CITY OF PORT WENTWORTH

CITY COUNCIL

SEPTEMBER 23, 2021

Via Zoom	Regular Meeting	12:00 AM

7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407

1. CALL MEETING TO ORDER

2. PRAYER AND PLEDGE OF ALLEGIANCE

3. ROLL CALL - CLERK OF COUNCIL

4. APPROVAL OF AGENDA

5. RECOGNITION OF SPECIAL GUESTS

6. ELECTIONS & APPOINTMENTS

7. ADOPTION OF MINUTES

A. City Council - Regular Meeting - Aug 26, 2021 6:30 PM

8. COMMUNICATIONS & PETITIONS

A. City Manager Updates

9. COMMITTEE REPORTS

A. Committee Reports

10. CONSENT AGENDA

A. Intergovernmental Agreement between Chatham County and the City of Port Wentworth for 911 Dispatch

11. UNFINISHED BUSINESS

12. NEW BUSINESS

A. Site Plan Review Application (General) 7-0907-01-003 Novare Revision

- Public Hearing
- Action

B. Site Plan Review Application (General) 7-0906-04-091 Cottages at Rice Hope

- Public Hearing
- Action

C. Site Plan Review Application (General) Lakeside Phases 20-30

- Public Hearing
- Action

D. Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS

- Public Hearing
- Action

E. Subdivision Application Parkside Ph B & C Prelimary Plat

- Public Hearing
- Action

F. Subdivision Application Parcel 3, Former Broadman Tract Final Plat

- Public Hearing
- Action

13. RESOLUTIONS/ORDINANCES/PROCLAMATIONS

A. Update to City Ordinance Sec. 13-7. - Stop intersections

B. Zoning Map Amendment 7-0906-01-012 Exley Hwy 21

- Public Hearing
- Action

C. Zoning Map Amendment 7-0035-01-010 HWY 21 Truck Yard

- Public Hearing
- Action

14. EXECUTIVE SESSION

15. PUBLIC COMMENTS - REGISTERED SPEAKERS

16. ADJOURNMENT

CITY OF PORT WENTWORTH

CITY COUNCIL

AUGUST 26, 2021

Via Zoom | **Regular Meeting** | **6:30 PM**

7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407

1. CALL MEETING TO ORDER

Mayor Gary Norton called the meeting to order.

2. PRAYER AND PLEDGE OF ALLEGIANCE

Rev. Paul Mongin, Pastor of First Baptist Church of Port Wentworth, led in Prayer and Mayor Norton led in the Pledge of Allegiance.

3. ROLL CALL - CLERK OF COUNCIL

Attendee Name	Title	Status	Arrived
Gary Norton	Mayor	Remote	
Linda Smith	Mayor Pro Tem	Remote	
Mark Stephens	Council Member	Remote	
Lynwood Griner	Council Member	Remote	
Glenn Jones	Council Member	Remote	
Thomas Barbee	Council Member	Remote	
James L. Coursey	City Attorney	Remote	
Edwin L. Booth	City Manager	Remote	
Shanta Scarboro	Clerk of Council	Remote	
Tomi Rikkinen	City Accountant	Remote	
Brian Harvey	Director of Development Services	Remote	
Lance Moore	Chief of Fire Operations	Remote	
Yolanda Irizarry	Director of Human Resources	Remote	
Tiffany Lancaster	Director of Leisure Services	Remote	
Matt Libby	Chief of Police	Remote	

4. APPROVAL OF AGENDA

Council Member Lynwood Griner made a motion to approve the agenda. Seconded by Mayor Pro Tem Linda Smith. Vote was unanimous.

5. RECOGNITION OF SPECIAL GUESTS

There were none to report.

6. ELECTIONS & APPOINTMENTS

A. Appointment of District 1 City Council Seat

Council Member Lynwood Griner made a motion to not seat anyone as District 1 Council Member and wait for a clear winner to be declared during the upcoming November 2, 2021 election. Seconded by Mayor Pro Tem Linda Smith. Vote was unanimous.

7. ADOPTION OF MINUTES

A. City Council - Regular Meeting - Jul 22, 2021 6:30 PM

Minutes Acceptance: Minutes of Aug 26, 2021 6:30 PM (Adoption of Minutes)

James L. Coursey, Jr., City Attorney, stated the following typos and changes that need to be made to the July 22, 2021 regular City Council minutes:

P 27. 8 A (3) word change: should be “Effluent”, not “affluent”

p. 27, 8 A (7) word change: should be “emergency” rather than “emergent”

P. 28, 12 B: word change??? “Mr. Pouncey laid out the following six (6) “untruths” ???? Is that what he said ? Or did he mean “Mr. Pouncey laid out a response to the alleged untruths “???

p. 29, middle of page: Did Griner say “masonry” or something else?

Clerk of Council, Shanta Scarboro, stated that she will review the stated typos and changes and make the necessary corrections.

Council Member Mark Stephens made a motion to approve the minutes with the corrections being made to the stated typos and changes for the July 22, 2021 regular City Council minutes. Seconded by Council Member Lynwood Griner. Vote was unanimous.

RESULT:	**ACCEPTED [UNANIMOUS]**
MOVER:	Mark Stephens, Council Member
SECONDER:	Lynwood Griner, Council Member
AYES:	Smith, Stephens, Griner, Jones, Barbee

B. City Council - Special Called Meeting - Aug 5, 2021 6:30 PM

RESULT:	**ACCEPTED [UNANIMOUS]**
MOVER:	Mark Stephens, Council Member
SECONDER:	Lynwood Griner, Council Member
AYES:	Smith, Stephens, Griner, Jones, Barbee

C. City Council - Special Called Meeting - Aug 11, 2021 4:00 PM

RESULT:	**ACCEPTED [UNANIMOUS]**
MOVER:	Mark Stephens, Council Member
SECONDER:	Lynwood Griner, Council Member
AYES:	Smith, Stephens, Griner, Jones, Barbee

8. COMMUNICATIONS & PETITIONS

A. US Census Bureau

City Manager, Edwin Booth, was present to update Mayor and Council on the following matters:

1. **Census** - According to the data published by the United States Census Bureau the City of Port Wentworth population has increased to just below 11,000 and Port Wentworth is the fastest growing city in all of the lowcountry. This is a positive measure as this will help the City receive more money from the Federal government.

Minutes Acceptance: Minutes of Aug 26, 2021 6:30 PM (Adoption of Minutes)

2. **Political signs** - It has been noticed by the State and Public Works Department that numerous signs are being placed in right-of-ways which interfere with grass cutting and is against the City's ordinance. The public is asked not to place signs in such areas. If the signs are found in a public right-of-way the sign will be removed and may be picked up from the Development Services Department.

3. **Press release** - Information has been released to the public that the City's sewer spills and boil water advisory are related incidences and they are not. The boil water notice was put out to the public as a requirement of the Department of Environmental Protection Division (EPD). A clarification was also made that the City's water tower only loss pressure in the tank, but that there was never a loss of actual water pressure. As a result, a press release will be sent out to explain this issue.

B. Non-Operational Equipment for Surplus

City Manager, Edwin Booth, was present to inform Mayor and Council of the equipment that was discovered behind the Public Works building, most of which is salvageable. Because of this, Mr. Booth requested of Council that the items be sold for scrap metal.

Questions and Answers:

Q1. Council Member Mark Stephens asked how did some of the equipment get into such disrepair? Councilman Stephens went on to further state that if the Ford Ranger and the Ford F150 were properly maintained they could still be operational today.

A1. Mr. Booth responded by stating that the disrepair is probably due to lack of maintenance and the fact that some of the equipment is very old.

Q2. The Mayor asked Matt Libby, Chief of Police Operations, if there is a maintenance contract in place for this equipment?

A2. Chief Libby responded to the Mayors question by stating that maintenance on vehicle equipment is usually done by each Department Head and that the Police Department uses a third-party vendor in Rincon, Georgia but does assist other departments as needed. Chief Libby also stated that there has been little to no maintenance done on the vehicles in the Public Works Department in the last few years.

Council Member Mark Stephens suggested the City complete maintenance as a holistic view rather than department-by-department.

Chief Libby replied to Councilman Stephens comment by stating that the Police Department can assist with moving in that direction if needed, but that the City also needs to look at maintaining smaller equipment as well. Chief Libby also went on to state that in the instance of the Fire Department, they use certain vendors who specialize in maintaining Fire vehicles, so one catch all may be a little difficult.

Lance Moore, Chief of Fire Operations, agreed with Chief Libby's comment that one catch all may be difficult because in the case of the Fire Department several different vendors are used to maintain their vehicles.

Q3. Council Member Mark Stephens asked City Manager Booth who would be responsible for maintaining the Public Works vehicles?

A3. Mr. Booth stated that since his arrival as City Manager he has met with Chief Libby to ask that he take a look at the Public Works vehicles to see what needs to be done. As for the other equipment, it has simply deteriorated over time and is no longer operational nor cost effective to clean up.

Q4. Council Member Lynwood Griner asked Mr. Booth if maintenance will be a part of the new contract being written by City Attorney Coursey for ClearWater?

A4. Mr. Booth responded, yes.

Minutes Acceptance: Minutes of Aug 26, 2021 6:30 PM (Adoption of Minutes)

Council Member Mark Stephens made a motion to approve the selling of the non-operational equipment for surplus. Seconded by Council Member Lynwood Griner. Vote was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Mark Stephens, Council Member
SECONDER:	Lynwood Griner, Council Member
AYES:	Smith, Stephens, Griner, Jones, Barbee

9. COMMITTEE REPORTS

A. Committee Reports

Council Member Lynwood Griner made a motion to approve the committee reports. Seconded by Mayor Pro Tem Linda Smith. Vote was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Lynwood Griner, Council Member
SECONDER:	Linda Smith, Mayor Pro Tem
AYES:	Smith, Stephens, Griner, Jones, Barbee

10. CONSENT AGENDA

There were none to report.

11. UNFINISHED BUSINESS

There were none to report.

12. NEW BUSINESS

A. Request for Proposal (RFP) - Chamber of Commerce for the City of Port Wentworth

Questions and Answers:

Q1. Council Member Mark Stephens asked that the title of agenda item 12A. be changed to reflect a Request for Proposal (RFP) for a Tourism Contract since the City already has a Chamber of Commerce.

A1. City Attorney James L. Coursey, Jr. responded by stating that the title should read a Request for Proposal (RFP) for a 501(c)6 Recipient of the Hotel Motel Excise Tax Funds.

Mayor Pro Tem Linda Smith made a motion to approve the Port Wentworth Tourism Bureau as the recipient of the Hotel Motel Excise Tax Funds. Seconded by Council Member Lynwood Griner.

However, the motion was interrupted by Council Member Mark Stephens who stated that it was said during the Special Called Meeting held on August 5, 2021 that Council would have an opportunity to ask questions regarding this matter during the regular August meeting.

The Mayor agreed and allowed Councilman Stephens to proceed to ask questions.

Questions and Answers Summary:

Discussion 1
Council Member Mark Stephens proceeded to ask several questions of the Port Wentworth Tourism Bureau.

Minutes Acceptance: Minutes of Aug 26, 2021 6:30 PM (Adoption of Minutes)

Avril Roy-Smith was present to address all questions and concerns on behalf of the Port Wentworth Tourism Bureau.

The questions asked by Councilman Stephens were related to whether or not the organization has ever contracted with a local government to provide tourism marketing, the office location, the educational background of the Board of Directors, and if they have ever done tourism marketing.

Councilman Stephens also inquired about how the Port Wentworth Tourism Bureau plans to market the City and how they went about identifying the target demographics.

Councilman Stephens also inquired about their knowledge of the current hotel motel rates and occupancy.

Councilman Stephens last set of questions for the Port Wentworth Tourism Bureau were linked to whether or not they gained permission from the Promised Land Farms to use there likeness in their presentation video and if they have hired an accountant and attorney with experience in tourism marketing.

Discussion 2
Council Member Mark Stephens proceeded to ask several questions of the Savannah Hispanic Chamber of Commerce.

Juan Halmely was present to address all questions and concerns on behalf of the Savannah Hispanic Chamber of Commerce.

Those questions were related to whether or not the organization has ever contracted with a local government to provide tourism marketing, what did their organization do during the pandemic to support local businesses, the current office location of their chamber, and the most recent income reported on their 1099 tax forms.

The line of questioning by Councilman Stephens was interrupted by Council Member Glenn Jones who stated with all due respect the questions being asked of Juan Halmely regarding his financials is out of order.

Discussion 3
Q1. Council Member Lynwood Griner asked Avril Roy-Smith how many times have you tried to become a Chamber for a City?

A1. Mrs. Smith responded by stating never, that this is her first time.

Councilman Griner responded to Mrs. Smiths statement by commenting that for this reason he understands why she would not have an accountant, or office location or other things in place. Councilman Griner also stated that her board consisting of local residents is a "breath of fresh air".

Q2. Council Member Griner asked Mrs. Smith if the Port Wentworth Tourism Bureau was awarded the contract would they be willing to submit their records to the City's auditor?

A2. Mrs. Smith replied "of course".

Q3. Council Member Griner asked Mrs. Smith if the City were to request the persons names listed on your bylaws, would you be willing to give that information to the City?

A3. Again Mrs. Smith replied "of course I would".

Discussion 4
Q1. Council Member Mark Stephens proceeded to inquire about a piece of documentation from the State of Georgia which spelled out that the Savannah Hispanic Chamber of Commerce was set to be administratively dissolved within the next couple of days and so

Minutes Acceptance: Minutes of Aug 26, 2021 6:30 PM (Adoption of Minutes)

Councilman Stephens questioned why the City was even considering them as a candidate to be awarded the contract if they cannot maintain their current organization?

A1. Mayor Norton responded by stating, "because they applied, that's the only reason".

Q2. Council Member Mark Stephens asked what is the amount of money being discussed to be awarded for the hotel motel fund?

A2. City Manager, Edwin Booth, responded by stating that the 2019-2020 amount is $320,000.00.

Councilman Stephens went on to state that in 2021 and because of the pandemic that may be closer to $400,000.00.

Q3. Attorney James L. Coursey, Jr. went on record to ask for clarification from City Manager Booth if the amount of the $320,000.00 is the total or net monies to the Chamber?

A3. City Manager, Edwin Booth, responded by stating that the amount is net monies.

Discussion 5

Ken Miller, Archeologist for the Port Wentworth Tourism Bureau and Board Member of the Mulberry Grove Project, shared with Mayor and Council his experiences related to tourism marketing and his plans to assist with promoting the history of the City.

Q1. LaRay Benton, representative of 135 Saussy Road, asked Alfonso Ribot would it not be a conflict of interest with him serving as the President and CEO of the Savannah Hispanic Chamber of Commerce and his organization being awarded the hotel motel contract per Georgia O.C.G.A. 45-10-22?

Q2. City Attorney Coursey asked Mr. Ribot if he or any family member still retains any interest in the Savannah Hispanic Chamber of Commerce?

A2. Mr. Ribot's response to Attorney Coursey's question was, "no sir".

Q3. City Attorney Coursey asked Councilman Stephens where is he getting his information from?

A3. Councilman Stephens replied that he has three (3) data points 1. Mr. Ribot's campaign materials which identified him as the head of the Savannah Hispanic Chamber of Commerce 2. an updated recently published article and 3. a letter from the Secretary of State declaring to administratively dissolve the organization.

City Attorney Coursey stated that sometimes it takes 2-3 months for changes to a document to reflect on the Secretary of State website.

Alfonso Ribot went on record to state that he is the register of the Savannah Hispanic Chamber of Commerce and other entities and that the information Councilman Stephens is referring to is not a suspension but a notice of resolution because of his resignation back in July 2021. In order to have the information changed the records would have to be updated by the new Board of Directors.

Council Member Glenn Jones stated that anyone can run for office. And in the case of Mr. Alfonso Ribot if the Savannah Hispanic Chamber of Commerce were awarded the hotel motel contract or Mr. Ribot is elected to the office of Council Member in November, either way he would have to resign from his position with the Chamber if he has not already done so.

Councilman Jones went on to further state that people do not need to "put the cart before the horse" and just let everything play out.

Minutes Acceptance: Minutes of Aug 26, 2021 6:30 PM (Adoption of Minutes)

Council Member Lynwood Griner stated that he understands everyone's concerns and asked if Council could wait until there is a motion on the floor to give the hotel motel contract to the Savannah Hispanic Chamber of Commerce before questions are asked.

Council proceeded with its original motion made by Mayor Pro Tem Linda Smith to approve the Port Wentworth Tourism Bureau as the recipient of the Hotel Motel Excise Tax Funds. Seconded by Council Member Lynwood Griner.

Vote results
Mayor Pro Tem Linda Smith - Yes/Aye
Council Member Mark Stephens - No/Nay
Council Member Lynwood Griner - Yes/Aye
Council Member Glenn Jones - Yes/AYe
Council Member Thomas Barbee - No/Nay

City Attorney Coursey stated for the record that Council's vote awarded the contract to the recipient of the 501(c)6 contract but that he will draft an agreement that will lay out the specifics to include the length of the contract.

RESULT:	**APPROVED [3 TO 2]**
MOVER:	Linda Smith, Mayor Pro Tem
SECONDER:	Lynwood Griner, Council Member
AYES:	Smith, Griner, Jones
NAYS:	Stephens, Barbee

B. Georgia Municipal Association (GMA) 401(a) Defined Contribution Plan

James L. Coursey, Jr., City Attorney, was present to answer any questions and concerns of Mayor and Council.

Mayor Pro Tem Linda Smith made a motion to approve the **Resolution** for the 401(a) Defined Contribution Plan. Seconded by Council Member Lynwood Griner. Vote was unanimous.

Mayor Pro Tem Linda Smith made a motion to approve the **Adoption Agreement** of the 401(a) Defined Contribution Plan. Seconded by Council Member Lynwood Griner. Vote was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Linda Smith, Mayor Pro Tem
SECONDER:	Lynwood Griner, Council Member
AYES:	Smith, Stephens, Griner, Jones, Barbee

C. Medical Director Memorandum of Understanding

Edwin Booth, City Manager, was present to answer any questions or concerns of Mayor and Council.

James L. Coursey, Jr., City Attorney, stated that he has reviewed the contract and only had one question; how was this person compensated? The answer to the question is, is that he is not paid.

Minutes Acceptance: Minutes of Aug 26, 2021 6:30 PM (Adoption of Minutes)

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Lynwood Griner, Council Member
SECONDER:	Linda Smith, Mayor Pro Tem
AYES:	Smith, Stephens, Griner, Jones, Barbee

D. Palmetto Fire Apparatus Maintenance Agreement Holdings, LLC

Lance Moore, Chief of Fire Operations, was present to answer any questions or concerns of Mayor and Council.

James L. Coursey, Jr., City Attorney, pointed out the following concerns related to the agreement:

1. paragraph 6 on page 2 - there area a number of sub-paragraphs that have no dollar figures associated with them. Do they need to be filled in or are they not applicable?

Chief Moore stated that they are not applicable and that those are handled on a case-by-case basis.

2. paragraph 18 on page 292 - the wording "laws of the State of South Carolina" should be changed to "laws of the State of Georgia".

Chief Moore stated that he will get this straightened out.

Council Member Glenn Jones made a motion to strike from the agreement items 6a., 6b., and 6c. and to substitute "laws of the State of South Carolina" to read "laws of the State of Georgia". Seconded by Council Member Lynwood Griner. Vote was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Glenn Jones, Council Member
SECONDER:	Lynwood Griner, Council Member
AYES:	Smith, Stephens, Griner, Jones, Barbee

E. Contract Award for the Antrim Road Roadway Improvements Project

Edwin Booth, City Manager, was present to answer any questions or concerns of Mayor and Council.

James L. Coursey, Jr., City Attorney, noted that the contract agreement has bonding requirements and the contract performance bond has not been executed by the surety.

Trent Long, T.R. Long Engineering, P.C., stated that on both contracts for Red Robin Court and Antrim Road that they have received from the contractor the fully executed performance bond and payment bond on both contracts and have also received the appropriate insurance certificates for each. The insurances are being checked to be certain signatures are in the correct place.

Mayor Pro Tem Linda Smith made a motion to approve the contract and give Mayor Norton the authority to sign the contract. Seconded by Council Member Lynwood Griner. Vote was unanimous.

Minutes Acceptance: Minutes of Aug 26, 2021 6:30 PM (Adoption of Minutes)

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Linda Smith, Mayor Pro Tem
SECONDER:	Lynwood Griner, Council Member
AYES:	Smith, Stephens, Griner, Jones, Barbee

F. Contract Award for the Red Robin Court Roadway Improvements Project

Edwin Booth, City Manager, was present to answer any questions or concerns of Mayor and Council.

James L. Coursey, Jr., City Attorney, noted that the contract agreement has bonding requirements and the contract performance bond has not been executed by the surety.

Council Member Mark Stephens made a motion to approve the contract and to give Mayor Norton the authority to sign the contract. Seconded by Council Member Lynwood Griner. Vote was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Mark Stephens, Council Member
SECONDER:	Lynwood Griner, Council Member
AYES:	Smith, Stephens, Griner, Jones, Barbee

G. Zoning Map Amendment 7-0906-01-028 Exley Highway 21 2nd Reading

Shanta Scarboro, Clerk of Council, asked City Attorney James L. Coursey, Jr. if he would read into the hearing of the public the requirement of the State of Georgia for Public Hearings, whether or not one (1) or two (2) public hearings are required and why items 12G. and 12H. will not have a public hearing.

City Attorney proceeded to state that the City's charter under Section 2.17 requires that an ordinance not be adopted the same day, that it has to have two (2) readings before a vote may be taken.

Mr. Coursey further stated that it has been the practice of this City and most other municipalities in our general area to conduct a public hearing at the time of the first reading. State law says that a hearing is required, a single hearing. Law does not state that a double hearing has to be made.

Article 15.5 of the City's charter mirrors state language at 36-66-4.

Therefore, one (1) public hearing is required for ordinances not two (2) and that is why a public hearing is not required for agenda items 12G. and 12H.

Question and Answer
Q1. Council Member Mark Stephens asked the City Attorney if he could get an opinion as to the City's jurisdiction surrounding the Varnedoe Wiggins Tract.

A1. City Attorney Coursey responded by stating that "it is my opinion that tonight after the second reading the project is ripe for vote by City Council".

Council Member Glenn Jones made a motion to approve. Seconded by Council Member Lynwood Griner.

Vote results
Mayor Pro Tem Linda Smith - Yes/Aye
Council Member Mark Stephens - No/Nay
Council Member Lynwood Griner - Yes/Aye
Council Member Glenn Jones - Yes/AYe

Minutes Acceptance: Minutes of Aug 26, 2021 6:30 PM (Adoption of Minutes)

Council Member Thomas Barbee - Yes/Aye

RESULT:	**APPROVED [4 TO 1]**
MOVER:	Glenn Jones, Council Member
SECONDER:	Lynwood Griner, Council Member
AYES:	Smith, Griner, Jones, Barbee
NAYS:	Stephens

H. Zoning Map Amendment VARNEDOE-WIGGINS TRACT PHASE II HIGHWAY 21 2nd Reading

RESULT:	**APPROVED [4 TO 1]**
MOVER:	Lynwood Griner, Council Member
SECONDER:	Glenn Jones, Council Member
AYES:	Smith, Griner, Jones, Barbee
NAYS:	Stephens

13. RESOLUTIONS/ORDINANCES/PROCLAMATIONS

There were none to report.

14. EXECUTIVE SESSION

There was none to report.

15. PUBLIC COMMENTS - REGISTERED SPEAKERS

LaRay Benton, representing 135 Saussy Road, stated for the record that the City has been served and that the City does not have jurisdiction of the Varnedoe Wiggins Tract because this matter is before the superior court. This is a legal matter and a determination will be made by the judge. Therefore, the City does not have legal authority to make a ruling on the Varnedoe Wiggins Tract.

Trisha Growe Boyett, representing the Port Wentworth Chamber of Commerce Tourism and Visitors Bureau, wanted to let Mayor and Council know that she was on the line to answer any questions they may have. Mrs. Boyett went on to state that she is not currently staffed by the Chamber but does still serve as a volunteer. Although disappointed by the decision made by Council to not award the contract to the Port Wentworth Chamber of Commerce, it is respected. Mrs. Boyett also shared that the Port Wentworth Chamber is still present and will not be going any where and are looking forward to their next event which is the 10th Candidates Forum. Those persons running for office have until October 10, 2021 to register for the event.

16. ADJOURNMENT

There being no further discussion, Council Member Lynwood Griner made a motion to adjourn. Seconded by Mayor Pro Tem Linda Smith. Vote was unanimous.

_____

Mayor Gary Norton

The foregoing minutes are true and correct and approved by me on this _____ day of _____, 2021.

Minutes Acceptance: Minutes of Aug 26, 2021 6:30 PM (Adoption of Minutes)

ATTEST:

_____

Shanta M. Scarboro, Clerk of Council

Minutes Acceptance: Minutes of Aug 26, 2021 6:30 PM (Adoption of Minutes)

City Council
7224 GA Highway 21
Port Wentworth, GA 31407

SCHEDULED

Meeting: 09/23/21 12:00 AM
Department: City Administrator
Category: Report
Prepared By: Shanta Scarboro
Department Head: Edwin L. Booth

AGENDA ITEM (ID # 2515)

DOC ID: 2515

City Manager Updates

Issue/Item: City Manager Updates.

City Manager Edwin Booth will discuss a few updates related to the business affairs of the City.

City Council
7224 GA Highway 21
Port Wentworth, GA 31407

SCHEDULED

Meeting: 09/23/21 12:00 AM
Department: All
Category: Report
Prepared By: Shanta Scarboro
Department Head: Brian Harvey

AGENDA ITEM (ID # 2505)

DOC ID: 2505

Committee Reports

ATTACHMENTS:

- Development Services Monthly Report - August 2021 (DOCX)
- Fire Department Monhtly Report - August 2021 (PDF)
- Fire Department Monthly Training Report - August 2021 (PDF)
- Leisure Services Department Montlhy Report - September 2021 (PDF)
- Police Department Monthly Report - September 2021 (PDF)

DEVELOPMENT SERVICES MONTHLY REPORT / AUGUST 2021

INSPECTIONS / P&Z

Building Permits Issued: 65
Building Estimated Cost: $9,407,121.00
Permit Fees Paid: $413,721.39
Inspections Completed: 298
Plan Reviews Completed: 65

Attachment: Development Services Monthly Report - August 2021 (2505 : Committee Reports)

To: Mayor Norton and City Council

From: Chief Lance Moore

Date: September 15, 2021

Ref: Committee Report

Sir,

The following is a summary of the incident responses and activity for the Fire Department between the dates of August 1, 2021 and August 31, 2021.

0 building fires

2 vehicle fires

128 emergency medical calls

19 motor vehicle collisions

0 carbon monoxide investigation

6 public service

6 dispatched and cancelled in route.

12 fire alarms

0 open area fires

1 hazardous material related.

0 elevator rescues

1 power line related

0 extrication from industrial equipment

Total: 175

- Georgia Fire Standards and Training Council completed our department's annual audit. We achieved 100 percent compliant for the audit.

Attachment: Fire Department Monhtly Report - August 2021 (2505 : Committee Reports)

Port Wentworth Fire Department

317 Cantyre Street
Port Wentworth, Georgia 31407

Lance Moore
Fire Chief

Telephone: (912) 210-7707
Office: (912) 401-0475

Monthly Fire Training Report

August. 1st, 2021 – August. 31st, 2021

Chief Moore,

This month, the Training division were able to train and acquire **208 hours** of focused training for our department. the Training division focused on the following:

- **12 hours**: Rapid Intervention training. Rapid intervention is the only line of defense for Firefighters who have experienced an emergency inside a structure fire.
- We have been hosting an in house *NPQ Apparatus Operator* class. We have an initial testing date for October 9th.
- **32 hours:** Driver training, Apparatus inspection, and online classroom instruction for Apparatus Operator.
- **8 hours**: Updating records for state certifications.
- **24 hours**: Class F drivers training for hours logged to obtain certification.
- **114 hours:** Target Solutions, our online Training platform was performed by all members to limit group training in the wake of the growing COVID cases.
- **12 hours:** COVID response procedures and implementation of the current COVID protocols were trained on.
- **6 Hours:** EMS recertification hours were provided to all departmental member through Target Solutions and hands on skills.

Lt. Ronald Hendry
Training Officer

Attachment: Fire Department Monthly Training Report - August 2021 (2505 : Committee Reports)

September 2021 LEISURE SERVCIES DEPARTMENT REPORT

9/14/2021 Leisure Service Programs and Events for September and October

- Outdoor Movie Night October 22nd.
- Tumbling classes are September 4th – 30th and October 2-25th. No Tumbling November-January.
- Girls Scouts in community House August - December.
- Adult Volleyball on Friday's and Monday's in September-December.
- Football season Games start September 20th with a RAMA 16-18. (8U team and 10U team).
- Soccer Games start September 6th), we have four micro soccer teams, one 9U team, one 14U team. (14U on h old first week of September due to COVID-19)
- Cheerleading we have one team of 15 kids.
- Basketball registration starts September 15th – December 15th.
- Pickle Ball for Seniors October 5, 8, 26th and 28th at 10:30am in the P.B. Edwards Jr. Gym.

Ed Young Senior Center

- Our weekly attendance for ***August*** is an average of 23 people a day, in ***July*** it was an average of 16 people a day and in ***June*** it was an average of 12 people a day so each month we have increased since our closing due to COVID-19 in March of 2020.
- Daily in person lunch will be served at 12:00 in the dining hall. Must pre-register the day before. Daily current events at 9:30am
- Continue the meals on wheels for Seniors that cannot come out by driving to pick up meals the meals will be taken to their house.
- Daily exercise 10a.m
- September 7th Labor Day Learning, September 14th Travel Club, September 28th Travel Club
- September is World Alzheimer Month and Day 9/21, Jill from Edel Caregiver Institute 9/3, Terrie Collins from Hospice Savannah 9/10 and Lizzie the comfort Dog 9/23.

Ed Young Senior Center weekly numbers are an average for the weeks in August

August 2-6 Meals ordered (19) Meals served (19) Clients attended (19)
August 9-13 Meals ordered (22) Meals served (22) Clients attended (22)
August 16-20 Meals ordered (23) Meals served (23) Clients attended (23)
August 23-27 Meals ordered (26) Meals served (26) Clients attended (26)
August 30-31 Meals ordered (23) Meals served (23) Clients attended (23)

Administrative and Operations

- Continue to work on Impact Fees Study Data Needs.
- Work with committee on creating CAA/SGFL game schedules completed and passed out to parents.
- Interviewing applications for Full time MNT position.
- Having Trucks re-painted and new decals installed.
- Starting the process of creating a competitive gymnastics competition program.
- Continue to create, update and import all upcoming programs into Tyler Parks and Rec online system.
- Complete Bi-Weekly payroll.

Attachment: Leisure Services Department Monthly Report - September 2021 (2505 : Committee Reports)

- Continue to complete refunds, transfers of daily payments of programs and rentals monthly.
- Create ongoing Leisure Services employee bi-weekly work schedule.
- Keep Leisure Services Facebook page and City web page up to date on social media.
- Continue monitoring daily deposits and credit card import/export for all sports and rentals through our payment portal and Tyler Parks and Rec program.
- Host meeting and create CAA/South Ga youth Football League Schedule in September.
- Continue to manage the cash and receivables from our Tyler Parks and Rec system. Daily deposits.
- Continue to manage team in maintaining cleanliness of all Leisure Services Departments facilities.
- Department reports due September for Council meeting September23rd.
- Reconcile Monthly July P-card Statement and turn in to accounts payable by August.

Mobley Park

- Have electric Pole straighten out and add Pick nick tables and shade on slab.
- Getting portable score board ready for football games and concessions stand ready for sales.
- Have new Mobley Park sign brick work completed.
- September 3rd start the building brick stand for Mobley Park Sign for entrance to park.
- Line football field for First Games the week of September 20th.
- Continue to weed-eat all around building and fences.
- Disinfect weekly all playgrounds, benches, pic-nick tables with pressure washer at all parks, concession stands and pavilions. Keep parking lot at Mobley Park cut and clean.
- Take trash cans in and out of park weekly for pick up, Weekly Clean bathrooms and kill ants on all fields.
- Keep parking lot clean and weed eat.
- Have Shed moved from Community house to Mobley park and old shed moved from Mobley Park

Armadale Walking Path

- Spray ant spray on ant beds.
- Continue to cut grass, weed-eat and edge walking path.
- Consistently change out doggie station.

Festival Site/Soccer Fields and Tommy Thomas Pavilion

- Line for Fall soccer practices and Micro soccer games in green fenced in area.
- Add signs that say stay off fence. Add sign that say's Festival sit and soccer fields 317 Cantyre street.
- Continue gathering quotes for new bathrooms and concessions.
- Change out dog trash stations and add new dog waste bags. Cut grass, weed eat and edge park weekly.

Houlihan Boat Landing

- Add new shade to boat landing.
- Cut and weed eat boat ramp area and retention ponds.
- Update Kiosk at boat landing. Roll up water hoses bi weekly and clean up trash in parking lot bi weekly.

Houston Church

- Get a letter of occupancy and Fire inspection.
- Cut and weed-eat Houston Church weekly.
- Clean, dust and mop church monthly.

Warren Drive Playground / Park

- Add new benches and pick nick tables with shade.

Attachment: Leisure Services Department Monthly Report - September 2021 (2505 : Committee Reports)

- Continue to disinfect playground area bi weekly. Continue to cut grass, weed eat, edge weekly. Cleanou doggie station.

Della Steel Park

- Disinfect playground area, picnic tables and pavilion area.
- Clean parking lot and pull trash cans to front of park.
- Cleanout doggie station.

P.B. Edwards Jr. Gym

- Have tumbling equipment set up on Friday's and Saturday's.
- Have gym ready for weekend rentals.
- Setting up volleyball net on Friday's.
- Disinfect gym after each daily use.
- Re-stripe handy-cap parking spaces in September/October on gym side.
- Continued to buff and clean gym floor as needed.
- Cut, weed-eat and edge around gym and annex building weekly.

Community House

- Church Rental on Sunday's until December.
- Continue to manage Leisure services team in cutting, weed eating, edging and blowing grass and mainta the gym/annex/senior center/warren drive park/ Dela Steel Park/Houston Church and Community Hous
- Continue to weekly clean bathrooms, kitchen, main area.
- Have community house painted on inside in September.

Fountain

- Trim bushes, cut grass, pull weeds at fountain every other week.
- Refill fountain with water when it drops weekly.

Annex Building

- Gathering quotes to tear out old windows and put up block or sheet rock and make into storage unit for City usage.
- Having all three entrance doors replaced and secured.
- Keep building outside neat and clean.

Attachment: Leisure Services Department Monthly Report - September 2021 (2505 : Committee Reports)

To: Mayor Norton
From: Chief Libby
Date: September 16, 2021
Ref: Committee report
Sir,

Below is summary of the all the department's activity for the period of **August 19, 2021, through September 15, 2021.** The summary will provide Council the total number of calls for service police units responded to as well as citations issued.

Police:

Since **August 19, 2021,** the police department has issued **1347 citations**. Officers conducted **1449** traffic stops. The department has made **85** arrests. **18** DUI cases were made along with **27** cases for possession of controlled substance and drug objects. The department was **3203** issued case report numbers for service calls. The department conducted **1296** residential and business checks. The department conducted **84** suspicious persons / vehicles stop. The department has responded to **103 accidents**. The department responded to **17** EMS calls. The department has taking **406** incident reports. The department has also conducted **99** combined walking patrols of both schools the Renasant Bank and other businesses.

Officers have attended **93** hours of training this month.

Attachment: Police Department Monthly Report - September 2021 (2505 : Committee Reports)

POLICE CALLS DISPATCHED
BY DAY OF THE MONTH
BY AGENCY

CHATHAM 911 COMMUNICATIONS SERVICES

STARTING DATE: 08/01/2021
ENDING DATE: 08/31/2021

	BL	CC	GC	PL	PW	SP	TB	TOTAL
08/01/2021	10	237	44	55	105	641	5	1,097
08/02/2021	8	347	42	81	100	805	9	1,392
08/03/2021	20	324	41	65	121	770	10	1,351
08/04/2021	36	260	49	78	128	905	7	1,463
08/05/2021	4	185	38	50	90	854	8	1,229
08/06/2021	30	271	62	79	100	874	10	1,426
08/07/2021	38	364	44	138	114	656	15	1,369
08/08/2021	36	396	52	70	82	673	10	1,319
08/09/2021	17	218	42	102	122	890	3	1,394
08/10/2021	13	187	66	91	99	823	7	1,286
08/11/2021	27	291	70	41	95	921	9	1,454
08/12/2021	8	378	42	80	99	841	10	1,458
08/13/2021	36	313	74	86	126	773	12	1,420
08/14/2021	32	228	65	71	77	770	9	1,252
08/15/2021	7	191	47	68	54	636	4	1,007
08/16/2021	4	290	51	49	84	863	8	1,349
08/17/2021	29	380	45	56	120	891	13	1,534
08/18/2021	20	298	63	124	114	756	5	1,380
08/19/2021	7	227	50	99	91	880	12	1,366
08/20/2021	5	328	56	65	135	968	11	1,568
08/21/2021	7	311	50	72	140	854	12	1,446
08/22/2021	7	322	47	57	169	814	8	1,424
08/23/2021	2	298	51	43	133	701	13	1,241
08/24/2021	11	233	61	61	81	784	12	1,243
08/25/2021	8	413	47	57	126	904	10	1,565
08/26/2021	11	350	49	62	113	868	12	1,465
08/27/2021	13	285	55	64	92	860	9	1,378
08/28/2021	6	183	61	99	103	725	6	1,183
08/29/2021	6	196	71	57	66	650	6	1,052
08/30/2021	4	376	59	70	143	820	2	1,474
08/31/2021	17	548	61	43	110	870	9	1,658
TOTAL	479	9,228	1,655	2,233	3,332	25,040	276	42,243

**NOTE: Excludes calls where Animal Services was primary responder*

Attachment: Police Department Monthly Report - September 2021 (2505 : Committee Reports)

Code Violations

	August 16 -September 16 2021	
18 Warren Dr	Grass	Open
42 Warren Dr	Grass	Open
106 Miller Park Circle	Rubbish	Complete
312 Aberfeldy	Trash	Open
6 Ponderosa	Grass	Open
Dollar General	Detention pond	Open
Rice Creek	Vehicles	Open
102 Turnberry	grass	Open
304 Birkenhead	trash Subpoena to court	Open
312 Aberfeldy	Trash	Open
111 Antrim	Grass	Open
9 Treadway	Furniture	Open
313 Aberfeldy	Grass	Open
307 Aberfeldy	Grass	Open
Bonny Bridge	Field next church	Complete
46 Tiller Way	Grass	Open
316 Clifton	Grass	Open

CRASH LOCATION REPORT

For Crashes occurring between 8/19/2021 and 9/15/2021

REPORT GENERATED ON: 9/16/2021 2:49:54 PM

Port Wentworth PD

ACCIDENT#	ROAD OF OCCURRENCE/LOCATION	AT INTERSECTION WITH	ACCIDENT DATE	TIME
210824042	306 SOUTH COASTAL HIGHWAY		8/23/2021	08:00
210913062	6232 STATE ROUTE 21		9/13/2021	08:30
210828085	BENTON BLVD	HWY 30	8/28/2021	17:40
210825042	BONNY BRIDGE	SR 21	8/25/2021	08:58
210823078	BOURNE AVE	SR 21	8/23/2021	15:45
210828066	COOK ST		8/28/2021	08:00
210903032	GA 21		9/3/2021	05:55
210903078	GRANGE ROAD		9/3/2021	16:00
210913099	GULFSTREAM RD	S.R. 21	9/13/2021	16:34
210903039	HENDLEY RD	SR 21	9/3/2021	09:05
210913036	HENDLEY RD	SR 21	9/13/2021	05:33
210913058	HENDLEY ROAD	GA SR 21	9/13/2021	08:37
210914021	HENDLEY ROAD	GA SR-21	9/14/2021	06:26
210829039	HIGHWAY 21		8/29/2021	12:00
210907035	HODGEVILLE RD	HWY 30	9/7/2021	06:40
210906027	HWY 21	HENDLEY RD	9/6/2021	08:29
210903097	HWY 30	MAGELLAN BLVD	9/3/2021	19:16
210906017	I 95 NB		9/6/2021	06:00
210823082	INTERSTATE 95		8/23/2021	17:57
210823001	INTERSTATE 95 SOUTH BOUND @		8/23/2021	12:00
210902030	JIMMY DELOACH		9/2/2021	06:24
210827072	JIMMY DELOACH PARKWAY		8/27/2021	16:15
210820102	LAKESIDE BOULEVARD	PARKSIDE BOULEVARD	8/20/2021	18:00
210907065	MARKET BLVD		9/7/2021	16:45
210821118	N COASTAL HIGHWAY	HOULIHAN BOAT RAMP	8/21/2021	19:00
210822122	NEWPORT BLVD	TRANSOM RD	8/22/2021	15:45
210830098	NORTHBOUND SR-21	TRAVELERS WAY	8/30/2021	16:17
210907049	OLD RICHMOND RD	COLDBROOK STATION RD	9/7/2021	12:08
210903059	RICE CREEK RD		9/3/2021	13:33
210910047	S.R 21 SB		9/10/2021	16:52
210909105	S.R. 21	COLDBROOK STATION RD	9/9/2021	16:44
210907067	S.R. 21 NB	TRAVLERS WAY	9/7/2021	17:05
210904073	S.R. 30		9/4/2021	12:22
210909041	SOUTHBOUND SR-21		9/9/2021	08:10
210831061	SR 21		8/31/2021	14:00
210831081	SR 21		8/31/2021	18:35
210908045	SR 21		9/8/2021	13:54
210826063	SR 21		8/26/2021	16:20
210827062	SR 21	CABOT STREET	8/27/2021	15:20
210829036	SR 21	HWY 30	8/29/2021	10:45
210901033	SR 21	I-95	9/1/2021	07:27
210903034	SR 21	I-95	9/3/2021	07:30
210825036	SR 21	INTERSTATE 95	8/25/2021	08:09

Attachment: Police Department Monthly Report - September 2021 (2505 : Committee Reports)

CRASH LOCATION REPORT

For Crashes occurring between 8/19/2021 and 9/15/2021

REPORT GENERATED ON: 9/16/2021 2:49:54 PM

Port Wentworth PD

ACCIDENT#	ROAD OF OCCURRENCE/LOCATION	AT INTERSECTION WITH	ACCIDENT DATE	TIME
210907018	SR 21	INTERSTATE 95	9/7/2021	02:30
210827034	SR 21	RICEMILL ROAD	8/27/2021	06:56
210910018	SR 21	SCOTT ST	9/10/2021	06:17
210911056	SR 21	SR 30	9/11/2021	05:29
210831051	SR 21	SR 405	8/31/2021	10:03
210907050	SR 21 SB		9/7/2021	12:34
210909125	SR 25	ARMADALE ROAD	9/9/2021	22:40
210911109	SR- 21	INTERSTATE 95	9/12/2021	22:45
210908044	SR-21		9/8/2021	06:37
210908055	SR-21		9/8/2021	09:13
210910017	SR-21		9/10/2021	05:40
210913055	SR-21		9/13/2021	08:33
210914022	SR-21		9/14/2021	06:45
210914026	SR-21		9/14/2021	07:30
210819082	SR-21	GULFSTREAM RD	8/19/2021	18:04
210824037	SR-21	I-95	8/24/2021	11:15
210906070	SR-21	I-95	9/6/2021	14:55
210909109	SR-21	TRAVELERS WAY	9/9/2021	17:51
210908081	STATE ROUTE 21	INTERSTATE 21	9/8/2021	12:45
210908113	STATE ROUTE 21	INTERSTATE 95	9/8/2021	15:40
210822134	STATE ROUTE 21	TRAVELERS WAY	8/22/2021	18:26
210901122	TURNBERRY ST		9/1/2021	22:10

TOTAL CRASHES ON REPORT 65

Attachment: Police Department Monthly Report - September 2021 (2505 : Committee Reports)

PORT WENTWORTH PD CRASH ANALYSIS REPORT 2021

Total Number of Crashes:	**65**
Accidents with Injuries:	**4**
Accidents with Fatalities:	**0**

FREQUENCY

Monday:	**13**
Tuesday:	**13**
Wednesday:	**9**
Thursday:	**7**
Friday:	**13**
Saturday:	**5**
Sunday:	**5**

00:01 - 08:00 Hours:	**18**
08:01 - 16:00 Hours:	**27**
16:01 - 24:00 Hours:	**20**

00:01 - 06:00 Hours:	**6**
06:01 - 12:00 Hours:	**26**
12:01 - 18:00 Hours:	**25**
18:01 - 24:00 Hours:	**8**

Top Contributing Factors (top 4 listed)

Attachment: Police Department Monthly Report - September 2021 (2505 : Committee Reports)

Citation Violations reported between 8/19/2021 and 9/15/2021

Violation:	Code:	Total:
IMPROPERLY PARKING TRUCKS IN STREET	13-2	1
TRUCK ON A CITY STREET	13-5	2
OBSTRUCTION/HINDER LAW ENFORCEMENT OFFICER-MISD	16-10-24A	1
POSSESSION OF FIREARM OR KNIFE DURING COMMISSION OF OR ATTEMPT TO COMMIT A CRIME	16-11-106	1
CARRYING AND POSSESSION OF A CONCEALED WEAPON	16-11-126	1
POSSESSION OF FIREARM BY CONVICTED FELON OR FIRST OFFENDER	16-11-131	2
LOITERING OR PROWLING	16-11-36	5
TERRORISTIC THREATS AND ACTS	16-11-37	1
POSSESSION MARIJUANA- LESS THAN 1 OZ.	16-13-2(B)	7
POSSESSION OF CONTROLLED SUBSTANCE	16-13-30	3
POSSESSION OF MARIJUANA MORE THAN 1 OZ	16-13-30J	3
POSSESSION AND USE OF DRUG RELATED OBJECTS	16-13-32.2	13
DRUGS NOT IN ORIGINAL CONTAINER - MISDEMEANOR	16-13-75	1
AGGRAVATED ASSAULT AGAINST A PEACE OFFICER	16-5-21 (A)	1
AGGRAVATED ASSAULT-STRANGULATION	16-5-21(B)(3)	1
BATTERY	16-5-23.1	2
RECKLESS CONDUCT	16-5-60(B)	1
CRUELTY TO CHILDREN 3RD DEGREE OR 3RD SUBSEQUENT OFFENSE	16-5-70D	3
BURGLARY	16-7-1	1
CRIMINAL TRESPASS	16-7-21	1
AIR LEAK	40-1-8(H) 393.45(D)	3
TAG/ REGISTRATION REQUIREMENTS	40-2-20	7
OBSCURING TAG FRAME OR TINTED TAG COVERS PROHIBITED	40-2-41	4
ACQUIRING LICENSE PLATE FOR PURPOSE OF CONCEALING IDENTIFICATION OF MOTOR VEHICLE	40-2-5	1
TAGS: ALTERATION OR IMPROPERLY TRANSFERRED	40-2-6	1
USE OF LICENSE PLATE WITH INTENT TO CONCEAL	40-2-7	1
EXPIRED REGISTRATION	40-2-8	67
NO TAG	40-2-8	1
DRIVING WHILE LICENSE SUSPENDED OR REVOKED-MISDEMEANOR	40-5-121	49
PERMITTING UNLICENSED DRIVER TO DRIVE	40-5-122	1
DRIVING WITHOUT A VALID LICENSE- MISDEMEANOR	40-5-20	64
EXPIRED DRIVER'S LICENSE 0-1 MONTH	40-5-20(A)	3
EXPIRED DRIVER'S LICENSE 2-5 MONTHS	40-5-20(B)	4
EXPIRED DRIVER'S LICENSE6 MONTHS OR MORE	40-5-20C	3
WRONG CLASS OF LICENSE	40-5-23	1
CLASS CP LICENSE (INSTRUCTIONAL PERMIT)	40-5-24	2
LICENSE TO BE EXHIBITED ON DEMAND	40-5-29B	18
IMPROPER NAME/ADDRESS ON LICENSE	40-5-33	5
NO INSURANCE	40-6-10	34
IMPROPER LEFT OR RIGHT TURN	40-6-120	8

© Synergistic Software, Inc. - http://www.SynergisticsInc.net

Attachment: Police Department Monthly Report - September 2021 (2505 : Committee Reports)

IMPROPER U-TURN	40-6-121	45
FAILURE TO SIGNAL WHEN TURNING OR CHANGING LANES	40-6-123	7
FAILURE TO SIGNAL	40-6-123(A)	1
IMPROPERLY STOPPED IN ROADWAY	40-6-123C	4
STOPPING ON RAILROAD TRACKS	40-6-140€	1
SUSPENDED REGISTRATION	40-6-15	54
APPROACHING AUTHORIZED EMERGENCY VEHICLE	40-6-16(B)	24
APPROACHING AUTHORIZED EMERGENCY VEHICLE	40-6-161(B)	1
IMPROPER TAG	40-6-166	2
TOO FAST FOR CONDITIONS	40-6-180	23
SPEEDING IN EXCESS OF MAXIMUM LIMITS	40-6-181	400
SPEED LIMITS ON A BRIDGE	40-6-185	2
RACING ON HIGHWAYS OR STREETS	40-6-186	2
SPEEDING IN CONSTRUCTION ZONE	40-6-188	1
FAILURE TO OBEY TRAFFIC CONTROL DEVICE	40-6-20	38
PARKING REQUIREMENT	40-6-200	3
LEAVING VEHICLE UNATTENDED	40-6-201	3
STOPPING, STANDING, OR PARKING OUTSIDE OF BUSINESS OR RESIDENTIAL DISTRICTS	40-6-202	13
IMPROPER STOPPING	40-6-203	41
PARKING IN ROADWAY	40-6-203	4
IMPROPER BACKING	40-6-240	1
FAILURE TO EXERCISE DUE CARE	40-6-241(B)	2
UNLAWFUL USE OF WIRELESS DEVICE	40-6-241(C)	21
UNSECURED LOAD	40-6-248.1	1
LITTERING HIGHWAY	40-6-249	3
OPEN CONTAINER OF ALCOHOL IN MOTOR VEHICLE	40-6-253	2
HIT AND RUN; DUTY OF DRIVER TO STOP AT OR RETURN TO SCENE OF ACCIDENT	40-6-270	1
FAILURE TO NOTIFY OWNER UPON STRIKING A FIXED OBJECT	40-6-272	1
RECKLESS DRIVING	40-6-390	4
DUI - REFUSAL	40-6-391	2
DUI/ALCOHOL/LESS SAFE	40-6-391A1	6
DUI/DRUGS/LESS SAFE	40-6-391A2	2
DUI - COMBINATION	40-6-391A4	2
DUI/ALCOHOL/.08 OR MORE/21 YOA OR OLDER	40-6-391A5	4
DUI/DRUGS	40-6-391A6	1
ENDANGERING CHILD UNDER 14 YOA W/DUI	40-6-391L	1
FLEEING/ATTEMPTING TO ELUDE POLICE OFFICER FELONY	40-6-395B5A	3
AGGRESSIVE DRIVING	40-6-397	1
DRIVING ON WRONG SIDE OF ROADWAY	40-6-40	6
DRIVING WRONG SIDE OF ROAD	40-6-40A	2
IMPROPER PASSING	40-6-42	1
UNLAWFUL PASSING ON RIGHT	40-6-43A	1
IMPROPER PASSING ON RIGHT	40-6-43B	12
PASSING IN A NO PASSING ZONE	40-6-46	2
DRIVING WRONG WAY ON ONE WAY	40-6-47	1

© Synergistic Software, Inc. - http://www.SynergisticsInc.net

Attachment: Police Department Monthly Report - September 2021 (2505 : Committee Reports)

FAILURE TO MAINTAIN LANE/IMPROPER LANE CHANGE	40-6-48	65
FOLLOWING TOO CLOSELY	40-6-49	17
DRIVING IN DIVIDED HIGHWAY, CONTROLLED ACCESS ROADWAYS, AND EMERGENCY LANES	40-6-50	5
DRIVING IN THE EMERGENCY LANE/SHOULDER	40-6-50B	29
LEFT LANE VIOLATION	40-6-52	15
TRUCKS OVER 6 WHEEL MUST STAY TO RIGHT	40-6-52	1
FAILURE TO YIELD RIGHT OF WAY AT INTERSECTION	40-6-70	3
FAILURE TO STOP AT STOP SIGN	40-6-72	12
FAILURE TO YIELD WHEN ENTERING ROADWAY	40-6-73	5
FAILURE YIELD WHEN ENTERING ROADWAY	40-6-73	1
FAILURE TO YIELD FOR AUTHORIZED EMERGENCY VEHICLE	40-6-74	5
FAILURE TO YIELD FOR FUNERAL PROCESSION	40-6-76	1
DRIVING THROUGH A SAFETY ZONE	40-6-98	2
EQUIPMENT VIOLATION	40-8-1	2
FAILURE TO USE HEADLIGHTS AFTER DARK/WHEN RAINING	40-8-20	5
HEADLIGHT REQUIREMENTS	40-8-22	13
TAIL LIGHTS REQUIRED	40-8-23	13
TAG LIGHT REQUIRED	40-8-23 (D)	5
NO BRAKE LIGHTS OR WORKING TURN SIGNALS	40-8-25	7
STANDARDS FOR BRAKE LIGHTS/SIGNAL DEVICES	40-8-26	6
NO AMBER LIGHTS	40-8-27	1
DEFECTIVE BRAKES	40-8-53	1
OPERATING UNSAFE VEHICLE	40-8-7	2
IMPROPER EXHAUST	40-8-71	1
WINDSHIELD/WINDOW/WIPER REQUIREMENTS	40-8-73	2
WINDOW GLAZING VIOLATION/TINTED WINDOWS	40-8-73.1	7
TIRE REQUIREMENT	40-8-74	1
SAFETY RESTRAINT / MINOR UNDER 8	40-8-76	13
SEATBELT- CHILD	40-8-76	4
SAFETY RESTRAINT--OVER 18 YEARS	40-8-761	15
SAFETY RESTRAINT/MINOR 8 TO 17 YOA	40-8-761000	2
SPEEDOMETER-IMPROPERLY WORKING	40-8-8	1
UNLAWFUL USE OF BLUE LIGHTS ON VEHICLE	40-8-90	2
OPERATING VEHICLE DURING SUSPENSION OF LICENSE	40-9-8	1
PROBATION VIOLATION	42-8-32	2
Total Events:		1347

Attachment: Police Department Monthly Report - September 2021 (2505 : Committee Reports)

© Synergistic Software, Inc. - http://www.SynergisticsInc.net

Attachment: Police Department Monthly Report - September 2021 (2505 : Committee Reports)

Incident Types reported between 8/19/2021 and 9/15/2021

Events:	Total:
"USING TELEPHONE COMMUNICATIONS FOR OBSCENE, THREATENING, OR HARASSING PURPOSES"	1
ACQUIRING LICENSE PLATE FOR PURPOSE OF CONCEALING IDENTIFICATION OF MOTOR VEHICLE	1
Agency Assist	2
AGGRAVATED ASSAULT AGAINST A PEACE OFFICER	1
AGGRAVATED ASSAULT-STRANGULATION	1
AID TO OTHER AGENCY	1
ALTER, SALE, DISTRIBUTE, ETC. IDENTIFICATION WITH GOVT LOGO OR SEAL WITHOUT WRITTEN CONSENT	1
AMPHETAMINE- POSSESSION OF	4
ANIMAL COMPLAINT	1
APPROACHING AUTHORIZED EMERGENCY VEHICLE	1
BATTERY	1
BATTERY (FV)- 1ST OFFENSE	2
BURGLARY	1
BURGLARY - 2ND DEGREE (FELONY)	1
CARRYING AND POSSESSION OF A CONCEALED WEAPON	1
CIVIL MATTER	3
COMPUTER THEFT	1
CRIMINAL TRESPASS	5
CRUELTY TO CHILDREN 3RD DEGREE OR 3RD SUBSEQUENT OFFENSE	1
DAMAGE TO PROPERTY	8
DEATH INVESTIGATION	1
DEPRAVATION OF A MINOR	1
DISORDERLY CONDUCT	4
DOG AT LARGE	1
DOMESTIC DISPUTE	19
DRIVER TO EXERCISE DUE CARE	1
DRIVING IN THE EMERGENCY LANE/SHOULDER	2
DRIVING ON WRONG SIDE OF ROADWAY	3
DRIVING WHILE LICENSE SUSPENDED OR REVOKED- FELONY	3
DRIVING WHILE LICENSE SUSPENDED OR REVOKED- MISDEMEANOR	42
DRIVING WITHOUT A VALID LICENSE- MISDEMEANOR	55
DRUGS NOT IN ORIGINAL CONTAINER - MISDEMEANOR	1
DUI - COMBINATION	1
DUI - DRIVING UNDER THE INFLUENCE OF ALCOHOL - CONCENTRATION IS 0.08G OR MORE WITHIN 3 HRS OR MORE	4
DUI - LESS SAFE- ALCOHOL	6

© Synergistic Software, Inc. - http://www.SynergisticsInc.net

DUI - LESS SAFE- COMBINATION OF 1-3	1
DUI - LESS SAFE- DRUGS	2
DUI - REFUSAL	3
DUI- CHILD ENDANGERMENT - MISDEMEANOR	1
DUI/DRUGS	1
ENTERING AUTOMOBILE OR OTHER MOTOR VEHICLE WITH INTENT TO COMMIT THEFT OR FELONY	9
EXPIRED REGISTRATION	5
FAILURE TO MAINTAIN LANE/IMPROPER LANE CHANGE	10
FAILURE TO NOTIFY OWNER UPON STRIKING A FIXED OBJECT	1
FAILURE TO OBEY TRAFFIC CONTROL DEVICE	1
FAILURE TO SIGNAL	1
FAILURE TO STOP AT STOP SIGN	1
FAILURE TO USE HEADLIGHTS AFTER DARK/WHEN RAINING	1
FAILURE TO YIELD FOR AUTHORIZED EMERGENCY VEHICLE	3
FAILURE TO YIELD RIGHT OF WAY AT INTERSECTION	2
FAILURE TO YIELD WHEN ENTERING ROADWAY	1
FAILURE TO YIELD WHILE TURNING LEFT	1
FALSE STATEMENTS OR WRITINGS; CONCEAL FACTS OR FRAUDULENT DOCUMENTS IN MATTERS OF GOVERNMENT	1
FINANCIAL TRANSACTION CARD THEFT	1
FIRE-STRUCTURE	1
FLEEING OR ATTEMPTING TO ELUDE A POLICE OFFICER FOR A FELONY OFFENSE	3
FLEEING/ATTEMPTING TO ELUDE POLICE OFFICER FELONY	1
FOLLOWING TOO CLOSELY	1
FORGERY - 3RD DEGREE	1
FORGERY - 4TH DEGREE	1
HARASSING COMMUNICATIONS	2
HEADLIGHT REQUIREMENTS	2
HIT AND RUN; DUTY OF DRIVER TO STOP AT OR RETURN TO SCENE OF ACCIDENT	2
IMPERSONATING AN OFFICER	1
IMPROPER BACKING	1
IMPROPER LEFT OR RIGHT TURN	2
IMPROPER PASSING ON RIGHT	1
IMPROPER STOPPING	3
IMPROPER U-TURN	3
INFORMATION REPORT	1
INJURED PERSON	1
LEAVING VEHICLE UNATTENDED	1
LICENSE TO BE EXAMINED ON DEMAND	2
LICENSE TO BE EXHIBITED ON DEMAND	2
LOITERING OR PROWLING	2
LOST/MISLAID PROPERTY	2
MEDICAL CALL	2
MISCELLANEOUS REPORT	19
MISSING PERSON	3
NO BRAKE LIGHTS OR WORKING TURN SIGNALS	2
NO INSURANCE	3
OBSCURING TAG FRAME OR TINTED TAG COVERS PROHIBITED	1
OBSTRUCTION OF LAW ENFORCEMENT OFFICERS - MISDEMEANOR	2
OPEN CONTAINER OF ALCOHOL IN MOTOR VEHICLE	2
OPERATING VEHICLE DURING SUSPENSION OF LICENSE	1
PASSING IN A NO PASSING ZONE	1
POINTING OR AIMING GUN OR PISTOL AT ANOTHER	1
POSESSION OF MARIJUANA	7
POSS/MAN/DISTRIBUTION/SALE OF LOW THC OIL	1
POSSESSION AND USE OF DRUG RELATED OBJECTS	10
POSSESSION MARIJUANA MORE THAN 1 OZ (FELONY)	1
POSSESSION OF FIREARM BY CONVICTED FELON OR FIRST OFFENDER	2
POSSESSION OF FIREARM OR KNIFE DURING COMMISSION OF OR ATTEMPT TO COMMIT A CRIME	1
PROBATION VIOLATION	1
RECKLESS CONDUCT	1
RECKLESS DRIVING	3
RECOVERED PROPERTY-NOT STOLEN	1

Attachment: Police Department Monthly Report - September 2021 (2505 : Committee Reports)

© Synergistic Software, Inc. - http://www.SynergisticsInc.net

RECOVERED STOLEN MOTOR VEHICLE	1
RUNAWAY JUVENILE	2
SAFETY RESTRAINT / MINOR UNDER 8	3
SAFETY RESTRAINT--OVER 18 YEARS	1
SAFETY RESTRAINT/MINOR 8 TO 17 YOA	1
SEATBELT- ADULT	1
SPEEDING IN EXCESS OF MAXIMUM LIMITS	22
STANDARDS FOR BRAKE LIGHTS/SIGNAL DEVICES	1
SUICIDE THREAT/ATTEMPT	1
SUSPENDED REGISTRATION	5
SUSPICIOUS INCIDENT	1
TAG LIGHT REQUIRED	1
TAG/ REGISTRATION REQUIREMENTS	1
TAIL LIGHTS REQUIRED	3
TERRORISTIC THREATS AND ACTS	6
THEFT BY RECEIVING STOLEN PROPERTY - FELONY	1
THEFT BY SHOPLIFTING	3
THEFT BY TAKING - FELONY	4
THEFT BY TAKING - MISDEMEANOR	3
THEFT BY TAKING MISDEMEANOR	1
THEFT BY TAKING- MOTOR VEHICLE	1
TOO FAST FOR CONDITIONS	1
UNGOVERNABLE CHILD	2
UNLAWFUL USE OF WIRELESS DEVICE	2
UNSECURED LOAD	1
WANTED PERSON	5
WELFARE CHECK	1
WINDOW GLAZING VIOLATION/TINTED WINDOWS	1
Total Events:	406

Attachment: Police Department Monthly Report - September 2021 (2505 : Committee Reports)

© Synergistic Software, Inc. - http://www.SynergisticsInc.net

City Council
7224 GA Highway 21
Port Wentworth, GA 31407

SCHEDULED

Meeting: 09/23/21 12:00 AM
Department: Police Department
Category: Agreement
Prepared By: Matt Libby
Department Head: Matt Libby

AGENDA ITEM (ID # 2517)

DOC ID: 2517

Intergovernmental Agreement Between Chatham County and the City of Port Wentworth for 911 Dispatch

Issue/Item: Intergovernmental Agreement between Chatham County and City of Port Wentworth regarding the new 911 system.

Background: Chatham County provides 911 and dispatch services for the City of Port Wentworth.

Facts and Findings: Chatham County is upgrading the 911 dispatch software and is requiring all municipalities to enter into a new intergovernmental agreement with them. The quoted cost for this service is approximately $60,000 a year. The county will be paying for all software and implementation of this system.

Alternatives: N/A

Funding: General fund and technology fee.

Recommendation: We have no choice but to approve this intergovernmental agreement.

ATTACHMENTS:

- 911 Intergovernmental Agreement (PDF)

Intergovernmental Agreement

Between

Chatham County, Georgia

And

City of Port Wentworth

This intergovernmental agreement is made by and between the Chatham County Board of Commissioners, herein after ("County") and the City of Port Wentworth, herein after ("Municipality") and agrees as follows:

WHEREAS, the County operates and maintains a county wide Emergency Communications Center (herein after "the Center") to include all necessary equipment and software to support interoperability throughout the County, except for the City of Tybee Island and Hunter Army Airfield at the time of this agreement; and,

WHEREAS, it is in the best interest of all citizens of County and Municipality to ensure the continual and efficient operations of public safety operations; and,

WHEREAS, the County established the E-911 Executive Advisory Board (EAB) to coordinate and implement standardization, efficiency and data management across the public safety spectrum throughout Chatham County.

WHEREAS, the County, as directed by the E-911 Executive Advisory Board (EAB), desired to upgrade the software systems used by the County and Municipality during public safety response operations;

NOW THEREFORE, the Center and Municipality will use CentralSquare Technologies Enterprise Computer Aided Dispatch system (herein after "CAD") as the exclusive Computer Aided Dispatch system after the upgrades are complete.

NOW THEREFORE, the County will make CentralSquare Enterprise Law Enforcement Records Management System (herein after "LRMS") and ImageTrend Elite Fire Record Management System (herein after "FRMS") available to Municipality after software system implementations are complete.

NOW THEREFORE, the County and Municipality agree more particular as follows:

1. The recitals above are incorporated by reference into the body of this agreement.
2. County responsibilities are as follows:
    a. Agrees to make available to Municipality the CAD, LRMS, and FRMS applications, in addition to any other enterprise-wide interface outlined in Attachment B, necessary to participate in the public safety system software being used within the Center upon implementation, until its termination.
    b. Interfaces, integrations, or other connections to CAD not outlined in Attachment B will not be supported or maintained by County.

Attachment: 911 Intergovernmental Agreement (2517 : Intergovernmental Agreement Between Chatham County and the City of Port Wentworth

Attachment: 911 Intergovernmental Agreement (2517 : Intergovernmental Agreement Between Chatham County and the City of Port Wentworth

c. Provide Technical Support for the remote connectivity to the above systems, as well as application specific problems, configurations, etc.
d. Liaise with Municipality for technical support issues with the vendor.

3. Municipality responsibilities are as follows:
   a. Municipality agrees that it shall utilize CAD as the exclusive method of non-verbal communication and dispatching with the Center. CAD shall be provided to Municipality at no expense.
   b. Municipality agrees it shall utilize LRMS as their sole law enforcement records management system. County will not support other record management systems after the implementation of LRMS.
   c. Municipality agrees it shall cover the expenses for LRMS as outlined in Attachment A.
   d. Municipality agrees it shall utilize FRMS as their sole fire records management system. County will not support other record management systems after the implementation of FRMS.
   e. Municipality agrees it shall cover the expenses for FRMS as outlined in Attachment A.
   f. Municipality agrees to provide sufficient staffing for training during the implementation period of 2 years from the date of this agreement.
   g. Provide Technical Support for all devices used to access CAD, LRMS, and FRMS applications. Municipality will provide a primary technical point of contact, which will follow the Center's trouble ticket procedures.
4. Information sharing
   a. County and Municipality agree to share the following items with all parties involved in the LRMS system:
      i. Master Person Indices
      ii. Master Vehicle Indices
      iii. Master Property Indices
      iv. Master Location Indices
   b. County and Municipality agree to not disclose any information obtained through information sharing with unauthorized personnel.
   c. County and Municipality both understand sensitive information may be withheld from the items identified under Section 4.a; pending the release of said information would impact the safety of an individual or ongoing investigation but only to the extent permitted by law.
5. Municipality agrees it shall pay its share of cost associated with the use of CAD, LRMS, FRMS as set forth more fully in attached schedule A. The County will not pay for individual municipality use license for LRMS or FRMS as these items will be billed to the individual municipality. The County will not pay or cover the hardware costs for a municipality or partner agency as these cost are for equipment that will operate the municipality or partner agency's system. Schedule A makes projections as to the cost of operation that include long term future projections made in good faith by the County based on vendor information. The County cannot affirm to the municipality that vendor pricing will not be modified or increased in some manner in the future.

6. Payment monthly for the use of firm FRMS implementation is projected to begin the first quarter of 2022 but in no case shall payment monthly occur until system is operable. Parties will agree to a reasonable time frame for training for the use of CAD and FRMS. Payment monthly from by Municipality or partner agency for LRMS which implementation is projected to begin June 30, 2023 but in no case shall payment be due until the LRMS system is operable. The municipality or partner agency shall make all payments due by the 7th of each month to the Chatham County Finance Department. Failure to pay and to have a delinquent balance due in excess of thirty days past due shall receive notice that if payment is not made within 30 days of notice of delinquency or should delinquency continue or non-payment continue to occur, this may result in the municipality or partner agency be terminated from access and use of Public Safety Answering Point.
7. E-911 services as outlined in the agreement are provided by Chatham County as directed by Georgia law.
8. The term of this agreement is one year from the date of execution and shall follow with no more than ten, one year renewals unless otherwise terminated by any party in writing in conformance with this agreement.
9. Nothing contained herein shall effect, change, negated or otherwise alter any other agreements between County and Municipality over the operations or funding of the E-911 services.
10. Any party to this agreement may terminate its participation with 60 days written notice delivered prior to contract renewal, which will take effect at subsequent contract renewal. Notice to the County shall be controlling if there is a conflict in the notice date.
11. Should the funding arrangement of this agreement be altered, changed or otherwise impacted, then all parties has the right to terminate as allowed herein.
12. All parties agree to indemnify and hold harmless all other parties as allowed by Georgia law. Nothing contained herein is to be deemed a waiver of sovereign immunity.
13. Venue shall lie in the Superior Court of Chatham County, Georgia.

Attachment A: Funding Model

Attachment B: List of included interfaces and systems referenced in the IGA.

CHATHAM COUNTY, GEORGIA

By: _____

Chester A. Ellis, Chairman

Attachment: 911 Intergovernmental Agreement (2517 : Intergovernmental Agreement Between Chatham County and the City of Port Wentworth

Attest: _____
Janice Bocook, Clerk

Approved as to form and legality.

_____
R. Jonathan Hart, County Attorney

CITY OF PORT WENTWORTH, GEORGIA

By: _____
Gary Norton, Mayor

Attest: _____
Edwin L. Booth, City Manager

Approved as to form:

_____
James L. Coursey, Jr./City Attorney

Attachment: 911 Intergovernmental Agreement (2517 : Intergovernmental Agreement Between Chatham County and the City of Port Wentworth

TCO 6/8 Update

Agency/Department	Expenses					
Mobile CAD, BI, & LRMS	FY21 - FY23	FY24	FY25	FY26	FY27	Total
BOE PD (72 users)	$ -	$ 41,115	$ 41,115	$ 41,115	$ 41,115	$ 164,460
Bloomingdale PD (15 users)	$ -	$ 8,566	$ 8,566	$ 8,566	$ 8,566	$ 34,264
Chatham County PD (138 users)	$ -	$ 78,803	$ 78,803	$ 78,803	$ 78,803	$ 315,212
Counter Narcotics Team (7 users)	$ -	$ 3,426	$ 3,426	$ 3,426	$ 3,426	$ 13,704
Garden City PD (39 users)	$ -	$ 22,270	$ 22,270	$ 22,270	$ 22,270	$ 89,080
Pooler PD (67 users)	$ -	$ 38,259	$ 38,259	$ 38,259	$ 38,259	$ 153,036
Port Wentworth PD (55 users)	$ -	$ 31,407	$ 31,407	$ 31,407	$ 31,407	$ 125,628
Savannah PD (575 users)	$ -	$ 304,933	$ 304,933	$ 304,933	$ 304,933	$ 1,219,732
Thunderbolt PD (9 users)	$ -	$ 5,139	$ 5,139	$ 5,139	$ 5,139	$ 20,556
Tybee Island PD (30 users)	$ -	$ 17,131	$ 17,131	$ 17,131	$ 17,131	$ 68,524
Mobile CAD, & BI	FY21 - FY23	FY24	FY25	FY26	FY27	Total
Chatham EMA (8 users)						$ -
Savannah EMA (1 user)						$ -
Mobile CAD & FRMS	FY21 - FY23	FY24	FY25	FY26	FY27	Total
Bloomingdale FD (45 users)	$ 2,487	$ 854	$ 880	$ 906	$ 933	$ 6,060
Garden City FD (30 users)	$ 23,370	$ 8,024	$ 8,265	$ 8,512	$ 8,768	$ 56,939
Isle of Hope FD (25 users)	$ 968	$ 332	$ 342	$ 353	$ 363	$ 2,359
Pooler FD (72 users)	$ 32,306	$ 11,092	$ 11,424	$ 11,767	$ 12,120	$ 78,710
Port Wentworth FD (28 users)	$ 8,092	$ 2,778	$ 2,862	$ 2,948	$ 3,036	$ 19,716
Savannah FD (360 users)	$ 64,918	$ 22,288	$ 22,957	$ 23,646	$ 24,355	$ 158,164
Thunderbolt FD (15 users)	$ 1,783	$ 612	$ 631	$ 650	$ 669	$ 4,345
Tybee Island FD (21 users)	$ 5,559	$ 1,908	$ 1,966	$ 2,025	$ 2,085	$ 13,543
CES- Fire (87 users)	$ 27,529	$ 9,452	$ 9,735	$ 10,027	$ 10,328	$ 67,071
CES- EMS (189 users)	$ -	$ -	$ -	$ -	$ -	$ -
CAD, Mobile, & BI	FY21 - FY23	FY24	FY25	FY26	FY27	Total
Chatham 911 Comm. Srvs. (24 pos.)						$ -
CES Dispatch (6 pos.)						$ -
Tybee Island Dispatch (2 pos.)						$ -
Application Costs	FY21 - FY23	FY24	FY25	FY26	FY27	Total
Chatham County	$ 2,984,670	$ 681,162	$ 701,597	$ 722,645	$ 744,324	$ 5,834,399

Municipality/Partner	FY21 - FY23	FY24	FY25	FY26	FY27	Total
Chatham County	$ 2,984,670	$ 763,391	$ 783,826	$ 804,874	$ 826,553	$ 6,163,315
Chatham Emergency Services	$ 27,529	$ 9,452	$ 9,735	$ 10,027	$ 10,328	$ 67,071
Board of Education	$ -	$ 41,115	$ 41,115	$ 41,115	$ 41,115	$ 164,460
Bloomingdale	$ 2,487	$ 9,420	$ 9,446	$ 9,472	$ 9,499	$ 40,324
Garden City	$ 23,370	$ 30,294	$ 30,535	$ 30,782	$ 31,038	$ 146,019
Isle of Hope	$ 968	$ 332	$ 342	$ 353	$ 363	$ 2,359
Pooler	$ 32,306	$ 49,351	$ 49,683	$ 50,026	$ 50,379	$ 231,746
Port Wentworth	$ 8,092	$ 34,185	$ 34,269	$ 34,355	$ 34,443	$ 145,344
Savannah	$ 64,918	$ 327,221	$ 327,890	$ 328,579	$ 329,288	$ 1,377,896
Thunderbolt	$ 1,783	$ 5,751	$ 5,770	$ 5,789	$ 5,808	$ 24,901
Tybee Island	$ 5,559	$ 19,039	$ 19,097	$ 19,156	$ 19,216	$ 82,067
Total:	**$ 3,151,683**	**$ 1,289,552**	**$ 1,311,708**	**$ 1,334,527**	**$ 1,358,032**	**$ 8,445,502**

First Municipal/Partner payment due for FY21-FY23 at the time of end user training

The TCO by Agency/Partner breakdown includes the following assumptions:

- The County will cover all application (CAD, LRMS, FRMS) costs, to include all enterprise-wide interfaces, and all licenses for CAD/Mobile.
- This County does not cover LRMS or FRMS individual user licenses; those are billed to each agency/partner on the attached spreadsheet.
- The County does not cover hardware costs for the municipalities or partner agencies.
- Pricing for CAD/BI/LRMS is based on user counts; FRMS is based on annual incident counts.
- LRMS does not have implementation costs, they are included in CAD; FRMS does have implementation (year 1-3) costs.
- This document does not include RMS for EMS.
- This also assumes all original partners are still participating in the system. Should that change, this document would change.
- The first section (Agency/Department) breaks down the costs down by agency or department; the bottom section (Municipality/Partner) is the total costs the municipality or partner would pay.

Attachment: 911 Intergovernmental Agreement (2517 : Intergovernmental Agreement Between Chatham County and the City of Port Wentworth

CAD 6/8 Update

Agency/Department	Expenses					
Application Costs	Year 1	Year 2	Year 3	Year 4	Year 5	Total
Chatham County	$ 1,982,391	$ 645,375	$ 664,736	$ 684,678	$ 705,219	$ 4,682,399

Municipality/Partner	Year 1	Year 2	Year 3	Year 4	Year 5	Total
Chatham County	$ 1,982,391	$ 645,375	$ 664,736	$ 684,678	$ 705,219	$ 4,682,399
Chatham Emergency Services						$ -
Board of Education						$ -
Bloomingdale						$ -
Garden City						$ -
Isle of Hope						$ -
Pooler						$ -
Port Wentworth						$ -
Savannah						$ -
Thunderbolt						$ -
Total:	**$ 1,982,391**	**$ 645,375**	**$ 664,736**	**$ 684,678**	**$ 705,219**	**$ 4,682,399**

Attachment: 911 Intergovernmental Agreement (2517 : Intergovernmental Agreement Between Chatham County and the City of Port Wentworth

LRMS 6/8 Update

Agency/Department	Expenses					
RMS	Year 1	Year 2	Year 3	Year 4	Year 5	Total
BOE PD		$ 41,115	$ 41,115	$ 41,115	$ 41,115	$ 164,460
Bloomingdale PD		$ 8,566	$ 8,566	$ 8,566	$ 8,566	$ 34,264
Chatham County PD		$ 78,803	$ 78,803	$ 78,803	$ 78,803	$ 315,212
Counter Narcotics Team		$ 3,426	$ 3,426	$ 3,426	$ 3,426	$ 13,704
Garden City PD		$ 22,270	$ 22,270	$ 22,270	$ 22,270	$ 89,080
Pooler PD		$ 38,259	$ 38,259	$ 38,259	$ 38,259	$ 153,036
Port Wentworth PD		$ 31,407	$ 31,407	$ 31,407	$ 31,407	$ 125,628
Savannah PD		$ 304,933	$ 304,933	$ 304,933	$ 304,933	$ 1,219,732
Thunderbolt PD		$ 5,139	$ 5,139	$ 5,139	$ 5,139	$ 20,556
Tybee Island PD		$ 17,131	$ 17,131	$ 17,131	$ 17,131	$ 68,524
Application Costs	Year 1	Year 2	Year 3	Year 4	Year 5	Total
Chatham County	$ 871,044					$ 871,044

Attachment: 911 Intergovernmental Agreement (2517 : Intergovernmental Agreement Between Chatham County and the City of Port Wentworth

Attachment A: Funding Model

FRMS 4/29 Update

Mobile CAD, & FRMS		FY21	FY22	FY23	FY24	FY25	FY26	FY27	Total
Bloomingdale FD (45 users)		$ 829	$ 829	$ 829	$ 854	$ 880	$ 906	$ 933	$ 4,211
Garden City FD (30 users)		$ 7,790	$ 7,790	$ 7,790	$ 8,024	$ 8,265	$ 8,512	$ 8,768	$ 39,659
Isle of Hope FD (25 users)		$ 323	$ 323	$ 323	$ 332	$ 342	$ 353	$ 363	$ 1,643
Pooler FD (72 users)		$ 10,769	$ 10,769	$ 10,769	$ 11,092	$ 11,424	$ 11,767	$ 12,120	$ 54,822
Port Wentworth FD (28 users)		$ 2,697	$ 2,697	$ 2,697	$ 2,778	$ 2,862	$ 2,948	$ 3,036	$ 13,733
Savannah FD (360 users)		$ 21,639	$ 21,639	$ 21,639	$ 22,288	$ 22,957	$ 24,646	$ 24,355	$ 110,169
Thunderbolt FD (15 users)		$ 594	$ 594	$ 594	$ 612	$ 631	$ 650	$ 669	$ 3,026
Tybee Island FD (21 users)		$ 1,853	$ 1,853	$ 1,853	$ 1,908	$ 1,966	$ 2,025	$ 2,085	$ 9,433
CFS- Fire (87 users)		$ 9,176	$ 9,176	$ 9,176	$ 9,452	$ 9,735	$ 10,027	$ 10,328	$ 46,716
Application Costs		**Year 1**	**Year 2**	**Year 3**	**Year 4**	**Year 5**			**Total**
Chatham County		$ 62,745	$ 34,745	$ 34,745	$ 35,787	$ 36,861	$ 37,967	$ 39,106	$ 203,883

Attachment: 911 Intergovernmental Agreement (2517 : Intergovernmental Agreement Between Chatham County and the City of Port Wentworth

Attachment B: Interface List

	Interface	Description	RFP Reference
1	AVL	Automated vehicle location.	Several references
2	Email	Email notifications.	Several CAD and RMS references
3	LRMS Incident Transfer	Standard CAD incident data transfer to Records Enterprise LRMS	6.6.9
4	FRMS Incident Transfer (ImageTrend for Fire and EMS)	Standard CAD incident data to External System	6.6.9
5	Accident Report Export to External Systems (GEARS)	Standard Records Enterprise Crash Publisher that publishes crash data from Records Enterprise via XML to a network file share in a CentralSquare-defined file format.	7.14.13
6	CAD to CAD	Tellus delivers a real-time situational awareness map capable of showing events and assets from one or more connected CAD systems.	10
7	ASAP Alarm	CAD Enterprise includes a standardized set of feature/functionality and interface standards that have been audited and certified by the Monitoring Association, formerly the Central Station Alarm Association, to meet or exceed all aspects of the ASAP program	16
8	Intrado Viper 911	Receive Automatic Location Identification (ALI) information associated with each 9-1-1 call.	17.1
9	Motorola Astro 25 Radio System	An ATIA interface to provide Push To Talk, Emergency Notification and Unit Status Changes from radio. These capabilities depend on the County providing the ATIA API from Motorola.	17.2 and Addendum 3. The County is seeking to learn all capabilities and costs associated with each capability
10	Higher Ground Logging and Recording System	Standard unidirectional CAD Enterprise export utility that publishes CAD incident data for consumption by a Higher Ground Logging and Recording System	17.1
11	Georgia State Msg Switch	CentralSquare Message Switch (TFMS), which communicates with the State network using TCP/IP messages formatted to GCIC and NCIC specifications in effect at the time of contract execution	17.4
12	Fire Station Alerting	Standard bidirectional, real-time interface with an existing First In Fire Station Alerting System used for automated notification of first responders to calls-for service and move up assignments.	17.6
13	EMD Dispatching	CAD Enterprise natively supports licensable interfaces with the leading Call Screening Protocol applications including: • APCO 911 Advisor • PowerPhone Total Response • Priority Dispatch ProQA	17.5
14	Active911	Standard Alpha Numeric Paging Interface to publish incident data to the Active911 by way of a predefined email address that has been issued by Active911.	17.7
15	Smart911	Standard one-way interface from the Smart911 system to CAD Enterprise Rave Mobile Safety must generate a file to a shared network directory for each Smart911 Safety Profile processed and each file must contain a valid street addressed location and the associated Smart911 Safety Profile. CentralSquare assumes the data provided by Smart911 is in XML format	17.8 and 2.13
16	PulsePoint	CAD Enterprise supports the PulsePoint system easily by providing PulsePoint access to the CAD Enterprise Archive and Reporting Server. PulsePoint queries directly against a read only data view that has been configured on the CAD Enterprise Archive and Reporting Server where it has access to near realtime CAD incident data.	17.9

Attachment: 911 Intergovernmental Agreement (2517 : Intergovernmental Agreement Between Chatham County and the City of Port Wentworth

17	LiveScan	Standard bidirectional interface that will push booster name and demographics from Records Enterprise via XML files to a network file share for consumption by a Morpho LiveScan capture station and receive requests from the LiveScan system into Records Enterprise	17.1
18	Paging	Addendum 3 advised to disregard paging requirements, however we have included paging to satisfy other requirements that the CAD Enterprise paging system accommodates such as Active911	17.7
19	RapidSOS	The optional RapidSOS feature provides location information for call takers receiving 9-1-1 calls from a wireless device. Smart 911 connects and sends queries to a RapidSOS server for location information of these wireless 911 calls. Once the location is received, the data is populated like any typical ANI/ALI location update in CAD.	2.13
20	CryWolf	In addition to moving the CAD-to-CryWolf alarm incident data transfer interface from the existing TotalCommandCAD to the proposed CAD Enterprise system, CentralSquare will enhance the CAD Enterprise and CryWolf integration. CryWolf will provide daily updates to CAD Enterprise including alarm system status (e.g., active, limited/no response, closed), alarm user contact information, and site conditions/hazards for enhanced response and officer safety	Functional Technical Matrix Alarm Tracking Tab
21	ShotSpotter	Import of notification messages from ShotSpotter system. These messages are used to create or update a CAD Enterprise incident.	BAFO
22	Text-to-911	CentralSquare offers an interface for importing and storing text-to-911 transcripts supplied through the ALI interface of the NG9-1-1 phone system. Our ability to deliver this interface depends on the capabilities of the City's Intrado ANI/ALI text-to-911 to support the standard CentralSquare interface.	BAFO
23	Citation Publisher (Court)	Unidirectional publisher of Citation data from Records Enterprise via XML files to the network file share for consumption by Court system.	BAFO
24	Arrests Publisher (Court)	Unidirectional publisher of Arrests data from Records Enterprise via XML files to the network file share for consumption by Court system.	BAFO
25	Deccan LiveMUM	Live Move-Up Module (LiveMUM) is a software tool that interfaces with CAD Enterprise to not only display current coverage levels to Communications Center dispatchers but also to offer tactical redeployment (move-up) recommendations. These recommendations are based on various criteria (business rules and/or operational procedures) set by the Communication Center and can incorporate data driven efficiency algorithms	4.18.6

Attachment: 911 Intergovernmental Agreement (2517 : Intergovernmental Agreement Between Chatham County and the City of Port Wentworth

City Council
7224 GA Highway 21
Port Wentworth, GA 31407

SCHEDULED

Meeting: 09/23/21 12:00 AM
Department: Development Services
Category: Planning/Zoning Item
Prepared By: Melanie Ellis
Department Head: Brian Harvey

AGENDA ITEM (ID # 2507)

DOC ID: 2507

Site Plan Review Application submitted by NGI Acquisitions, LLC., on behalf of Tom Exley for PIN # 7-0907-01-003 (Highway 21) for a General Development Site Plan to allow a Multifamily Apartment Complex (Novare) in a P-RIP (Planned Residential Institutional) Zoning District

Issue/Item: Site Plan Review Application submitted by NGI Acquisitions, LLC., on behalf of Tom Exley for PIN # 7-0907-01-003 (Highway 21) for a General Development Site Plan to allow a Multifamily Apartment Complex (Novare) in a P-RIP (Planned Residential Institutional) Zoning District

Background: The subject property is currently vacant woodland. There are no buildings or structures on the subject property. A general development plan for this property was approved during the May 27, 2021 City Council meeting.

Facts and Findings: This is a revision to the approved general development plan. The revised general site plan consist of 13 Apartment Buildings (312 units), 8 Carriage Buildings (16 units) for a total of 328 residential units, garage buildings, pool, clubhouse and amenities. The revisions from the previous general development plan are as follows: Trash compactor / recycle bin added, increase of 2 carriage buildings for a total of 8 (previously 6), 1 garage building removed, gated emergency only access added to Black Creek Drive, additional greenspace added to parking field, and amenity area refined. The main entrance for the complex will be on GA Highway 21. The site plan also includes associated parking, utilities, drainage and infrastructure improvements.

Funding: N/A

Recommendation: The Planning Commission will hear this application on Monday, September 13, 2021 at 6:30 PM. **/ UPDATE: THE PLANNING COMMISSION VOTED 3 TO 2 TO APPROVE THIS APPLICATION.**

ATTACHMENTS:

- 7-0907-01-003 NOVARE GSP REVISION SEPT 2021 - Application (PDF)
- 7-0907-01-003 NOVARE GSP REVISION SEPT 2021 - APO Map (PDF)
- 7-0907-01-003 NOVARE GSP REVISION SEPT 2021 - Project Narrative (PDF)
- 7-0907-01-003 NOVARE GSP REVISION SEPT 2021 - Timeline (DOCX)
- 7-0907-01-003 NOVARE GSP REVISION SEPT 2021 - Site Plan 9.3.21 (PDF)
- Planning Commission Minutes September 13, 2021 DRAFT (PDF)

210305

City of Port Wentworth
▪7224 Highway 21 ▪ Port Wentworth ▪ Georgia ▪ 31407 ▪ 912-999-2084

RECEIVED
AUG 13 2021
BY:

Site Plan Review Application

Site Plan Application is required for all new construction in a "P" or "MPO" zone as defined in the Zoning Ordinance of the City of Port Wentworth.

Site Plan Type (*Check One*): ☒ General / Concept (Revision to approved plan) ☐ Specific Development

Site Plan Address: Highway 21, Port Wentworth, GA (North west of Pine Forest Subdivision

PIN #(s): 7-0907-01-003

Zoning: P-RIP Estimated Cost of Construction: $ 40 Million

Type of Construction: Multifamily apartment complex

Applicant's Name: NGI Acquisitions, LLC

Mailing Address: 1545 Peachtree Street Suite 260, Atlanta, GA 30309

Phone #: 404-815-1234 Email: tandersen@novaregroup.com

Owner's Name (If Different form Applicant): Tom Exley

Mailing Address: Post Office Box 1338, Rincon, GA 31326

Phone #: 912-658-1625 Email: tomexley2@gmail.com

I hereby acknowledge that the above information is true and correct.

Scott K. Monson as Agent for NGI Acquisition, LLC
Applicant's Signature

8-13-2021
Date

Thomas L Exley
Owner's Signature (If Different form Applicant)

8/13/2021
Date

Please see page 2 for required submittal checklist

Updated 4/28/2020

Attachment: 7-0907-01-003 NOVARE GSP REVISION SEPT 2021 - Application (2507 : Site Plan Review Application (General) 7-0907-01-003

City of Port Wentworth
▪7224 Highway 21 ▪ Port Wentworth ▪ Georgia ▪ 31407 ▪ 912-999-2084

Site Plan Review Application Submittal Checklist

Documentation below is required for a complete submittal.

- ☒ Signed and Completed Application
- ☒ 3 Full size sets of site plan civil drawings or concept plan (depending on type of site plan)
- ☒ 15 half size (11" X 17") sets of site plan civil drawings or concept plan (depending on type of site plan)
- N/A ☐ 2 copies of hydrology reports (if applicable)
- ☒ Names, mailing address, and PIN number of all property owners within 250 feet of all property lines
- ☒ 1 8 ½" X 11" of site plan civil drawings or concept plan (depending on type of site plan)
- ☒ PDF of entire submittal (either flash drive or CD)
- ☒ Other Engineering details or reports may be required once submittal has been received
- ☒ Site plan review fee check
  - → ○ No Land Disturbance- $206.00 Site Plan Fee + $50.00 Admin Fee = Total $256.00
  - ○ With Land Disturbance - $836.00 Site Plan Fee + $50.00 Admin Fee = Total $886.00

Additional Fee Statement: If engineer review cost to the City exceeds the site plan review fee that is paid at the time of initial application submittal, you may be required to pay additional review cost.

I have read and agree to the above additional fee statement

Applicant's Signature

8-13-2021
Date

Updated 4/28/2020

Attachment: 7-0907-01-003 NOVARE GSP REVISION SEPT 2021 - Application (2507 : Site Plan Review Application (General) 7-0907-01-003

CITY OF PORT WENTWORTH
(912) 964-4379

REC#: 00324150 8/19/2021 3:07 PM
OPER: ME TERM: 011
REF#: CK 110209

TRAN: 112.0000 BLDG PERMIT
210305 256.00CR
NGI ACQUISITIONS, LLC
7-0907-01-003
DEV-SPR 256.00CR

TENDERED: 256.00 CHECK
APPLIED: 256.00-

CHANGE: 0.00

WWW.CITYOFPORTWENTWORTH.COM

Attachment: 7-0907-01-003 NOVARE GSP REVISION SEPT 2021 - Application (2507 : Site Plan Review Application (General) 7-0907-01-003

Owner Name	Parcel Number	Property Address	Owner Address
WOODLIEF, HOWARD MACKLIN & LEE, CHRISTOPHER	7-0907A-01-003	205 PROVIDENCE DR, PORT WENTWORTH, GA 31407	205 PROVIDENCE DR, PORT WENTWORTH, GA 31407-9793
HOLT, TIMOTHY G	7-0907A-02-008	16 TREADWAY ST, PORT WENTWORTH, GA 31407	16 TREADWAY ST, PORT WENTWORTH, GA 31407-9620
OTTO, JAMES PAUL	7-0907A-02-010	20 TREADWAY ST, PORT WENTWORTH, GA 31407	322 CONAWAY RD, BLOOMINGDALE, GA 31302-9203
OSWELL, CHERYL A	7-0907A-07-001	4 PONDEROSA DR, PORT WENTWORTH, GA 31407	4 PONDEROSA DR, PORT WENTWORTH, GA 31407-9778
SMITH, ROBERT S & LECROY, FLORENCE LOUISE	7-0907A-07-003	8 PONDEROSA DR, PORT WENTWORTH, GA 31407	8 PONDEROSA DR, PORT WENTWORTH, GA 31407-9778
VOGEL, BRIAN R	7-0907A-07-012	21 TREADWAY ST, PORT WENTWORTH, GA 31407	68 STAGECOACH RD, BLOOMINGDALE, GA 31302-5072
GALLETTA, JOHN LANGDON	7-0907A-07-015	15 TREADWAY ST, PORT WENTWORTH, GA 31407	15 TREADWAY ST, PORT WENTWORTH, GA 31407-9621
HICKS, ALEXANDER	7-0976A-01-019	7425 HIGHWAY 21, PORT WENTWORTH, GA 31407	7425 GA HIGHWAY 21, PORT WENTWORTH, GA 31407-9717
MORGAN, JANICE L	7-0907A-01-002	203 PROVIDENCE DR, PORT WENTWORTH, GA 31407	203 PROVIDENCE DR, PORT WENTWORTH, GA 31407-9793
GOVEA, RAUL HUERTA	7-0907A-02-003	6 TREADWAY ST, PORT WENTWORTH, GA 31407	6 TREADWAY ST, PORT WENTWORTH, GA 31407-9620
LANDING, MARY ELLEN	7-0907A-02-004	8 TREADWAY ST, PORT WENTWORTH, GA 31407	8 TREADWAY ST, PORT WENTWORTH, GA 31407-9620
SAVANNAH PROP SALES & MGMT LLC	7-0907A-07-014	17 TREADWAY ST, PORT WENTWORTH, GA 31407	17 TREADWAY ST, PORT WENTWORTH, GA 31407-9621
SIMMONS, MARY	7-0907A-07-016	13 TREADWAY ST, PORT WENTWORTH, GA 31407	PO BOX 1705, SAVANNAH, GA 31402-1705
HICKS, ALEXANDER	7-0976A-01-025	7423 HIGHWAY 21, PORT WENTWORTH, GA 31407	7425 GA HIGHWAY 21, PORT WENTWORTH, GA 31407-9717
OGLE, RICHARD BRIAN	7-0907A-07-002	6 PONDEROSA DR, PORT WENTWORTH, GA 31407	907 NEASE RD, GUYTON, GA 31312-5947
BRUNSON, JAMES S & BRUNSON, CINDY	7-0907A-07-019	5 TREADWAY ST, PORT WENTWORTH, GA 31407	5 TREADWAY ST, PORT WENTWORTH, GA 31407-9621
GRANT, MICHAEL	7-0907A-02-007	14 TREADWAY ST, PORT WENTWORTH, GA 31407	14 TREADWAY ST, PORT WENTWORTH, GA 31407-9620
BURGESS, WILLIAM J	7-0907A-07-021	3 TREADWAY ST, PORT WENTWORTH, GA 31407	3 TREADWAY ST, PORT WENTWORTH, GA 31407-9621
BERRIEN, BESSIE	7-0976A-01-012	104 BERRIEN RD, PORT WENTWORTH, GA 31407	520 ACACIA ST, SAVANNAH, GA 31405-1929
JACKSON, BOSTICK	7-0976A-01-020	AUGUSTA RD, PORT WENTWORTH, GA 31407	362 SAUSSY RD, SAVANNAH, GA 31407-9639
BRYANT, RICHARD	7-0976A-01-021	AUGUSTA RD, PORT WENTWORTH, GA 31407	312 CHATHAM VILLA DR, GARDEN CITY, GA 31408-1912
WYLLY, JOHN C	7-0907-01-003	HIGHWAY 21, PORT WENTWORTH, GA 31407	PO BOX 753, TYBEE ISLAND, GA 31328-0753
ATHE6 LLC	7-0907A-01-001	201 PROVIDENCE DR, PORT WENTWORTH, GA 31407	PO BOX 16134, SAVANNAH, GA 31416-2834
JOHNSTON, RANDY D & JOHNSTON, TONI S	7-0907A-02-006	12 TREADWAY ST, PORT WENTWORTH, GA 31407	12 TREADWAY ST, PORT WENTWORTH, GA 31407-9620
9641 LEHIGH AVENUE LLC	7-0907A-02-009	18 TREADWAY ST, PORT WENTWORTH, GA 31407	9641 LEHIGH AVE, SAVANNAH, GA 31406-8524
JONES, CAROL D	7-0907A-02-011	22 TREADWAY ST, PORT WENTWORTH, GA 31407	22 TREADWAY ST, PORT WENTWORTH, GA 31407-9620
EDGE, MELISSA G	7-0907A-03-002	214 BLACK CREEK DR, PORT WENTWORTH, GA 31407	102 RILEY CT, SPRINGFIELD, GA 31329-4650
ROBINSON, CHARLES JEROME	7-0907A-03-003	112 BLACK CREEK DR, PORT WENTWORTH, GA 31407	112 BLACK CREEK RD, PORT WENTWORTH, GA 31407-9732
JAMES, WILLIAM T	7-0907A-07-010	22 PONDEROSA DR, PORT WENTWORTH, GA 31407	22 PONDEROSA DR, PORT WENTWORTH, GA 31407-9778
THORNTON, MICHAEL J P & THORNTON, KATHY W	7-0907A-07-017	11 TREADWAY ST, PORT WENTWORTH, GA 31407	11 TREADWAY ST, PORT WENTWORTH, GA 31407-9621
KIEF, COREY M	7-0907A-07-022	204 TREADWAY ST, PORT WENTWORTH, GA 31407	204 TREADWAY ST, PORT WENTWORTH, GA 31407-9638
HARDEN, HENRY & HARDEN, ELSIE	7-0976A-01-013	AUGUSTA RD, PORT WENTWORTH, GA 31407	7398 TOTTENHAM DR, WHITE PLAINS, MD 20695-4454
TABERNACLE OF FAITH MISSIONARY, & BAPTIST CHURCH (TE)	7-0976A-01-017	7419 HIGHWAY 21, PORT WENTWORTH, GA 31407	PO BOX 2028, RINCON, GA 31326-2028
MOSS REALTY & INVESTMENT INC	7-0907A-02-005	10 TREADWAY ST, PORT WENTWORTH, GA 31407	412 CLIFF DR, POOLER, GA 31322-1806
MOORE, LORRI A	7-0907A-07-009	20 PONDEROSA DR, PORT WENTWORTH, GA 31407	20 PONDEROSA DR, PORT WENTWORTH, GA 31407-9778
LANDING, MARY ELLEN	7-0907A-07-018	9 TREADWAY ST, PORT WENTWORTH, GA 31407	8 TREADWAY ST, PORT WENTWORTH, GA 31407-9620
BEP RH TRACT 2 LLC	7-0906-04-024	HIGHWAY 21, PORT WENTWORTH, GA 31407	100 LAKESIDE BLVD, PORT WENTWORTH, GA 31407-3391
WRIGHT, DEBORAH	7-0907A-02-001	2 TREADWAY ST, PORT WENTWORTH, GA 31407	2 TREADWAY ST, PORT WENTWORTH, GA 31407-9620
MACK, EVON	7-0907A-03-001	216 BLACK CREEK DR, PORT WENTWORTH, GA 31407	216 BLACK CREEK RD, PORT WENTWORTH, GA 31407-9628
MCBRYDE, WARREN RUSSELL	7-0907A-07-020	7 TREADWAY ST, PORT WENTWORTH, GA 31407	7 TREADWAY ST, PORT WENTWORTH, GA 31407-9621
FIELDSTONE GROUP LLC	7-0975-02-015	HIGHWAY 21, PORT WENTWORTH, GA 31407	204 WILEY BOTTOM RD, SAVANNAH, GA 31411-1537
VARNEDOE, SAM L	7-0976-02-035	SAUSSY RD, PORT WENTWORTH, GA 31407	PO BOX 2379, TYBEE ISLAND, GA 31328-2379
DEMPSEY, RONALD & WOODARD, LORRA	7-0976A-01-014	AUGUSTA RD, PORT WENTWORTH, GA 31407	105 SHUFF DR #, RED LION, PA 17356
HARDEN, JOHN L & HAWL, PRISCILLA	7-0976A-01-015	7411 HIGHWAY 21, PORT WENTWORTH, GA 31407	7411 GA HIGHWAY 21, PORT WENTWORTH, GA 31407-9717
HICKS, VIOLA	7-0976A-01-023	AUGUSTA RD, PORT WENTWORTH, GA 31407	8613 GATESHEAD RD, ALEXANDRIA, VA 22309-4018
KING, ALLISON	7-0907A-02-002	4 TREADWAY ST, PORT WENTWORTH, GA 31407	4 TREADWAY ST, PORT WENTWORTH, GA 31407-9620
SCRUGGS, NICHOLE L	7-0907A-07-011	24 PONDEROSA DR, PORT WENTWORTH, GA 31407	24 PONDEROSA DR, PORT WENTWORTH, GA 31407-9778
CHISHOLM, PAMELA R	7-0907A-07-013	19 TREADWAY ST, PORT WENTWORTH, GA 31407	19 TREADWAY ST, PORT WENTWORTH, GA 31407-9621
REED, PRISCILLA INDV & HARDEN, ANGELA	7-0976A-01-016	7413 HIGHWAY 21, PORT WENTWORTH, GA 31407	7411 GA HIGHWAY 21, PORT WENTWORTH, GA 31407-9717

Attachment: 7-0907-01-003 NOVARE GSP REVISION SEPT 2021 - Application (2507 : Site Plan Review

FIELDSTONE GROUP LLC
7-0975-02-015
204 WILEY BOTTOM RD
SAVANNAH, GA 31411-1537

VARNEDOE, SAM L
7-0976-02-035
PO BOX 2379 TYBEE
ISLAND, GA 31328-2379

BEP RH TRACT 2 LLC
7-0906-04-024
100 LAKESIDE BLVD PORT
WENTWORTH, GA 31407-3391

250' (TYP)

250' (TYP)

BRYANT, RICHARD
7-0976A-01-021
312 CHATHAM VILLA DR
GARDEN CITY, GA 31408-1912

JACKSON, BOSTICK
7-0976A-01-020
362 SAUSSY RD SAVANNAH, GA
31407-9639

HICKS, ALEXANDER
7-0976A-01-019
7425 GA HIGHWAY 21
PORT WENTWORTH, GA
31407-9717

HICKS, ALEXANDER
7-0976A-01-025
7425 GA HIGHWAY 21
PORT WENTWORTH, GA
31407-9717

HICKS, VIOLA
7-0976A-01-023
8613 GATESHEAD RD
ALEXANDRIA, VA
22309-4018

TABERNACLE OF FAITH
MISSIONARY, & BAPTIST
CHURCH (TE)
7-0976A-01-017
PO BOX 2028 RINCON,
GA 31326-2028

REED, PRISCILLA INDV
& HARDEN, ANGELA
7-0976A-01-016
7411 GA HIGHWAY 21
PORT WENTWORTH, GA
31407-9717

HARDEN, JOHN L &
HAWL, PRISCILLA
7-0976A-01-015
7411 GA HIGHWAY 21
PORT WENTWORTH, GA
31407-9717

DEMPSEY, RONALD &
WOODARD, LORRA
7-0976A-01-014
105 SHUFF DR # RED
LION, PA 17356

HARDEN, HENRY &
HARDEN, ELSIE
7-0976A-01-013
7398 TOTTENHAM DR
WHITE PLAINS, MD
20695-4454

BERRIEN, BESSIE
7-0976A-01-012
520 ACACIA ST
SAVANNAH, GA
31405-1929

CHURCH, RICHMOND B
7-0976B-01-017
AUGUSTA RD
PORT WENTWORTH, GA 31407

STATE HIGHWAY 21

WYLLY, JOHN C
7-0907-01-003
PO BOX 753 TYBEE
ISLAND, GA 31328-0753

WRIGHT, DEBORAH
7-0907A-02-001
2 TREADWAY ST
PORT WENTWORTH, GA
31407-962

KEREVEN, KATHERINE
7-0907A-02-002
4 TREADWAY ST
PORT WENTWORTH, GA
31407-9620

GOVEA, RAUL HUERTA
7-0907A-02-003
6 TREADWAY ST
PORT WENTWORTH, GA
31407-9620

LANDING, MARY ELLEN
7-0907A-02-004
8 TREADWAY ST
PORT WENTWORTH, GA
31407-9620

MOSS REALTY &
INVESTMENT INC
7-0907A-02-005
412 CLIFF DR
POOLER, GA
31322-1806

JOHNSTON, RANDY D
& JOHNSTON, TONI S
7-0907A-02-006
12 TREADWAY ST
PORT WENTWORTH, GA
31407-9620

GRANT, MICHAEL
7-0907A-02-007
14 TREADWAY ST
PORT WENTWORTH, GA
31407-9620

HOLT, TIMOTHY G
7-0907A-02-008
16 TREADWAY ST
PORT WENTWORTH, GA
31407-9620

9641 LEHIGH
AVENUE LLC
7-0907A-02-009
9641 LEHIGH AVE
SAVANNAH, GA
31406-8524

OTTO, JAMES PAUL
7-0907A-02-010
322 CONAWAY RD
BLOOMINGDALE, GA
31302-9203

JONES, CAROL D
7-0907A-02-011
22 TREADWAY ST
PORT WENTWORTH, GA
31407-9620

TREADWAY STREET

WOODLIEF, HOWARD
MACKLIN & LEE,
CHRISTOPHER
7-0907A-01-003
205 PROVIDENCE DR
PORT WENTWORTH, GA
31407-9793

MORGAN, JANICE L
7-0907A-01-002
203 PROVIDENCE DR
PORT WENTWORTH, GA
31407-9793

ATHE6 LLC
7-0907A-01-001
PO BOX 16134
SAVANNAH, GA
31416-2834

PROVIDENCE DRIVE

KIEF, COREY M
7-0907A-07-022
204 TREADWAY ST
PORT WENTWORTH, GA
31407-9638

BURGESS, WILLIAM J
7-0907A-07-021
3 TREADWAY ST
PORT WENTWORTH,
GA 31407-9621

MCBRYDE, WARREN
RUSSELL
7-0907A-07-020
7 TREADWAY ST PORT
WENTWORTH, GA
31407-9621

BRUNSON, JAMES S &
BRUNSON, CINDY
7-0907A-07-019
5 TREADWAY ST PORT
WENTWORTH, GA
31407-9621

LANDING, MARY
ELLEN
7-0907A-07-018
8 TREADWAY ST
PORT WENTWORTH,
GA 31407-9620

THORNTON, MICHAEL
J P & THORNTON,
KATHY W
7-0907A-07-017
11 TREADWAY ST
PORT WENTWORTH,
GA 31407-9621

SIMMONS, MARY
7-0907A-07-016
PO BOX 1705
SAVANNAH, GA
31402-1705

GALLETTA, JOHN
LANGDON
7-0907A-07-015
15 TREADWAY ST
PORT WENTWORTH, GA
31407-9621

SAVANNAH PROP
SALES & MGMT LLC
7-0907A-07-014
17 TREADWAY ST
PORT WENTWORTH, GA
31407-9621

CHISHOLM, PAMELA R
7-0907A-07-013
19 TREADWAY ST
PORT WENTWORTH, GA
31407-9621

VOGEL, BRIAN R
7-0907A-07-012
68 STAGECOACH RD
BLOOMINGDALE, GA
31302-5072

OSWELL, CHERYL A
7-0907A-07-001
4 PONDEROSA DR
PORT WENTWORTH, GA
31407-9778

OGLE, RICHARD BRIAN
7-0907A-07-002
907 NEASE RD
GUYTON, GA
31312-5947

SMITH, ROBERT S &
LECROY, FLORENCE
LOUISE
7-0907A-07-003
8 PONDEROSA DR
PORT WENTWORTH, GA
31407-9778

MOORE, LORRI A
7-0907A-07-009
20 PONDEROSA DR
PORT WENTWORTH, GA
31407-9778

JAMES, WILLIAM T
7-0907A-07-010
22 PONDEROSA DR
PORT WENTWORTH, GA
31407-9778

SCRUGGS, NICHOLE L
7-0907A-07-011
24 PONDEROSA DR
PORT WENTWORTH, GA
31407-9778

PONDEROSA DRIVE

BLACK CREEK DRIVE

MACK, EVON
7-0907A-03-001
216 BLACK CREEK RD PORT
WENTWORTH, GA
31407-9628

EDGE, MELISSA G
7-0907A-03-002
102 RILEY CT
SPRINGFIELD, GA
31329-4650

ROBINSON, CHARLES
JEROME
7-0907A-03-003
112 BLACK CREEK RD
PORT WENTWORTH, GA
31407-9732

BEP RICE HOPE LLC
7-0906-04-075
100 LAKESIDE BLVD PORT
WENTWORTH, GA 31407-3391

100 0 50 100 200 400
GRAPHIC SCALE: **1 INCH = 100 FEET**

PREPARED FOR:
NGI ACQUISITIONS, LLC

ADJACENT PROPERTY OWNERS EXHIBIT
WYLLY TRACT
PORT WENTWORTH, GEORGIA

April 12, 2021

THOMAS & HUTTON
50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300
www.thomasandhutton.com

This map illustrates a general plan of the development which is for discussion purposes only, does not limit or bind the owner/developer, and is subject to change and revision without prior written notice to the holder. Dimensions, boundaries and position locations are for illustrative purposes only and are subject to an accurate survey and property description.
COPYRIGHT © 2020 THOMAS & HUTTON

Attachment: 7-0907-01-003 NOVARE GSP REVISION SEPT 2021 - APO Map (2507 : Site Plan Review Application (General) 7-0907-01-003 Novare Revision)

Novare Multifamily Project
Wylly Tract – Port Wentworth, Georgia
Concept Plan Narrative
J-28595.0002

Attachment: 7-0907-01-003 NOVARE GSP REVISION SEPT 2021 - Project Narrative (2507 : Site Plan Review Application (General) 7-0907-01-003

Project Description and Existing Conditions

The project is located on the east side of Ga. Highway 21 (Augusta Road) in Port Wentworth, Georgia. The property is approximately 29.5 acres in size and is undeveloped. The site is bordered on the north and east by two undeveloped properties owned by Fieldstone Group, LLC and BEP RH Tract 2 LLC; on the south by Pine Forest Subdivision (single family residential); and on the west by Augusta Road (Ga. Highway 21). The site is approximately 1 mile west of Interstate 95. This narrative is based on the program information supplied by Novare Group and the Concept Plan documents by Dwell Design Studio. The development team includes:

Developer - Novare Group – Todd Andersen, Kenny Budd

Architect & Land Planning – Dwell Design Studio, Venky Babu

Civil Engineer/Landscape Architecture -Thomas & Hutton, Lamar Mercer, Scott Monson, Ryan Thompson

Legal Representative – Hunter McLean – Harold Yellin, Josh Yellin

The development plan includes 328 units contained in 13 three story garden style apartment buildings and 6 carriage style buildings. The unit count will provide 184 one bedroom, 132 two bedroom units, and 12 three bedroom units. The site also includes three storm water detention ponds, a pool/clubhouse amenity area, and ample open space (17.3 acres, approximately 59% of the project site). This site plan includes minor revisions to the previously approved plan:

The revisions include:

- Trash compactor/recycle bin added
- Two Carriage Buildings added, one garage building omitted. Four total units added.
- Gated Emergency only access added to Black Creek Drive
- Additional Greenspace added to parking field
- Pool/Amenity/Leasing facility refined.

Zoning

The subject site is zoned PRIP, Planned Residential Institutional, a zoning suitable for multifamily development

Novare Multifamily Project
Wylly Tract – Port Wentworth, Georgia
Concept Plan Narrative
J-28595.0002

with all relevant ancillary uses. This zoning district allows a density of 12 units per gross acre.

The zoning standards set forth in PRIP provide the following multifamily development standards:

- Minimum Front Yard setback is 70 feet from center of Street (Ga. Highway 21)
- Minimum Side Yard is 10 feet
- Rear Yard setback is 25 feet.
- Maximum Building Height is 50 feet.
- Maximum Building Coverage is 45%.

The site plan presented meets or exceeds all development standards.

Site Access

Access to the site is obtained through a private entry drive located along the project frontage. The Georgia Department of Transportation recently granted a temporary access point to the current property owner for the purposes of timbering the property. The permanent access will be designed and permitted at the same location as the temporary access.

Water and Sanitary Sewer

Water and sanitary sewer for the project will be provided by the City of Port Wentworth. Water distribution will be extended to the site from an existing 16” city main along the property’s northern border. Sanitary sewer will be collected on site through new gravity system, lift station and force main. Ultimate discharge will be to the City of Port Wentworth WWTF.

Drainage & Storm Sewer

The storm drainage system for the project will include detention ponds, pipe networks, curb and grate inlets to collect, detain, treat and convey storm water runoff according to Port Wentworth, state, and federal regulations. Following collection, treatment, and detention, stormwater runoff will be discharged to Black Creek to maintain existing predevelopment rates and drainage patterns.

Attachment: 7-0907-01-003 NOVARE GSP REVISION SEPT 2021 - Project Narrative (2507 : Site Plan Review Application (General) 7-0907-01-003

Project Timeline

7-0907-01-003 NOVARE GSP REVISION

Applicant : NGI Acquisitions, LLC (Engineer : T&H – Scott Munson)

- 8/13/2021 – Applicant received; incomplete – missing PDF, list of adjacent property owners
- 8/17/2021 – Received missing information
- 9/3/2021 – received revised plan

Attachment: 7-0907-01-003 NOVARE GSP REVISION SEPT 2021 - Timeline (2507 : Site Plan Review Application (General) 7-0907-01-003 Novare

Attachment: 7-0907-01-003 NOVARE GSP REVISION SEPT 2021 - Site Plan 9.3.21 (2507 : Site Plan Review Application (General)) 7-0907-01-003 Novare Revision)

Z:\JOBS\J28595\000\DWG\REVIT\J28595-0002 - SITE LAYOUT.DWG - Sep 3, 2021 - 9:29 AM

GRID NORTH, NAD83 (2011)
GEORGIA SPC, EAST ZONE

15' MAINTENANCE EASEMENT

15' MAINTENANCE EASEMENT

N/F
BEP RH TRACT I LLC.

ZONE AE (EL 13)

ZONE X(SHADED)

ZONE X

N/F
BEP RH TRACT 2, LLC
PIN: 70906 04024
DEED BOOK 794 PAGE 549

1637.18'

S 45°41'05" E

POND

BLDG 11 TYPE B

BLDG 10 TYPE C

BLDG 12 TYPE C

BLDG 9 TYPE D

BLDG 8 TYPE D

BLDG 13 TYPE C

BLDG 4 TYPE C

BLDG 1 TYPE C

BLDG 2 TYPE C

BLDG 3 TYPE C

BLDG 5 TYPE C

BLDG 6 TYPE C

BLDG 7 TYPE C

GARAGE TYPE I

CARRIAGE HOUSE TYPE I

PARK

DOG PARK

POND

POOL COURTYARD

CLUBHOUSE

MAIL RM

TRASH

GUEST ENTRY

UNDISTURBED BUFFER

4"X4" CMF

3"X3" CMF

1/2" IRF
3"X3" CMF

S 78°36'31" W
1061.54'

TREADWAY ST

4' CHAIN LINK FENCE

4' WIRE FENCE

WOOD SHED

PINE FOREST SUBDIVISION

PROVIDENCE DR

3"X3" CMF

3"X3" CMF

4' WOOD FENCE

R/W CMF

SITE EASEMENT

OVERHEAD POWER (APPROXIMATE LOCATION)

UNDERGROUND UGG (APPROXIMATE LOCATION)

S 18°16'26" E
320.00'
(TIE TO R/W OF PONDEROSA DRIVE)

N 802469.1958
E 955487.5856

16' W

16' W EXISTING 20' UTILITY EASEMENT

50' UNDISTURBED BUFFER

1/2" IRF

N/F
FIELDSTONE GROUP, LLC
PIN: 70975 02015
DEED BOOK 327-H PAGE 294

490.71'

N 77°29'26" E

N/F
DAVID MORRIS

FIBER OPTIC CABLE MARKER

GAS MARKER

R/W CMF

5/8" IRF

N 18°29'19" W
138.79'
(TIE TO R/W CMF)

N18°19'28"W
1556.62'

CMP

CIMH

GEORGIA HIGHWAY 21 R/W VARIES

5' RCP

24" RCP (DIRCTION ONLY)

15" RCP (DIRCTION ONLY)

MEDIAN

TOP OF BANK

16' W

30' UTILITY EASEMENT

N/F
SAM L. VARNEDOE JR

50' SEPCO EASEMENT

SITE DATA

BUILDINGS:
- 13 X 24 UNITS/ BLDG = 312 UNITS
- CARRIAGE BLDGS = 8 X 2 UNITS / BLDG = 16 UNITS

TOTAL: 328 UNITS

PARKING:

CARRIAGE HOUSE	- 8 X 4SP/BLDG = 32 SPACES
PARKING BLDG	- 4 X 6SP/BLDG = 24 SPACES
SURFACE	- 447 SPACES & 28 HANDICAP SP
LEASING	- 17 SPACES & 2 HANDICAP SP

TOTAL: 550 SPACES
1.68SP/DU

CONCEPT PLAN FOR NOVARE MULTIFAMILY

PORT WENTWORTH, GEORGIA

PREPARED FOR:

NGI INVESTMENT, INC.

PREPARED BY:

THOMAS & HUTTON
50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300
www.thomasandhutton.com

JOB NO:	J-28595.0002
DRAWN:	JBJ
REVIEWED:	SKM
DATE:	9/3/2021
SCALE:	1" = 60'
SHEET:	1 of 1

CITY OF PORT WENTWORTH

PLANNING COMMISSION

SEPTEMBER 13, 2021

Via Teleconference GoToMeeting | **Regular Meeting** | **6:30 PM**

7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407

1. CALL MEETING TO ORDER

Chairman CJ Neesmith called the meeting to order.

2. PRAYER AND PLEDGE OF ALLEGIANCE

Commissioner Bright led the Prayer and Pledge of Allegiance.

3. ROLL CALL - SECRETARY

Attendee Name	Title	Status	Arrived
Bill Herrin	Planning Commissioner	Present	
Rufus Bright	Planning Commissioner	Present	
Rosetta Franklin	Planning Commissioner	Present	
Wanda Rollf	Planning Commissioner	Present	
Lauree Morris	Planning Commissioner	Present	
CJ Neesmith	Planning Commissioner	Present	
Gabrielle Nelson	Planning Commissioner	Present	
Brian Harvey	Director of Development Services	Present	
Melanie Ellis	Building Inspector	Present	

4. APPROVAL OF AGENDA

1. Approval of Agenda

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Rosetta Franklin, Planning Commissioner
SECONDER:	Bill Herrin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

5. ADOPTION OF MINUTES

A. Planning Commission - Regular Meeting - Jul 12, 2021 6:30 PM

RESULT:	**ACCEPTED [UNANIMOUS]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Rosetta Franklin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

6. ZONING MAP AMENDMENTS (REZONING)

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2507 : Site Plan Review Application (General) 7-0907-01-003 Novare

A. Zoning Map Amendment Application submitted by Robert L. McCorkle, III., McCorkle, Johnson & McCoy, on behalf of Thomas Lee Exley for PIN # 7-0906-01-012 (Highway 21) to Rezone from R-A (Residential Agriculture) to P-R-M (Planned Residential Multifamily) Zoning District for the purpose of a Multi-Family Apartment Development

The applicant, Robert L. McCorkle III., was present and gave a brief overview of the project and offered to answer any questions the Commission may have. Commissioner Nelson asked if City services would be able to sustain all the new residential development, traffic concerns, and school overcrowding. Mr. McCorkle responded that they do not believe that their project will overburden the City and that this project would bring in more taxes that can assist the City in acquiring more staff to support the new growth. Commissioner Morris agreed with Commissioner Nelson and stated that the Developers should consider the concerns when submitting for site plan development and the reports that are included in those submittals for review by the City engineers.
Public Comments:
-Murray Marshal spoke in favor of the application.
After the public comment section was closed, Commissioner Morris made a motion to approve the application. Commissioner Nelson seconded the motion to approve. The vote was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Lauree Morris, Planning Commissioner
SECONDER:	Gabrielle Nelson, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

B. Zoning Map Amendment Application submitted by Marc Liverman, Atlantic Coast Consulting, Inc., on behalf of Drayton-Parker Companies, LLC., for PIN # 7-0035-01-010 (Highway 21) to Rezone from P-C-3 (Planned General Business) to P-I-1 (Planned Industrial) Zoning District for the purpose of a Truck / Chassis Storage Yard

The applicant, Marc Liverman, and Zach Riddle was present to represent the application. Marc Liverman gave a brief overview of the project and offered to answer any questions the Commission may have. Commissioner Nelson asked that this would be a hub instead of a in / out operation all day. Mr. Liverman responded that was correct and that most of the clients that would use this as an overflow yard and storage. Commissioner Herrin asked what the hours of operation would be. Zach Riddle responded that it should be normal business hours and weekends. Commission Bright asked to verify the location of this project. Commissioner Rollf asked about the flow of traffic of the trucks and how the trucks will be stopped from making left turns out of the driveway. Mr. Riddle responded that in the contract / lease agreement with the users the truck drivers will be required to follow all traffic laws. Commissioner Franklin asked if the trucks would use the road through Amazon parking lot and exit onto Crossgate Road. Mr. Riddle responded that the trucks would not be allowed on that road and that is Amazon only road. Commissioner Morris asked about the traffic flow for trucks making a U-Turn at the red-light at Crossgate Road and if the light timing has been researched. Mr. Liverman responded that in the traffic impact assessment did not show that this facility would impact that light and that any trucks turning left into the facility would use the existing curb cut on Highway 21. There were no public comments. Commissioner Herrin made a motion to approve the application. Commissioner Bright seconded the motion to approve. Commissioners Herrin, Bright, Franklin, Rollf, Nelson voted to approve. Commissioner Morris vote could not be heard due to technical issues.

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2507 : Site Plan Review Application (General) 7-0907-01-003 Novare

RESULT:	**APPROVED [5 TO 0]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Rufus Bright, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Nelson
AWAY:	Morris

7. ZONING TEXT AMENDMENTS (ORDINANCES)

8. SITE PLAN/SUBDIVISION APPROVAL

A. Site Plan Review Application submitted by NGI Acquisitions, LLC., on behalf of Tom Exley for PIN # 7-0907-01-003 (Highway 21) for a General Development Site Plan to allow a Multifamily Apartment Complex (Novare) in a P-RIP (Planned Residential Institutional) Zoning District

Scott Monson and Kenny Bud was present on behalf of the applicant. Mr. Monson gave an overview of the project and offered to answer any questions the Commission may have. Commissioner Herrin expressed traffic concerns on Highway 21 and how the traffic flow for the complex would be handled, what the value / rent would be for the homes, and if there would be a berm between the project and Pine Forest Subdivision. Mr. Monson responded that the entrance / exit would be approved by GDOT and there is a 50-foot vegetative buffer. Kenny Bud responded that the rent currently ranges between $1300-$1800.
Public Comments:
-Per Brian Harvey - Sylvia Hinley 1 Lanvale Street contacted the Development Services Office to inform that she is against the development.
After the public comment section was closed, Commissioner Rollf made a motion to Approved the application. Commissioner Bright seconded the motion to approve. Commissioners Bright, Rollf, Nelson voted Yes. Commissioners Herrin and Franklin voted No. Commissioner Morris vote could not be heard due to technical issues.

RESULT:	**APPROVED [3 TO 2]**
MOVER:	Wanda Rollf, Planning Commissioner
SECONDER:	Rufus Bright, Planning Commissioner
AYES:	Bright, Rollf, Nelson
NAYS:	Herrin, Franklin
AWAY:	Morris

B. Site Plan Review Application submitted by Ray Pittman, Pittman Engineering, on behalf of Third Lake Development, LLC., for PIN # 7-0906-04-091 (Rice Hope Rd) for a General Development Site Plan to allow a Multifamily Development (The Cottages at Rice Hope Plantation) in a M-P-O (Master Plan Overlay) Zoning District

The applicant, Ray Pittman, was present and gave a brief overview of the project and offered to answer any questions the commission may have. Scott DeCain was also present. Commissioner Nelson asked if City services would be able to sustain all the new residential development, traffic concerns, and school overcrowding. Mr. Pittman responded that the when the original master plan was developed all the infrastructure was took into account and that the overall amount of lots would be less than the original master plan allowed. Commissioner Bright asked about additional traffic lights and traffic concerns. Mr. Pittman stated that no traffic lights have been planned with the additional units due to that all of those concerns were addressed in the original master plan. Commissioner Rollf asked what the average number of cars per unit and if there was enough parking provided. Mr. Pittman responded that for this development there is a minimum of two parking spaces per unit. Commissioner Morris liked that this concept plan showed several areas of greenspace, and she believes the development will be very

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2507 : Site Plan Review Application (General) 7-0907-01-003 Novare

nice. Commissioner Rollf asked why these homes are for rent instead of building homes for purchase. Scott DeCain responded the Rice Hope community does have for-sale homes in future development plans.
Public Comments:
-Christine Stewart, 504 Rice Hope Plantation Road, spoke against the application due to traffic concerns and trash services.
-Madeline Quinones, 114 Parkside Blvd, spoke against the application due to traffic concerns, on-street parking, and emergency vehicle access.
-Cortrice Jackson, 305 Lakeside Blvd, spoke against the application due traffic, trash, internet capabilities.
-Gary Conway, 403 Lakeside Blvd, asked where the entrance for the plan was located.
After the public comment section was closed, Commissioner Bright made a motion to approve the application. Commissioner Rollf seconded the motion to approve. Commissioners Herrin, Bright, Franklin, Rollf, Nelson voted to approve. Commissioner Morris vote could not be heard due to technical issues.

RESULT:	**APPROVED [5 TO 0]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Wanda Rollf, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Nelson
AWAY:	Morris

C. Site Plan Review Application submitted by D.R. Horton on behalf of Bald Eagle Partners for PIN #'s 7-0906-04-041, 7-0906-04-042, 7-0906-04-054, 7-0906-04-063 (Lakeside Blvd) for a General Development Site Plan to allow a Residential Development (Lakeside Phases 20-30) in a M-P-O (Master Plan Overlay) Zoning District

Garrison Bryant was present on behalf of the applicant. Mr. Bryant gave a brief overview of the project and offered to answer any questions the commission may have. Commissioner Nelson asked to confirm that these homes were for purchase and not for rent. Chairman Neesmith stated that yes, they were for-sale homes. Commissioner Bright asked where these were located and if they were 3- or 4-bedroom homes. Mr. Bryant responded that they were off of Lakeside Blvd and there would be a variety of types of homes and that the majority would be for-sale and a small percentage would be for-rent.
Public Comments:
-Alfonso Ribot, 17 Wild Silk Way, asked if the HOA would be the same for the new development as the rest of Rice Hope. Mr. Decain responded that it has not been determined yet.
-Ponda Showalter, 313 Lakeside Blvd, asked what the traffic flow for the construction would be. Mr. Decain responded that he is not responsible for the construction traffic.
-Gary Conway, 403 Lakeside Blvd, asked if there would be any other access points other than Lakeside Blvd and Mulberry Blvd. Mr. DeCain responded no.
-Madeline Quinones, 114 Parkside Blvd, asked how many rentals and how many for-sale. Mr. DeCain responded about 25% for-rent and 75% for-sale.
After the public comment section was closed, Commissioner Bright voted to approve the application. Commissioner Morris seconded the motion to approve. The vote to approve was unanimous.

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2507 : Site Plan Review Application (General) 7-0907-01-003 Novare

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Lauree Morris, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

D. Site Plan Review Application submitted by Neil McKenzie, Coleman Company Inc., of behalf of LMS Real Estate Investment Management, LLC., for PIN # 7-0975-01-025 Tract B (Highway 21 / Jeffers Rd) for a Specific Development Site Plan to allow a Multi-Family Residential Development (LMS Cottages) in a P-R-M (Planned Residential Multifamily) Zoning District

The applicant, Neil McKenzie, was present. Mr. McKenzie gave an overview of the project and offered to answer any questions the Commission may have. Commissioner Bright asked which residents that they talked to about the project. Mr. McKenzie responded that there were two neighborhood meetings at the City Hall Council Chambers and both meetings were well attended. Commissioner Nelson asked about the Saussy Road improvements. Mr. McKenzie responded that the Developers would rebuild and widen Saussy Road up to the entrance of the development, which would include a dedicated right and left turn lane, and then they would mill and overlay Saussy Road up to Grant Road.
Public Comments:
-LaRay Benton, 135 Saussy Road, spoke against the applicant, stating stormwater and flooding concerns.
After the public comment section was closed, Commissioner Herrin made a motion to approve. Commissioner Rollf seconded the motion to approve. The vote to approve was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Wanda Rollf, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

E. Subdivision Application submitted by David Dowdy, Jackson Surveying, Inc., on behalf of Shay Anam, LLC., for a portion of PIN # 7-0037-02-004 (Magellan Blvd) located in a P-C-3 (Planned General Business) Zoning District for a Final Plat of a Minor Subdivision (Parcel 3, Former Broadman Tract) for the purpose of a Hotel Development

No one was present for the application. There were no public comments.
Commissioner Franklin made a motion to approve. Commissioner Nelson seconded the motion to approve. The vote was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rosetta Franklin, Planning Commissioner
SECONDER:	Gabrielle Nelson, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

F. Subdivision Application submitted by Ray Pittman, Pittman Engineering, Co., on behalf of Bald Eagle Partners for PIN # 7-0906-04-069 (Hickory Street) located in a M-P-O (Master Plan Overlay) Zoning District for a Preliminary Plat of a Major Subdivision (Parkside at Rice Hope Phases B & C) for the purpose of Single-Family Homes

The applicant, Ray Pittman, was present. Mr. Pittman gave a brief overview of the project and offered to answer any questions the Commission may have. There were no questions from the Commission.
Public Comments:

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2507 : Site Plan Review Application (General) 7-0907-01-003 Novare

-Madeline Quinones, 114 Parkside Blvd, asked who the builder was for these homes and spoke against the application. Mr. Pittman responded that he was not sure of who the builder was.
After the public comment section was closed, Commissioner Bright made a motion to approve the application. Commissioner Morris seconded the motion to approve. The vote to approve was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Lauree Morris, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

9. NEW BUSINESS

10. ADJOURNMENT

A. Adjournment

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Bill Herrin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

_____
Chairman

The foregoing minutes are true and correct and approved by me on this _____ day of _____, 2021.

_____
Secretary

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2507 : Site Plan Review Application (General) 7-0907-01-003 Novare

City Council
7224 GA Highway 21
Port Wentworth, GA 31407

SCHEDULED

Meeting: 09/23/21 12:00 AM
Department: Development Services
Category: Planning/Zoning Item
Prepared By: Melanie Ellis
Department Head: Brian Harvey

AGENDA ITEM (ID # 2506)

DOC ID: 2506

Site Plan Review Application submitted by Ray Pittman, Pittman Engineering, on behalf of Third Lake Development, LLC., for PIN # 7-0906-04-091 (Rice Hope Rd) for a General Development Site Plan to allow a Multifamily Development (The Cottages at Rice Hope Plantation) in a M-P-O (Master Plan Overlay) Zoning District

Issue/Item: Site Plan Review Application submitted by Ray Pittman, Pittman Engineering, on behalf of Third Lake Development, LLC., for PIN # 7-0906-04-091 (Rice Hope Rd) for a General Development Site Plan to allow a Multifamily Development (The Cottages at Rice Hope Plantation) in a M-P-O (Master Plan Overlay) Zoning District

Background: The subject property is currently vacant. There are no buildings or structures on the subject property.

Facts and Findings: This project is a general development plan for a single family for rent neighborhood. The project will consist of 90 one bedroom homes, 102 two bedroom homes, 117 two-story two bedroom homes, and 137 two-story three bedroom homes for a total of four hundred forty-six (446) homes, community center with amenities and all associated roads, drainage, water and sewer utilities, and parking.

Funding: N/A

Recommendation: The Planning Commission will hear this application on Monday, September 13, 2021 at 6:30 PM. **/ UPDATE: THE PLANNING COMMISSION VOTED UNANIMOUSLY TO APPROVE THE APPLICATION.**

ATTACHMENTS:

- 7-0906-04-091 COTTAGES AT RICE HOPE GSP SEPT 2021 - Application (PDF)
- 7-0906-04-091 COTTAGES AT RICE HOPE GSP SEPT 2021 - APO Map (PDF)
- 7-0906-04-091 COTTAGES AT RICE HOPE GSP SEPT 2021 - Site Plan (PDF)
- 7-0906-04-091 COTTAGES AT RICE HOPE GSP SEPT 2021 - Presentation (PDF)
- 7-0906-04-091 COTTAGES AT RICE HOPE GSP SEPT 2021 - Timeline (DOCX)
- Planning Commission Minutes September 13, 2021 DRAFT (PDF)

210312

RECEIVED
AUG 16 2021
BY: MBE

City of Port Wentworth
▪7224 Highway 21 ▪ Port Wentworth ▪ Georgia ▪ 31407 ▪ 912-999-2084

Site Plan Review Application

Site Plan Application is required for all new construction in a "P" or "MPO" zone as defined in the Zoning Ordinance of the City of Port Wentworth.

Site Plan Type (*Check One*): ☒ General / Concept ☐ Specific Development

Site Plan Address: 0 Rice Hope Rd

PIN #(s): 70906 04091

Zoning: M-P-O Estimated Cost of Construction: $ 30,000,000

Type of Construction: Wood Frame one story and 2 story, Detavhed and attached

Applicant's Name: Pittman Engineering c/o Raymond A. Pittman

Mailing Address: P.O. Box 822, Richmond Hill, GA 31324

Phone #: 912-662-4000 Email: ray@pittmanengineeringco.com

Owner's Name (If Different form Applicant): Third Lake Development, LLC c/o Bob Hogan

Mailing Address: 1600 E Eighth Avenue Suite A132-A, Tampa, Fl 33605

Phone #: 704-201-1922 Email: RHogan@thirdlakedevelopment.com

I hereby acknowledge that the above information is true and correct.

Raymond Pittman — Applicant's Signature — 7/23/2021 — Date

Robert Hogan — Owner's Signature (If Different form Applicant) — 7/22/21 — Date

Please see page 2 for required submittal checklist

Updated 4/28/2020

Attachment: 7-0906-04-091 COTTAGES AT RICE HOPE GSP SEPT 2021 - Application (2506 : Site Plan Review Application (General) 7-0906-04-

City of Port Wentworth
▪7224 Highway 21 ▪ Port Wentworth ▪ Georgia ▪ 31407 ▪ 912-999-2084

Site Plan Review Application Submittal Checklist

Documentation below is required for a complete submittal.

- ☒ Signed and Completed Application
- ☒ 3 Full size sets of site plan civil drawings or concept plan (depending on type of site plan)
- ☒ 15 half size (11" X 17") sets of site plan civil drawings or concept plan (depending on type of site plan)
- ☐ 2 copies of hydrology reports (if applicable)
- ☒ Names, mailing address, and PIN number of all property owners within 250 feet of all property lines
- ☒ 1 8 ½" X 11" of site plan civil drawings or concept plan (depending on type of site plan)
- ☒ PDF of entire submittal (either flash drive or CD)
- ☐ Other Engineering details or reports may be required once submittal has been received
- ☒ Site plan review fee check
  - No Land Disturbance- $206.00 Site Plan Fee + $50.00 Admin Fee = Total $256.00
  - With Land Disturbance - $836.00 Site Plan Fee + $50.00 Admin Fee = Total $886.00

Additional Fee Statement: If engineer review cost to the City exceeds the site plan review fee that is paid at the time of initial application submittal, you may be required to pay additional review cost.

I have read and agree to the above additional fee statement

Ray [signature] 8/12/2021

Applicant's Signature Date

Updated 4/28/2020

Attachment: 7-0906-04-091 COTTAGES AT RICE HOPE GSP SEPT 2021 - Application (2506 : Site Plan Review Application (General) 7-0906-04-

CITY OF PORT WENTWORTH
(912) 964-4379

REC#: 00324153 8/19/2021 3:09 PM
OPER: ME TERM: 011
REF#: CK 2189

TRAN: 112.0000 BLDG PERMIT
210312 256.00CR
THIRD LAKE DEVELOPMENT, LLC
7-0906-04-091
DEV-SPR 256.00CR

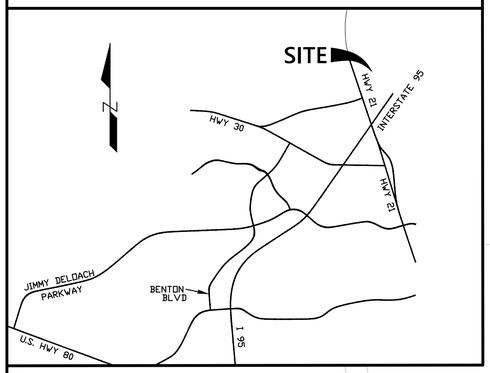
TENDERED: 256.00 CHECK
APPLIED: 256.00-

CHANGE: 0.00

WWW.CITYOFPORTWENTWORTH.COM

Attachment: 7-0906-04-091 COTTAGES AT RICE HOPE GSP SEPT 2021 - Application (2506 : Site Plan Review Application (General) 7-0906-04-

PROJECT LOCATION MAP



ADJACENT PROPERTY OWNER LABEL (TYPICAL)

PROJECT AREA

PARCEL A-1
46.39 ACRES

PARCEL A-2
6.01 ACRES

TOTAL PARCEL A-1 AND PARCEL A-2
52.40 ACRES

Owner Name	Mailing Address	PIN #	#
Clayton Properties Group, INC.	10 Wild Silk Way	70906D03001	1
Sheldon D Barnes & Chelsey Alexandria Snell	12 Wild Silk Way	70906D03002	2
Rice Hope Plantation Community	Wild Silk Way	70906D03003	3
Clayton Properties Group, INC.	14 Wild SilkWay	70906D03004	4
Rosena G. Best	16 Wild Silk Way	70906D03005	5
Derrick Butler	18 Wild Silk Way	70906D03006	6
Piyushkumar Hasmmukhrai Bhatt	20 Wild Silk Way	70906D03007	7
Clayton Properties Group, INC.	22 Wild Silk Way	70906D03008	8
Clayton Properties Group, INC.	24 Wild Silk Way	70906D03009	9
Clayton Properties Group, INC.	26 Wild Silk Way	70906D03010	10
Clayton Properties Group, INC.	28 Wild Silk Way	70906D03011	11
Rice Hope Plantation Community	Wild Silk Way	70906D03012	12
Clayton Properties Group, INC.	30 Wild Silk Way	70906D03013	13
Clayton Properties Group, INC.	32 Wild Silk Way	70906D03014	14
Clayton Properties Group, INC.	34 Wild Silk Way	70906D03015	15
BEP EH TRACT 2 LLC C/O HIGHBROOK INVESTORS	0 Rice Hope Rd	70906 04091	16
Harry Jack Stewart	502 Rice Hope Plantation Rd	70906 03023	17
Staci S Matthews	507 Rice Hope Plantation Rd	70906 04001	18
BEP EH TRACT 2 LLC	Mulberry Ave	70906 04063	19
John E Hill	Rice Hope Rd	70906 04012	20
BEP RH TRACT 2 LLC	Rice Hope Rd	70906 04011	21

REV.	REVISIONS	BY	DATE

Pittman Engineering Co., LLC
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

ADJACENT PROPERTY OWNERS EXHIBIT

RICE HOPE 52 ACRES TRACT
CITY OF PORT WENTWORTH, GEORGIA

Prepared For
THIRD LAKE DEVELOPMENT, LLC

Project No.	2021-TL
Drawn By:	JMGL
Designed By:	JMGL
Checked By:	JMGL
Scale:	1"=100'
Date:	7/28/21

SHEET
EX

Attachment: 7-0906-04-091 COTTAGES AT RICE HOPE GSP SEPT 2021 - APO Map (2506 : Site Plan Review Application (General) 7-0906-04-091 Cottages at Rice Hope)

Owner Name	Mailing Address	PIN #	#
Clayton Properties Group, INC.	10 Wild Silk Way, Port Wentworth GA, 31407	70906D03001	1
Sheldon D Barnes & Chelsey Alexandria Snell	12 Wild Silk Way, Port Wentworth GA, 31407	70906D03002	2
Rice Hope Plantation Community	Wild Silk Way, Port Wentworth GA, 31407	70906D03003	3
Clayton Properties Group, INC.	14 Wild SilkWay, Port Wentworth GA, 31407	70906D03004	4
Rosena G. Best	16 Wild Silk Way, Port Wentworth GA, 31407	70906D03005	5
Derrick Butler	18 Wild Silk Way, Port Wentworth GA, 31407	70906D03006	6
Piyushkumar Hasmmukhrai Bhatt	20 Wild Silk Way, Port Wentworth GA, 31407	70906D03007	7
Clayton Properties Group, INC.	22 Wild Silk Way, Port Wentworth GA, 31407	70906D03008	8
Clayton Properties Group, INC.	24 Wild Silk Way, Port Wentworth GA, 31407	70906D03009	9
Clayton Properties Group, INC.	26 Wild Silk Way, Port Wentworth GA, 31407	70906D03010	10
Clayton Properties Group, INC.	28 Wild Silk Way, Port Wentworth GA, 31407	70906D03011	11
Rice Hope Plantation Community	Wild Silk Way, Port Wentworth GA, 31407	70906D03012	12
Clayton Properties Group, INC.	30 Wild Silk Way, Port Wentworth GA, 31407	70906D03013	13
Clayton Properties Group, INC.	32 Wild Silk Way, Port Wentworth GA, 31407	70906D03014	14
Clayton Properties Group, INC.	34 Wild Silk Way, Port Wentworth GA, 31407	70906D03015	15
BEP EH TRACT 2 LLC C/O HIGHBROOK INVESTORS	0 Rice Hope Rd, Port Wentworth GA, 31407	70906 04091	16
Harry Jack Stewart	502 Rice Hope Plantation Rd, Port Wentworth GA, 31407	70906 03023	17
Staci S Matthews	507 Rice Hope Plantation Rd, Port Wentworth GA, 31407	70906 04001	18
BEP EH TRACT 2 LLC	Mulberry Ave, Port Wentworth GA, 31407	70906 04063	19
John E Hill	Rice Hope Rd, Port Wentworth GA, 31407	70906 04012	20
BEP RH TRACT 2 LLC	Rice Hope Rd, Port Wentworth GA, 31407	70906 04011	21

Attachment: 7-0906-04-091 COTTAGES AT RICE HOPE GSP SEPT 2021 - APO Map (2506 : Site Plan

FUTURE DEVELOPMENT

1 Bedroom Single Family Homes	90 units (20.18%)
2 Bedroom Single Family Homes	102 units (22.87%)
2 Bedroom Single Family Homes - 2 Story	117 units (26.33%)
3 Bedroom Single Family Homes - 2 Story	137 units (30.72%)
Total Number of Units	446 units
Parcel Acreage	52.4 acres
Density	8.51 units/acre

North

0' 50' 100' 200'

Third Lake Development
Charlotte, North Carolina

THE COTTAGES at RICE HOPE PLANTATION

Port Wentworth, Georgia

BSB DESIGN
BSBDESIGN.COM

The drawings presented are illustrative of character and design intent only, and are subject to change based upon final design considerations (i.e. applicable codes and structural design requirements, etc.) © 2018 BSB Design, Inc.

August 13, 2021

Attachment: 7-0906-04-091 COTTAGES AT RICE HOPE GSP SEPT 2021 - Site Plan (2506 : Site Plan Review Application (General) 7-0906-04-091 Cottages at Rice Hope)

CONCEPT PLAN APPROVAL

City Council Work Session Ite

August 11, 2021

Attachment: 7-0906-04-091 COTTAGES AT RICE HOPE GSP SEPT 2021 - Presentation

THIRD LAKE DEVELOPMENT – *THE COTTAGES AT RICE HOPE PLANTATION*

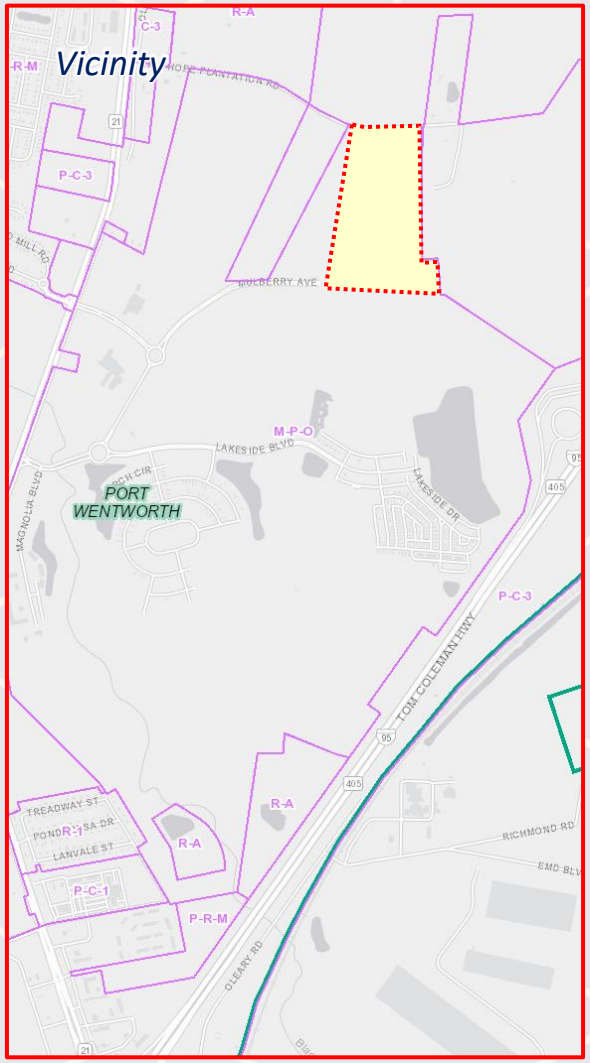
Definition of Purpose

Purpose:
Review and approval for the filing of Concept Plan for The Cottages at Rice Hope Plantation. A horizontal apartment community.

Attachment: 7-0906-04-091 COTTAGES AT RICE HOPE GSP SEPT 2021 - Presentation

THIRD LAKE DEVELOPMENT – *THE COTTAGES AT RICE HOPE PLANTATION*

Aerial and Vicinity Maps



Attachment: 7-0906-04-091 COTTAGES AT RICE HOPE GSP SEPT 2021 - Presentation

THIRD LAKE DEVELOPMENT – *THE COTTAGES AT RICE HOPE PLANTATION*

Definition of Site

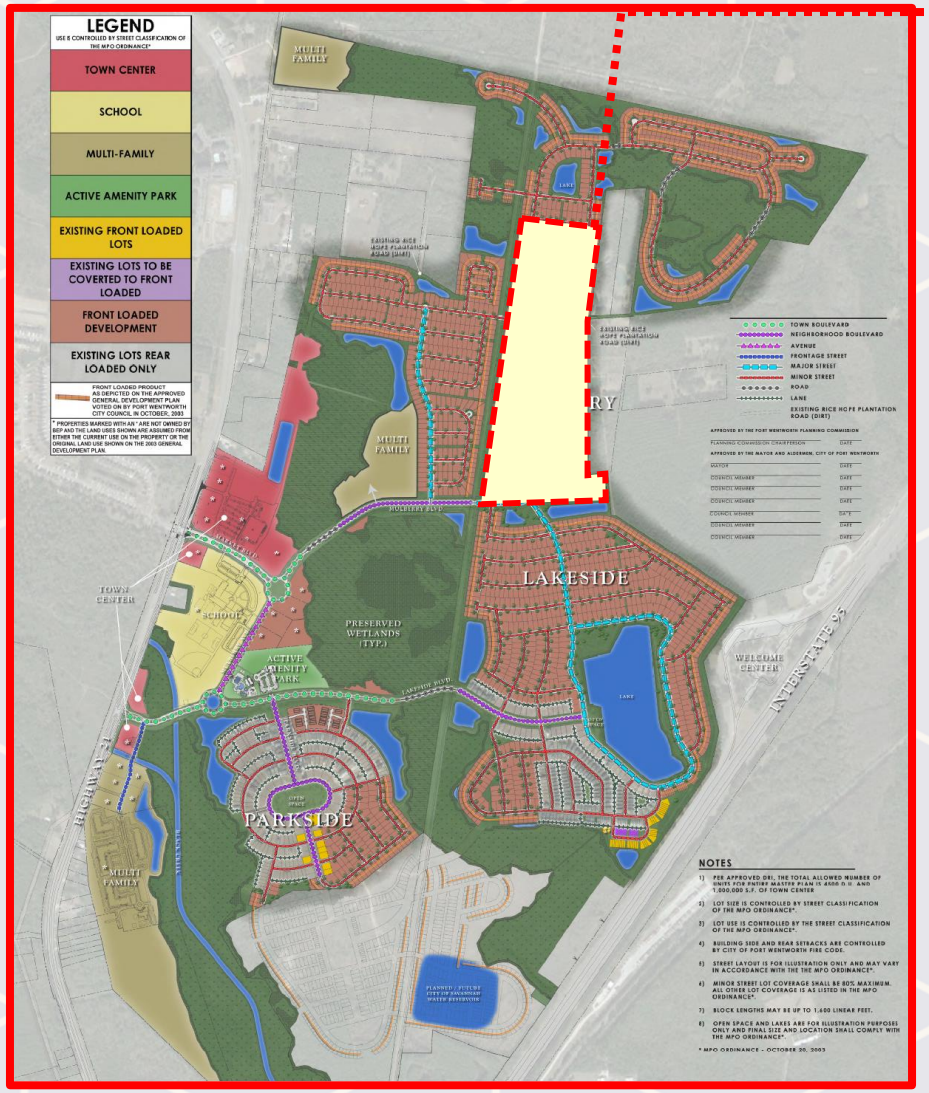
SITE DETAIL

- 52.40 Acres
- Existing MPO supports Multi-Family development
- Proposed density of 8.5 units per acre
- Community Center, health club, resort style pool, dog park, car wash area and outdoor fireplace with lounge space.
- Green space for outdoor activities
- Fenced in back yards

Attachment: 7-0906-04-091 COTTAGES AT RICE HOPE GSP SEPT 2021 - Presentation

THIRD LAKE DEVELOPMENT – *THE COTTAGES AT RICE HOPE PLANTATION*

Unit Mix Details



UNIT MIX

PHASE 1

330 Units

1-Bed Ranch B:	66
2-Bed Ranch A:	83
2-Bed, 2-Story:	82
3-Bed, 2-Story:	99

PHASE 2

116 Units

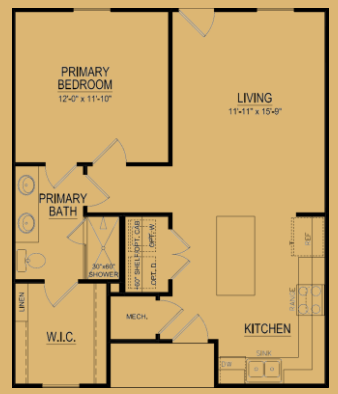
1-Bed Ranch B:	24
2-Bed Ranch A:	29
2-Bed, 2-Story:	29
3-Bed, 2-Story:	34

Attachment: 7-0906-04-091 COTTAGES AT RICE HOPE GSP SEPT 2021 - Presentation

THIRD LAKE DEVELOPMENT – *THE COTTAGES AT RICE HOPE PLANTATION*

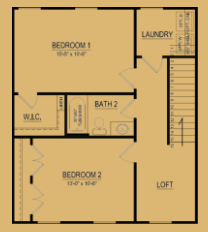
Renderings and Floor Plans

First Story

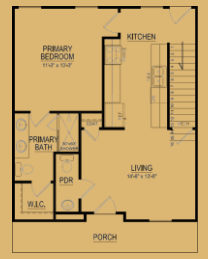


Ranch “B”

Second Story

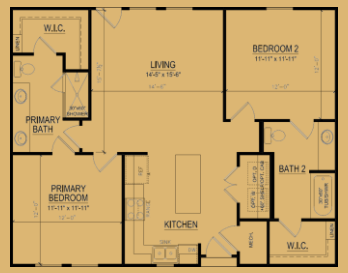


First Story



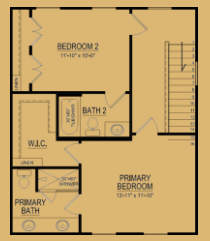
2-Story “A”

First Story

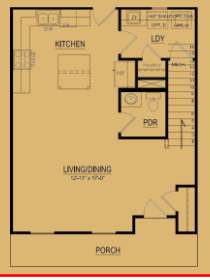


Ranch “A”

Second Story



First Story



2-Story “B”

Attachment: 7-0906-04-091 COTTAGES AT RICE HOPE GSP SEPT 2021 - Presentation

THIRD LAKE DEVELOPMENT – *THE COTTAGES AT RICE HOPE PLANTATION*

Standard Modifications

Front Setback:	15’
Side Setback:	10’ (space between buildings)
Rear Setback:	25’ (space between buildings)
Spacing Front-to-Front:	18’
Parking:	2 per unit

Attachment: 7-0906-04-091 COTTAGES AT RICE HOPE GSP SEPT 2021 - Presentation

THIRD LAKE DEVELOPMENT – *THE COTTAGES AT RICE HOPE PLANTATION*

Discussion and Feed

- Opportunity for a unique Multifamily experience where we offer backyards instead of Balconies
- Wide range of rent rates to help solve affordability issues in the housing market
- Create a Sense of Community while increasing residents' privacy with fenced in back yards
- Increase tax basis while adding value to an existing Master planned community

- Feedback

Attachment: 7-0906-04-091 COTTAGES AT RICE HOPE GSP SEPT 2021 - Presentation

Project Timeline

7-0906-04-091 COTTAGES AT RICE HOPE G-SITE PLAN

Project Number 210312

Applicant: Ray Pittman, Pittman Engineering

- 8/16/2021 – Application received; complete

Attachment: 7-0906-04-091 COTTAGES AT RICE HOPE GSP SEPT 2021 - Timeline (2506 : Site Plan Review Application (General) 7-0906-04-091

CITY OF PORT WENTWORTH

PLANNING COMMISSION

SEPTEMBER 13, 2021

Via Teleconference GoToMeeting | **Regular Meeting** | **6:30 PM**

7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407

1. CALL MEETING TO ORDER

Chairman CJ Neesmith called the meeting to order.

2. PRAYER AND PLEDGE OF ALLEGIANCE

Commissioner Bright led the Prayer and Pledge of Allegiance.

3. ROLL CALL - SECRETARY

Attendee Name	Title	Status	Arrived
Bill Herrin	Planning Commissioner	Present	
Rufus Bright	Planning Commissioner	Present	
Rosetta Franklin	Planning Commissioner	Present	
Wanda Rollf	Planning Commissioner	Present	
Lauree Morris	Planning Commissioner	Present	
CJ Neesmith	Planning Commissioner	Present	
Gabrielle Nelson	Planning Commissioner	Present	
Brian Harvey	Director of Development Services	Present	
Melanie Ellis	Building Inspector	Present	

4. APPROVAL OF AGENDA

1. Approval of Agenda

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Rosetta Franklin, Planning Commissioner
SECONDER:	Bill Herrin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

5. ADOPTION OF MINUTES

A. Planning Commission - Regular Meeting - Jul 12, 2021 6:30 PM

RESULT:	**ACCEPTED [UNANIMOUS]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Rosetta Franklin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

6. ZONING MAP AMENDMENTS (REZONING)

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2506 : Site Plan Review Application (General) 7-0906-04-091 Cottages

A. Zoning Map Amendment Application submitted by Robert L. McCorkle, III., McCorkle, Johnson & McCoy, on behalf of Thomas Lee Exley for PIN # 7-0906-01-012 (Highway 21) to Rezone from R-A (Residential Agriculture) to P-R-M (Planned Residential Multifamily) Zoning District for the purpose of a Multi-Family Apartment Development

The applicant, Robert L. McCorkle III., was present and gave a brief overview of the project and offered to answer any questions the Commission may have. Commissioner Nelson asked if City services would be able to sustain all the new residential development, traffic concerns, and school overcrowding. Mr. McCorkle responded that they do not believe that their project will overburden the City and that this project would bring in more taxes that can assist the City in acquiring more staff to support the new growth. Commissioner Morris agreed with Commissioner Nelson and stated that the Developers should consider the concerns when submitting for site plan development and the reports that are included in those submittals for review by the City engineers.
Public Comments:
-Murray Marshal spoke in favor of the application.
After the public comment section was closed, Commissioner Morris made a motion to approve the application. Commissioner Nelson seconded the motion to approve. The vote was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Lauree Morris, Planning Commissioner
SECONDER:	Gabrielle Nelson, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

B. Zoning Map Amendment Application submitted by Marc Liverman, Atlantic Coast Consulting, Inc., on behalf of Drayton-Parker Companies, LLC., for PIN # 7-0035-01-010 (Highway 21) to Rezone from P-C-3 (Planned General Business) to P-I-1 (Planned Industrial) Zoning District for the purpose of a Truck / Chassis Storage Yard

The applicant, Marc Liverman, and Zach Riddle was present to represent the application. Marc Liverman gave a brief overview of the project and offered to answer any questions the Commission may have. Commissioner Nelson asked that this would be a hub instead of a in / out operation all day. Mr. Liverman responded that was correct and that most of the clients that would use this as an overflow yard and storage. Commissioner Herrin asked what the hours of operation would be. Zach Riddle responded that it should be normal business hours and weekends. Commission Bright asked to verify the location of this project. Commissioner Rollf asked about the flow of traffic of the trucks and how the trucks will be stopped from making left turns out of the driveway. Mr. Riddle responded that in the contract / lease agreement with the users the truck drivers will be required to follow all traffic laws. Commissioner Franklin asked if the trucks would use the road through Amazon parking lot and exit onto Crossgate Road. Mr. Riddle responded that the trucks would not be allowed on that road and that is Amazon only road. Commissioner Morris asked about the traffic flow for trucks making a U-Turn at the red-light at Crossgate Road and if the light timing has been researched. Mr. Liverman responded that in the traffic impact assessment did not show that this facility would impact that light and that any trucks turning left into the facility would use the existing curb cut on Highway 21. There were no public comments. Commissioner Herrin made a motion to approve the application. Commissioner Bright seconded the motion to approve. Commissioners Herrin, Bright, Franklin, Rollf, Nelson voted to approve. Commissioner Morris vote could not be heard due to technical issues.

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2506 : Site Plan Review Application (General) 7-0906-04-091 Cottages

RESULT:	**APPROVED [5 TO 0]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Rufus Bright, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Nelson
AWAY:	Morris

7. ZONING TEXT AMENDMENTS (ORDINANCES)

8. SITE PLAN/SUBDIVISION APPROVAL

A. Site Plan Review Application submitted by NGI Acquisitions, LLC., on behalf of Tom Exley for PIN # 7-0907-01-003 (Highway 21) for a General Development Site Plan to allow a Multifamily Apartment Complex (Novare) in a P-RIP (Planned Residential Institutional) Zoning District

Scott Monson and Kenny Bud was present on behalf of the applicant. Mr. Monson gave an overview of the project and offered to answer any questions the Commission may have. Commissioner Herrin expressed traffic concerns on Highway 21 and how the traffic flow for the complex would be handled, what the value / rent would be for the homes, and if there would be a berm between the project and Pine Forest Subdivision. Mr. Monson responded that the entrance / exit would be approved by GDOT and there is a 50-foot vegetative buffer. Kenny Bud responded that the rent currently ranges between $1300-$1800.
Public Comments:
-Per Brian Harvey - Sylvia Hinley 1 Lanvale Street contacted the Development Services Office to inform that she is against the development.
After the public comment section was closed, Commissioner Rollf made a motion to Approved the application. Commissioner Bright seconded the motion to approve. Commissioners Bright, Rollf, Nelson voted Yes. Commissioners Herrin and Franklin voted No. Commissioner Morris vote could not be heard due to technical issues.

RESULT:	**APPROVED [3 TO 2]**
MOVER:	Wanda Rollf, Planning Commissioner
SECONDER:	Rufus Bright, Planning Commissioner
AYES:	Bright, Rollf, Nelson
NAYS:	Herrin, Franklin
AWAY:	Morris

B. Site Plan Review Application submitted by Ray Pittman, Pittman Engineering, on behalf of Third Lake Development, LLC., for PIN # 7-0906-04-091 (Rice Hope Rd) for a General Development Site Plan to allow a Multifamily Development (The Cottages at Rice Hope Plantation) in a M-P-O (Master Plan Overlay) Zoning District

The applicant, Ray Pittman, was present and gave a brief overview of the project and offered to answer any questions the commission may have. Scott DeCain was also present. Commissioner Nelson asked if City services would be able to sustain all the new residential development, traffic concerns, and school overcrowding. Mr. Pittman responded that the when the original master plan was developed all the infrastructure was took into account and that the overall amount of lots would be less than the original master plan allowed. Commissioner Bright asked about additional traffic lights and traffic concerns. Mr. Pittman stated that no traffic lights have been planned with the additional units due to that all of those concerns were addressed in the original master plan. Commissioner Rollf asked what the average number of cars per unit and if there was enough parking provided. Mr. Pittman responded that for this development there is a minimum of two parking spaces per unit. Commissioner Morris liked that this concept plan showed several areas of greenspace, and she believes the development will be very

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2506 : Site Plan Review Application (General) 7-0906-04-091 Cottages

nice. Commissioner Rollf asked why these homes are for rent instead of building homes for purchase. Scott DeCain responded the Rice Hope community does have for-sale homes in future development plans.
Public Comments:
-Christine Stewart, 504 Rice Hope Plantation Road, spoke against the application due to traffic concerns and trash services.
-Madeline Quinones, 114 Parkside Blvd, spoke against the application due to traffic concerns, on-street parking, and emergency vehicle access.
-Cortrice Jackson, 305 Lakeside Blvd, spoke against the application due traffic, trash, internet capabilities.
-Gary Conway, 403 Lakeside Blvd, asked where the entrance for the plan was located.
After the public comment section was closed, Commissioner Bright made a motion to approve the application. Commissioner Rollf seconded the motion to approve. Commissioners Herrin, Bright, Franklin, Rollf, Nelson voted to approve. Commissioner Morris vote could not be heard due to technical issues.

RESULT:	**APPROVED [5 TO 0]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Wanda Rollf, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Nelson
AWAY:	Morris

C. Site Plan Review Application submitted by D.R. Horton on behalf of Bald Eagle Partners for PIN #'s 7-0906-04-041, 7-0906-04-042, 7-0906-04-054, 7-0906-04-063 (Lakeside Blvd) for a General Development Site Plan to allow a Residential Development (Lakeside Phases 20-30) in a M-P-O (Master Plan Overlay) Zoning District

Garrison Bryant was present on behalf of the applicant. Mr. Bryant gave a brief overview of the project and offered to answer any questions the commission may have. Commissioner Nelson asked to confirm that these homes were for purchase and not for rent. Chairman Neesmith stated that yes, they were for-sale homes. Commissioner Bright asked where these were located and if they were 3- or 4-bedroom homes. Mr. Bryant responded that they were off of Lakeside Blvd and there would be a variety of types of homes and that the majority would be for-sale and a small percentage would be for-rent.
Public Comments:
-Alfonso Ribot, 17 Wild Silk Way, asked if the HOA would be the same for the new development as the rest of Rice Hope. Mr. Decain responded that it has not been determined yet.
-Ponda Showalter, 313 Lakeside Blvd, asked what the traffic flow for the construction would be. Mr. Decain responded that he is not responsible for the construction traffic.
-Gary Conway, 403 Lakeside Blvd, asked if there would be any other access points other than Lakeside Blvd and Mulberry Blvd. Mr. DeCain responded no.
-Madeline Quinones, 114 Parkside Blvd, asked how many rentals and how many for-sale. Mr. DeCain responded about 25% for-rent and 75% for-sale.
After the public comment section was closed, Commissioner Bright voted to approve the application. Commissioner Morris seconded the motion to approve. The vote to approve was unanimous.

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2506 : Site Plan Review Application (General) 7-0906-04-091 Cottages

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Lauree Morris, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

D. Site Plan Review Application submitted by Neil McKenzie, Coleman Company Inc., of behalf of LMS Real Estate Investment Management, LLC., for PIN # 7-0975-01-025 Tract B (Highway 21 / Jeffers Rd) for a Specific Development Site Plan to allow a Multi-Family Residential Development (LMS Cottages) in a P-R-M (Planned Residential Multifamily) Zoning District

The applicant, Neil McKenzie, was present. Mr. McKenzie gave an overview of the project and offered to answer any questions the Commission may have. Commissioner Bright asked which residents that they talked to about the project. Mr. McKenzie responded that there were two neighborhood meetings at the City Hall Council Chambers and both meetings were well attended. Commissioner Nelson asked about the Saussy Road improvements. Mr. McKenzie responded that the Developers would rebuild and widen Saussy Road up to the entrance of the development, which would include a dedicated right and left turn lane, and then they would mill and overlay Saussy Road up to Grant Road.
Public Comments:
-LaRay Benton, 135 Saussy Road, spoke against the applicant, stating stormwater and flooding concerns.
After the public comment section was closed, Commissioner Herrin made a motion to approve. Commissioner Rollf seconded the motion to approve. The vote to approve was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Wanda Rollf, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

E. Subdivision Application submitted by David Dowdy, Jackson Surveying, Inc., on behalf of Shay Anam, LLC., for a portion of PIN # 7-0037-02-004 (Magellan Blvd) located in a P-C-3 (Planned General Business) Zoning District for a Final Plat of a Minor Subdivision (Parcel 3, Former Broadman Tract) for the purpose of a Hotel Development

No one was present for the application. There were no public comments.
Commissioner Franklin made a motion to approve. Commissioner Nelson seconded the motion to approve. The vote was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rosetta Franklin, Planning Commissioner
SECONDER:	Gabrielle Nelson, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

F. Subdivision Application submitted by Ray Pittman, Pittman Engineering, Co., on behalf of Bald Eagle Partners for PIN # 7-0906-04-069 (Hickory Street) located in a M-P-O (Master Plan Overlay) Zoning District for a Preliminary Plat of a Major Subdivision (Parkside at Rice Hope Phases B & C) for the purpose of Single-Family Homes

The applicant, Ray Pittman, was present. Mr. Pittman gave a brief overview of the project and offered to answer any questions the Commission may have. There were no questions from the Commission.
Public Comments:

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2506 : Site Plan Review Application (General) 7-0906-04-091 Cottages

-Madeline Quinones, 114 Parkside Blvd, asked who the builder was for these homes and spoke against the application. Mr. Pittman responded that he was not sure of who the builder was.
After the public comment section was closed, Commissioner Bright made a motion to approve the application. Commissioner Morris seconded the motion to approve. The vote to approve was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Lauree Morris, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

9. NEW BUSINESS

10. ADJOURNMENT

A. Adjournment

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Bill Herrin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

_____
Chairman

The foregoing minutes are true and correct and approved by me on this _____ day of _____, 2021.

_____
Secretary

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2506 : Site Plan Review Application (General) 7-0906-04-091 Cottages

City Council
7224 GA Highway 21
Port Wentworth, GA 31407

SCHEDULED

Meeting: 09/23/21 12:00 AM
Department: Development Services
Category: Planning/Zoning Item
Prepared By: Melanie Ellis
Department Head: Brian Harvey

AGENDA ITEM (ID # 2508)

DOC ID: 2508

Site Plan Review Application submitted by D.R. Horton on behalf of Bald Eagle Partners for PIN #'s 7-0906-04-041, 7-0906-04-042, 7-0906-04-054, 7-0906-04-063 (Lakeside Blvd) for a General Development Site Plan to allow a Residential Development (Lakeside Phases 20-30) in a M-P-O (Master Plan Overlay) Zoning District

Issue/Item: Site Plan Review Application submitted by D.R. Horton on behalf of Bald Eagle Partners for PIN #'s 7-0906-04-041, 7-0906-04-042, 7-0906-04-054, 7-0906-04-063 (Lakeside Blvd) for a General Development Site Plan to allow a Residential Development (Lakeside Phases 20-30) in a M-P-O (Master Plan Overlay) Zoning District

Background: The subject property is currently vacant. There are no buildings or structures on the subject property.

Facts and Findings: This project is a general development plan for a Phases 20-30 of Lakeside at Rice Hope subdivision. The phases will consist of a total of 652 dwelling units. The phases will be a mix of single family detached homes, townhomes and build to rent homes and all associated roads, drainage, water and sewer utilities, and parking.

Funding: N/A

Recommendation: The Planning Commission will hear this application on Monday, September 13, 2021 at 6:30 PM. **/ UPDATE: THE PLANNING COMMISSION VOTED UNANIMOUSLY TO APPROVE THE APPLICATION.**

ATTACHMENTS:

- LAKESIDE PHASES 20-30 GSP SEPT 2021 - Application (PDF)
- LAKESIDE PHASES 20-30 GSP SEPT 2021 - Site Plan (PDF)
- LAKESIDE PHASES 20-30 GSP SEPT 2021 - Timeline (DOCX)
- Planning Commission Minutes September 13, 2021 DRAFT (PDF)

210313

RECEIVED
AUG 16 2021
BY: MBR

City of Port Wentworth
▪7224 Highway 21 ▪ Port Wentworth ▪ Georgia ▪ 31407 ▪ 912-999-2084

Site Plan Review Application

Site Plan Application is required for all new construction in a "P" or "MPO" zone as defined in the Zoning Ordinance of the City of Port Wentworth.

Site Plan Type (*Check One*): ☐ General / Concept ☐ Specific Development

Site Plan Address: 0 Lakeside Blvd

PIN #(s): 70906 04041, 70906 04042, 70906 04054, 70906 04063

Zoning: M-P-O Estimated Cost of Construction: $ 50,000,000

Type of Construction: Residential

Applicant's Name: D.R. Horton Attn: Mr. Jared O'Sako

Mailing Address: 30 Silver Lake Rd.

Bluffton, SC 29909

Phone #: (843) 473-5200 Email: jrosako@drhorton.com

Owner's Name (If Different form Applicant): Bald Eagle Partners Attn: Mr. Scott DeCain

Mailing Address: 4800 Hampden Lane, Suite 200

Bethesda, MD 20814

Phone #: (571) 426-4310 Email: sdecain@baldeaglepartners.com

I hereby acknowledge that the above information is true and correct.

Applicant's Signature — Date: August 16, 2021

Owner's Signature (If Different form Applicant) — Date: August 16, 2021

Please see page 2 for required submittal checklist

Updated 4/28/2020

Attachment: LAKESIDE PHASES 20-30 GSP SEPT 2021 - Application (2508 : Site Plan Review Application (General) Lakeside Phases 20-30)

City of Port Wentworth
▪7224 Highway 21 ▪ Port Wentworth ▪ Georgia ▪ 31407 ▪ 912-999-2084

Site Plan Review Application Submittal Checklist

Documentation below is required for a complete submittal.

- ☒ Signed and Completed Application
- ☒ 3 Full size sets of site plan civil drawings or concept plan (depending on type of site plan)
- ☒ 15 half size (11" X 17") sets of site plan civil drawings or concept plan (depending on type of site plan)
- ☐ 2 copies of hydrology reports (if applicable)
- ☒ Names, mailing address, and PIN number of all property owners within 250 feet of all property lines
- ☒ 1 8 ½" X 11" of site plan civil drawings or concept plan (depending on type of site plan)
- ☒ PDF of entire submittal (either flash drive or CD)
- ☐ Other Engineering details or reports may be required once submittal has been received
- ☒ Site plan review fee check
    - No Land Disturbance- $206.00 Site Plan Fee + $50.00 Admin Fee = Total $256.00
    - With Land Disturbance - $836.00 Site Plan Fee + $50.00 Admin Fee = Total $886.00

Additional Fee Statement: If engineer review cost to the City exceeds the site plan review fee that is paid at the time of initial application submittal, you may be required to pay additional review cost.

I have read and agree to the above additional fee statement

Ray [signature]
Applicant's Signature

8/12/2021
Date

Attachment: LAKESIDE PHASES 20-30 GSP SEPT 2021 - Application (2508 : Site Plan Review Application (General) Lakeside Phases 20-30)

CITY OF PORT WENTWORTH
(912) 964-4379

REC#: 00324149 8/19/2021 3:06 PM
OPER: ME TERM: 011
REF#: CK 2190

TRAN: 112.0000 BLDG PERMIT
210313 256.00CR
BEP RICE HOPE LLC
7090604041,42,54,63
DEV-SPR 256.00CR

TENDERED: 256.00 CHECK
APPLIED: 256.00-

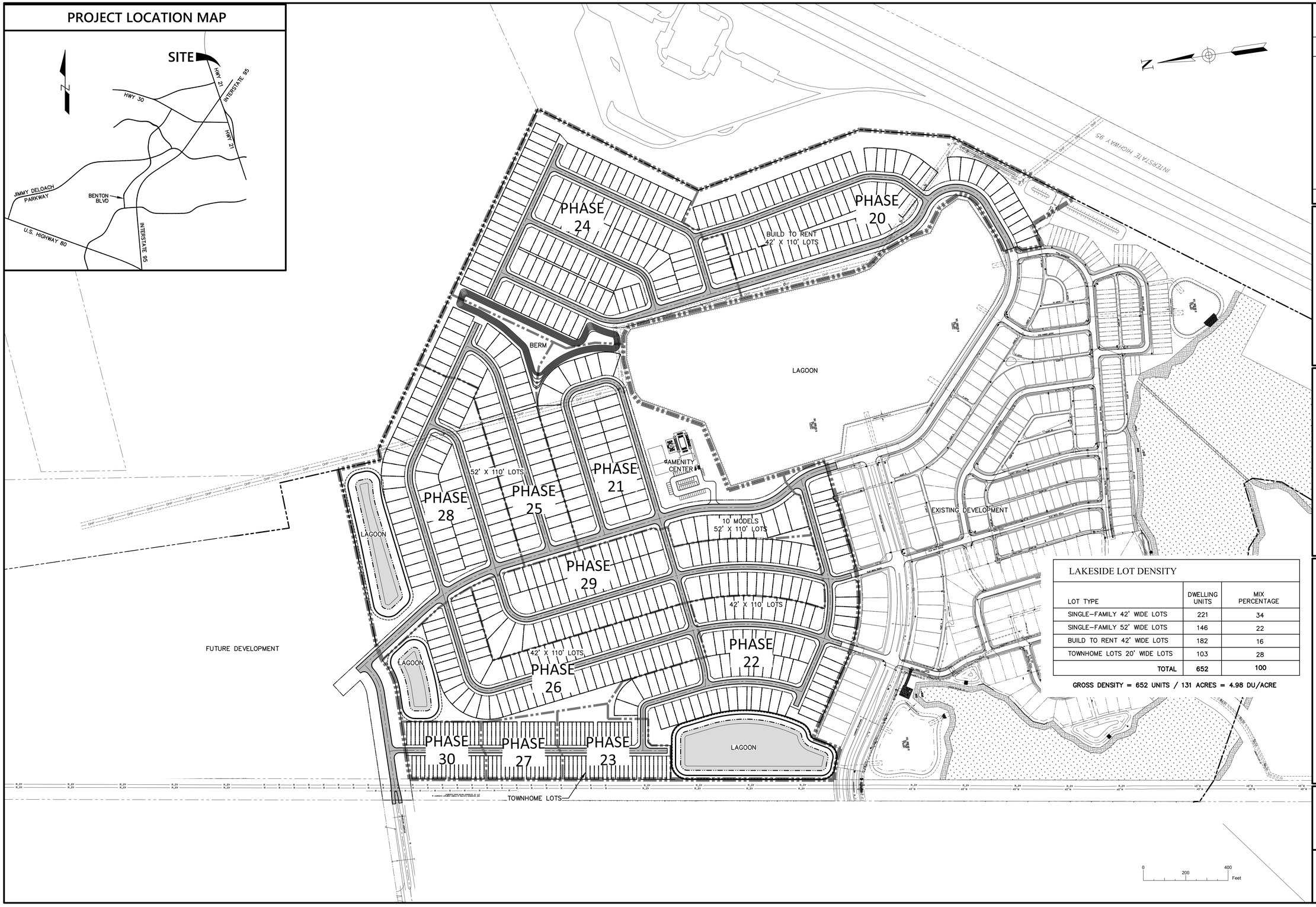
CHANGE: 0.00

WWW.CITYOFPORTWENTWORTH.COM

Attachment: LAKESIDE PHASES 20-30 GSP SEPT 2021 - Application (2508 : Site Plan Review Application (General) Lakeside Phases 20-30)

Owner Name	Mailing Address	PIN #	#
Denise Stone-Raguckas	303 Lakeside Blvd, Port Wentworth GA, 31407	70906A01001	1
Cortice Jackson	305 Lakeside Blvd, Port Wentworth GA, 31407	70906A01002	2
Freddy & Lena Meeks	307 Lakeside Dr, Port Wentworth GA, 31407	70906A01003	3
Derrick Barnes	309 Lakeside Dr, Port Wentworth GA, 31407	70906A01004	4
Kino & Shawndreia Deas	311 Lakeside Dr, Port Wentworth GA, 31407	70906A01005	5
Eugene & Ponda Showalter	313 Lakeside Blvd, Port Wentworth GA, 31407	70906A01006	6
AMH Development, LLC	315 Lakeside Blvd, Port Wentworth GA, 31407	70906A01007	7
Gary & Patricia Conway	403 Lakeside Blvd, Port Wentworth GA, 31407	70906A02001	8
Erin Lewis	405 Lakeside Blvd, Port Wentworth GA, 31407	70906A02002	9
Billie & Rod Cassidy	407 Lakeside Blvd, Port Wentworth GA, 31407	70906A02003	10
Herman & Sheree Rogers	409 Lakeside Blvd, Port Wentworth GA, 31407	70906A02004	11
Tiffany Brown-Corbin	503 Lakeside Blvd, Port Wentworth GA, 31407	70906A03001	12
George Bridgewell	505 Lakeside Blvd, Port Wentworth GA, 31407	70906A03002	13
Village Park Homes, LLC	507 Lakeside Blvd, Port Wentworth GA, 31407	70906A03003	14
James Millard	509 Lakeside Blvd, Port Wentworth GA, 31407	70906A03004	15
John Duncan	511 Lakeside Blvd, Port Wentworth GA, 31407	70906A03005	16
Martin Savarese	2 Lakeside Dr, Port Wentworth GA, 31407	70906A05047	17
Guardian DFH III LLC	4 Lakeside Dr, Port Wentworth GA, 31407	70906A05046	18
Cythnia Camp	6 Lakeside Dr, Port Wentworth GA, 31407	70906A05045	19
Cristina & Christopher Pace	8 Lakeside Dr, Port Wentworth GA, 31407	70906A05044	20
AMH Development, LLC	10 Lakeside Dr, Port Wentworth GA, 31407	70906A05043	21
William Benson	12 Lakeside Dr, Port Wentworth GA, 31407	70906A05042	22
Donald Hodges	14 Lakeside Dr, Port Wentworth GA, 31407	70906A05041	23
Phillip Sermprungsuk & Slinda Kalasz	16 Lakeside Dr, Port Wentworth GA, 31407	70906A05040	24
David & Sylvia Dix	18 Lakeside Dr, Port Wentworth GA, 31407	70906A05039	25
Village Park Homes, LLC	20 Lakeside Dr, Port Wentworth GA, 31407	70906A05038	26
Michael Bowling	22 Lakeside Dr, Port Wentworth GA, 31407	70906A05037	27
Village Park Homes, LLC	24 Lakeside Dr, Port Wentworth GA, 31407	70906A05036	28
Ralph Duxbury	26 Lakeside Dr, Port Wentworth GA, 31407	70906A05035	29
Richard & Jonnie Gilardi	102 Lakeside Dr, Port Wentworth GA, 31407	70906A11001	30
Daniel O'Connor	104 Lakeside Dr, Port Wentworth GA, 31407	70906A11002	31
Michael Johnson	106 Lakeside Dr, Port Wentworth GA, 31407	70906A11003	32
Jennifer Morgart	108 Lakeside Dr, Port Wentworth GA, 31407	70906A11004	33
Sean & Melanie Munton	4 Moonlight Trl, Port Wentworth GA, 31407	70906A11005	34
Rice Hope Plantation Community	Night Heron Way, Port Wentworth GA, 31407	70906A11014	35
Joseph Kearns	5 Night Heron Way, Port Wentworth GA, 31407	70906A11013	36
Marcus & Felecia Austin	7 Night Heron Way, Port Wentworth GA, 31407	70906A11012	37
Dustin & Sharon Brown	8 Moonlight Trl, Port Wentworth GA, 31407	70906A11007	38
Philip Hall	6 Moonlight Trl, Port Wentworth GA, 31407	70906A11006	39
Jennifer Whittaker	4 Night Heron Way, Port Wentworth GA, 31407	70906A05034	40
Boyce Slayman SR	233 Clearwater Cir, Port Wentworth GA, 31407	70906A05021	41
John & Esmeralda Adams	231 Clearwater Cir, Port Wentworth GA, 31407	70906A05020	42
Phillip & Amy Emili	229 Clearwater Cir, Port Wentworth GA, 31407	70906A05019	43
Arthur Sanders	227 Clearwater Cir, Port Wentworth GA, 31407	70906A05018	44
Johnny & Marcia Shinsato	225 Clearwater Cir, Port Wentworth GA, 31407	70906A05017	45
Tori Burnette	223 Clearwater Cir, Port Wentworth GA, 31407	70906A05016	46
Rajah Jenkins	221 Clearwater Cir, Port Wentworth GA, 31407	70906A05015	47
Christopher Rodriguez	219 Clearwater Cir, Port Wentworth GA, 31407	70906A05014	48
Kyle & Lizbeth Balk	217 Clearwater Cir, Port Wentworth GA, 31407	70906A05013	49
Jason & Jessica Schneider	215 Clearwater Cir, Port Wentworth GA, 31407	70906A05012	50
John & Katheryn Bohannon	213 Clearwater Cir, Port Wentworth GA, 31407	70906A05011	51
Anna & Enriquez Velazquez	211 Clearwater Cir, Port Wentworth GA, 31407	70906A05010	52
Alan Kennedy	510 Lakeside Blvd, Port Wentworth GA, 31407	70906A05005	53
BEP RH TRACT 2 LLC	Lakeside Blvd, Port Wentworth GA, 31407	70906 04041	54
BEP RICE HOPE LLC	300 Lakeside Blvd, Port Wentworth GA, 31407	70906 04077	55
BEP RH TRACT 2 LLC	Mulberry Ave, Port Wentworth GA, 31407	70906 04063	56
BEP RH TRACT 2 LLC	0 Rice Hope Rd, Port Wentworth GA, 31407	70906 04091	57
John Hill	Rice Hope Rd, Port Wentworth GA, 31407	70906 04012	58
BEP RICE HOPE LLC	Lakeside Blvd, Port Wentworth GA, 31407	70906 04042	59
City of Port Wentworth	Moonlight Trl, Port Wentworth GA, 31407	70906 04081	60
Beacon New Homes, LLC	5 Moonlight Trl, Port Wentworth GA, 31407	70906A09054	61
Beacon New Homes, LLC	7 Moonlight Trl, Port Wentworth GA, 31407	70906A09053	62
Beacon New Homes, LLC	9 Moonlight Trl, Port Wentworth GA, 31407	70906A09052	63

PROJECT LOCATION MAP



LAKESIDE LOT DENSITY

LOT TYPE	DWELLING UNITS	MIX PERCENTAGE
SINGLE–FAMILY 42' WIDE LOTS	221	34
SINGLE–FAMILY 52' WIDE LOTS	146	22
BUILD TO RENT 42' WIDE LOTS	182	16
TOWNHOME LOTS 20' WIDE LOTS	103	28
TOTAL	**652**	**100**

GROSS DENSITY = 652 UNITS / 131 ACRES = 4.98 DU/ACRE

REV.	REVISIONS	BY	DATE

Pittman Engineering Co., LLC
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

CONCEPTUAL SITE PLAN

LAKESIDE PHASES 20-30

CITY OF PORT WENTWORTH, GEORGIA

Prepared For
DR HORTON

Project No. 2021RH
Drawn By: JJB
Designed By: JJB
Checked By: JJB
Scale: 1"=200'
Date: 8/16/21

SHEET
EX

Attachment: LAKESIDE PHASES 20-30 GSP SEPT 2021 - Site Plan (2508 : Site Plan Review Application (General) Lakeside Phases 20-30)

Project Timeline

LAKESIDE PHASES 20-30 G-SITE PLAN

Project Number 210313

Applicant: D.R. Horton

- 8/16/2021 – Application received; complete

Attachment: LAKESIDE PHASES 20-30 GSP SEPT 2021 - Timeline (2508 : Site Plan Review Application (General) Lakeside Phases 20-30)

CITY OF PORT WENTWORTH

PLANNING COMMISSION

SEPTEMBER 13, 2021

Via Teleconference GoToMeeting | **Regular Meeting** | **6:30 PM**

7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407

1. CALL MEETING TO ORDER

Chairman CJ Neesmith called the meeting to order.

2. PRAYER AND PLEDGE OF ALLEGIANCE

Commissioner Bright led the Prayer and Pledge of Allegiance.

3. ROLL CALL - SECRETARY

Attendee Name	Title	Status	Arrived
Bill Herrin	Planning Commissioner	Present	
Rufus Bright	Planning Commissioner	Present	
Rosetta Franklin	Planning Commissioner	Present	
Wanda Rollf	Planning Commissioner	Present	
Lauree Morris	Planning Commissioner	Present	
CJ Neesmith	Planning Commissioner	Present	
Gabrielle Nelson	Planning Commissioner	Present	
Brian Harvey	Director of Development Services	Present	
Melanie Ellis	Building Inspector	Present	

4. APPROVAL OF AGENDA

1. Approval of Agenda

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Rosetta Franklin, Planning Commissioner
SECONDER:	Bill Herrin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

5. ADOPTION OF MINUTES

A. Planning Commission - Regular Meeting - Jul 12, 2021 6:30 PM

RESULT:	**ACCEPTED [UNANIMOUS]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Rosetta Franklin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

6. ZONING MAP AMENDMENTS (REZONING)

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2508 : Site Plan Review Application (General) Lakeside Phases 20-30)

A. Zoning Map Amendment Application submitted by Robert L. McCorkle, III., McCorkle, Johnson & McCoy, on behalf of Thomas Lee Exley for PIN # 7-0906-01-012 (Highway 21) to Rezone from R-A (Residential Agriculture) to P-R-M (Planned Residential Multifamily) Zoning District for the purpose of a Multi-Family Apartment Development

The applicant, Robert L. McCorkle III., was present and gave a brief overview of the project and offered to answer any questions the Commission may have. Commissioner Nelson asked if City services would be able to sustain all the new residential development, traffic concerns, and school overcrowding. Mr. McCorkle responded that they do not believe that their project will overburden the City and that this project would bring in more taxes that can assist the City in acquiring more staff to support the new growth. Commissioner Morris agreed with Commissioner Nelson and stated that the Developers should consider the concerns when submitting for site plan development and the reports that are included in those submittals for review by the City engineers.
Public Comments:
-Murray Marshal spoke in favor of the application.
After the public comment section was closed, Commissioner Morris made a motion to approve the application. Commissioner Nelson seconded the motion to approve. The vote was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Lauree Morris, Planning Commissioner
SECONDER:	Gabrielle Nelson, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

B. Zoning Map Amendment Application submitted by Marc Liverman, Atlantic Coast Consulting, Inc., on behalf of Drayton-Parker Companies, LLC., for PIN # 7-0035-01-010 (Highway 21) to Rezone from P-C-3 (Planned General Business) to P-I-1 (Planned Industrial) Zoning District for the purpose of a Truck / Chassis Storage Yard

The applicant, Marc Liverman, and Zach Riddle was present to represent the application. Marc Liverman gave a brief overview of the project and offered to answer any questions the Commission may have. Commissioner Nelson asked that this would be a hub instead of a in / out operation all day. Mr. Liverman responded that was correct and that most of the clients that would use this as an overflow yard and storage. Commissioner Herrin asked what the hours of operation would be. Zach Riddle responded that it should be normal business hours and weekends. Commission Bright asked to verify the location of this project. Commissioner Rollf asked about the flow of traffic of the trucks and how the trucks will be stopped from making left turns out of the driveway. Mr. Riddle responded that in the contract / lease agreement with the users the truck drivers will be required to follow all traffic laws. Commissioner Franklin asked if the trucks would use the road through Amazon parking lot and exit onto Crossgate Road. Mr. Riddle responded that the trucks would not be allowed on that road and that is Amazon only road. Commissioner Morris asked about the traffic flow for trucks making a U-Turn at the red-light at Crossgate Road and if the light timing has been researched. Mr. Liverman responded that in the traffic impact assessment did not show that this facility would impact that light and that any trucks turning left into the facility would use the existing curb cut on Highway 21. There were no public comments. Commissioner Herrin made a motion to approve the application. Commissioner Bright seconded the motion to approve. Commissioners Herrin, Bright, Franklin, Rollf, Nelson voted to approve. Commissioner Morris vote could not be heard due to technical issues.

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2508 : Site Plan Review Application (General) Lakeside Phases 20-30)

RESULT:	**APPROVED [5 TO 0]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Rufus Bright, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Nelson
AWAY:	Morris

7. ZONING TEXT AMENDMENTS (ORDINANCES)

8. SITE PLAN/SUBDIVISION APPROVAL

A. Site Plan Review Application submitted by NGI Acquisitions, LLC., on behalf of Tom Exley for PIN # 7-0907-01-003 (Highway 21) for a General Development Site Plan to allow a Multifamily Apartment Complex (Novare) in a P-RIP (Planned Residential Institutional) Zoning District

Scott Monson and Kenny Bud was present on behalf of the applicant. Mr. Monson gave an overview of the project and offered to answer any questions the Commission may have. Commissioner Herrin expressed traffic concerns on Highway 21 and how the traffic flow for the complex would be handled, what the value / rent would be for the homes, and if there would be a berm between the project and Pine Forest Subdivision. Mr. Monson responded that the entrance / exit would be approved by GDOT and there is a 50-foot vegetative buffer. Kenny Bud responded that the rent currently ranges between $1300-$1800.
Public Comments:
-Per Brian Harvey - Sylvia Hinley 1 Lanvale Street contacted the Development Services Office to inform that she is against the development.
After the public comment section was closed, Commissioner Rollf made a motion to Approved the application. Commissioner Bright seconded the motion to approve. Commissioners Bright, Rollf, Nelson voted Yes. Commissioners Herrin and Franklin voted No. Commissioner Morris vote could not be heard due to technical issues.

RESULT:	**APPROVED [3 TO 2]**
MOVER:	Wanda Rollf, Planning Commissioner
SECONDER:	Rufus Bright, Planning Commissioner
AYES:	Bright, Rollf, Nelson
NAYS:	Herrin, Franklin
AWAY:	Morris

B. Site Plan Review Application submitted by Ray Pittman, Pittman Engineering, on behalf of Third Lake Development, LLC., for PIN # 7-0906-04-091 (Rice Hope Rd) for a General Development Site Plan to allow a Multifamily Development (The Cottages at Rice Hope Plantation) in a M-P-O (Master Plan Overlay) Zoning District

The applicant, Ray Pittman, was present and gave a brief overview of the project and offered to answer any questions the commission may have. Scott DeCain was also present. Commissioner Nelson asked if City services would be able to sustain all the new residential development, traffic concerns, and school overcrowding. Mr. Pittman responded that the when the original master plan was developed all the infrastructure was took into account and that the overall amount of lots would be less than the original master plan allowed. Commissioner Bright asked about additional traffic lights and traffic concerns. Mr. Pittman stated that no traffic lights have been planned with the additional units due to that all of those concerns were addressed in the original master plan. Commissioner Rollf asked what the average number of cars per unit and if there was enough parking provided. Mr. Pittman responded that for this development there is a minimum of two parking spaces per unit. Commissioner Morris liked that this concept plan showed several areas of greenspace, and she believes the development will be very

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2508 : Site Plan Review Application (General) Lakeside Phases 20-30)

nice. Commissioner Rollf asked why these homes are for rent instead of building homes for purchase. Scott DeCain responded the Rice Hope community does have for-sale homes in future development plans.
Public Comments:
-Christine Stewart, 504 Rice Hope Plantation Road, spoke against the application due to traffic concerns and trash services.
-Madeline Quinones, 114 Parkside Blvd, spoke against the application due to traffic concerns, on-street parking, and emergency vehicle access.
-Cortrice Jackson, 305 Lakeside Blvd, spoke against the application due traffic, trash, internet capabilities.
-Gary Conway, 403 Lakeside Blvd, asked where the entrance for the plan was located.
After the public comment section was closed, Commissioner Bright made a motion to approve the application. Commissioner Rollf seconded the motion to approve. Commissioners Herrin, Bright, Franklin, Rollf, Nelson voted to approve. Commissioner Morris vote could not be heard due to technical issues.

RESULT:	**APPROVED [5 TO 0]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Wanda Rollf, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Nelson
AWAY:	Morris

C. Site Plan Review Application submitted by D.R. Horton on behalf of Bald Eagle Partners for PIN #'s 7-0906-04-041, 7-0906-04-042, 7-0906-04-054, 7-0906-04-063 (Lakeside Blvd) for a General Development Site Plan to allow a Residential Development (Lakeside Phases 20-30) in a M-P-O (Master Plan Overlay) Zoning District

Garrison Bryant was present on behalf of the applicant. Mr. Bryant gave a brief overview of the project and offered to answer any questions the commission may have. Commissioner Nelson asked to confirm that these homes were for purchase and not for rent. Chairman Neesmith stated that yes, they were for-sale homes. Commissioner Bright asked where these were located and if they were 3- or 4-bedroom homes. Mr. Bryant responded that they were off of Lakeside Blvd and there would be a variety of types of homes and that the majority would be for-sale and a small percentage would be for-rent.
Public Comments:
-Alfonso Ribot, 17 Wild Silk Way, asked if the HOA would be the same for the new development as the rest of Rice Hope. Mr. Decain responded that it has not been determined yet.
-Ponda Showalter, 313 Lakeside Blvd, asked what the traffic flow for the construction would be. Mr. Decain responded that he is not responsible for the construction traffic.
-Gary Conway, 403 Lakeside Blvd, asked if there would be any other access points other than Lakeside Blvd and Mulberry Blvd. Mr. DeCain responded no.
-Madeline Quinones, 114 Parkside Blvd, asked how many rentals and how many for-sale. Mr. DeCain responded about 25% for-rent and 75% for-sale.
After the public comment section was closed, Commissioner Bright voted to approve the application. Commissioner Morris seconded the motion to approve. The vote to approve was unanimous.

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2508 : Site Plan Review Application (General) Lakeside Phases 20-30)

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Lauree Morris, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

D. Site Plan Review Application submitted by Neil McKenzie, Coleman Company Inc., of behalf of LMS Real Estate Investment Management, LLC., for PIN # 7-0975-01-025 Tract B (Highway 21 / Jeffers Rd) for a Specific Development Site Plan to allow a Multi-Family Residential Development (LMS Cottages) in a P-R-M (Planned Residential Multifamily) Zoning District

The applicant, Neil McKenzie, was present. Mr. McKenzie gave an overview of the project and offered to answer any questions the Commission may have. Commissioner Bright asked which residents that they talked to about the project. Mr. McKenzie responded that there were two neighborhood meetings at the City Hall Council Chambers and both meetings were well attended. Commissioner Nelson asked about the Saussy Road improvements. Mr. McKenzie responded that the Developers would rebuild and widen Saussy Road up to the entrance of the development, which would include a dedicated right and left turn lane, and then they would mill and overlay Saussy Road up to Grant Road.
Public Comments:
-LaRay Benton, 135 Saussy Road, spoke against the applicant, stating stormwater and flooding concerns.
After the public comment section was closed, Commissioner Herrin made a motion to approve. Commissioner Rollf seconded the motion to approve. The vote to approve was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Wanda Rollf, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

E. Subdivision Application submitted by David Dowdy, Jackson Surveying, Inc., on behalf of Shay Anam, LLC., for a portion of PIN # 7-0037-02-004 (Magellan Blvd) located in a P-C-3 (Planned General Business) Zoning District for a Final Plat of a Minor Subdivision (Parcel 3, Former Broadman Tract) for the purpose of a Hotel Development

No one was present for the application. There were no public comments.
Commissioner Franklin made a motion to approve. Commissioner Nelson seconded the motion to approve. The vote was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rosetta Franklin, Planning Commissioner
SECONDER:	Gabrielle Nelson, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

F. Subdivision Application submitted by Ray Pittman, Pittman Engineering, Co., on behalf of Bald Eagle Partners for PIN # 7-0906-04-069 (Hickory Street) located in a M-P-O (Master Plan Overlay) Zoning District for a Preliminary Plat of a Major Subdivision (Parkside at Rice Hope Phases B & C) for the purpose of Single-Family Homes

The applicant, Ray Pittman, was present. Mr. Pittman gave a brief overview of the project and offered to answer any questions the Commission may have. There were no questions from the Commission.
Public Comments:

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2508 : Site Plan Review Application (General) Lakeside Phases 20-30)

-Madeline Quinones, 114 Parkside Blvd, asked who the builder was for these homes and spoke against the application. Mr. Pittman responded that he was not sure of who the builder was.
After the public comment section was closed, Commissioner Bright made a motion to approve the application. Commissioner Morris seconded the motion to approve. The vote to approve was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Lauree Morris, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

9. NEW BUSINESS

10. ADJOURNMENT

A. Adjournment

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Bill Herrin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

_____
Chairman

The foregoing minutes are true and correct and approved by me on this _____ day of _____, 2021.

_____
Secretary

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2508 : Site Plan Review Application (General) Lakeside Phases 20-30)

City Council
7224 GA Highway 21
Port Wentworth, GA 31407

SCHEDULED

Meeting: 09/23/21 12:00 AM
Department: Development Services
Category: Planning/Zoning Item
Prepared By: Melanie Ellis
Department Head: Brian Harvey

AGENDA ITEM (ID # 2511)

DOC ID: 2511

Site Plan Review Application submitted by Neil McKenzie, Coleman Company Inc., of behalf of LMS Real Estate Investment Management, LLC., for PIN # 7-0975-01-025 Tract B (Highway 21 / Jeffers Rd) for a Specific Development Site Plan to allow a Multi-Family Residential Development (LMS Cottages) in a P-R-M (Planned Residential Multifamily) Zoning District

Issue/Item: Site Plan Review Application submitted by Neil McKenzie, Coleman Company Inc., of behalf of LMS Real Estate Investment Management, LLC., for PIN # 7-0975-01-025 Tract B (Highway 21 / Jeffers Rd) for a Specific Development Site Plan to allow a Multi-Family Residential Development (LMS Cottages) in a P-R-M (Planned Residential Multifamily) Zoning District

Background: The subject property is currently undeveloped land. The property was recently rezoned in October 2020 to PRM and the general concept plan was approved by City Council at the May 2021 regular meeting.

Facts and Findings: The subject property is a portion of the PIN number located between Jeffers Road and Saussy Road. This is a community development project, targeting the workforce and attainable housing demographic of Port Wentworth. The development consists of 206 rental units, in various combinations of attached, duplex, and single units with one, two, and three bedroom offerings. The units will be offered for rent, with a typical leasing structure similar to a traditional apartment complex. The development will be operated and maintained by a property management company that will oversee day to day operation and maintenance of the facilities. This will be a private, gated development, served by Port Wentworth water and sewer utilities. The development will include considerable community open space, a swimming pool, and a fitness center. Most units will have a garage and driveway; walk-up units will have surface parking spaces available in the immediate vicinity. Visitor parking has been included, and on-street parking will be discouraged. This application is currently under review by City engineers Thomas and Hutton.

Funding: N/A

Recommendation: The Planning Commission will hear this application on September 13, 2021 at 6:30 P.M. **/ UPDATE: THE PLANNING COMMISSION VOTED UNANIMOUSLY TO APPROVE THE APPLICATION.**

ATTACHMENTS:

- 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Application (PDF)
- 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (PDF)
- 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - USACOE AJD Letter 1.22.21 (PDF)
- 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 1st Letter T&H 8.10.21 (PDF)

- 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 1st Letter City 8.13.21 (PDF)
- 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Timeline (DOCX)
- 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 1st Return Comment Letter Coleman 8.10.21 (PDF)
- 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - ESPC Approval 8.2.21 (PDF)
- 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (PDF)
- 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (PDF)
- 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (PDF)
- 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (PDF)
- 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - CDM Exhibits (PDF)
- 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Appendix A Water Wastewater Availability (PDF)
- 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (PDF)
- 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (PDF)
- 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 2nd Letter T&H 9.13.21 (PDF)
- Planning Commission Minutes September 13, 2021 DRAFT (PDF)

210271

City of Port Wentworth
▪7224 Highway 21 ▪ Port Wentworth ▪ Georgia ▪ 31407 ▪ 912-999-2084

RECEIVED
JUL 26 2021
BY: KS

Site Plan Review Application

Site Plan Application is required for all new construction in a "P" or "MPO" zone as defined in the Zoning Ordinance of the City of Port Wentworth.

Site Plan Type (*Check One*): ☐ General / Concept ☒ Specific Development

Site Plan Address: Jeffers Road, Port Wentworth, GA 31407

PIN #(s): 7-0975-01-025 Tract B

Zoning: P-R-M Estimated Cost of Construction: $ ~6,000,000

Type of Construction: Multi-family Residential community. Units will be for rent.

Applicant's Name: Neil McKenzie, Coleman Company Inc.

Mailing Address: 1480 Chatham Parkway, Suite 100
Savannah, GA 31405

Phone #: (912) 200-3041 Email: nmckenzie@cci-sav.com

Owner's Name (If Different form Applicant): LMS Real Estate Investment Management, LLC
c/o Sarah Miller

Mailing Address: 1744 Oxmoor Road
Homewood, AL 35209

Phone #: 205.933.1227 Email: smiller@lms-realestate.com

I hereby acknowledge that the above information is true and correct.

Applicant's Signature Date 7/22/21

Owner's Signature (If Different form Applicant) Date 7/20/21

Please see page 2 for required submittal checklist

Updated 4/28/2020

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Application (2511 : Site Plan Review Application (Specific) 7-

City of Port Wentworth
▪7224 Highway 21 ▪ Port Wentworth ▪ Georgia ▪ 31407 ▪ 912-999-2084

Site Plan Review Application Submittal Checklist

Documentation below is required for a complete submittal.

- ☒ Signed and Completed Application
- ☒ 3 Full size sets of site plan civil drawings or concept plan (depending on type of site plan)
- ☒ 15 half size (11" X 17") sets of site plan civil drawings or concept plan (depending on type of site plan)
- ☒ 2 copies of hydrology reports (if applicable)
- ☒ Names, mailing address, and PIN number of all property owners within 250 feet of all property lines
- ☒ 1 8 ½" X 11" of site plan civil drawings or concept plan (depending on type of site plan)
- ☒ PDF of entire submittal (either flash drive or CD)
- ☐ Other Engineering details or reports may be required once submittal has been received
- ☒ Site plan review fee check
  - ○ No Land Disturbance- $206.00 Site Plan Fee + $50.00 Admin Fee = Total $256.00
  - ☒ With Land Disturbance - $836.00 Site Plan Fee + $50.00 Admin Fee = Total $886.00

Additional Fee Statement: If engineer review cost to the City exceeds the site plan review fee that is paid at the time of initial application submittal, you may be required to pay additional review cost.

I have read and agree to the above additional fee statement

N e P G

Applicant's Signature

7/22/21

Date

Updated 4/28/2020

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Application (2511 : Site Plan Review Application (Specific) 7-

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Application (2511 : Site Plan Review Application (Specific) 7-

Adjacent Property Owners for LMS Cottages

- Portion of the Camilla Grant Tract
  N/F: Anthony Foster & Vanessa McBride
  PIN: 7-0975-01-010
  Address: PO BOX 7531
  Savannah, GA 31418

- Portion of the Camilla Grant Tract
  N/F: Lillie B Fryar
  PIN: 7-0975-01-004A
  Address: 130 Saussy Road
  Savannah, GA 31407

- Portion of the Camilla Grant Tract
  N/F: Matthew & Camilla Stewart
  PIN: 7-0975-01-004F
  Address: 126 Saussy Road
  Savannah, GA 31407

- Lot A Steele Subdivision
  N/F: Fred Steele, Jr.
  PIN: 7-0975-01-012
  Address: 202 Grant Road
  Savannah, GA 31407

CITY OF PORT WENTWORTH
(912) 964-4379

REC#: 00321076 7/27/2021 3:15 PM
OPER: ME TERM: 011
REF#: CK 10899

TRAN: 112.0000 BLDG PERMIT
210271 886.00CR
LMS REAL ESTATE INVESTMENT MAN
7-0975-01-025
DEV-SPR 886.00CR

TENDERED: 886.00 CHECK
APPLIED: 886.00-

CHANGE: 0.00

WWW.CITYOFPORTWENTWORTH.COM

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Application (2511 : Site Plan Review Application (Specific) 7-

CONSTRUCTION PLANS FOR
LMS COTTAGES

OWNER CERTIFICATION:
I CERTIFY THAT ALL LAND CLEARING, CONSTRUCTION, LAND DEVELOPMENT, AND DRAINAGE WILL BE DONE ACCORDING TO THE APPROVED STORMWATER MANAGEMENT DESIGN PLAN.

LMS
Owner/Client: Name (Please Print)

Owner/Client Signature

PLAN PREPARER CERTIFICATION:
I CERTIFY THAT THE DESIGN OF THE STORMWATER MANAGEMENT SYSTEM MEETS THE REQUIREMENTS OF THE PORT WENTWORTH CODE OF ORDINANCES AND THE LATEST EDITION OF THE COASTAL STORMWATER SUPPLEMENT, THE GASWMM, AND ANY RELEVANT LOCAL ADDENDA.

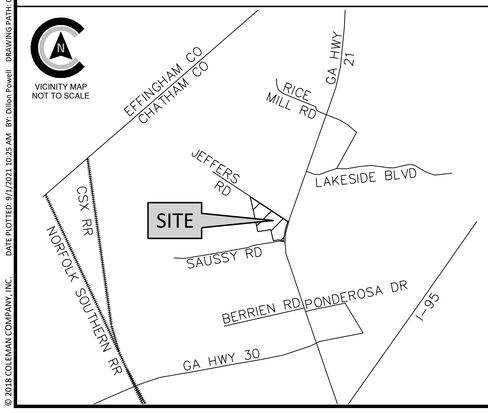
NEIL P. McKENZIE, P.E.

PREPARED FOR
LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC

DESIGN PROFESSIONAL'S CREDENTIALS:

ENGINEER'S NAME (PRINTED):	NEIL P McKENZIE, PE
GEORGIA PE NUMBER:	PE036652
GSWCC LEVEL II CERTIFICATION NUMBER:	44944

VICINITY MAP (N.T.S.)



REVISIONS

PROJECT SITE DATA

PROJECT ADDRESS:	JEFFERS ROAD
PROJECT CITY, STATE:	PORT WENTWORTH, GEORGIA
OWNER/REPRESENTATIVE:	LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC
PROPERTY AREA:	23.70 AC
DISTURBED AREA:	±19.45 AC
ZONING:	P-R-M
VERTICAL DATUM:	NAVD88
HORIZONTAL DATUM:	NAD83
FLOOD ZONE:	ZONE AE (B.F.E: 13'), ZONE X (SHADED), ZONE X
WATER & SEWER PROVIDER:	CITY OF PORT WENTWORTH
PINS:	7-0975-01-025
SURVEY PREPARED BY:	COLEMAN COMPANY, INC.
GEOTECHNICAL BY:	NA
ARCHITECT:	NA
CONSTRUCTION EXIT LOCATION:	32.20870, -81.20242

SHEET INDEX

Sheet Number	Sheet Title
COV	COVER
C1.0	CONSTRUCTION NOTES
C2.0	EXISTING CONDITIONS
C3.0	STAKING PLAN
C4.0	PAVING, GRADING, & DRAINAGE PLAN
C5.0	NEIGHBORHOOD GRADING PLAN
C6.0	UTILITY PLAN
C7.0	OFFSITE IMPROVEMENTS
C8.0	PROFILES
C8.1	PROFILES
C8.2	PROFILES
C9.0	CONSTRUCTION DETAILS
C9.1	CONSTRUCTION DETAILS
C9.2	CONSTRUCTION DETAILS
CE1.0	INITIAL ES&PC PLAN
CE2.0	INTERMEDIATE ES&PC PLAN
CE3.0	FINAL ES&PC PLAN
CE4.0	EROSION CONTROL DETAILS
CE4.1	EROSION CONTROL DETAILS
CE5.0	NPDES PERMIT NOTES
CE5.1	NPDES PERMIT NOTES
LP1.0	LIGHTING PLAN

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | COLSAV.COM

NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. PE036652 PROFESSIONAL ENGINEER NEIL P. McKENZIE 9/1/21

REVISIONS:

CIVIL CONSTRUCTION PLANS FOR
LMS COTTAGES
LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC

JOB NUMBER:	20-374.003
DATE:	6/30/21
DRAWN BY:	DCP
CHECKED BY:	NPM
SCALE:	AS NOTED

COVER

SHEET:
COV

© 2018 COLEMAN COMPANY, INC.
DATE PLOTTED: 9/1/2021 10:25 AM BY: Dillon Powell DRAWING PATH: O:\2020\20-374.003\DWG\Civil\20-374.003 Main Project 6.16.21.dwg

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

GENERAL NOTES:

1. CONTRACTOR WILL BE REQUIRED TO ATTEND A PRE-CONSTRUCTION CONFERENCE WITH THE GOVERNMENTAL AGENCY IN CHARGE OF THE PROJECT.

2. CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND INSPECTIONS AS REQUIRED FOR APPROVAL OF THE WORK WITH THE GOVERNMENTAL AGENCY WITH JURISDICTION.

3. CONTRACTOR WILL BE RESPONSIBLE FOR COST OF AND COORDINATION WITH LOCAL UTILITY COMPANIES OR AGENCIES FOR RELOCATION OF, OR CONNECTION TO, ALL EXISTING UTILITIES INCLUDING POWER AND TELEPHONE POLES AND WIRES.

4. ALL ELEVATIONS ARE BASED ON MEAN SEA LEVEL DATUM, NAVD 88.

5. A MINIMUM SHOULDER WIDTH OF 4 FEET WITH A MINIMUM TRANSVERSE SLOPE OF 5% WILL BE PROVIDED ADJACENT TO CURBS AND WALKS. ALL WALKS SHALL HAVE A MINIMUM SLOPE OF 2%.

6. MAXIMUM EARTH SLOPES WILL BE 3:1. GRADE FROM SHOULDER EDGE TO RIGHT- OF-WAY AT 1% MINIMUM.

7. REMOVAL AND REPLACEMENT OF UNSUITABLE SUBGRADE MATERIAL WILL BE PAID FOR ON A CUBIC YARD BASIS IN PLACE MEASUREMENT, AT SUCH AUTHORIZED PRICE PER CUBIC YARD, AS AUTHORIZED BY THE ENGINEER.

8. PROVIDE 1/2" EXPANSION JOINT IN NEW WALKS FOR DEPTH OF CONCRETE, WITH BITUMINOUS SEAL FOR TOP 1 INCH MINIMUM DEPTH AT ABUTMENTS WITH BUILDINGS OR OTHER CONCRETE STRUCTURES.

9. SAW-CUT CONTRACTION JOINTS WILL BE PROVIDED IN ACCORDANCE WITH DETAILS, CUT TO BE 1/4 DEPTH OF CONCRETE MINIMUM.

10. ALL DIMENSIONS ARE TO EXTERIOR FACE OF BUILDING , EDGE OF SURFACE COURSE OR FACE OF CURBING UNLESS OTHERWISE NOTED.

11. ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.

12. THE CONTRACTOR SHALL KEEP ACCURATE RECORDS FOR "AS BUILTS" PURPOSES AND PROVIDE THIS INFORMATION TO THE ENGINEER AT THE COMPLETION OF THE PROJECT. IF THE CONTRACTOR FAILS TO FURNISH THIS INFORMATION, THE ENGINEER WILL OBTAIN THE NECESSARY INFORMATION AND CHARGE THE CONTRACTOR FOR THE SERVICES. THE ENGINEER WILL CHECK INFORMATION PROVIDED BY THE CONTRACTOR FOR ACCURACY. AS BUILT INFORMATION INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING: ALL UTILITIES INCLUDING INVERTS, TOP ELEVATIONS, PIPE LENGTHS AND TYPE OF CONSTRUCTION MATERIAL; SPOT ELEVATIONS ON FORCE MAINS AND WATER LINES. THE DISTANCE OF THE CENTERLINE OF UTILITIES FROM A PERMANENT STRUCTURE. ALL VALVE MANHOLES AND VALVE BOXES SHALL BE LOCATED WITH RESPECT TO A PERMANENT STRUCTURE. GRADES SHALL BE CONFIRMED IN ROADS AND PARKING AREAS AS WELL AS SWALES TO SHOW DIRECTION OF STORMWATER FLOW. THE FINISHED FLOOR ELEVATION SHALL BE SHOWN ON ALL BUILDINGS. IF THE LANDSCAPING IS CHANGED IN ANY WAY AN AS BUILT OF THE LANDSCAPE PLAN IS TO BE SUBMITTED TO THE ENGINEER; AND ANY OTHER REQUIREMENT MADE BY CITY OF PORT WENTWORTH.

13. ALL NEW DISTURBED AREAS WILL BE GRASSED BY SEEDING OR SPRIGGING IN ACCORDANCE WITH CURRENT VERSION OF THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA, AND AS DIRECTED BY THE ENGINEER.

14. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.

15. CONTRACTOR SHALL PROVIDE DUST CONTROL OF ALL DISTURBED AREAS BY THE USE OF WATER AND FAST GROWING, TEMPORARY VEGETATION ON ALL STOCKPILED SOILS.

16. CONTRACTOR WILL PROVIDE A CONSTRUCTION SCHEDULE INCLUDING ALL EROSION AND SEDIMENT CONTROL MEASURES.

17. CONTRACTOR SHALL PROVIDE CRUSHED STONE 6" THICK, 50' MIN. LONG BY 20' MIN. WIDE AT ALL CONSTRUCTION EXITS TO MINIMIZE TRANSPORT OF SOIL FROM SITE BY VEHICLE WHEELS.

18. ALL EXISTING INLETS AND DITCHES SUBJECT TO STORM WATER RUNOFF FROM THE SITE AND ALL NEW INLETS SHALL BE PROVIDED WITH HAY BALES SILT BARRIERS TO MINIMIZE SOIL TRANSPORT OFF SITE BY STORM WATERS.

19. ALL MATERIAL AND INSTALLATION PRACTICES ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT SHALL MEET THE CURRENT REQUIREMENTS OF THE CITY OF PORT WENTWORTH AND CHATHAM COUNTY DEVELOPMENT REGULATIONS AND SPECIFICATIONS.

20. TESTING - PROVIDE ALL TESTING AS REQUIRED IN THE SPECIFICATIONS. PROVIDE ENGINEER WITH COPY DIRECT FROM TESTING LAB.

21. CONTRACTOR SHALL MAINTAIN SITE ON A DAILY BASIS TO PROVIDE FOR POSITIVE DRAINAGE. CONTRACTOR, AT HIS COST, SHALL GRADE SITE AND PROVIDE NECESSARY TEMPORARY DRAINAGE SWALES TO INSURE STORM WATER DOES NOT POND ON SITE.

22. ANY DETENTION BASINS SHALL BE CONSTRUCTED IN CONJUNCTION WITH CLEARING AND GRADING TO HELP PREVENT THE LOSS OF SEDIMENT FROM THE SITE. THE CONTRACTOR SHOULD CLEAN OUT ANY SEDIMENT DEPOSITED IN THE BASINS DURING THE CONSTRUCTION PERIOD SO THAT THE SPECIFIED WATER DEPTH AT NORMAL POOL IS MAINTAINED; THE CONTRACTOR MAY OVER EXCAVATE THE BASINS TO ACCOMPLISH THIS, IF DESIRED, AT HIS OWN EXPENSE AND WITH THE CONCURRENCE OF THE ENGINEER.

23. PRIOR TO CONSTRUCTION, ALL BUILDING AREAS, PLUS 10 FEET ON EACH SIDE AND ALL AREAS TO BE PAVED, SHOULD BE STRIPPED OF ALL VEGETATION, TOP SOIL AND ROOT SYSTEMS.

24. SITE DRAINAGE SHOULD BE ESTABLISHED TO PREVENT ANY PONDED WATER CONDITIONS WITHIN THE CONSTRUCTION AREA AND TO FACILITATE THE RAPID RUN-OFF OF STORM WATER.

25. ANY STUMP HOLES OR OTHER DEPRESSIONS SHOULD BE CLEARED OF LOOSE MATERIAL AND DEBRIS AND SHOULD THEN BE BACKFILLED WITH APPROVED FILL. THE BACKFILL SHOULD BE PLACED IN SIX INCH MAXIMUM LIFTS AND COMPACTED TO 95% DENSITY IN ACCORDANCE WITH ASTM-D-1557.

26. ANY UTILITIES THAT UNDERLIE THE SITE SHOULD BE RELOCATED AND THE TRENCHES BACKFILLED WITH APPROVED SOIL. THE BACKFILL SHOULD BE PLACED IN SIX INCH MAXIMUM LIFTS AND COMPACTED TO 95% DENSITY IN ACCORDANCE WITH ASTM-D-1557.

27. THE SUBGRADE SHOULD BE PROOFROLLED WITH A LOADED DUMP TRUCK TO LOCATE UNSTABLE OR SOFT AREAS. THESE AREAS SHOULD THEN BE INVESTIGATED TO DETERMINE THE CAUSE OF THE INSTABILITY. IF DUE TO UNSUITABLE SOIL, SUCH AS HIGHLY ORGANIC SOILS OR SOFT CLAYS, THE AREA SHOULD BE UNDERCUT TO A FIRM SOIL AND REPLACED WITH APPROVED FILL COMPACTED IN SIX INCH LIFTS TO MINIMUM DENSITY OF 95% IN ACCORDANCE WITH ASTM-D-1557. IF THE INSTABILITY IS DUE TO EXCESS MOISTURE IN OTHERWISE SUITABLE SOIL, THE AREA SHOULD BE DRAINED AND COMPACTED TO 95% DENSITY. ANY FILL REQUIRED TO LEVEL OR RAISE THE SITE SHOULD THAN BE PLACED IN 6" THICK LOOSE LIFTS AND COMPACTED TO 95% DENSITY IN ACCORDANCE WITH ASTM-D-1557.

28. ALL OF THE FILL FOR THIS PROJECT SHOULD CONSIST OF A CLEAN, FREE DRAINING SAND WITH A MAXIMUM OF 15% FINES. THE FILL SHOULD BE FREE OF OBJECTIONABLE ROOTS, CLAY LUMPS AND DEBRIS.
29. MOISTURE CONTENT SHALL BE AT OR BELOW OPTIMUM.

30. ALL WATER USED FOR CONSTRUCTION SHALL BE METERED THROUGH AN APPROVED BACKFLOW PREVENTION DEVICE AND FIRE HYDRANT METER OBTAINED FROM THE CITY OF PORT WENTWORTH CONVEYANCE AND DISTRIBUTION DEPARTMENT.

31. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO FOLLOW THE COMPREHENSIVE MONITORING PLAN PREPARED FOR THE DEVELOPER BY COLEMAN COMPANY, INC.

32. ALL TAPS ON A MAIN FOR SERVICE LATERALS SHALL BE MADE WITH AN ALL STAINLESS STEEL DOUBLE STRAP EPOXY COATED TAPPING SADDLE. THE SIZE OF THE SADDLE SHALL BE WATER MAIN DIAMETER C-900 + 1"c.c. THREAD".

33. ALL FIRE HYDRANTS AND VALVES SHALL BE MANUFACTURED BY MUELLER. ALL HYDRANTS TO BE PAINTED YELLOW.

34. 50 L.F. OF 6" UNDERDRAIN AND ROCK SHALL BE INSTALLED FROM EACH SIDE OF EACH GRATE INLET. CONTRACTOR SHALL VERIFY THE STATIC WATER ELEVATION OF THE PROPOSED/EXISTING DRAINAGE SYSTEM EACH ROADSIDE INLET IS A COMPONENT OF AND NOT INSTALL THE UNDERDRAIN BELOW THAT STATIC ELEVATION.

35. ANY AND ALL UTILITY CROSSINGS FOR WATER MAINS BETWEEN STORM OR SEWER PIPING SHOULD BE ACCOMPLISHED BY USING OF 45° BENDS BOTH DOWN AND UP.

36. ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON THE PLANS AND ARE NOT NECESSARILY ACCURATE AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON THE PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES, EXCEPT AS NOTED BELOW. THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR THE COST OF REPAIRS TO DAMAGED UTILITY FACILITIES OTHER THAN SERVICE LINES FROM STREET MAINS TO ABUTTING PROPERTY WHEN SUCH FACILITIES ARE NOT SHOWN ON THE PLANS AND THEIR EXISTENCE IS UNKNOWN TO THE CONTRACTOR PRIOR TO THE DAMAGES OCCURRING PROVIDING THE ENGINEER DETERMINES THE CONTRACTOR HAS OTHERWISE FULLY COMPLIED WITH THE SPECIFICATIONS.

37. CONTRACTOR(S) SHALL VERIFY THE LOCATION OF ALL UNDERGOUND UTILITIES. CONTRACTOR(S) ARE RESPONSIBLE FOR LOCATING, PROTECTING, REPAIRING, AND REPLACING ANY AND ALL UNDERGROUND UTILITIES DURING ALL PHASES OF CONSTRUCTION. COLEMAN COMPANY, INC. HAS MADE A DILIGENT EFFORT TO LOCATE ALL ABOVE AND BELOW GROUND UTILITIES BUT CANNOT GUARANTEE THAT ALL PRESENT UTILITIES HAVE BEEN IDENTIFIED. CONTRACTOR SHALL CALL UTILITY PROTECTION CENTER (1-800-282-7411) AT LEAST 3 DAYS PRIOR TO DIGGING AND SHALL NOT BEGIN DIGGING UNTIL ALL UNDERGROUND UTILITY LOCATIONS ARE COMPLETE.

38. ALL DEMOLITION DEBRIS SHALL BE PROPERLY DISPOSED AT THE CONTRACTOR'S EXPENSE.

39. A CONTINUOUS RUN OF PLASTICIZED METALLIC TAPE SHALL BE INSTALLED ABOVE THE TOP OF PVC PIPE USED FOR GRAVITY SEWER AND FORCE MAINS AT APPROXIMATELY 30" BELOW FINISHED GRADE. THE TAPE SHALL BE SUITABLE FOR DETECTION WITH METAL PIPE LOCATION EQUIPMENT, COLOR CODED AND LABELED TO IDENTIFY CONTENTS OF THE PIPE AND BRIGHTLY COLORED TO CONTRAST WITH THE SOIL. IN ADDITION TO THE TAPE, A CONTINUOUS RUN OF TRACER WIRE SHALL BE ATTACHED TO THE PIPE AND CONNECTED TO MANHOLE RINGS. ON PIPE RUNS GREATER THAN 500', THE TRACER WIRE SHALL BE ATTACHED TO A 2" GALVANIZED PIPE WITH A 180 DEGREE BEND AT THE TOP, EXTENDING 36" ABOVE GRADE FOR CONNECTION TO LOCATOR EQUIPMENT. THE MAXIMUM DISTANCE BETWEEN 2" PIPE STUBS SHALL BE 500'.

40. ALL SANITARY SEWER LATERALS SHALL BE PROPERLY MARKED AT THE POINT WHERE LATERALS TERMINATE WITH PVC PIPE PAINTED GREEN. ADDITIONAL MARKINGS SHALL BE STAMPED IN THE CURB OR MARKED ON THE EDGE OF PAVING WITH AN APPROVED PERMANENT MARKER CAPABLE OF BEING LOCATED BY A MAGNETIC LOCATOR, SUCH AS A NAIL WITH CAP, IF NO CURB PRESENT. LATERALS SHALL BE MARKED WITH MARKING TAPE AN TRACER WIRE AS DESCRIBED ABOVE.

41. A CONTINUOUS RUN OF PLASTICIZED METALLIC TAPE SHALL BE INSTALLED ABOVE THE TOP OF PVC PIPE USED FOR WATER MAINS AT APPROXIMATELY 18" TO 24" BELOW FINISHED GRADE. THE TAPE SHALL BE SUITABLE FOR DETECTION WITH METAL PIPE LOCATION EQUIPMENT, COLOR CODED AND LABELED TO IDENTIFY CONTENTS OF THE PIPE AND BRIGHTLY COLORED TO CONTRAST WITH THE SOIL. IN ADDITION TO THE TAPE, A CONTINUOUS RUN OF TRACER WIRE SHALL BE ATTACHED TO THE PIPE AND CONNECTED TO CURB STOPS AND BROUGHT TO TOP OF VALVE. ON PIPE RUNS GREATER THAN 500', THE TRACER WIRE SHALL BE ATTACHED TO A 2" GALVANIZED PIPE WITH A 180 DEGREE BEND AT THE TOP, EXTENDING 36" ABOVE GRADE FOR CONNECTION TO LOCATOR EQUIPMENT. THE MAXIMUM DISTANCE BETWEEN 2" PIPE STUBS SHALL BE 500'.

42. ALL WATER SERVICES SHALL BE PROPERLY MARKED ABOVE GROUND WITH PVC PIPE PAINTED BLUE. ADDITIONAL MARKINGS SHALL BE STAMPED IN THE CURB OR MARKED ON THE EDGE OF PAVING WITH AN APPROVED PERMANENT MARKER CAPABLE OF BEING LOCATED BY A MAGNETIC LOCATOR, SUCH AS A NAIL WITH CAP, IF NO CURB PRESENT. SERVICES SHALL BE MARKED WITH MARKING TAPE AN TRACER WIRE AS DESCRIBED ABOVE.

43. TRACER WIRE SHALL BE REQUIRED ON ALL STORM PIPE.

44. THE CONTRACTOR SHALL HAVE APPROVED PLANS ON SITE AT ALL TIMES DURING LAND DISTURBING ACTIVITIES.

45. THE CONTRACTOR SHALL HAVE A CERTIFIED EROSION AND SEDIMENTATION CONTROL INSPECTOR ON SITE AT ALL TIMES DURING LAND DISTURBING ACTIVITIES.

46. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CITY OF PORT WENTWORTH AND CHATHAM COUNTIES LATEST CONSTRUCTION SPECIFICATIONS AND DETAILS.

47. ALL CURB AND GUTTER TO BE 18" STANDARD PITCH CURB UNLESS OTHERWISE NOTED.

48. FOR CITY WATER AND SEWER LINE LOCATIONS, CONTACT THE UTILITIES PROTECTION CENTER (1-800-282-7411) A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO DIGGING.

49. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE REPORT OF GEOTECHNICAL ENGINEERING REPORT PREPARED FOR THIS PROJECT BY WHITAKER LABORATORY INC. A COPY CAN BE OBTAINED, AT CONTRACTOR'S EXPENSE, EITHER DIRECTLY FROM WHITAKER OR FROM THE ENGINEER.

50. STORM SEWER SPECIFICATIONS FOR MANHOLE COVER IN STREET:

GENERAL: ALL CASTINGS SHALL BE MANUFACTURED IN THE UNITED STATES OF AMERICA BY NEENAH FOUNDRY COMPANY, U.S. FOUNDRY & MANUFACTURING CORPORATION, EAST JORDAN IRON WORKS, INC. OR APPROVED EQUAL. THEY SHALL BE OF UNIFORM QUALITY, FREE FROM SAND HOLES, SHRINKAGE, CRACKS, COLD SHUTS OR OTHER DEFECTS. CASTINGS SHALL BE SMOOTH AND WELL CLEANED BY SHOT BLASTING.

MATERIALS: GRAY IRON CASTINGS SHALL BE MANUFACTURED FROM IRON CONFORMING TO ASTM A48 CLASS 35B AND ASTM A48 CLASS 30. DUCTILE IRON CASTINGS SHALL BE MANUFACTURED TRUE TO PATTERN AND COMPONENT PARTS SHALL FIT TOGETHER PROPERLY. ROUND MANHOLE FRAMES, COVERS AND GRATES SHALL HAVE MACHINED BEARING SURFACES TO PREVENT ROCKING. TOLERANCES SHALL BE ACCEPTED FOUNDRY STANDARDS AS OUTLINED IN THE IRON CASTINGS HANDBOOK PUBLISHED BY THE AMERICAN FOUNDRYMEN'S SOCIETY, INC. CASTINGS WEIGHTS SHALL NOT VARY MORE THAN 5% ABOVE OR BELOW THOSE VALUES REPRESENTED BY THE MANUFACTURER.

MARKINGS: ALL CASTINGS SHALL BE CLEARLY MARKED WITH THE MANUFACTURE'S NAME, COMPANY LOGO AND "MADE IN USA" IN CAST LETTERS ADDITIONALLY, THE TOP OR TRAFFIC SIDE OF ALL CASTINGS SHALL BE CLEARLY MARKED "STORM" AND "CITY OF PORT WENTWORTH" IN FLUSH CAST LETTERS AND THE TOP OR TRAFFIC SIDE OF ALL CASTINGS DESIGNED TO COLLECT WATER, (CATCH BASINS, GRATES, ETC.) SHALL BE CLEARLY MARKED "DRAINS TO RIVER - DO NOT DUMP" OR SIMILAR VERBIAGE THAT ACHIEVES THE SAME MEANING.

51. INTERNATIONAL FIRE CODE, 2018 EDITION:

SECTION 3310
ACCESS FOR FIREFIGHTING
3310.1 REQUIRED ACCESS. APPROVED VEHICLE ACCESS FOR FIREFIGHTING SHALL BE PROVIDED TO ALL CONSTRUCTION OR DEMOLITION SITES. VEHICLE ACCESS SHALL BE PROVIDED TO WITHIN 100 FEET (30.5 METERS) OF TEMPORARY OR PERMANENT FIRE DEPARTMENT CONNECTIONS. VEHICLE ACCESS SHALL BE PROVIDED BY EITHER TEMPORARY OR PERMANENT ROADS, CAPABLE OF SUPPORTING VEHICLE LOADING UNDER ALL WEATHER CONDITIONS. VEHICLE ACCESS SHALL BE MAINTAINED UNTIL PERMANENT FIRE APPARATUS ACCESS ROADS ARE AVAILABLE.

SECTION 3312
WATER SUPPLY FOR FIRE PROTECTION
3312.1 WHEN REQUIRED. AN APPROVED WATER SUPPLY FOR FIRE PROTECTION, EITHER TEMPORARY OR PERMANENT, SHALL BE MADE AVAILABLE AS SOON AS COMBUSTIBLE MATERIAL ARRIVES ON THE SITE.

52. MAXIMUM BUILDING HEIGHT IS TO BE 45' PER APPENDIX A, ARTICLE III, SECTION 6 OF THE CITY OF PORT WENTWORTH CODIFIED ORDINANCES.

53. IN THE CASE OF ANY CONFLICT OF THESE CONSTRUCTION DOCUMENTS AND THE CITY OF PORT WENTWORTH CODIFIED ORDINANCES, STANDARDS, SPECIFICATIONS, OR DETAILS, THE CITY OF PORT WENTWORTH STANDARDS ARE TO TAKE PRECEDENCE.

ADA NOTES:

1. ACCESSIBLE ROUTE - EXTERIOR:
   MINIMUM CLEAR WIDTH IS 3'. IF ACCESSIBLE ROUTE HAS LESS THAN 5' CLEAR WIDTH, THEN PASSING SPACES AT LEAST 5'X5' SHALL BE LOCATED EVERY 200' OR LESS (INTERSECTING SIDEWALKS MEET THIS REQUIREMENT). LONGITUDINAL (RUNNING) SLOPE MAY NOT EXCEED 5% UNLESS RAMP IS INSTALLED (RAMPS MAY NOT EXCEED 8.33%). CROSS SLOPE MAY NOT EXCEED 2%. GAPS IN ROUTE MAY NOT EXCEED 1/2" IN WIDTH.
2. FINISHED SURFACE HEIGHT DIFFERENCE REQUIREMENTS:
   A. 0 TO 1/4" : NO REQUIREMENTS
   B. 1/4" TO 1/2" : BEVEL WITH 1:2 SLOPE
   C. LARGER THAN 1/2" : CONFORM TO REQUIREMENTS FOR RAMP
3. RAMPS:
   - MAX RAMP SLOPE 8.33% (1:12)
   - RAMPS STEEPER THAN 8.33% ARE NOT ACCEPTABLE
   - MAX RISE FOR ANY RAMP RUN IS 30" (AT 8.33% SLOPE, MAXIMUM RUN OF RAMP IS 30')
   - MAX CROSS SLOPE OF RAMP 2% (1:50)

   A. LANDINGS :
   - RAMPS SHALL HAVE LEVEL LANDINGS AT BOTTOM AND TOP OF EACH RAMP.
   - LANDINGS SHALL BE AT LEAST AS WIDE AS RAMP LEADING TO IT.
   - LANDING LENGTH SHALL BE MINIMUM 5' CLEAR
   - IF RAMPS CHANGE DIRECTION AT LANDING, MINIMUM LANDING SIZE SHALL BE 5'X5'.
   - ALL LANDINGS ARE TO BE NO MORE THAN 2% SLOPE IN ANY DIRECTION.

   B. HANDRAILS:
   - HANDRAILS REQUIRED ON BOTH SIDES (MIN. 36" CLEAR BETWEEN HANDRAILS) WHEN RAMP RISE IS GREATER THAN 6".
   - PROVIDE MINIMUM 12" LONG HANDRAIL EXTENSIONS AT TOP AND BOTTOM LANDINGS.
   - PROVIDE MINIMUM 2" HIGH EDGE PROTECTION OR RAIL WITH LESS THAN 4" CLEAR TO RAMP IF RAMP HAS DROP-OFFS.
   - ROUTES BETWEEN BUILDINGS WITH ONLY DWELLING UNITS DO NOT HAVE TO HAVE HANDRAILS.
   - STAIRS NOT ALLOWED AS PART OF ACCESSIBLE ROUTE BUT IF ADJACENT TO ROUTE OR PART OF TENANT SPACE MUST MEET REQUIREMENTS FOR STAIR RAILS.
4. CURB RAMPS :
   - MAX SLOPE OF CURB RAMP 8.33%
   - MAX SLOPE OF SIDE FLARES 10%
   - MAX SLOPE OF ADJOINING GUTTERS, ROAD SURFACE, OR ACCESSIBLE ROUTE 5%.
   - MIN WIDTH 36" (NOT INCLUDING SIDE FLARES).
   - DETECTABLE WARNING IS REQUIRED ON CURB RAMPS IN PUBLIC RIGHT OF WAYS, AND SHALL BE 24" MINIMUM IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE. DETECTABLE WARNINGS SHALL BE LOCATED SO THE EDGE NEAREST THE CURB LINE IS 6" TO 8" FROM THE CURB LINE.
5. PAVEMENT MARKINGS :
   - AS REQUIRED BY LOCAL JURISDICTIONAL AUTHORITY (RECOMMENDED CROSSWALK MARKING TO DESIGNATE ACCESSIBLE PEDESTRIAN ROUTE)
6. PARKING SPACES :
   - MINIMUM 8' WIDE ACCESSIBLE PARKING SPACE.
   - MINIMUM 5' WIDE ACCESS AISLE AT STANDARD SPACES
   - MINIMUM 8' WIDE ACCESS AISLE AT VAN ACCESSIBLE SPACES
   - MAXIMUM 2% (1:50) SLOPE IN ANY DIRECTION
7. SIGNAGE :
   ACCESSIBLE PARKING SPACES SHALL BE DESIGNATED AS RESERVED BY A SIGN SHOWING THE SYMBOL OF ACCESSIBILITY. VAN ACCESSIBLE SPACES SHALL HAVE AN ADDITIONAL SIGN "VAN ACCESSIBLE" MOUNTED BELOW THE SYMBOL. SUCH SIGNS SHALL BE LOCATED SO THEY CANNOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE (SIGNAGE TO BE INSTALLED AT A MINIMUM HEIGHT OF 7' TO BOTTOM OF VAN ACCESSIBLE DESIGNATION, AND 7' MINIMUM TO THE BOTTOM OF ALL OTHER SIGN FACES).
8. ACCESSIBLE ROUTES :
   MUST COMPLY WITH ADA, THE FAIR HOUSING ACT AND ICC/ANSI A117.1-2003

WATER - SEWER NOTES:

1. HIGHLY CHLORINATED WATER USED IN THE DISINFECTION PROCESS SHALL BE HANDLED AND DISPOSED OF IN ACCORDANCE WITH THE LATEST CITY OF PORT WENTWORTH CONSTRUCTION SPECIFICATIONS.

2. ANY PIPE, SOLDER AND FLUX USED DURING INSTALLATION OF THE WATER LINES MUST BE "LEAD FREE" IN ACCORDANCE WITH THE LATEST CITY OFPORT WENTWORTH CONSTRUCTION SPECIFICATIONS.

3. MAINTAIN MINIMUM HORIZONTAL/VERTICAL CLEARANCE IN ACCORDANCE WITH THE LATEST CITY OF PORT WENTWORTH CONSTRUCTION SPECIFICATIONS.

4. WHERE THE WATER MAIN CROSSES SEWER OR STORM PIPES, THE WATER LINE SHALL BE DUCTILE IRON IN ACCORDANCE WITH THE LATEST CITY OF PORT WENTWORTH CONSTRUCTION SPECIFICATIONS.

5. THE CONTRACTOR IS RESPONSIBLE TO BRING PROPOSED MANHOLE TOPS TO GRADE.

6. MAXIMUM COVER FOR THE WATER MAIN SHALL BE IN ACCORDANCE WITH THE LATEST CITY OF PORT WENTWORTH CONSTRUCTION SPECIFICATIONS.

7. CONTRACTOR TO VERIFY ALL INVERT ELEVATIONS OF SANITARY SEWER LATERALS PRIOR TO CONSTRUCTION. NOTIFY ENGINEER WITH INVERT DATA TO INSURE THERE ARE NO CONFLICTS.

8. ALL FILLING AND HYDROSTATIC TESTING OF NEW MAINS SHALL BE COORDINATED WITH AND WITNESSED BY THE CITY'S INSPECTOR.

9. INTERNAL FIRE SPRINKLER PROTECTION IS TO BE DESIGNED AND SUBMITTED SEPARATELY, BY OTHERS, TO BUILDING INSPECTIONS AS NECESSARY.

10. INDUSTRIAL WASTEWATER DISCHARGE IS NOT ANTICIPATED NOR DESIGNED FOR WITH THIS DEVELOPMENT.

11. IN ADDITION TO THE SEDIMENTATION AND EROSION CONTROL MEASURES AS INDICATED ON THE PLANS THE CONTRACTOR SHALL TAKE WHATEVER ACTIONS AS ARE NECESSARY TO ENSURE THAT ALL SEDIMENTATION IS CONFINED TO THE SITE AND THAT NO OFFSITE EROSION IS CAUSED BY THE WORK EITHER DIRECTLY OR INDIRECTLY.

SITE INFORMATION:

PARENT PIN: 7-0975-01-025

ZONING DISTRICT: P-R-M

FLOOD ZONE: ZONE AE (B.F.E: 13'), ZONE X (SHADED),
ZONE X

SIZE: 23.70 AC

PROPOSED LAND USE: MULTIFAMILY RESIDENTIAL

EROSION CONTROL NOTES:

1. EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING BEST MANAGEMENT PRACTICES (BMP'S) ON THE SITE AT ALL TIMES IN ACCORDANCE WITH THESE PLANS AND THE "MANUAL FOR EROSION AND SEDIMENT CONTROL OF GEORGIA".

2. NARRATIVE DESCRIPTION:

   LOCATION: JEFFERS ROAD PORT WENTWORTH,GEORGIA

   PINs: 7-0975-01-025

   NATURE OF WORK: PRIVATE MULTI-FAMILY DEVELOPMENT WITH NECESSARY INFRASTRUCTURE TO SUPPORT

   SIZE: TOTAL PROPERTY ACREAGE: 23.70 AC
   DISTURBED ACREAGE: ±19.45 AC

   ZONING CLASSIFICATION: P-R-M

   MAXIMUM BUILDING HEIGHT: NA

   PHASES: THE WORK WILL BE PERFORMED IN ONE PHASE.

3. THERE ARE APPARENT WATERS OF THE UNITED STATES WITHIN 200 FEET OF THE PROJECT SITE.

4. THERE ARE APPARENT WETLANDS PRESENT ON THE PROPERTY.

5. ALL SUITABLE TOPSOIL WILL BE STOCKPILED BY THE CONTRACTOR AND SPREAD IN PROPOSED VEGETATIVE AREAS PRIOR TO LANDSCAPE INSTALLATION.

6. THE SOILS ON SITE ARE CAPE FEAR SOILS (Cc), OCILLA COMPLEX (Oj), OGEECHEE LOAMY FINE SAND (Ok), POOLER FINE SANDY LOAM (Pn).

7. THIS SITE IS CURRENTLY UNDEVELOPED.

8. THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL OF GEORGIA".

9. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE OWNER.

10. THE CONTRACTOR SHALL ENSURE THAT STRUCTURAL EROSION CONTROL MEASURES ARE INSPECTED DAILY. ANY DEFICIENCIES, INCLUDING SILT REMOVAL, OBSERVED SHALL BE REPAIRED BY THE END OF THAT DAY'S WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A DAILY INSPECTION LOG AND NOTIFYING THE OWNER AND ENGINEER OF ANY DEFICIENCIES IDENTIFIED IN THE EROSION CONTROL MEASURES. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS ARE STABILIZED.

11. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

12. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL WILL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

13. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD OF GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

14. ACCORDING TO THE FLOOD INSURANCE RATE MAPS, AS PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, THIS PROJECT SITE DOES APPEAR TO LIE IN AN FLOOD HAZARD AREA AS DEPICTED ON FIRM PANEL NO. 13051C0030G EFFECTIVE DATE: AUGUST 16, 2018.

15. CONTACT INFORMATION:

CIVIL ENGINEER:	OWNER/REPRESENTATIVE CONTACT:
NEIL MCKENZIE, PE	LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC
COLEMAN COMPANY, INC.	ATTN: MR. HUNTER BENTON
1480 CHATHAM PKWY, SUITE 100	1744 OXMOOR ROAD
SAVANNAH, GA 31405	HOMEWOOD, AL 35209
P: 912.200.3041	hbenton@lms-realestate.com
F: 912.200.3056	

16. THE INITIAL RECEIVING WATER FOR THIS PROJECT IS A TRIBUTARY TO BLACK CREEK. FINAL RECEIVING WATERS IS THE SAVANNAH RIVER.
17. ANY ON-SITE FUEL STORAGE TANK MUST BE PROTECTED FROM LEAKS, SPILLS, AND RUPTURE AS PER APPLICABLE CODES.
18. SILT FENCE MUST BE INSPECTED DAILY FOR FAILURES AND CLEANED OUT WHEN SILT REACHES 1/2 THE FENCE HEIGHT.
19. ALL TEMPORARY BMPS FOR EROSION & SEDIMENT CONTROL SHALL BE REMOVED ONCE FINAL STABILIZATION IS ACHIEVED.

Know what's below. Call before you dig.

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | CCI-SAV.COM

NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. PE036652 PROFESSIONAL ENGINEER NEIL P. McKENZIE 9/1/21

REVISIONS:

CIVIL CONSTRUCTION PLANS FOR
LMS COTTAGES
LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC

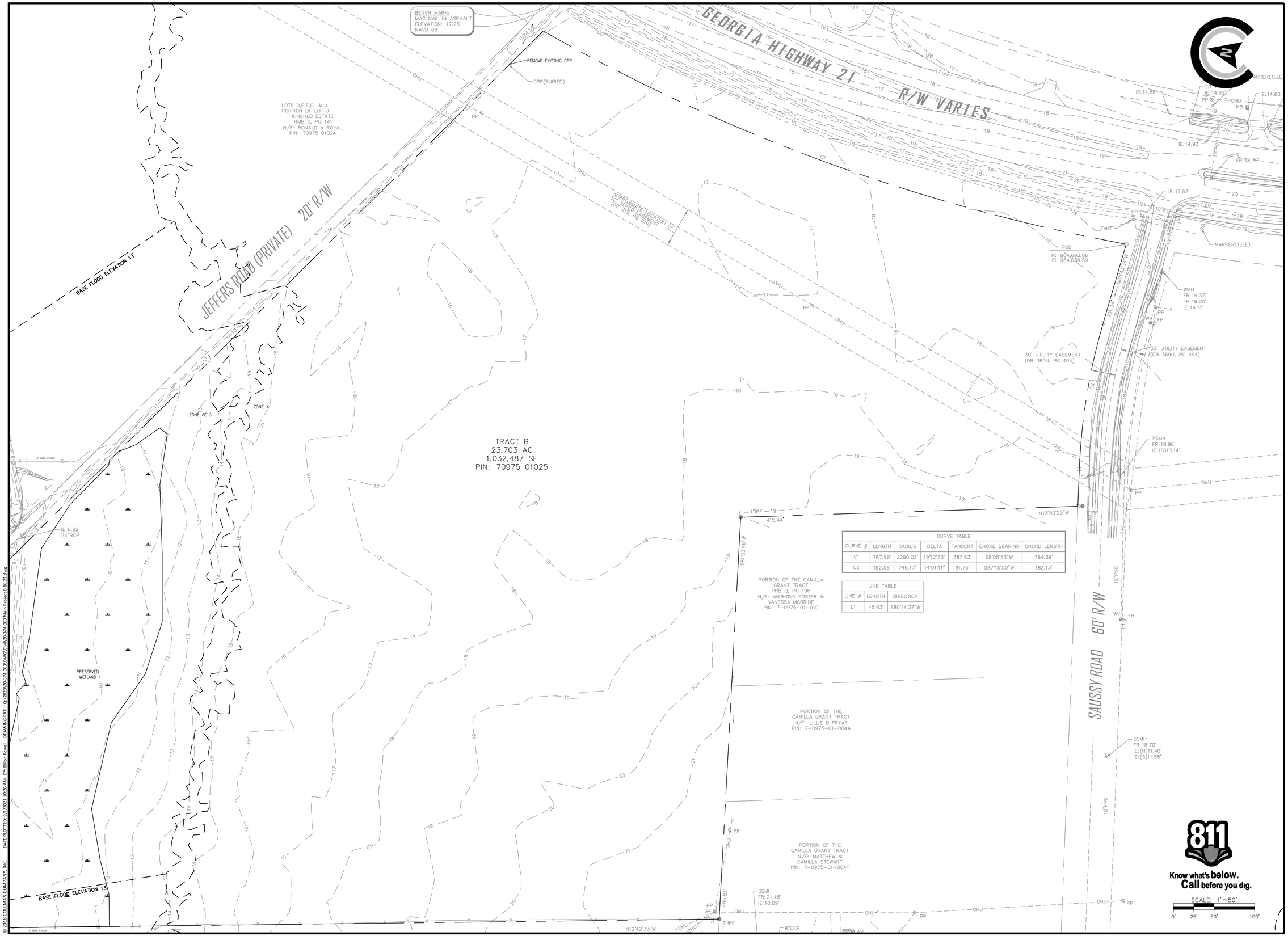
JOB NUMBER:	20-374.003
DATE:	6/30/21
DRAWN BY:	DCP
CHECKED BY:	NPM
SCALE:	AS NOTED

CONSTRUCTION NOTES

SHEET:
C1.0

© 2018 COLEMAN COMPANY, INC. DATE PLOTTED: 9/1/2021 10:25 AM BY: Dillon Powell DRAWING PATH: Q:\2020\20-374.003\DWG\Civil\20-374.003 Main Project 6.16.21.dwg

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)



CURVE TABLE

CURVE #	LENGTH	RADIUS	DELTA	TANGENT	CHORD BEARING	CHORD LENGTH
C1	767.99'	2290.03'	19°12'53"	387.63'	S8°05'53"W	764.39'
C2	182.58'	746.17'	14°01'11"	91.75'	S87°15'50"W	182.13'

LINE TABLE

LINE #	LENGTH	DIRECTION
L1	45.93'	S80°14'37"W

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | CCI-SAV.COM

NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. PE036652 PROFESSIONAL ENGINEER NEIL P. McKENZIE 9/1/21

REVISIONS:

CIVIL CONSTRUCTION PLANS FOR
LMS COTTAGES
LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC

JOB NUMBER:	20-374.003
DATE:	6/30/21
DRAWN BY:	DCP
CHECKED BY:	NPM
SCALE:	AS NOTED

EXISTING CONDITIONS

SHEET:
C2.0

© 2018 COLEMAN COMPANY, INC. DATE PLOTTED: 9/1/2021 10:26 AM BY: Dillon Powell DRAWING PATH: Q:\2020\20-374.003\DWG\Civil\20-374.003 Main Project 6.16.21.dwg

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

BENCH MARK:
MAG NAIL IN ASPHALT
ELEVATION: 17.25'
NAVD 88

GEORGIA HIGHWAY 21
R/W VARIES

JEFFERS ROAD (PRIVATE) 20' R/W

BASE FLOOD ELEVATION 13'

LOTS D,E,F,G, & A
PORTION OF LOT J
KINCHLO ESTATE
HMB 5, PG 141
N/F: RONALD A ROYAL
PIN: 70975 01024

DO NOT ENTER SIGN (TYP)

DROP ARM BARRIER & KNOX BOX FOR EMERGENCY ACCESS. RESIDENT EXIT ONLY. (CONTROLLED ACCESS)

PC: 0+96.74

HEAVY DUTY PAVEMENT PAVEMENT

DUMPSTER LOCATION (SEE ARCHITECTURAL PLANS)

POND #1A
TOP: 16.90
STATIC: 12.00
BOTTOM: 8.00
25 YEAR: 15.58
100 YEAR: 15.89

POND #1B
TOP: 17.00
STATIC: 12.00
BOTTOM: 8.00
25 YEAR: 15.58
100 YEAR: 15.89

PT: 2+04.22

APPROXIMATE LOCATION OF SEWER CONNECTION

60' BUILDING SETBACK FROM JEFFERS CL

ROAD B STATION 5+59.59
ROAD C STATION 3+74.09

MAIL PEDESTAL

ROAD B

ROAD C

PC: 8+64.94

PT: 9+89.04

LIFT STATION

HEAVY DUTY PAVEMENT PAVEMENT

LIGHT DUTY PAVEMENT PAVEMENT

10' DRIVEWAYS (TYP)

DO NOT ENTER SIGN (TYP)

HANDICAP RAMP (TYP)

CROSSWALK (TYP)

STOP SIGN (TYP)

STOP BAR (TYP)

CENTRAL GREEN
0.25 AC

POOL

CLUBHOUSE

FITNESS

PRESERVED WETLAND

EMERGENCY ACCESS POINT (9205F NDS TUFFTRACK GRASS PAVER SYSTEM OR EQUAL)

POND #2
TOP: 16.00
STATIC: 12.00
BOTTOM: 8.00
25 YEAR: 14.30
100 YEAR: 14.42

BASE FLOOD ELEVATION 13'

25' BUILDING SETBACK

10' VEGETATED BUFFER

N12°42'33"W

PC: 3+16.93

PT: 4+01.27

MAIL PEDESTAL

5' SIDEWALK (TYP)

ROAD B STATION 15+11.96
ROAD C STATION 13+17.45

PT: 10+33.10

297SF

VISITOR CALL BOX

415.44'

HEAVY DUTY PAVEMENT PAVEMENT

KNOX BOX FOR EMERGENCY ACCESS (CONTROLLED ACCESS)

ROAD A STATION 5+72.42
ROAD C STATION 6+22.28

ROAD A

EMERGENCY ACCESS POINT W/ DROP ARM BARRIERS & KNOX BOX (NDS TUFFTRACK GRASS PAVER SYSTEM OR EQUAL)

18" ROLL CURB & GUTTER (TYP)

PORTION OF THE CAMILLA GRANT TRACT
PRB Q, PG 196
N/F: ANTHONY FOSTER & VANESSA MCBRIDE
PIN: 7-0975-01-010

6' WOOD PRIVACY FENCE (TYP)

HEAVY DUTY PAVEMENT PAVEMENT

25' BUILDING SETBACK

10' VEGETATED BUFFER

S81°01'46"W

PC: 8+76.02

PORTION OF THE CAMILLA GRANT TRACT
N/F: LILLIE B FRYAR
PIN: 7-0975-01-004A

YIELD SIGN (TYP)

YIELD BAR (TYP)

PORTION OF THE CAMILLA GRANT TRACT
N/F: MATTHEW & CAMILLA STEWART
PIN: 7-0975-01-004F

APPROXIMATE LOCATION MONUMENT SIGN

10' VEGETATED BUFFER

50' BUILDING SETBACK

R1-1 STOP SIGN (TYP)

STOP BAR (TYP)

TURNING ARROW PER GDOT, TYPE 2, WHITE, (TYP)

5" DOUBLE YELLOW STRIPING

5" SOLID WHITE STRIPING

30' UTILITY EASEMENT (DB 369U, PG 494)

5" DASHED WHITE STRIPING

6' WOOD PRIVACY FENCE (TYP)

HEAVY DUTY PAVEMENT PAVEMENT

PT: 3+34.84

MILL & OVERLAY EXISTING PAVEMENT 1.5" ASPHALTIC DEPTH 9.5MM SURFACE COURSE OVERLAY (SEE DETAIL SHEET C8.1)

SAUSSY RD

494.81'

N13°50'25"W

NOTES:
- SIDEWALKS, ADA PARKING, & ACCESSIBLE ROUTES SHALL BE IN CONFORMANCE WITH FEDERAL ADA STANDARDS.
- TYPICAL SIDEWALK WIDTH IS 4' UNLESS NOTED OTHERWISE.

Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	250.000	84.346	N04° 10' 30.38"W	(954545.3499,805041.2243)	(954539.2382,805124.9478)
C2	79.000	124.093	N58° 50' 25.49"W	(954428.3194,805575.1573)	(954332.7148,805632.9654)
C3	100.000	157.080	N58° 50' 25.49"W	(954014.0144,805158.5996)	(953892.9959,805231.7743)
C4	106.000	107.479	S47° 06' 43.47"W	(954741.7243,805389.3588)	(954666.3064,805319.3058)

SITE DATA:

PROPERTY AREA: 23.70 AC
WETLANDS: 4.20 AC
IMPERVIOUS: 11.39 AC
PERVIOUS: 8.11 AC

UNITS PROVIDED: 205 UNITS
UPLAND AC: 19.50 = 205 UNITS @ 10.5 UNITS PER AC

STORM DETENTION: 2.21 AC = 11.35%

UNIT BREAKDOWN:

A1 (1BR): 6
A2 (2BR): 16
A3 (3 BR): 10

B1 (1BR): 14
B2 (2 BR): 21
B3: (3BR): 16

C1 (1 BR): 60
C2 (2 BR): 62

TOTAL: 205 UNITS

PARKING CALCULATIONS:

1 BR = 80 UNITS X 1.5 SP/UNIT = 120 SPACES REQ'D
2 BR = 99 UNITS X 1.75 SP/UNIT = 173 SPACES REQ'D
3 BR = 26 UNITS X 2.0 SP/UNIT = 52 SPACES REQ'D

TOTAL REQUIRED = 345 SPACES REQUIRED

PARKING PROVIDED:

GARAGES = 154
DRIVEWAYS = 154
RESIDENT SURFACE PARKING = 117
CLUBHOUSE / LEASING = 7

TOTAL PARKING PROVIDED = 432 SPACES

Know what's below. Call before you dig.

SCALE: 1"=50'
0' 25' 50' 100'

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | COLSAV.COM

NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. PE036652 PROFESSIONAL ENGINEER NEIL P. McKENZIE 9/1/21

REVISIONS:

CIVIL CONSTRUCTION PLANS FOR
LMS COTTAGES
LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC

JOB NUMBER:	20-374.003
DATE:	6/30/21
DRAWN BY:	DCP
CHECKED BY:	NPM
SCALE:	AS NOTED

STAKING PLAN

SHEET:
C3.0

© 2018 COLEMAN COMPANY, INC.

DATE PLOTTED: 9/1/2021 10:26 AM BY: Dillon Powell DRAWING PATH: Q:\2020\20-374.003\DWG\Civil\20-374.003 Main Project 6.16.21.dwg

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | COLSAV.COM

NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. PE036652 PROFESSIONAL ENGINEER NEIL P. McKENZIE 9/1/21

REVISIONS:

CIVIL CONSTRUCTION PLANS FOR
SAUSSY FARMS
LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC

JOB NUMBER:	20-374.003
DATE:	6/29/21
DRAWN BY:	DCP
CHECKED BY:	NPM
SCALE:	AS NOTED

PAVING, GRADING, & DRAINAGE PLAN

SHEET:
C4.0

GRADING LEGEND	
HP	HIGH POINT
LP	LOW POINT
EP	EDGE OF PAVEMENT
BP	BREAKING POINT
FP	FINISHED PAD
FF	FINISHED FLOOR

NOTES:
- SECONDARY DRAINAGE TO BE 12" PVC @ 0.30% MINIMUM UNLESS NOTED OTHERWISE.
- GRADE LOTS TO DRAIN
- SEE GEOTECH REPORT NO. 12-2-20-S-R1 BY WHITAKER LABS FOR SITE WORK RECOMMENDATIONS. CONTRACTOR IS ENCOURAGED TO ABIDE BY ALL GEOTECHNICAL RECOMMENDATIONS.
- PLACE SUBGRADE DRAINS AT PERIMETER OF ALL STRUCTURES AND AT LEAST 50' IN BOTH DIRECTIONS FROM DRAINAGE INLETS.
- THERE SHALL BE NO IMPACTS TO THE PRESERVED WETLANDS.
- PERFORMANCE BOND WILL BE REQUIRED PRIOR TO CONSTRUCTION.
- THERE SHALL BE NO ADVERSE UPSTREAM OR DOWNSTREAM IMPACTS TO EXISTING STORMWATER SYSTEM.

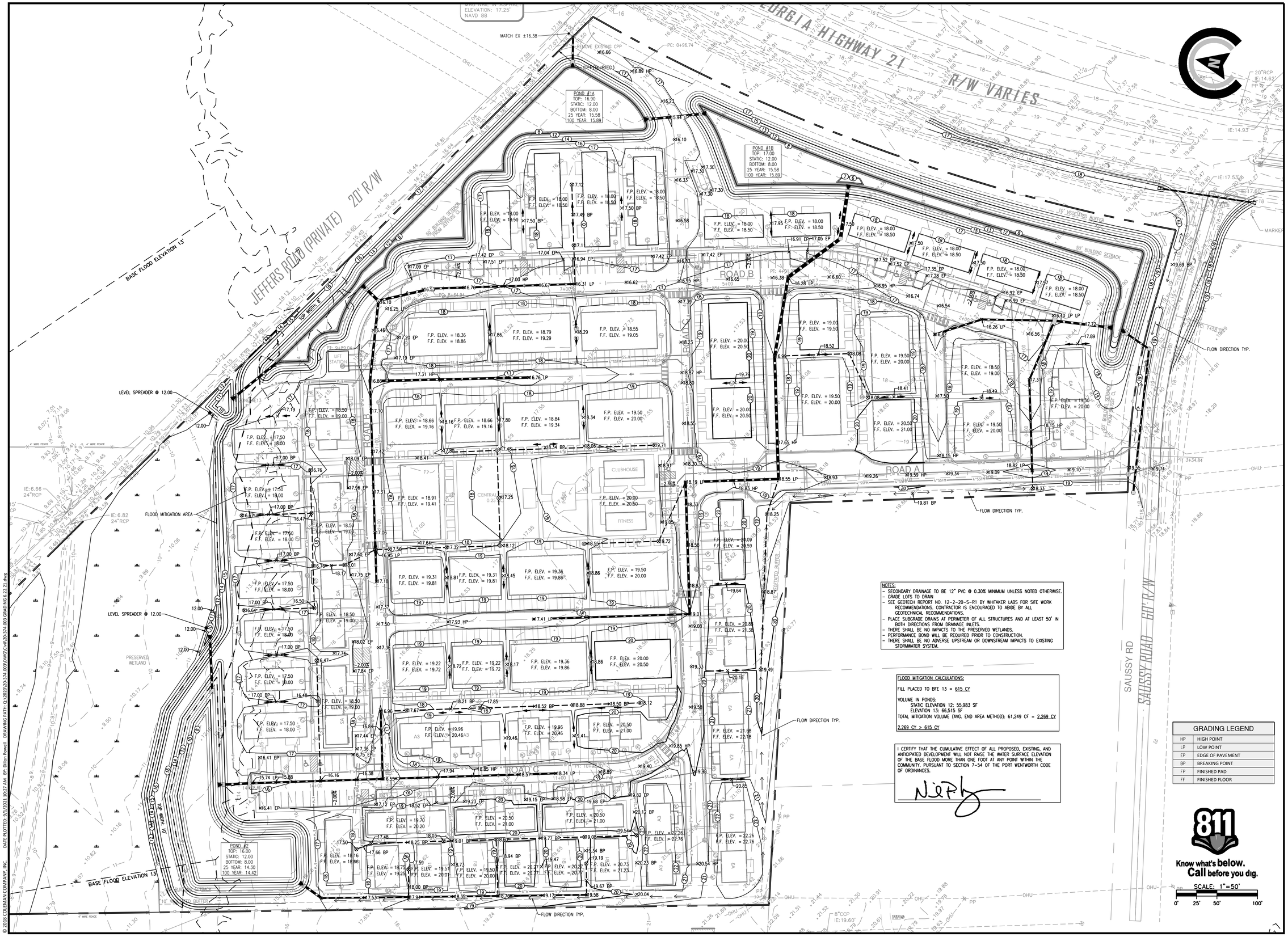
811 Know what's below. Call before you dig.

SCALE: 1"=50'
0' 25' 50' 100'

© 2018 COLEMAN COMPANY, INC.

DATE PLOTTED: 9/1/2021 10:26 AM BY: Dillon Powell DRAWING PATH: Q:\2020\20-374.003\DWG\Civil\20-374.003 GRADING 6.22.21.dwg

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)



NOTES:
- SECONDARY DRAINAGE TO BE 12" PVC @ 0.30% MINIMUM UNLESS NOTED OTHERWISE.
- GRADE LOTS TO DRAIN
- SEE GEOTECH REPORT NO. 12-2-20-S-R1 BY WHITAKER LABS FOR SITE WORK RECOMMENDATIONS. CONTRACTOR IS ENCOURAGED TO ABIDE BY ALL GEOTECHNICAL RECOMMENDATIONS.
- PLACE SUBGRADE DRAINS AT PERIMETER OF ALL STRUCTURES AND AT LEAST 50' IN BOTH DIRECTIONS FROM DRAINAGE INLETS.
- THERE SHALL BE NO IMPACTS TO THE PRESERVED WETLANDS.
- PERFORMANCE BOND WILL BE REQUIRED PRIOR TO CONSTRUCTION.
- THERE SHALL BE NO ADVERSE UPSTREAM OR DOWNSTREAM IMPACTS TO EXISTING STORMWATER SYSTEM.

FLOOD MITIGATION CALCULATIONS:

FILL PLACED TO BFE 13 = 615 CY

VOLUME IN PONDS:
STATIC ELEVATION 12: 55,983 SF
ELEVATION 13: 66,515 SF
TOTAL MITIGATION VOLUME (AVG. END AREA METHOD): 61,249 CF = 2,269 CY

2,269 CY > 615 CY

I CERTIFY THAT THE CUMULATIVE EFFECT OF ALL PROPOSED, EXISTING, AND ANTICIPATED DEVELOPMENT WILL NOT RAISE THE WATER SURFACE ELEVATION OF THE BASE FLOOD MORE THAN ONE FOOT AT ANY POINT WITHIN THE COMMUNITY. PURSUANT TO SECTION 7-54 OF THE PORT WENTWORTH CODE OF ORDINANCES.

GRADING LEGEND	
HP	HIGH POINT
LP	LOW POINT
EP	EDGE OF PAVEMENT
BP	BREAKING POINT
FP	FINISHED PAD
FF	FINISHED FLOOR

Know what's below. Call before you dig.

SCALE: 1"=50'
0' 25' 50' 100'

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | COLSAV.COM

NOT FOR CONSTRUCTION

GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. PE036652
NEIL P. McKENZIE
9/1/21

REVISIONS:

CIVIL CONSTRUCTION PLANS FOR SAUSSY FARMS

LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC

JOB NUMBER:	20-374.003
DATE:	6/29/21
DRAWN BY:	DCP
CHECKED BY:	NPM
SCALE:	AS NOTED

NEIGHBORHOOD GRADING PLAN

SHEET:
C5.0

© 2018 COLEMAN COMPANY, INC.
DATE PLOTTED: 9/1/2021 10:27 AM BY: Dillon Powell DRAWING PATH: O:\2020\20-374.003\DWG\Civil\20-374.003 GRADING 6.22.21.dwg

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

BENCH MARK:
MAG NAIL IN ASPHALT
ELEVATION: 17.25'
NAVD 88

GEORGIA HIGHWAY 21
R/W VARIES

JAFFERS ROAD (PRIVATE) 20' R/W

BASE FLOOD ELEVATION 13'

CONTRACTOR TO FIELD VERIFY UTILITIES IN GDOT RIGHT OF WAY & RELOCATE AS NEEDED

ROAD A
ROAD B
ROAD C

SAUSSY RD

POND #1A
TOP: 16.90
STATIC: 12.00
BOTTOM: 8.00
25 YEAR: 15.58
100 YEAR: 15.89

POND #1B
TOP: 17.00
STATIC: 12.00
BOTTOM: 8.00
25 YEAR: 15.58
100 YEAR: 15.89

POND #2
TOP: 16.00
STATIC: 12.00
BOTTOM: 8.00
25 YEAR: 14.30
100 YEAR: 14.42

SSMH-1
TOP: 19.42
I.E. OUT (SSMH-2): 15.28

SSMH-2
TOP: 17.10
I.E. IN (SSMH-1): 14.49
I.E. OUT (SSMH-3): 14.39

SSMH-3
TOP: 17.87
I.E. IN (SSMH-2): 13.60
I.E. IN (SSMH-4): 13.70
I.E. OUT (SSMH-5): 13.50

SSMH-4
TOP: 20.59
I.E. OUT (SSMH-3): 15.00

SSMH-5
TOP: 16.95
I.E. IN (SSMH-3): 12.65
I.E. IN (SSMH-6): 12.65
I.E. OUT (SSMH-8): 12.45

SSMH-6
TOP: 17.29
I.E. IN (SSMH-7): 13.06
I.E. OUT (SSMH-5): 12.96

SSMH-7
TOP: 17.33
I.E. OUT (SSMH-6): 13.55

SSMH-8
TOP: 18.71
I.E. IN (SSMH-5): 11.92
I.E. IN (SSMH-9): 10.42
I.E. OUT (SSMH-27): 10.22

SSMH-9
TOP: 18.48
I.E. OUT (SSMH-8): 11.11

SSMH-10
TOP: 19.24
I.E. OUT (SSMH-20): 14.12

SSMH-11
TOP: 19.44
I.E. OUT (SSMH-12): 14.48

SSMH-12
TOP: 20.17
I.E. IN (SSMH-11): 13.90
I.E. OUT (SSMH-14): 13.70

SSMH-14
TOP: 20.41
I.E. IN (SSMH-12): 13.36
I.E. OUT (SSMH-15): 13.26

SSMH-15
TOP: 18.92
I.E. IN (SSMH-14): 12.79
I.E. OUT (SSMH-16): 12.69

SSMH-16
TOP: 18.73
I.E. IN (SSMH-15): 12.25
I.E. OUT (SSMH-17): 12.15

SSMH-17
TOP: 18.02
I.E. IN (SSMH-18): 12.56
I.E. IN (SSMH-16): 11.86
I.E. OUT (SSMH-19): 11.66

SSMH-18
TOP: 16.89
I.E. OUT (SSMH-17): 12.82

SSMH-19
TOP: 17.13
I.E. IN (SSMH-17): 11.27
I.E. OUT (SSMH-20): 11.17

SSMH-20
TOP: 17.56
I.E. IN (SSMH-19): 10.66
I.E. IN (SSMH-10): 12.73
I.E. OUT (SSMH-21): 10.56

SSMH-21
TOP: 17.61
I.E. IN (SSMH-22): 9.70
I.E. IN (SSMH-20): 9.87
I.E. OUT (SSMH-26): 9.60

SSMH-22
TOP: 17.72
I.E. IN (SSMH-23): 10.28
I.E. OUT (SSMH-21): 10.08

SSMH-23
TOP: 17.79
I.E. IN (SSMH-24): 10.87
I.E. OUT (SSMH-22): 10.77

SSMH-24
TOP: 17.80
I.E. IN (SSMH-25): 11.43
I.E. OUT (SSMH-23): 11.33

SSMH-25
TOP: 17.78
I.E. OUT (SSMH-24): 11.69

SSMH-26
TOP: 17.23
I.E. IN (SSMH-21): 9.24
I.E. OUT (SSMH-27): 9.14

SSMH-27
TOP: 17.35
I.E. IN (SSMH-8): 8.76
I.E. IN (SSMH-26): 8.94
I.E. OUT (LSMH): 8.66

SSMH-28
TOP: 19.71
I.E. IN (FORCEMAIN): 15.40
I.E. OUT (EX SSMH): 15.30
TURN FORCEMAIN UP IN MANHOLE
COAT W/ RAVEN LINER

LSMH
TOP: 17.24
I.E. IN (SSMH-27): 8.42

LIFT STATION

EX SSMH
TOP: 18.96
I.E. IN (SSMH-28): 15.08
CONNECT VIA CORE DRILL
COAT W/ RAVEN LINER

10"X8" TEE
10" GV IN MH N OF TEE
10" GV IN MH S OF TEE
8" GV IN MH E OF TEE

10"X6" TEE
10" GV IN MH S OF TEE
6" GV IN MH W OF TEE

10"X6" TEE
10" GV IN MH E OF TEE
10" GV IN MH W OF TEE
8" GV IN MH N OF TEE

10"X8" TEE
10" GV IN MH E OF TEE
10" GV IN MH W OF TEE
8" GV IN MH S OF TEE

8"X6" TEE
6" GV IN MH W OF TEE
8" GV IN MH S OF TEE

10"X6" TEE
10" GV IN MH E OF TEE
10" GV IN MH W OF TEE

10"X6" TEE
10" GV IN MH S OF TEE

10"X10" TEE
10" GV IN MH S OF TEE
10" GV IN MH E OF TEE

10"X10" TEE W/ 8" REDUCER
10" GV IN MH S OF TEE

2" BLOWOFF W/ 6" GV

FIRE HYDRANT ASSEMBLY (TYP)

ADJUST EXISTING FIRE HYDRANT ACCORDINGLY

RELOCATE COMM. BOX

RELOCATE POWER PLUG

RELOCATE POWER POLE

MARKER(TELE)

MARKER

EXISTING 8" WATERMAIN

MASTER WATER METER W/ RPZ TO BE NEPTUNE BRAND OR EQUAL

CONNECT TO EXISTING 8" W/ 10"X8" REDUCER & 8"X6" TSV IN MH

5'X5' ELECTRICAL JUNCTION BOX (TYP)

ELECTRICAL CABLE (TYP)

(2) 4" CONDUIT

(3) 4" CONDUIT

4" CONDUIT

45' BEND

22.5' BEND

60' BUILDING SETBACK FROM JAFFERS CL

50' BUILDING SETBACK

25' BUILDING SETBACK

10' VEGETATED BUFFER

10' VEGETATED BUFFER

30' UTILITY EASEMENT (DB 369U, PG 494)

60 LF 8"ø PVC @ 0.40%
122 LF 8"ø PVC @ 0.40%
78 LF 8"ø PVC @ 0.40%
211 LF 8"ø PVC @ 0.40%
198 LF 8"ø PVC @ 0.40%
52 LF 8"ø PVC @ 0.40%
468 LF 8"ø PVC @ 0.40%
49 LF 8"ø PVC @ 0.41%
787LF 8" C900 PVC WATERMAIN
95 LF 8"ø PVC @ 0.40%
121 LF 8"ø PVC @ 0.40%
173 LF 8"ø PVC @ 0.40%
350 LF 8"ø PVC @ 0.40%
115 LF 8"ø PVC @ 0.40%
127 LF 8"ø PVC @ 0.40%
145 LF 8"ø PVC @ 0.40%
85 LF 8"ø PVC @ 0.40%
72 LF 8"ø PVC @ 0.40%
109 LF 8"ø PVC @ 0.40%
118 LF 8"ø PVC @ 0.40%
37 LF 8"ø PVC @ 0.70%
801LF 6" C900 PVC WATERMAIN
260LF 6" C900 PVC WATERMAIN
234LF 6" C900 PVC WATERMAIN
449LF 6" C900 PVC WATERMAIN
385LF 6" C900 PVC WATERMAIN
1,142LF 4" PVC FORCEMAIN
53 LF 8"ø PVC @ 0.41%

CENTRAL GREEN
0.25 AC

CLUBHOUSE
POOL
FITNESS

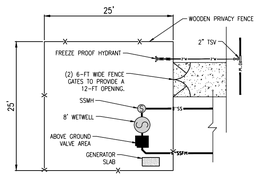
SANITARY SEWER LATERAL (TYP)
WATER SERVICE LATERAL (TYP)

PRESERVED WETLAND

CLEANOUT TYP.

NOTES:
- ONSITE WATER & SEWER WILL BE PRIVATELY OWNED & MAINTAINED. CITY OF PORT WENTWORTH IS NOT RESPONSIBLE FOR ONSITE UTILITIES.
- IRRIGATION BY OTHERS
- WATER SERVICE LATERALS SHALL BE 2" HDPE, 1" FOR SINGLE UNITS.
- ALL VALVES OVER 8" MUST BE INSIDE MANHOLES.

LIFT STATION DATA:
FLOW: 90 GPM
TDH: 19 FT
FM: 4" PVC
POWER REQUIREMENT: 230 VAC 3ø 60HZ
FLYGT XYLEM BRAND: TOP 5



LIFT STATION - SITE LAYOUT
NOT TO SCALE

SSMH
FR:18.70'
IE:(N)11.46'
IE:(S)11.58'

Know what's below.
Call before you dig.

SCALE: 1"=50'
0' 25' 50' 100'

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | COLSAV.COM

NOT FOR CONSTRUCTION

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE036652 NEIL P. McKENZIE 9/1/21

REVISIONS:

CIVIL CONSTRUCTION PLANS FOR
LMS COTTAGES
LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC

JOB NUMBER:	20-374.003
DATE:	6/30/21
DRAWN BY:	DCP
CHECKED BY:	NPM
SCALE:	AS NOTED

UTILITY PLAN

SHEET:
C6.0

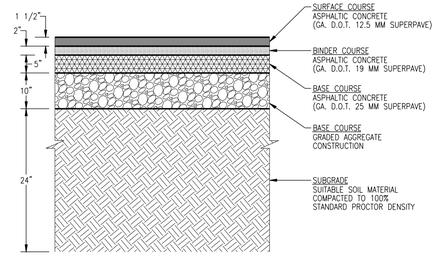
© 2018 COLEMAN COMPANY, INC.

DATE PLOTTED: 9/1/2021 1:38 PM BY: Dillon Powell DRAWING PATH: Q:\2020\20-374.003\DWG\Civil\20-374.003 Main Project 6.16.21.dwg

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

JEFFERS ROAD ENTRANCE IMPROVEMENT
SCALE: 1"=40'

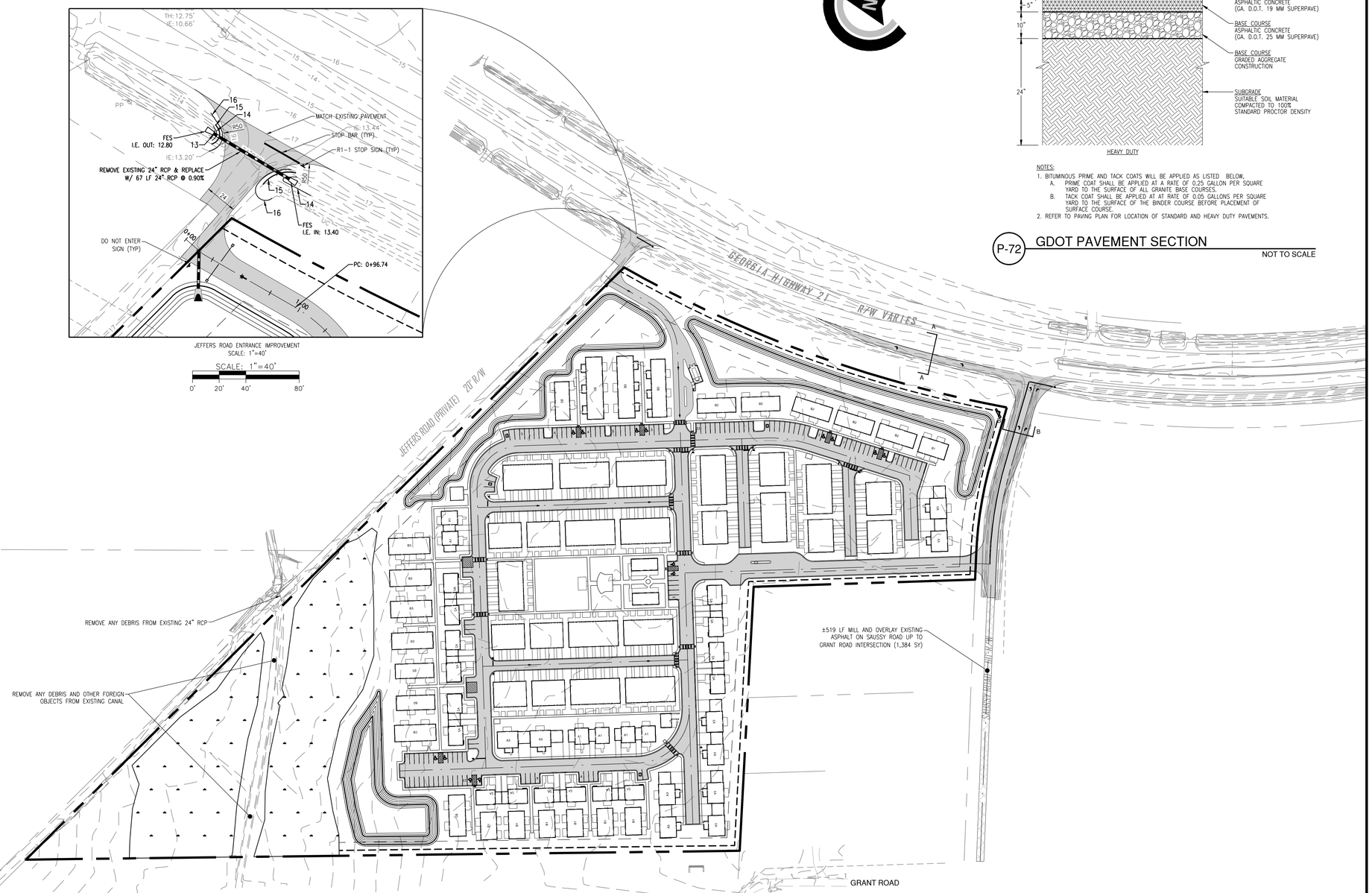
SCALE: 1"=40'
0' 20' 40' 80'

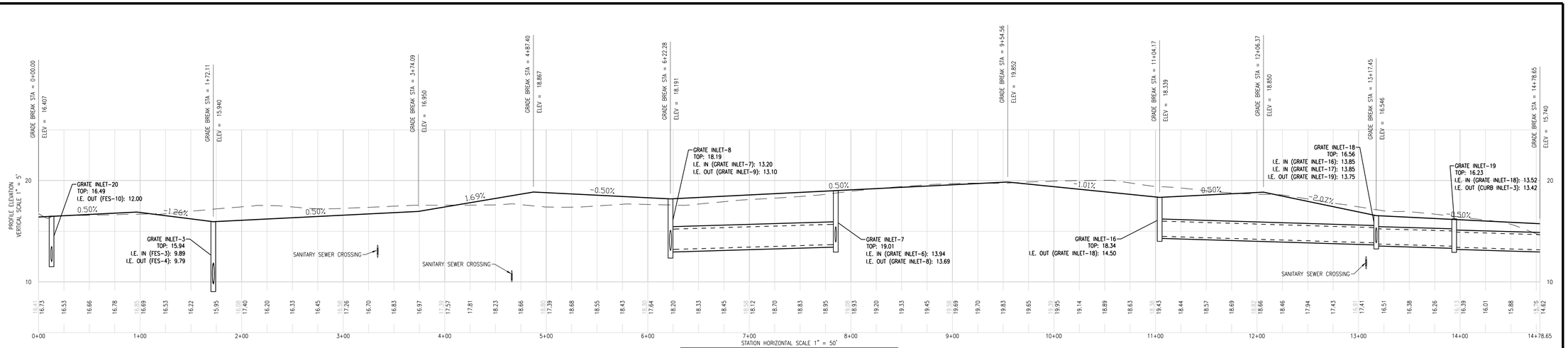


HEAVY DUTY

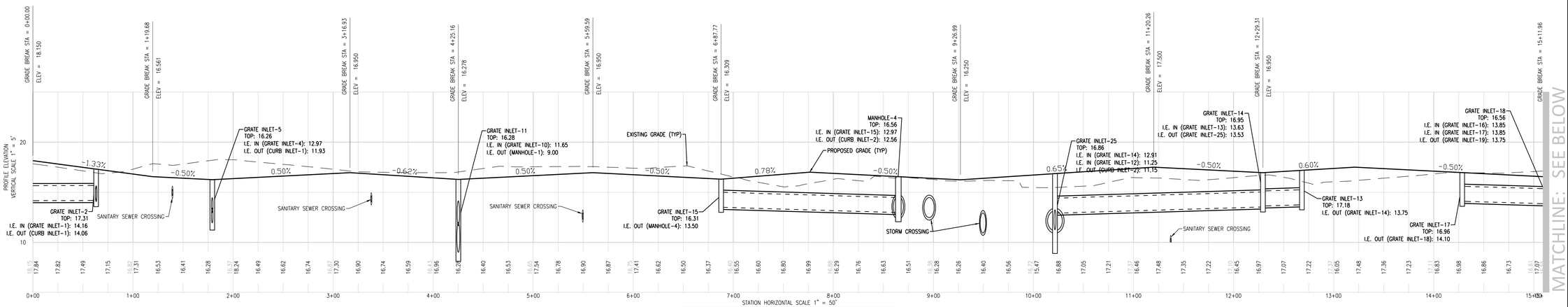
NOTES:
1. BITUMINOUS PRIME AND TACK COATS WILL BE APPLIED AS LISTED BELOW.
   A. PRIME COAT SHALL BE APPLIED AT A RATE OF 0.25 GALLON PER SQUARE YARD TO THE SURFACE OF ALL GRANITE BASE COURSES.
   B. TACK COAT SHALL BE APPLIED AT AT RATE OF 0.05 GALLONS PER SQUARE YARD TO THE SURFACE OF THE BINDER COURSE BEFORE PLACEMENT OF SURFACE COURSE.
2. REFER TO PAVING PLAN FOR LOCATION OF STANDARD AND HEAVY DUTY PAVEMENTS.

P-72 GDOT PAVEMENT SECTION
NOT TO SCALE

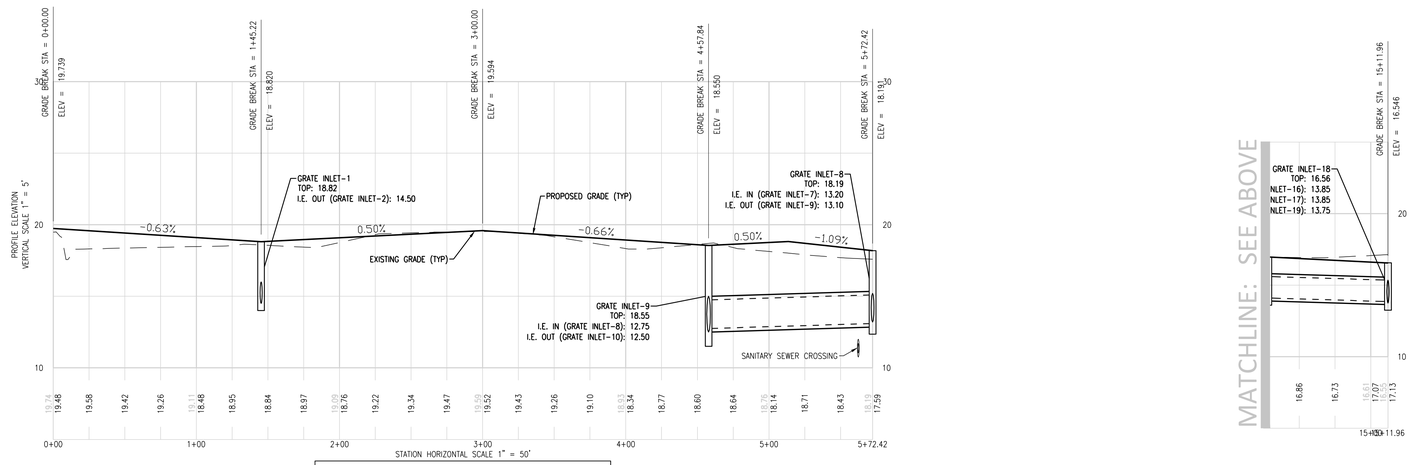




ROAD C CENTERLINE PROFILE
STA. 0+00.00 TO STA. 14+78.65



ROAD B CENTERLINE PROFILE
STA. 0+00.00 TO STA. 15+11.96



ROAD A CENTERLINE PROFILE
STA. 0+00.00 TO STA. 5+72.42

MATCHLINE: SEE ABOVE

MATCHLINE: SEE BELOW

NOT FOR CONSTRUCTION

GEORGIA REGISTERED PROFESSIONAL No. PE036652 ENGINEER NEIL P. McKENZIE 9/1/21

REVISIONS:

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | COLEMANSAV.COM

CIVIL CONSTRUCTION PLANS FOR
LMS COTTAGES
LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC

JOB NUMBER:	20-374.003
DATE:	6/30/21
DRAWN BY:	DCP
CHECKED BY:	NPM
SCALE:	AS NOTED

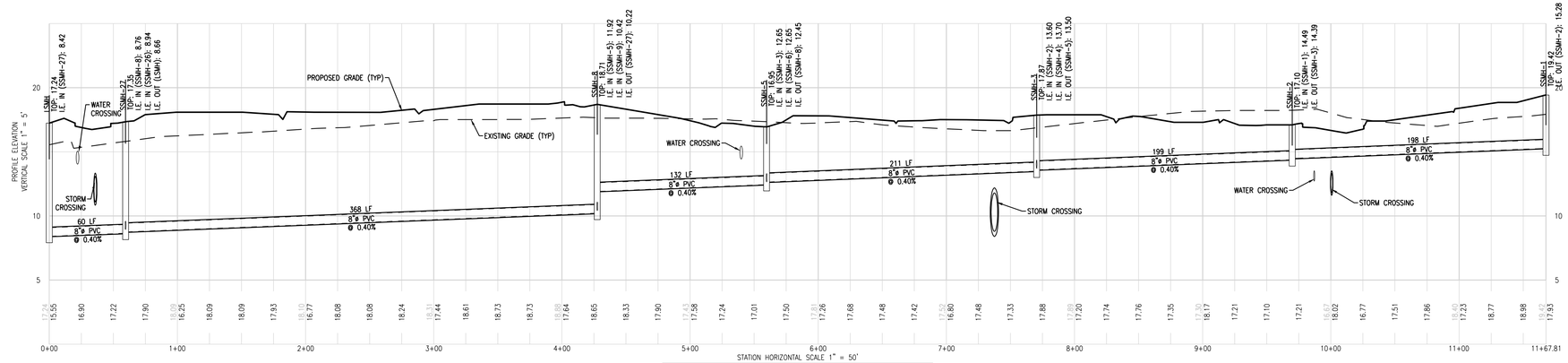
PROFILES

SHEET:
C8.0

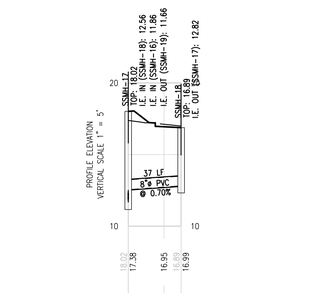
© 2018 COLEMAN COMPANY, INC.

DATE PLOTTED: 9/1/2021 10:27 AM BY: Dillon Powell DRAWING PATH: Q:\2020\20-374.003\DWG\Civil\20-374.003 Main Project 6.16.21.dwg

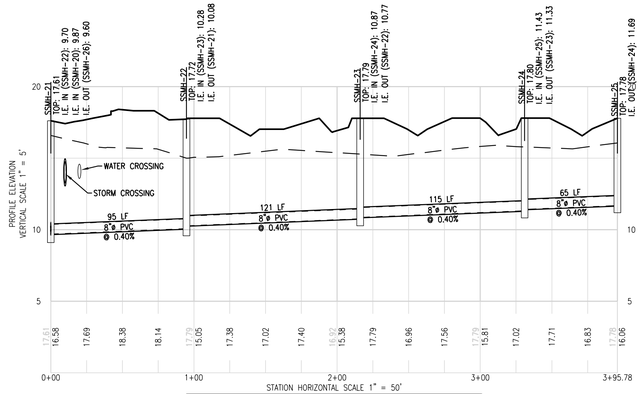
Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)



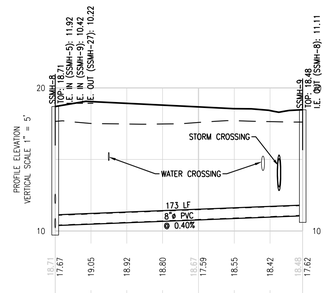
SANITARY SEWER PROFILE
STA. 0+00.00 TO STA. 11+67.81



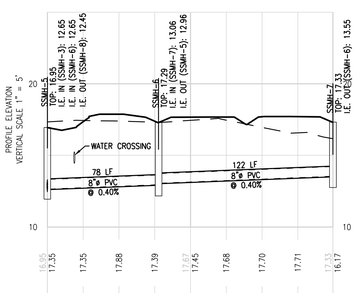
SANITARY SEWER PROFILE
STA. 0+00.00 TO STA. 0+36.94



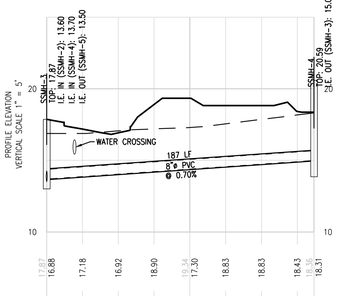
SANITARY SEWER PROFILE
STA. 0+00.00 TO STA. 3+95.78



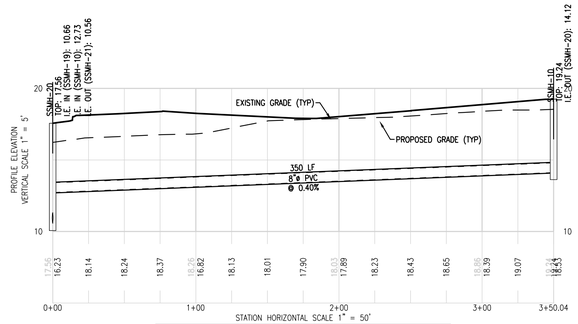
SANITARY SEWER PROFILE
STA. 0+00.00 TO STA. 1+72.83



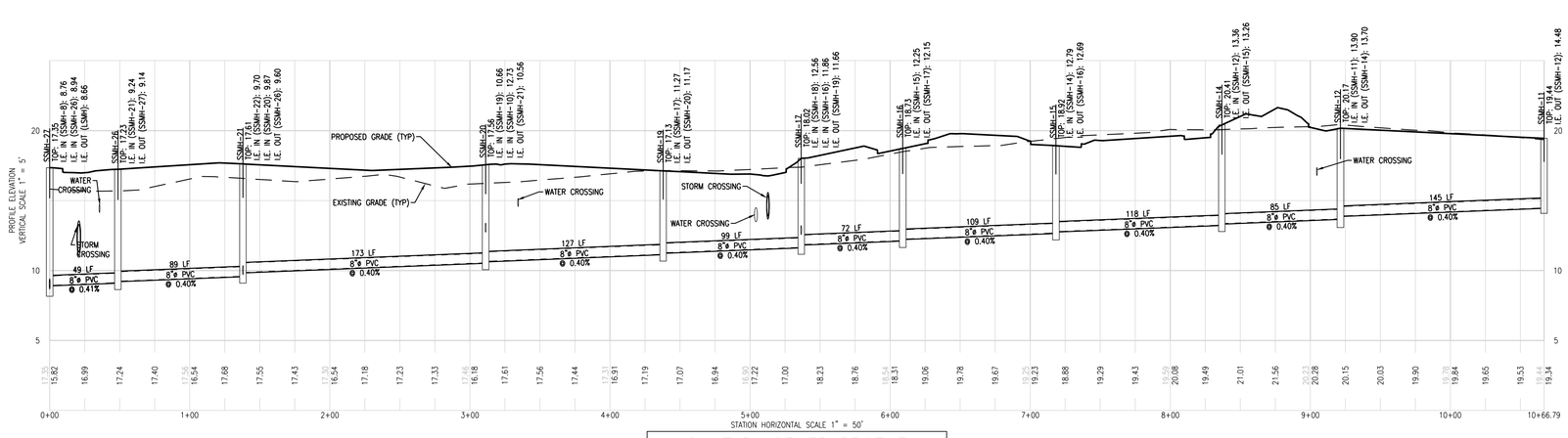
SANITARY SEWER PROFILE
STA. 0+00.00 TO STA. 1+99.48



SANITARY SEWER PROFILE
STA. 0+00.00 TO STA. 1+86.71



SANITARY SEWER PROFILE
STA. 0+00.00 TO STA. 3+50.04



SANITARY SEWER PROFILE
STA. 0+00.00 TO STA. 10+66.79

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | COLSAV.COM

NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. PE036652 PROFESSIONAL ENGINEER NEIL P. McKENZIE 9/1/21

REVISIONS:

CIVIL CONSTRUCTION PLANS FOR
LMS COTTAGES
LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC

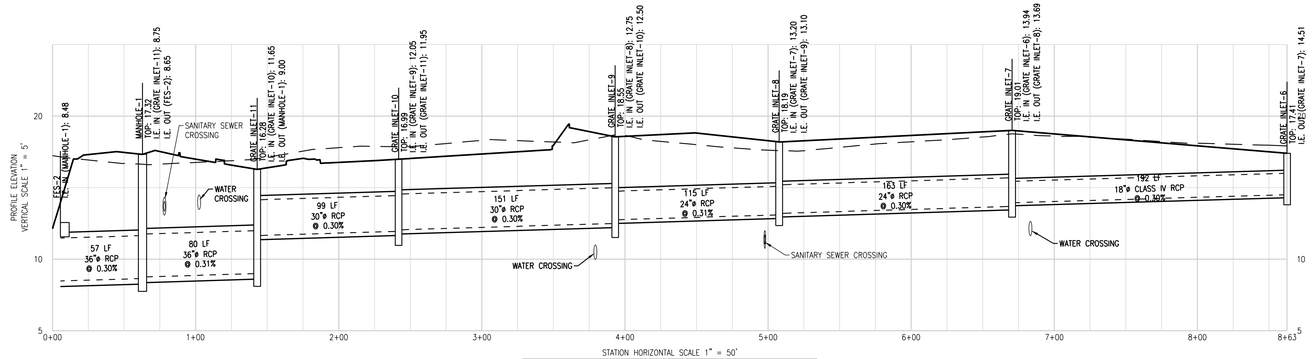
JOB NUMBER:	20-374.003
DATE:	6/30/21
DRAWN BY:	DCP
CHECKED BY:	NPM
SCALE:	AS NOTED

PROFILES

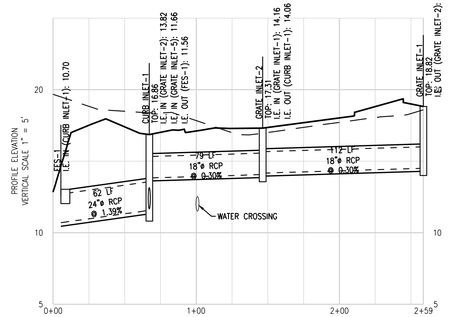
SHEET:
C8.1

© 2018 COLEMAN COMPANY, INC.
DATE PLOTTED: 9/1/2021 10:27 AM - BY: Dillon Powell DRAWING PATH: Q:\2020\20-374.003\DWG\Civil\20-374.003 Main Project 6.16.21.dwg

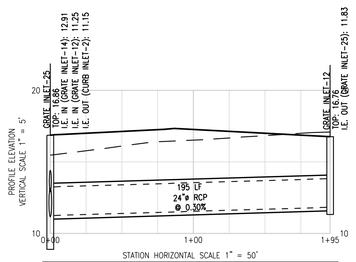
Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)



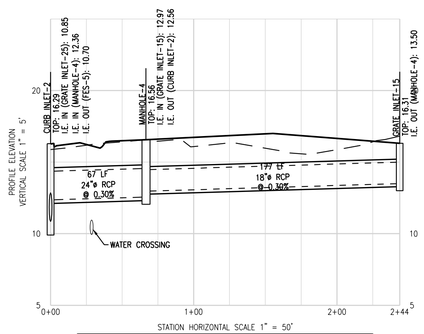
STORM SEWER PROFILE
STA. 0+00.00 TO STA. 8+62.69



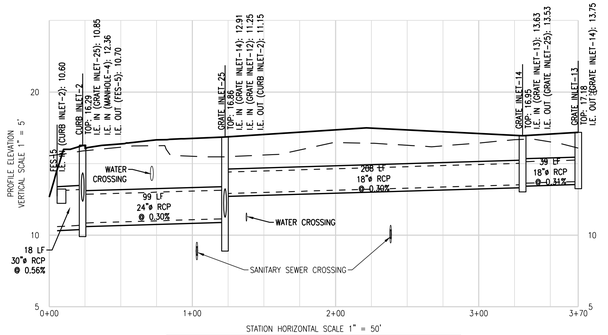
STORM SEWER PROFILE
STA. 0+00.00 TO STA. 2+58.67



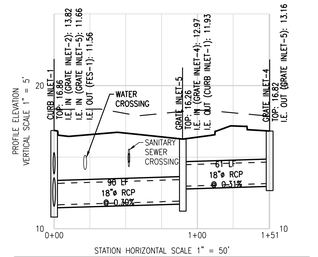
STORM SEWER PROFILE
STA. 0+00.00 TO STA. 1+95.47



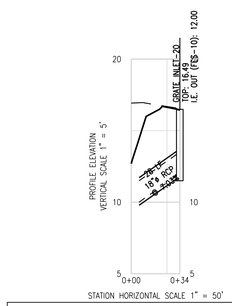
STORM SEWER PROFILE
STA. 0+00.00 TO STA. 2+43.87



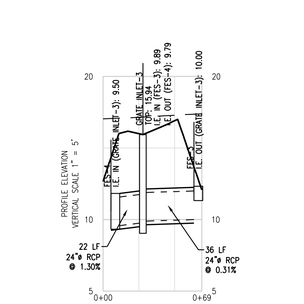
STORM SEWER PROFILE
STA. 0+00.00 TO STA. 3+69.55



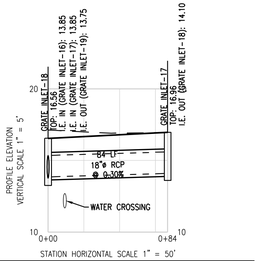
STORM SEWER PROFILE
STA. 0+00.00 TO STA. 1+50.53



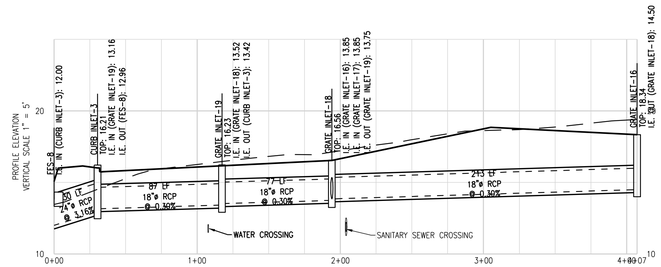
STORM SEWER PROFILE
STA. 0+00.00 TO STA. 0+33.94



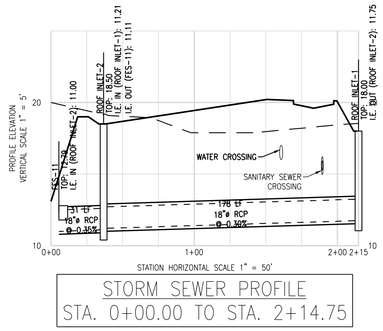
STORM SEWER PROFILE
STA. 0+00.00 TO STA. 0+68.97



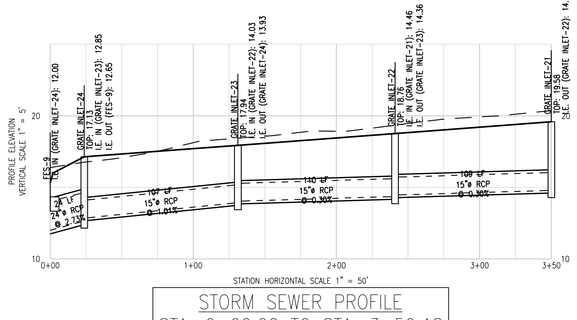
STORM SEWER PROFILE
STA. 0+00.00 TO STA. 0+83.51



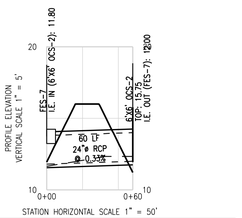
STORM SEWER PROFILE
STA. 0+00.00 TO STA. 4+07.32



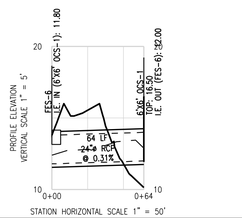
STORM SEWER PROFILE
STA. 0+00.00 TO STA. 2+14.75



STORM SEWER PROFILE
STA. 0+00.00 TO STA. 3+50.18



STORM SEWER PROFILE
STA. 0+00.00 TO STA. 0+60.11



STORM SEWER PROFILE
STA. 0+00.00 TO STA. 0+64.19

© 2018 COLEMAN COMPANY, INC. DATE PLOTTED: 9/1/2021 10:30 AM BY: Dillon Powell DRAWING PATH: Q:\2020\20-374.003\DWG\Civil\20-374.003 GRADING & 2.22.21.dwg

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | COLSAV.COM

NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. PE036852 PROFESSIONAL ENGINEER NEIL P. McKENZIE 9/1/21

REVISIONS:

CIVIL CONSTRUCTION PLANS FOR
SAUSSY FARMS
LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC

JOB NUMBER:	20-374.003
DATE:	6/29/21
DRAWN BY:	DCP
CHECKED BY:	NPM
SCALE:	AS NOTED

PROFILES

SHEET:
C8.2

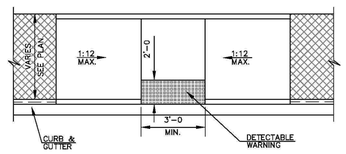
Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

DETECTABLE WARNINGS ON WALKING SURFACE OF HANDICAP RAMP

DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 IN (23mm). A HEIGHT OF NOMINAL 0.2 IN (5mm) AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 IN (60mm) AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.

THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE INTEGRAL PART OF THE WALKING SURFACE. DETECTABLE WARNINGS USED ON SURFACES SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND-ON-CANE CONTACT.

SURFACES SHALL MEET THE ADA ACCESSIBILITY GUIDELINES SECTION 4.29.2.



HANDICAP RAMP TYPE "B"

City of Port Wentworth — TECHNICAL DETAILS — P-5

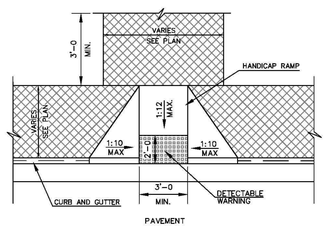
PREPARED BY STEVENSON & PALMER ENGINEERING, INC. — SCALE: N.T.S. — DATED: FEBRUARY 2007

DETECTABLE WARNINGS ON WALKING SURFACE OF HANDICAP RAMP

DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 IN (23mm). A HEIGHT OF NOMINAL 0.2 IN (5mm) AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 IN (60mm) AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.

THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE INTEGRAL PART OF THE WALKING SURFACE. DETECTABLE WARNINGS USED ON SURFACES SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND-ON-CANE

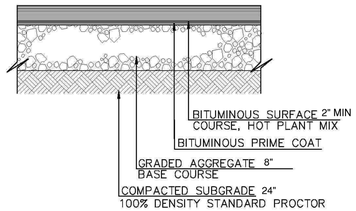
SURFACES SHALL MEET THE ADA ACCESSIBILITY GUIDELINES SECTION 4.29.2.



HANDICAP RAMP TYPE "A"

City of Port Wentworth — TECHNICAL DETAILS — P-4

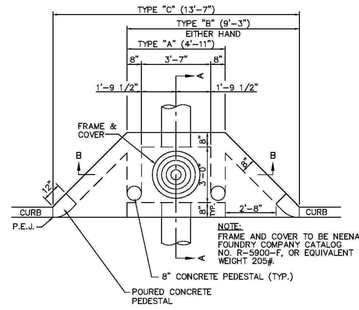
PREPARED BY STEVENSON & PALMER ENGINEERING, INC. — SCALE: N.T.S. — DATED: FEBRUARY 2007



TYPICAL BITUMINOUS PAVING SECTION

City of Port Wentworth — TECHNICAL DETAILS — P-1

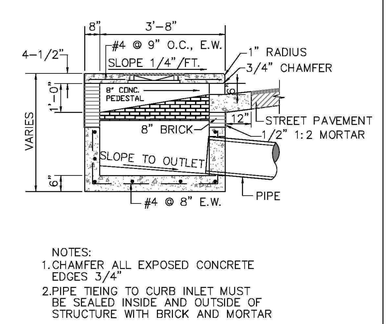
PREPARED BY STEVENSON & PALMER ENGINEERING, INC. — SCALE: N.T.S. — DATED: FEBRUARY 2007



PLAN OF CURB INLET

City of Port Wentworth — TECHNICAL DETAILS — SD-1

PREPARED BY STEVENSON & PALMER ENGINEERING, INC. — SCALE: N.T.S. — DATED: FEBRUARY 2007



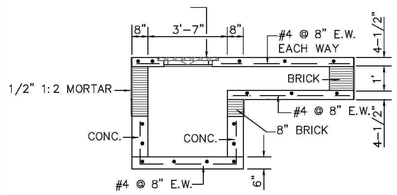
NOTES:
1. CHAMFER ALL EXPOSED CONCRETE EDGES 3/4"
2. PIPE TIEING TO CURB INLET MUST BE SEALED INSIDE AND OUTSIDE OF STRUCTURE WITH BRICK AND MORTAR

CURB INLET SECTION A – A

City of Port Wentworth — TECHNICAL DETAILS — SD-3

PREPARED BY STEVENSON & PALMER ENGINEERING, INC. — SCALE: N.T.S. — DATED: FEBRUARY 2007

NOTE:
C.I. MANHOLE FRAME AND COVER EQUIVALENT TO NEENAH R-5900-F. FRAME AND COVER TO BE MACHINE FITTED PRIOR TO LEAVING SHOP. WEIGHT – 205 LBS.

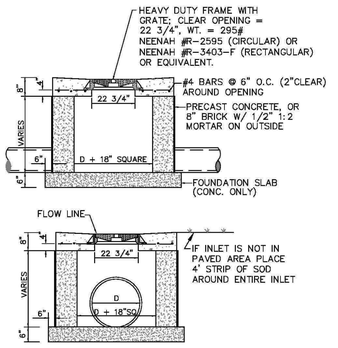


NOTES:
1. MATCH TOP OF PIPE ELEVATIONS WHEN DIFFERENT SIZE PIPES ARE CONSTRUCTED IN CURB INLET.
2. TYPE "B" INLET SHOWN

CURB INLET SECTION B – B

City of Port Wentworth — TECHNICAL DETAILS — SD-4

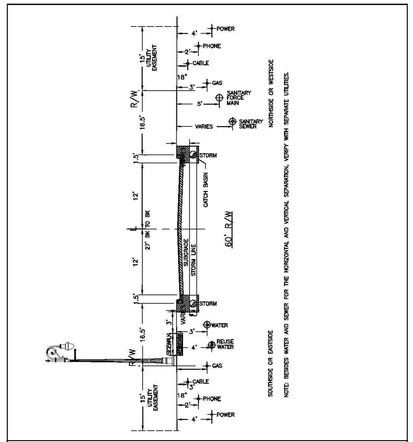
PREPARED BY STEVENSON & PALMER ENGINEERING, INC. — SCALE: N.T.S. — DATED: FEBRUARY 2007



GRATE INLET

City of Port Wentworth — TECHNICAL DETAILS — SD-8

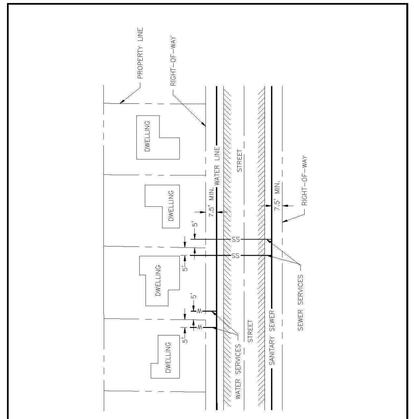
PREPARED BY STEVENSON & PALMER ENGINEERING, INC. — SCALE: N.T.S. — DATED: FEBRUARY 2007



TYP. SECTION UNDERGROUND UTILITY INSTALLATION

City of Port Wentworth — TECHNICAL DETAILS — U-1

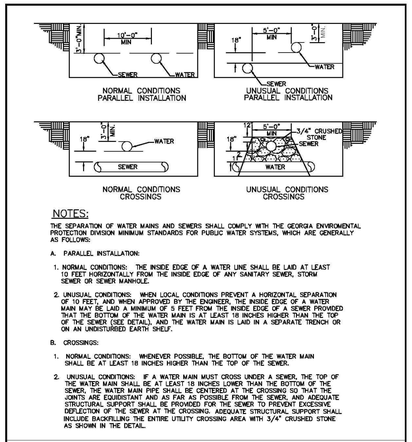
PREPARED BY STEVENSON & PALMER ENGINEERING, INC. — SCALE: N.T.S. — DATED: FEBRUARY 2007



TYP. WATER & SEWER PLANNING

City of Port Wentworth — TECHNICAL DETAILS — U-2

PREPARED BY STEVENSON & PALMER ENGINEERING, INC. — SCALE: N.T.S. — DATED: FEBRUARY 2007



NOTES:

THE SEPARATION OF WATER MAINS AND SEWERS SHALL COMPLY WITH THE GEORGIA ENVIROMENTAL PROTECTION DIVISION MINIMUM STANDARDS FOR PUBLIC WATER SYSTEMS, WHICH ARE GENERALLY AS FOLLOWS:

A. PARALLEL INSTALLATION:

1. NORMAL CONDITIONS: THE INSIDE EDGE OF A WATER LINE SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM THE INSIDE EDGE OF ANY SANITARY SEWER, STORM SEWER OR SEWER MANHOLE.
2. UNUSUAL CONDITIONS: WHEN LOCAL CONDITIONS PREVENT A HORIZONTAL SEPARATION OF 10 FEET, AND WHEN APPROVED BY THE ENGINEER, THE INSIDE EDGE OF A WATER MAIN MAY BE LAID A MINIMUM OF 6 FEET FROM THE INSIDE EDGE OF A SEWER PROVIDED THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES HIGHER THAN THE TOP OF THE SEWER (SEE DETAIL), AND THE WATER MAIN IS LAID IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF.

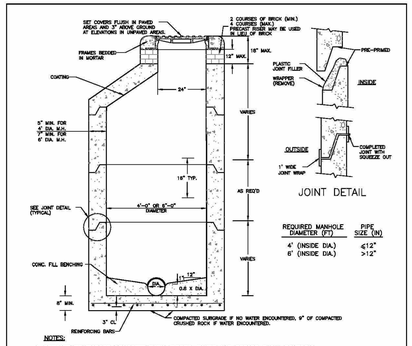
B. CROSSINGS:

1. NORMAL CONDITIONS: WHENEVER POSSIBLE, THE BOTTOM OF THE WATER MAIN SHALL BE AT LEAST 18 INCHES HIGHER THAN THE TOP OF THE SEWER.
2. UNUSUAL CONDITIONS: IF A WATER MAIN MUST CROSS UNDER A SEWER, THE TOP OF THE WATER MAIN SHALL BE AT LEAST 18 INCHES LOWER THAN THE BOTTOM OF THE SEWER. THE WATER MAIN PIPE SHALL BE CENTERED AT THE CROSSING SO THAT THE JOINTS ARE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE SEWER, AND ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF THE SEWER AT THE CROSSING. ADEQUATE STRUCTURAL SUPPORT SHALL INCLUDE BACKFILLING THE ENTIRE UTILITY CROSSING AREA WITH 3/4" CRUSHED STONE AS SHOWN IN THE DETAIL.

MINIMUM WATER & SEWER PIPE SEPARATION

City of Port Wentworth — TECHNICAL DETAILS — U-3

PREPARED BY STEVENSON & PALMER ENGINEERING, INC. — SCALE: N.T.S. — DATED: FEBRUARY 2007

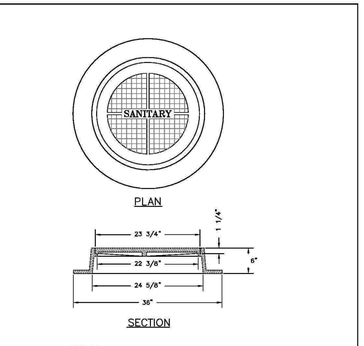


NOTES:
1. PRECAST REINFORCED CONCRETE TOPS, RISERS, BASES AND REBARS SHALL CONFORM TO LATEST ASTM C-478 STD. SPECIFICATIONS.
2. INTERIOR OF MANHOLE SHALL BE COATED IN ACCORDANCE WITH CITY OF PORT WENTWORTH STD. SPECIFICATIONS. THE EXTERIOR OF MANHOLE SHALL BE COATED WITH CONSEAL CS-55 DAMP-PROOF COATING OR EQUAL.
3. MANUFACTURER CERTIFICATION THAT MANHOLE MEETS ASTM SPECIFICATION SHALL BE SUBMITTED TO CITY OF PORT WENTWORTH.
4. SEE DETAIL SHEET FOR MANHOLE COVER & FRAME.
6. BUOYANCY MAY NEED TO BE CHECKED IF NECESSARY
7. ALL PIPE PENETRATIONS SHALL HAVE A BOOT CONNECTION. SEE DETAIL S-6.

PRECAST CONCRETE MANHOLE

City of Port Wentworth — TECHNICAL DETAILS — S-1

PREPARED BY STEVENSON & PALMER ENGINEERING, INC. — SCALE: N.T.S. — DATED: FEBRUARY 2007

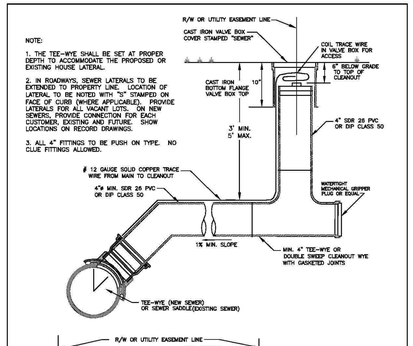


NOTE:
MANHOLE RING & COVER SHALL BE HEAVY DUTY RATED EQUAL TO U. S. FOUNDRY CO. USF 195-ORS. TOTAL WEIGHT 320# TYPE "C" LID TO HAVE MACHINED BEARING SURFACES. LID TO BE LETTERED 2 1/2" –3" LETTER HEIGHT "SANITARY". (NON VENTED). MANHOLE RING SHALL INCLUDE A WATERTIGHT GASKET. STACKING CLEATS ON THE BOTTOM OF THE COVER SHALL NOT BE ALLOWED.

MANHOLE RING & COVER

City of Port Wentworth — TECHNICAL DETAILS — S-2

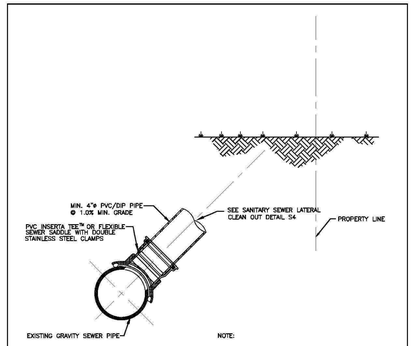
PREPARED BY STEVENSON & PALMER ENGINEERING, INC. — SCALE: N.T.S. — DATED: FEBRUARY 2007



SANITARY SEWER SERVICE CONNECTION

City of Port Wentworth — TECHNICAL DETAILS — S-4

PREPARED BY STEVENSON & PALMER ENGINEERING, INC. — SCALE: N.T.S. — DATED: FEBRUARY 2007

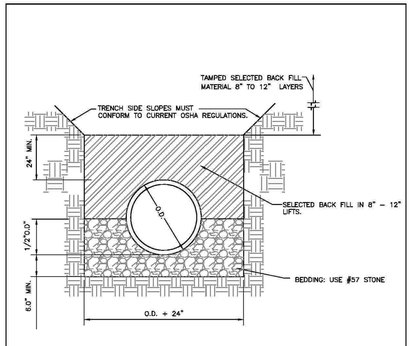


NOTE:
CONTRACTOR SHALL NOTIFY CITY OF PORT WENTWORTH WASTEWATER CONVEYANCE DEPARTMENT 24 HOURS PRIOR TO CONNECTION OF EXISTING SEWER PIPE. ALL CONNECTIONS TO THE EXISTING GRAVITY SEWER PIPE MUST BE INSPECTED BY THE CONVEYANCE DEPARTMENT PRIOR TO BACK FILLING.

SEWER SERVICE CONNECT TO EXT. PIPE

City of Port Wentworth — TECHNICAL DETAILS — S-5

PREPARED BY STEVENSON & PALMER ENGINEERING, INC. — SCALE: N.T.S. — DATED: FEBRUARY 2007



PIPE BEDDING

City of Port Wentworth — TECHNICAL DETAILS — S-8

PREPARED BY STEVENSON & PALMER ENGINEERING, INC. — SCALE: N.T.S. — DATED: FEBRUARY 2007

© 2018 COLEMAN COMPANY, INC. DATE PLOTTED: 9/1/2021 10:30 AM BY: Dillon Powell DRAWING PATH: Q:\2020\20-374.003\DWG\Civil\20-374.003 Main Project 6.16.21.dwg

COLEMAN COMPANY ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | COLSAV.COM

NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. PE036652 PROFESSIONAL ENGINEER NEIL P. McKENZIE 9/1/21

REVISIONS:

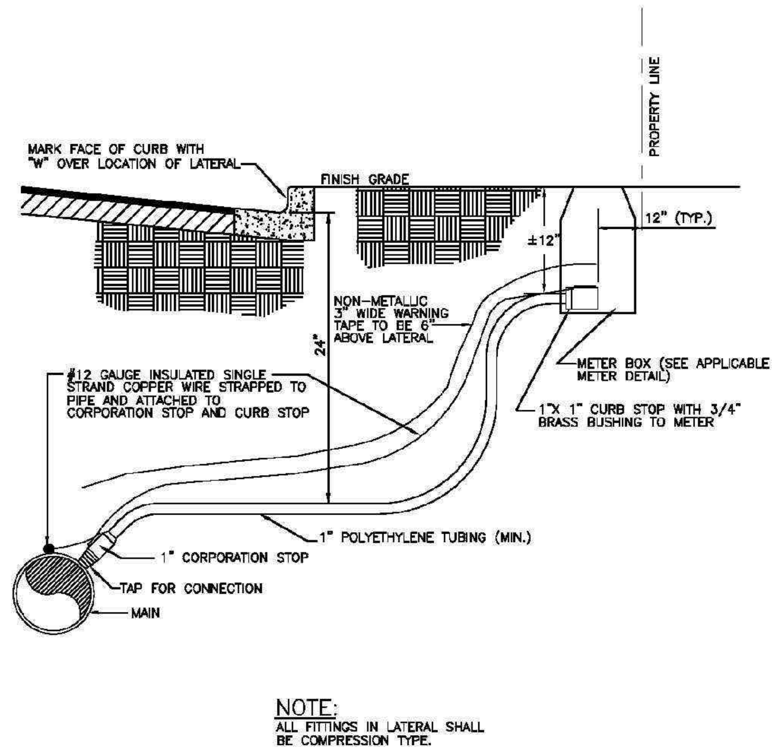
CIVIL CONSTRUCTION PLANS FOR
LMS COTTAGES
LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC

JOB NUMBER:	20-374.003
DATE:	6/30/21
DRAWN BY:	DCP
CHECKED BY:	NPM
SCALE:	AS NOTED

CONSTRUCTION DETAILS

SHEET:
C9.0

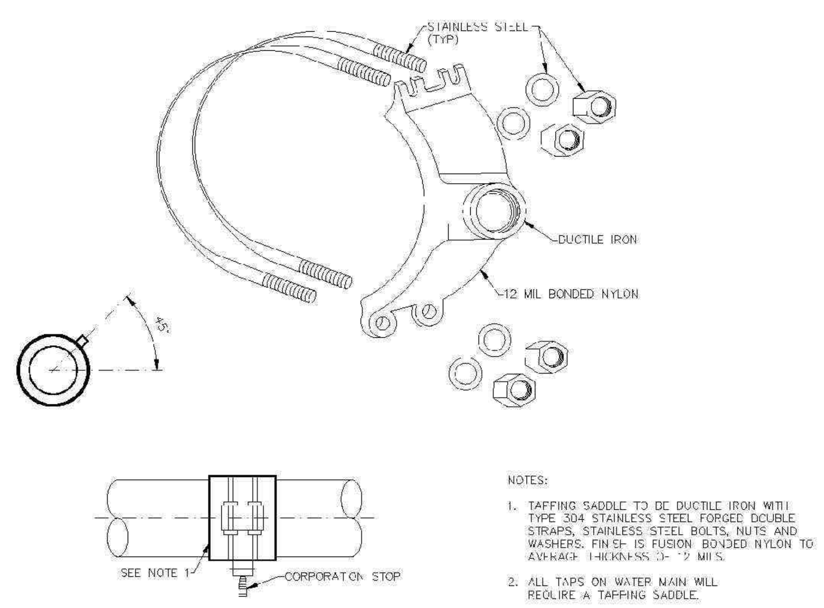
Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)



NOTE:
ALL FITTINGS IN LATERAL SHALL BE COMPRESSION TYPE.

WATER SERVICE LATERAL

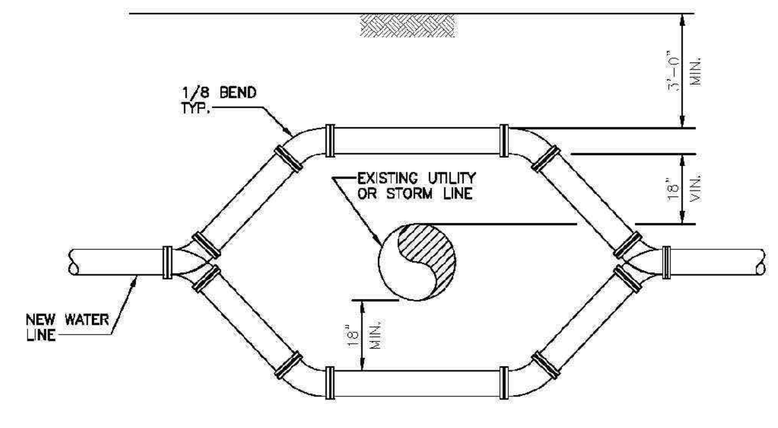
City of Port Wentworth
TECHNICAL DETAILS
W-1
PREPARED BY STEVENSON & PALMER ENGINEERING, INC.
SCALE: N.T.S.
DATED: FEBRUARY 2007



NOTES:
1. TAPPING SADDLE TO BE DUCTILE IRON WITH TYPE 304 STAINLESS STEEL FORGED DOUBLE STRAPS, STAINLESS STEEL BOLTS, NUTS AND WASHERS. FINISH IS FUSION BONDED NYLON TO AVERAGE THICKNESS OF 12 MILS.
2. ALL TAPS ON WATER MAIN WILL REQUIRE A TAPPING SADDLE.

1" AND 2" TAPPING SADDLE

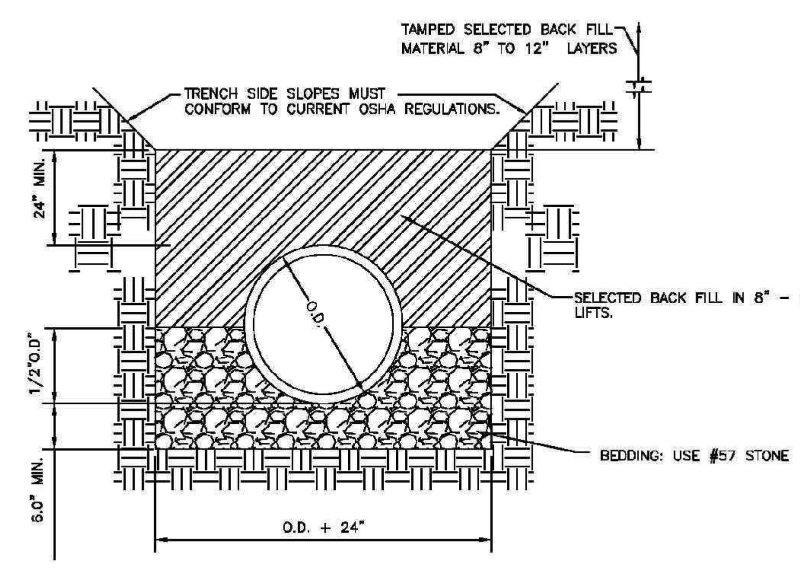
City of Port Wentworth
TECHNICAL DETAILS
W-2
PREPARED BY STEVENSON & PALMER ENGINEERING, INC.
SCALE: N.T.S.
DATED: FEBRUARY 2007



NOTES:
1. WATER LINE SHALL BE INSTALLED ABOVE SANITARY OR STORM LINE IF POSSIBLE.
2. STRAIGHT RUN OF WATER LINE DIRECTLY ABOVE OR BELOW EXISTING UTILITY LINE MUST BE 10' MINIMUM WITH NO JOINT.
3. IF WATER LINE IS INSTALLED BELOW SANITARY LINE WATER LINE SHALL BE DUCTILE IRON PIPE.
4. JOINTS SHALL BE RESTRAINED IN ACCORDANCE WITH CITY OF PORT WENTWORTH STANDARD DETAILS.

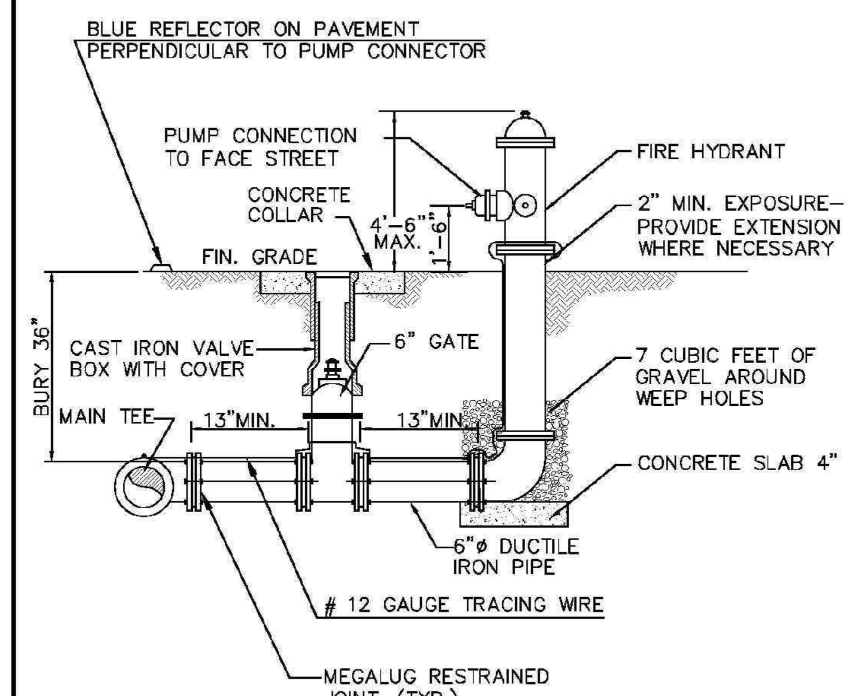
STANDARD UTILITY CROSSING

City of Port Wentworth
TECHNICAL DETAILS
W-6
PREPARED BY STEVENSON & PALMER ENGINEERING, INC.
SCALE: N.T.S.
DATED: FEBRUARY 2007



PIPE BEDDING

City of Port Wentworth
TECHNICAL DETAILS
W-8
PREPARED BY STEVENSON & PALMER ENGINEERING, INC.
SCALE: N.T.S.
DATED: FEBRUARY 2007

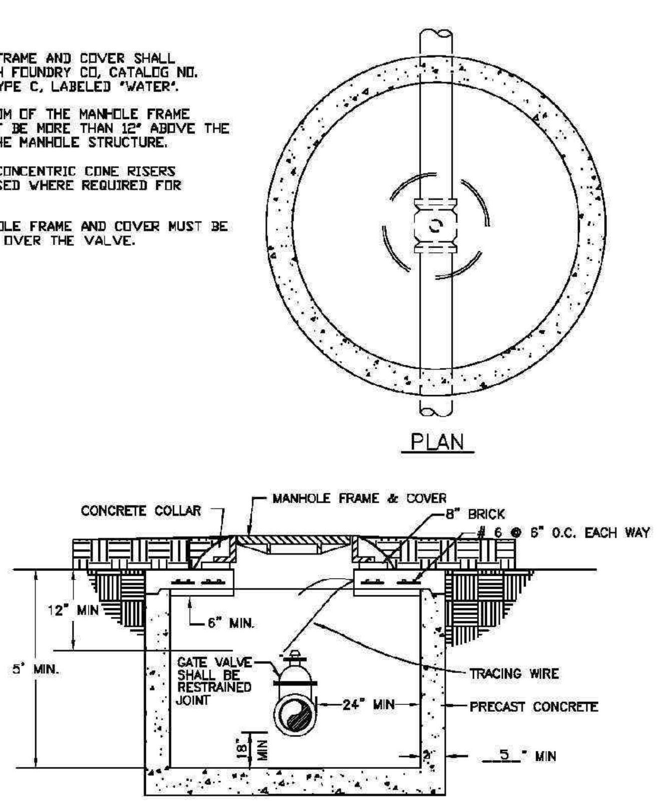


NOTE:
1. ALL JOINTS FROM MAIN TO HYDRANT SHALL BE RESTRAINED.
2. PROTECT BOLTS AND THREADS FROM CONCRETE.

STANDARD FIRE HYDRANT

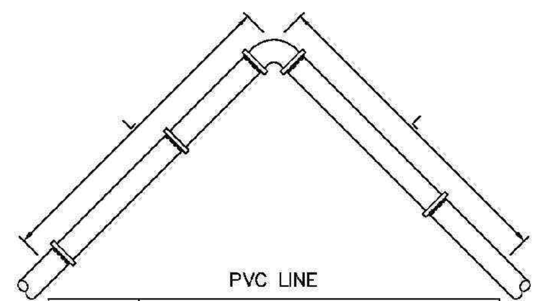
City of Port Wentworth
TECHNICAL DETAILS
W-9
PREPARED BY STEVENSON & PALMER ENGINEERING, INC.
SCALE: N.T.S.
DATED: FEBRUARY 2007

NOTES:
1. MANHOLE FRAME AND COVER SHALL BE NEENAH FOUNDRY CO, CATALOG NO. R-1668, TYPE C, LABELED "WATER".
2. THE BOTTOM OF THE MANHOLE FRAME SHALL NOT BE MORE THAN 12" ABOVE THE TOP OF THE MANHOLE STRUCTURE.
3. PRECAST CONCENTRIC CONE RISERS MAY BE USED WHERE REQUIRED FOR DEPTH.
4. THE MANHOLE FRAME AND COVER MUST BE CENTERED OVER THE VALVE.



VALVE MANHOLE FOR 8" & GREATER GATE VALVE

City of Port Wentworth
TECHNICAL DETAILS
W-14
PREPARED BY STEVENSON & PALMER ENGINEERING, INC.
SCALE: N.T.S.
DATED: FEBRUARY 2007



PVC LINE

PIPE DIA.	BEND ANGLE			
	11 1/4°	22 1/2°	45°	90°
4	3	6	12	29
6	4	8	17	41
8	5	11	22	53
10	6	13	26	64
12	7	15	31	75

DUCTILE IRON LINE

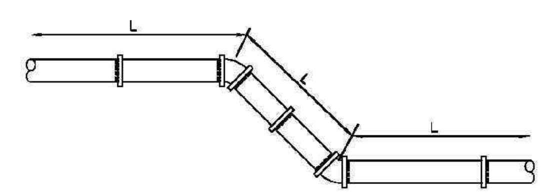
PIPE DIA.	BEND ANGLE			
	11 1/4°	22 1/2°	45°	90°
4	2	4	8	20
6	3	6	12	28
8	4	7	15	36
10	4	9	18	43
12	5	10	21	51
16	6	13	27	65
20	8	16	33	79
24	9	18	38	92

MINIMUM RESTRAINED LENGTH (L)

NOTES:
1. LENGTH OF RESTRAINT SHOWN IS IN FEET.
2. WHERE LINES CONSIST OF BOTH DUCTILE IRON AND PVC WITHIN THE LIMITS OF REQUIRED RESTRAINT, LIMITS FOR PVC SHALL APPLY.

STANDARD HORIZONTAL BEND RESTRAINT

City of Port Wentworth
TECHNICAL DETAILS
W-27
PREPARED BY STEVENSON & PALMER ENGINEERING, INC.
SCALE: N.T.S.
DATED: FEBRUARY 2007



PVC LINE

PIPE DIA.	BEND ANGLE			
	11 1/4°	22 1/2°	45°	90°
4	5	10	22	52
6	7	15	30	74
8	9	19	40	96
10	11	23	48	115
12	13	27	56	136

DUCTILE IRON LINE

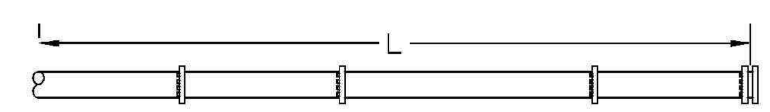
PIPE DIA.	BEND ANGLE			
	11 1/4°	22 1/2°	45°	90°
4	3	6	12	28
6	4	8	17	40
8	4	10	22	52
10	5	12	26	62
12	6	15	30	73
16	7	19	39	94
20	11	23	47	114
24	13	26	55	132

MINIMUM RESTRAINED LENGTH (L)

NOTES:
1. LENGTH OF RESTRAINT SHOWN IS IN FEET.
2. WHERE LINES CONSIST OF BOTH DUCTILE IRON AND PVC WITHIN THE LIMITS OF REQUIRED RESTRAINT, LIMITS FOR PVC SHALL APPLY.

STANDARD VERTICAL BEND RESTRAINT

City of Port Wentworth
TECHNICAL DETAILS
W-28
PREPARED BY STEVENSON & PALMER ENGINEERING, INC.
SCALE: N.T.S.
DATED: FEBRUARY 2007



DUCTILE IRON LINE

PIPE DIA.	L
4	28
6	40
8	52
10	62
12	73
16	94
20	114
24	132

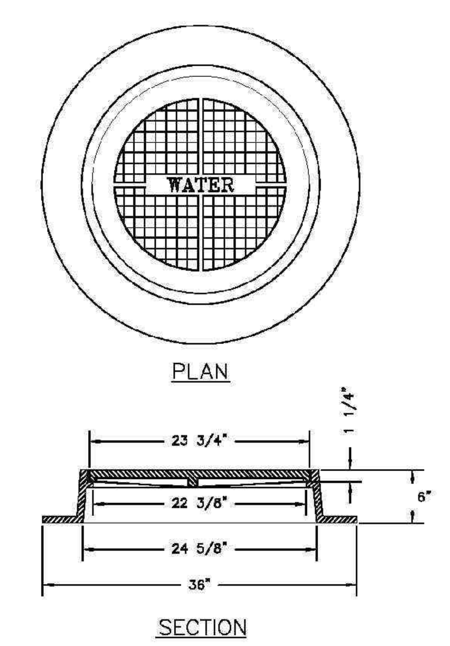
PVC LINE

PIPE DIA.	L
4	52
6	74
8	96
10	115
12	136

NOTES:
1. LENGTH OF RESTRAINT SHOWN IS IN FEET.
2. WHERE LIMITS CONSIST OF BOTH DUCTILE IRON AND PVC WITHIN THE LIMITS OF REQUIRED RESTRAINT, LIMITS FOR PVC SHALL APPLY.
3. FOR LINE STUBS (SEE DETAIL W39). THE LENGTH OF RESTRAINT (L) SHALL BE FROM THE VALVE AND NOT THE CAP.

STANDARD DEAD END RESTRAINT

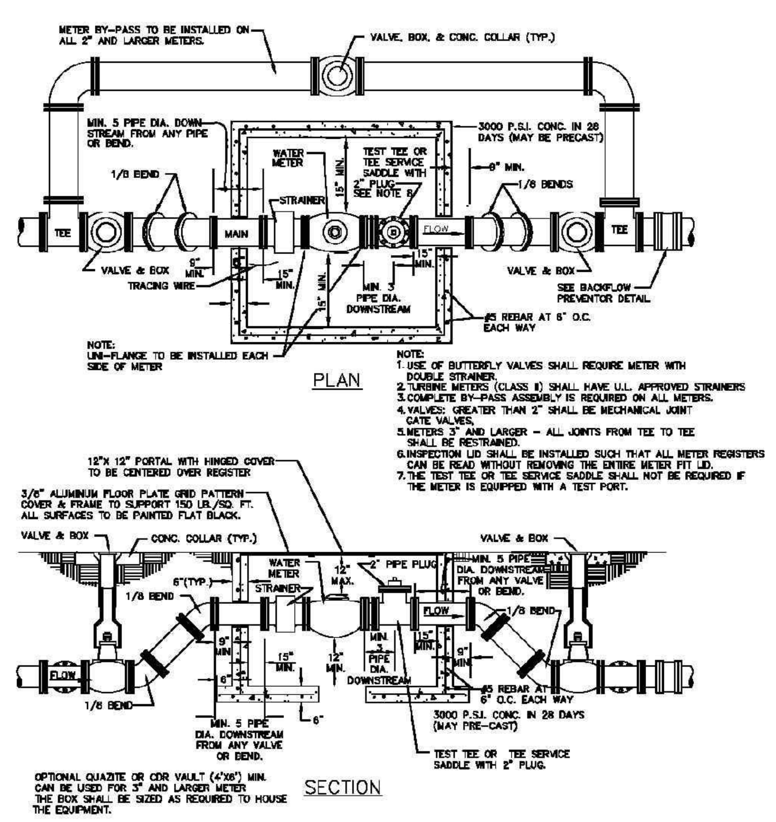
City of Port Wentworth
TECHNICAL DETAILS
W-31
PREPARED BY STEVENSON & PALMER ENGINEERING, INC.
SCALE: N.T.S.
DATED: FEBRUARY 2007



NOTE:
MANHOLE RING & COVER SHALL BE HEAVY DUTY RATED EQUAL TO U. S. FOUNDRY CO. USF 195-ORS. TOTAL WEIGHT 325# TYPE "C" LID TO HAVE MACHINED BEARING SURFACES. LID TO BE LETTERED 2 1/2" -3" LETTER HEIGHT "WATER" (NON VENTED). MANHOLE RING SHALL INCLUDE A WATERTIGHT GASKET. STACKING CLEATS ON THE BOTTOM OF THE COVER SHALL NOT BE ALLOWED.

MANHOLE RING & COVER

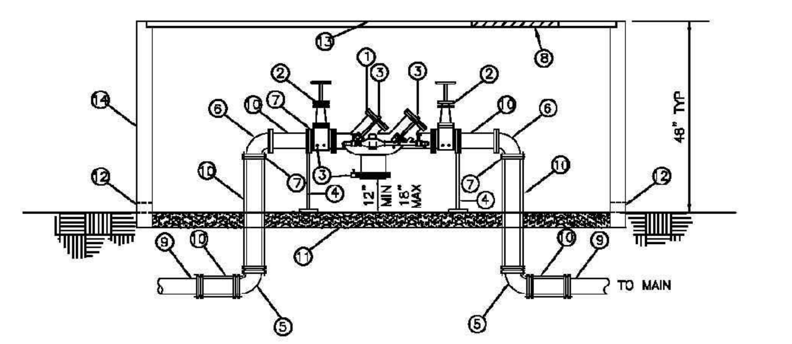
City of Port Wentworth
TECHNICAL DETAILS
W-34
PREPARED BY STEVENSON & PALMER ENGINEERING, INC.
SCALE: N.T.S.
DATED: FEBRUARY 2007



NOTE:
1. USE OF BUTTERFLY VALVES SHALL REQUIRE METER WITH DOUBLE STRAINER.
2. TURBINE METERS (CLASS II) SHALL HAVE U.L. APPROVED STRAINERS
3. COMPLETE BY-PASS ASSEMBLY IS REQUIRED ON ALL METERS.
4. VALVES: GREATER THAN 2" SHALL BE MECHANICAL JOINT GATE VALVES.
5. METERS 3" AND LARGER - ALL JOINTS FROM TEE TO TEE SHALL BE RESTRAINED.
6. INSPECTION LID SHALL BE INSTALLED SUCH THAT ALL METER REGISTERS CAN BE READ WITHOUT REMOVING THE ENTIRE METER PIT LID.
7. THE TEST TEE OR TEE SERVICE SADDLE SHALL NOT BE REQUIRED IF THE METER IS EQUIPPED WITH A TEST PORT.

WATER METER INST. 3" AND LARGER

City of Port Wentworth
TECHNICAL DETAILS
W-15
PREPARED BY STEVENSON & PALMER ENGINEERING, INC.
SCALE: N.T.S.
DATED: FEBRUARY 2007



MATERIALS

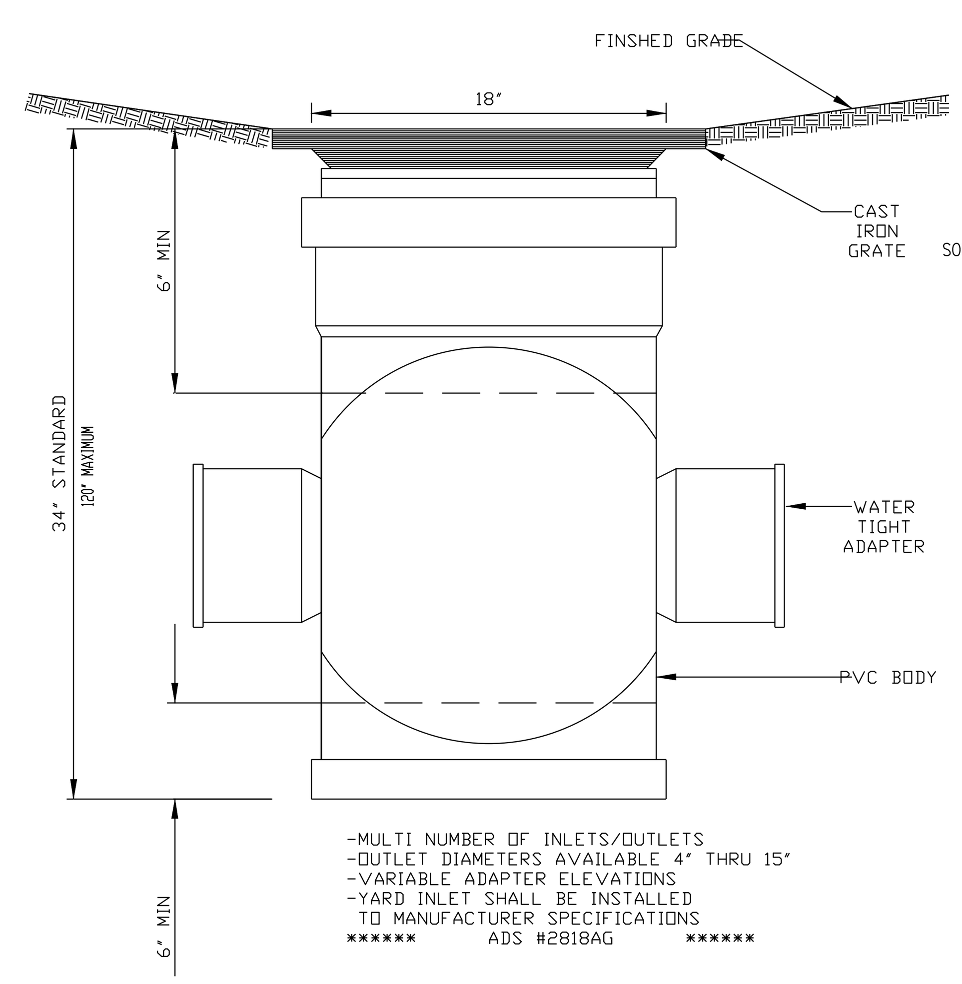
ITEM	QUAN	DESCRIPTION
1	1	REDUCED PRESSURE ZONE DEVICE
2	2	O.S & Y RESILIENT GATE VALVES
3	4	TEST COCKS
4	2	2" SCH 40 GALV. PIPE STAND & BASE BOLTED TO FLANGE
5	2	MJ 45° OR 90° BENDS
6	2	FLANGED 45° OR 90° BENDS
7	2	FLANGE ADAPTERS
8		2' X 2' MIN. HATCH
9		DI OR PVC PIPE
10		DUCTILE IRON PIPE, CUT TO FIT
11		4" PEA GRAVEL IN BOTTOM OF PIT OR CONCRETE SLAB
12	2	DRAIN PORTS SIZE ACCORDING TO PIPE SIZE
13		3/8 ALUMINUM TREAD PLATE / HATCH COVER W/ SUPPORTS AS NECESSARY
14		BOX-CONCRETE BLOCK, POURED CONCRETE OR PREFABRICATED BOX

NOTES:
1. FOR FINAL APPROVAL, ASSEMBLY MUST BE CENTERED IN ENCLOSURE. UNDER NO CONDITION WILL ANY CONNECTION BE ALLOWED BETWEEN THE SERVICE METER AND A BACKFLOW PREVENTER BACKFLOW PREVENTER SHALL ALWAYS BE INSTALLED IMMEDIATELY DOWNSTREAM OF METER.
2. IF A PRESSURE MONITOR IS TO BE INSTALLED, ADD A TEE, VALVE, FITTINGS, AND MOUNT ON SUPPLY SIDE PRIOR TO BACKFLOW PREVENTER. UNDER NO CIRCUMSTANCE SHALL TEST PORTS BE MODIFIED OR UTILIZED FOR ANY USE, OTHER THAN BACKFLOW DEVICE TESTING.
3. ALL MECHANICAL JOINTS MUST BE RESTRAINED.
4. PROVIDE A MINIMUM CLEARANCE OF 12 INCHES BETWEEN THE INSIDE FACE OF THE ENCLOSURE AND THE PIPING AND VALVES.

TYPICAL OUTSIDE INSTALLATION
(3", 4", 6", 8", & 10" SIZES)

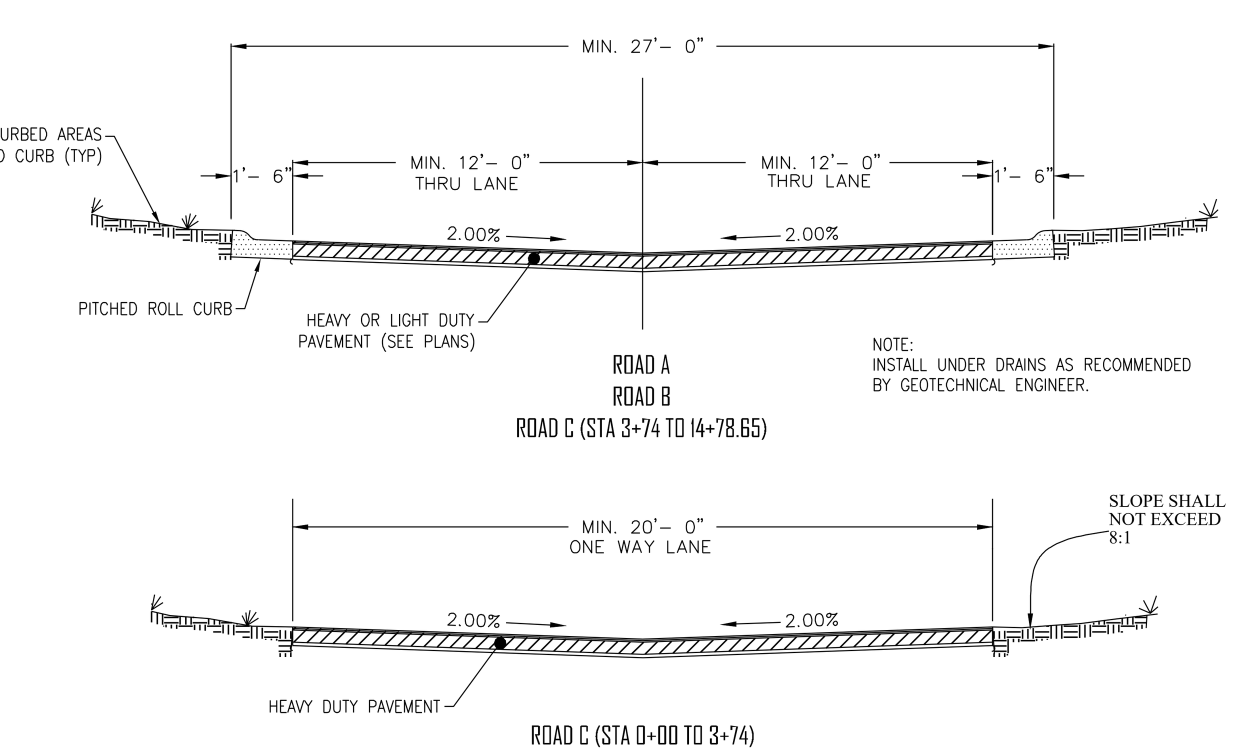
RPZ DEVICE FOR DOMESTIC SYSTEM

City of Port Wentworth
TECHNICAL DETAILS
W-23
PREPARED BY STEVENSON & PALMER ENGINEERING, INC.
SCALE: N.T.S.
DATED: FEBRUARY 2007



-MULTI NUMBER OF INLETS/OUTLETS
-OUTLET DIAMETERS AVAILABLE 4" THRU 15"
-VARIABLE ADAPTER ELEVATIONS
-YARD INLET SHALL BE INSTALLED TO MANUFACTURER SPECIFICATIONS
****** ADS #2818AG ******

P-22 YARD INLET
NOT TO SCALE



ROAD CROSS SECTIONS
NOT TO SCALE

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | CCI-SAV.COM

NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. PE036652 PROFESSIONAL ENGINEER NEIL P. McKENZIE 9/1/21

REVISIONS:

CIVIL CONSTRUCTION PLANS FOR
LMS COTTAGES
LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC

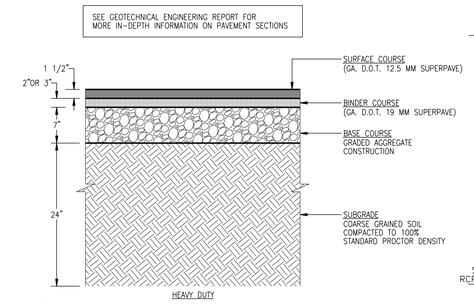
JOB NUMBER:	20-374.003
DATE:	6/30/21
DRAWN BY:	DCP
CHECKED BY:	NPM
SCALE:	AS NOTED

CONSTRUCTION DETAILS

SHEET:
C9.1

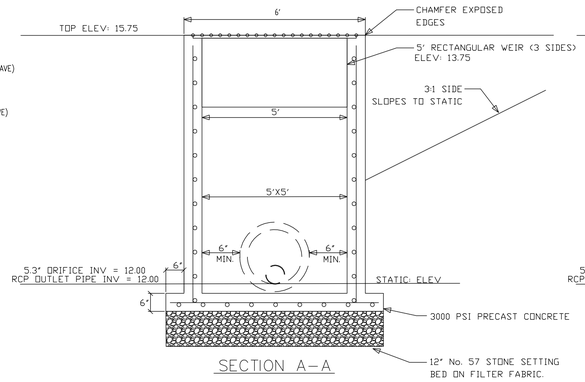
© 2018 COLEMAN COMPANY, INC. DATE PLOTTED: 9/1/2021 1:47 PM BY: Dillon Powell DRAWING PATH: Q:\2020\20-374.003\DWG\Civil\20-374.003 Main Project 6.16.21.dwg

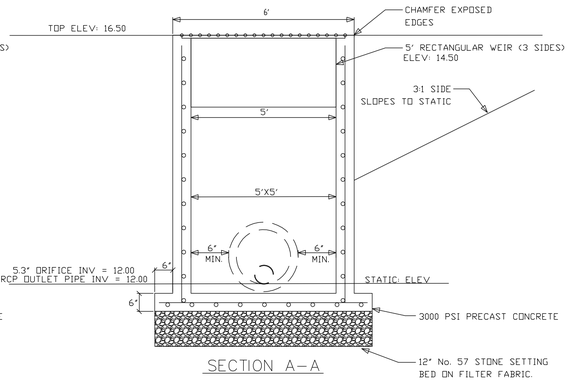
Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

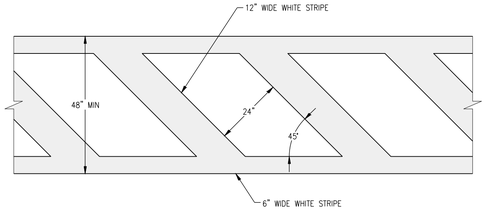


NOTES:
1. BITUMINOUS PRIME AND TACK COATS WILL BE APPLIED AS LISTED BELOW.
   A. PRIME COAT SHALL BE APPLIED AT A RATE OF 0.25 GALLON PER SQUARE YARD TO THE SURFACE OF ALL GRANITE BASE COURSES.
   B. TACK COAT SHALL BE APPLIED AT AT RATE OF 0.05 GALLONS PER SQUARE YARD TO THE SURFACE OF THE BINDER COURSE BEFORE PLACEMENT OF SURFACE COURSE.
2. REFER TO PAVING PLAN FOR LOCATION OF STANDARD AND HEAVY DUTY PAVEMENTS.
3. BINDER COURSE IS TO BE 3" THICK WHEN PLACED INSIDE THE ALL PUBLIC ROWs. OTHERWISE USE 2".

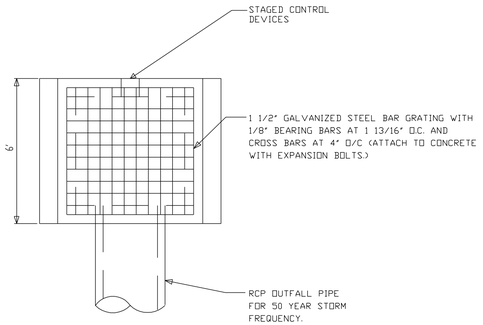
P-11 HEAVY DUTY PAVEMENT SECTION
NOT TO SCALE



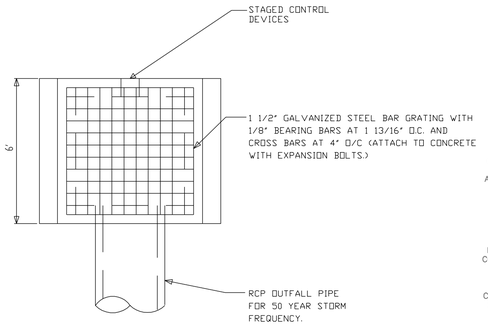




P-19B CROSSWALK DETAIL
NOT TO SCALE



D-3 6'X6' POND #2 OUTLET CONTROL STRUCTURE
NOT TO SCALE



D-2 6'X6' POND #1 OUTLET CONTROL STRUCTURE
NOT TO SCALE

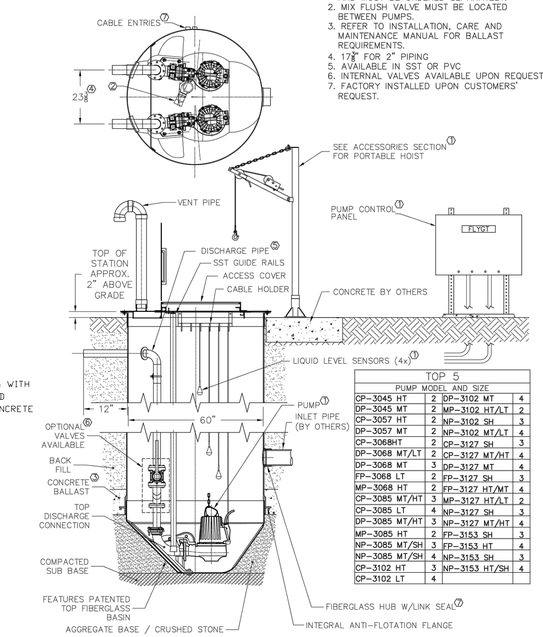
FLYGT a xylem brand

Issued: 5/13 Supersedes: 3/08

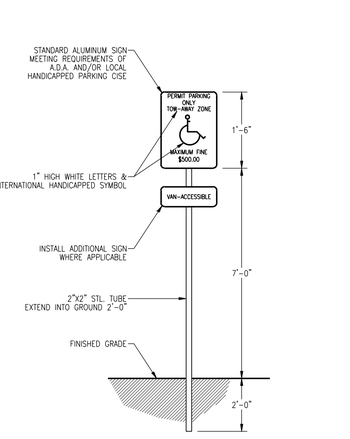
TOP 5 (Duplex Station)

(Fiberglass Station - 3045 thru 3153)

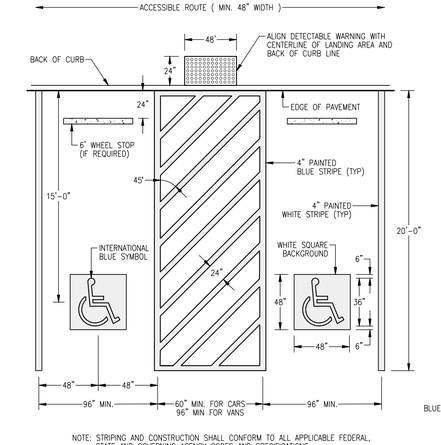
NOTE:
1. PUMPS, CONTROLS AND ACCESSORIES ARE NOT SUPPLIED WITH THE TOP PUMP STATION AND MUST BE ORDERED SEPARATELY.
2. MIX FLUSH VALVE MUST BE LOCATED BETWEEN PUMPS.
3. REFER TO INSTALLATION, CARE AND MAINTENANCE MANUAL FOR BALLAST REQUIREMENTS.
4. 17Ø FOR 2" PIPING
5. AVAILABLE IN SST OR PVC
6. INTERNAL VALVES AVAILABLE UPON REQUEST.
7. FACTORY INSTALLED UPON CUSTOMERS' REQUEST.



TOP 5 PUMP MODEL AND SIZE			
CP-3045 HT	2	DP-3102 MT	4
DP-3045 MT	2	MP-3102 HT/LT	2
CP-3057 HT	2	NP-3102 SH	3
DP-3057 MT	2	NP-3102 MT/LT	4
CP-3068HT	2	CP-3127 SH	3
DP-3068 MT/LT	2	CP-3127 MT/HT	4
DP-3068 MT	3	DP-3127 MT	4
FP-3068 LT	2	FP-3127 SH	3
MP-3068 HT	2	FP-3127 HT/MT	4
CP-3085 MT/HT	3	MP-3127 HT/LT	2
CP-3085 LT	4	NP-3127 SH	3
DP-3085 MT/HT	3	NP-3127 MT/HT	4
MP-3085 HT	2	FP-3153 SH	3
NP-3085 MT/SH	3	FP-3153 HT	4
NP-3085 MT/SH	4	NP-3153 SH	3
CP-3102 HT	3	NP-3153 HT/SH	4
CP-3102 LT	4		

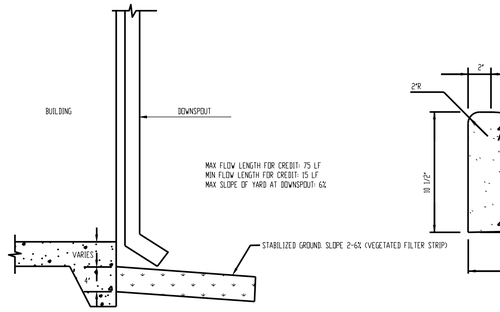


P-37A TYPICAL HANDICAP SIGN
NOT TO SCALE

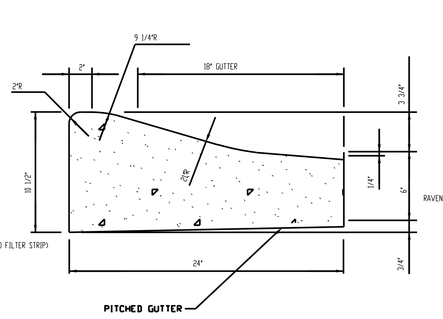


NOTE: STRIPING AND CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND GOVERNING AGENCY CODES AND SPECIFICATIONS

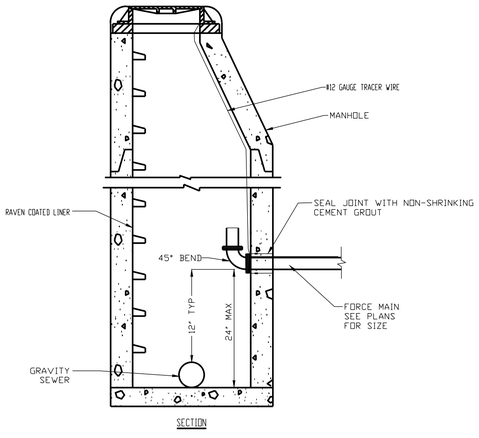
P-35 HANDICAP PARKING STALL STRIPING
NOT TO SCALE



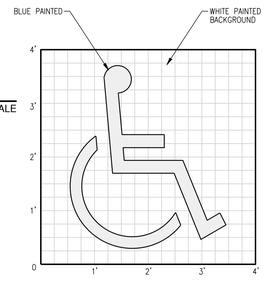
D-40 DISCONNECTED DOWNSPOUT & FILTER STRIP
NOT TO SCALE



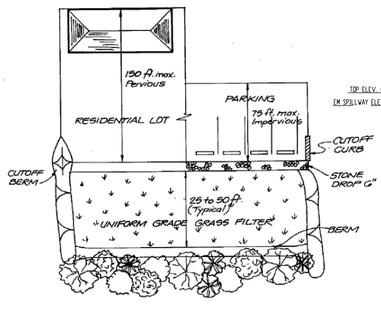
P-8 PITCHED ROLL CURB
NOT TO SCALE



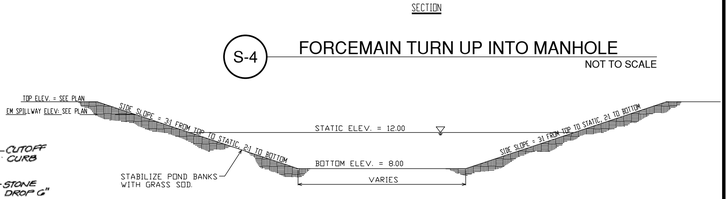
S-4 FORCEMAIN TURN UP INTO MANHOLE
NOT TO SCALE



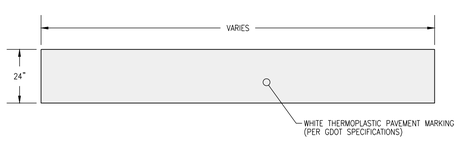
P-39 HANDICAPPED MARKING
NOT TO SCALE



D-41 TYPICAL VEGETATED FILTER STRIP
NOT TO SCALE



D-33 TYPICAL POND CROSS SECTION
NOT TO SCALE



P-27 TRAFFIC STOP BAR
NOT TO SCALE

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | COLSAV.COM

NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. PE036652 PROFESSIONAL ENGINEER NEIL P. McKENZIE 9/1/21

REVISIONS:

CIVIL CONSTRUCTION PLANS FOR
LMS COTTAGES
LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC

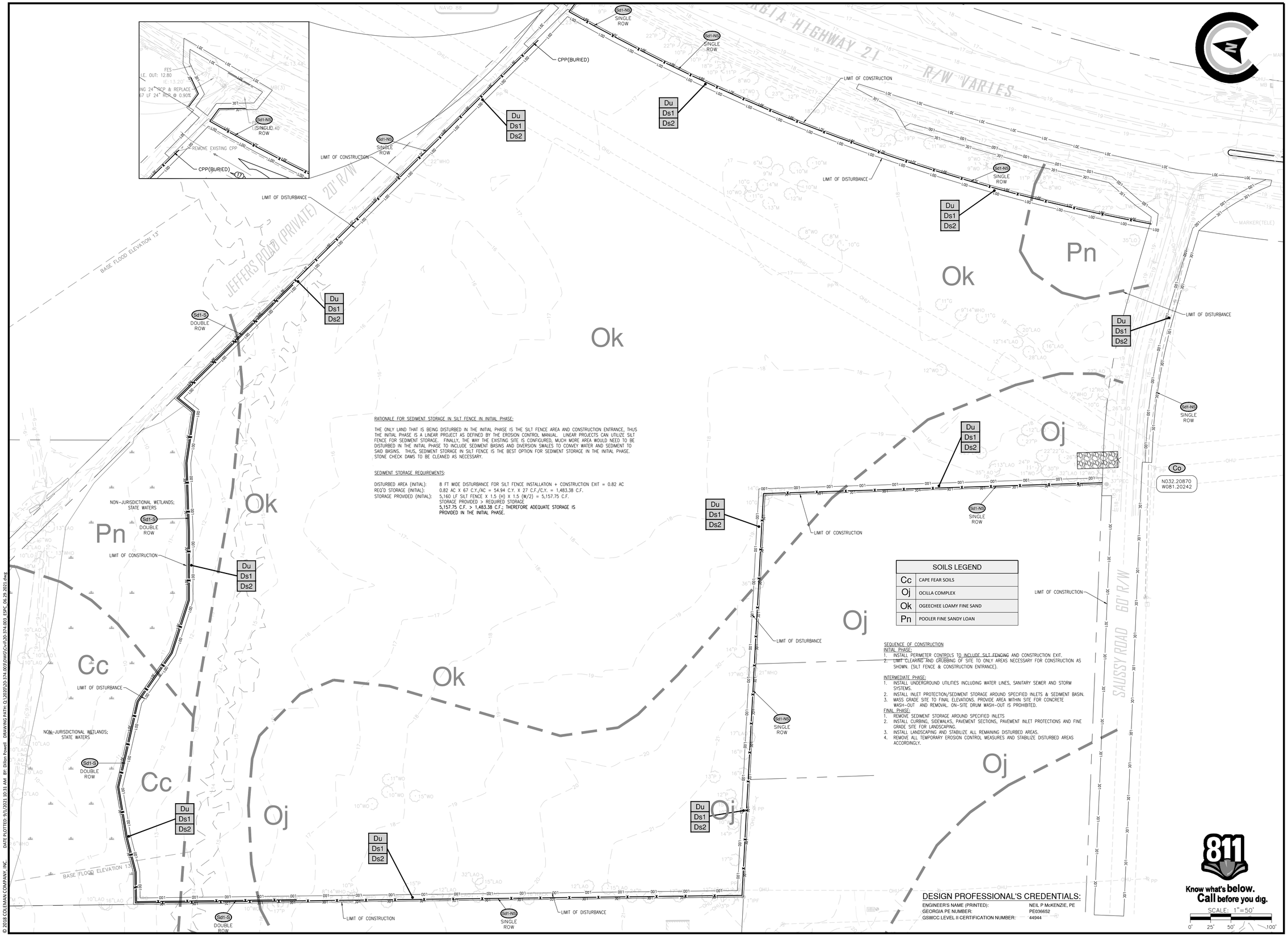
JOB NUMBER:	20-374.003
DATE:	6/30/21
DRAWN BY:	DCP
CHECKED BY:	NPM
SCALE:	AS NOTED

CONSTRUCTION DETAILS

SHEET:
C9.2

© 2018 COLEMAN COMPANY, INC. DATE PLOTTED: 9/1/2021 1:47 PM BY: Dillon Powell DRAWING PATH: Q:\2020\20-374.003\DWG\Civil\20-374.003 Main Project 6.16.21.dwg

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)



RATIONALE FOR SEDIMENT STORAGE IN SILT FENCE IN INITIAL PHASE:

THE ONLY LAND THAT IS BEING DISTURBED IN THE INITIAL PHASE IS THE SILT FENCE AREA AND CONSTRUCTION ENTRANCE, THUS THE INITIAL PHASE IS A LINEAR PROJECT AS DEFINED BY THE EROSION CONTROL MANUAL. LINEAR PROJECTS CAN UTILIZE SILT FENCE FOR SEDIMENT STORAGE. FINALLY, THE WAY THE EXISTING SITE IS CONFIGURED, MUCH MORE AREA WOULD NEED TO BE DISTURBED IN THE INITIAL PHASE TO INCLUDE SEDIMENT BASINS AND DIVERSION SWALES TO CONVEY WATER AND SEDIMENT TO SAID BASINS. THUS, SEDIMENT STORAGE IN SILT FENCE IS THE BEST OPTION FOR SEDIMENT STORAGE IN THE INITIAL PHASE. STONE CHECK DAMS TO BE CLEANED AS NECESSARY.

SEDIMENT STORAGE REQUIREMENTS:

DISTURBED AREA (INITIAL): 8 FT WIDE DISTURBANCE FOR SILT FENCE INSTALLATION + CONSTRUCTION EXIT = 0.82 AC
REQ'D STORAGE (INITIAL): 0.82 AC X 67 C.Y./AC = 54.94 C.Y. X 27 C.F./C.Y. = 1,483.38 C.F.
STORAGE PROVIDED (INITIAL): 5,160 LF SILT FENCE X 1.5 (H) X 1.5 (W/2) = 5,157.75 C.F.
STORAGE PROVIDED > REQUIRED STORAGE
5,157.75 C.F. > 1,483.38 C.F.; THEREFORE ADEQUATE STORAGE IS PROVIDED IN THE INITIAL PHASE.

SOILS LEGEND	
Cc	CAPE FEAR SOILS
Oj	OCILLA COMPLEX
Ok	OGEECHEE LOAMY FINE SAND
Pn	POOLER FINE SANDY LOAM

SEQUENCE OF CONSTRUCTION

INITIAL PHASE:
1. INSTALL PERIMETER CONTROLS TO INCLUDE SILT FENCING AND CONSTRUCTION EXIT.
2. LIMIT CLEARING AND GRUBBING OF SITE TO ONLY AREAS NECESSARY FOR CONSTRUCTION AS SHOWN. (SILT FENCE & CONSTRUCTION ENTRANCE).

INTERMEDIATE PHASE:
1. INSTALL UNDERGROUND UTILITIES INCLUDING WATER LINES, SANITARY SEWER AND STORM SYSTEMS.
2. INSTALL INLET PROTECTION/SEDIMENT STORAGE AROUND SPECIFIED INLETS & SEDIMENT BASIN.
3. MASS GRADE SITE TO FINAL ELEVATIONS. PROVIDE AREA WITHIN SITE FOR CONCRETE WASH-OUT AND REMOVAL. ON-SITE DRUM WASH-OUT IS PROHIBITED.

FINAL PHASE:
1. REMOVE SEDIMENT STORAGE AROUND SPECIFIED INLETS
2. INSTALL CURBING, SIDEWALKS, PAVEMENT SECTIONS, PAVEMENT INLET PROTECTIONS AND FINE GRADE SITE FOR LANDSCAPING.
3. INSTALL LANDSCAPING AND STABILIZE ALL REMAINING DISTURBED AREAS.
4. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND STABILIZE DISTURBED AREAS ACCORDINGLY.

DESIGN PROFESSIONAL'S CREDENTIALS:

ENGINEER'S NAME (PRINTED):	NEIL P McKENZIE, PE
GEORGIA PE NUMBER:	PE036652
GSWCC LEVEL II CERTIFICATION NUMBER:	44944

Know what's below. Call before you dig.

SCALE: 1"=50'
0' 25' 50' 100'

© 2018 COLEMAN COMPANY, INC. DATE PLOTTED: 9/1/2021 10:31 AM BY: Dillon Powell DRAWING PATH: Q:\2020\20-374.003\DWG\Civil\20-374.003 ESPC 06.29.2021.dwg

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | COLSAV.COM

NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. PE036652 PROFESSIONAL 9/1/21 ENGINEER NEIL P. McKENZIE

REVISIONS:

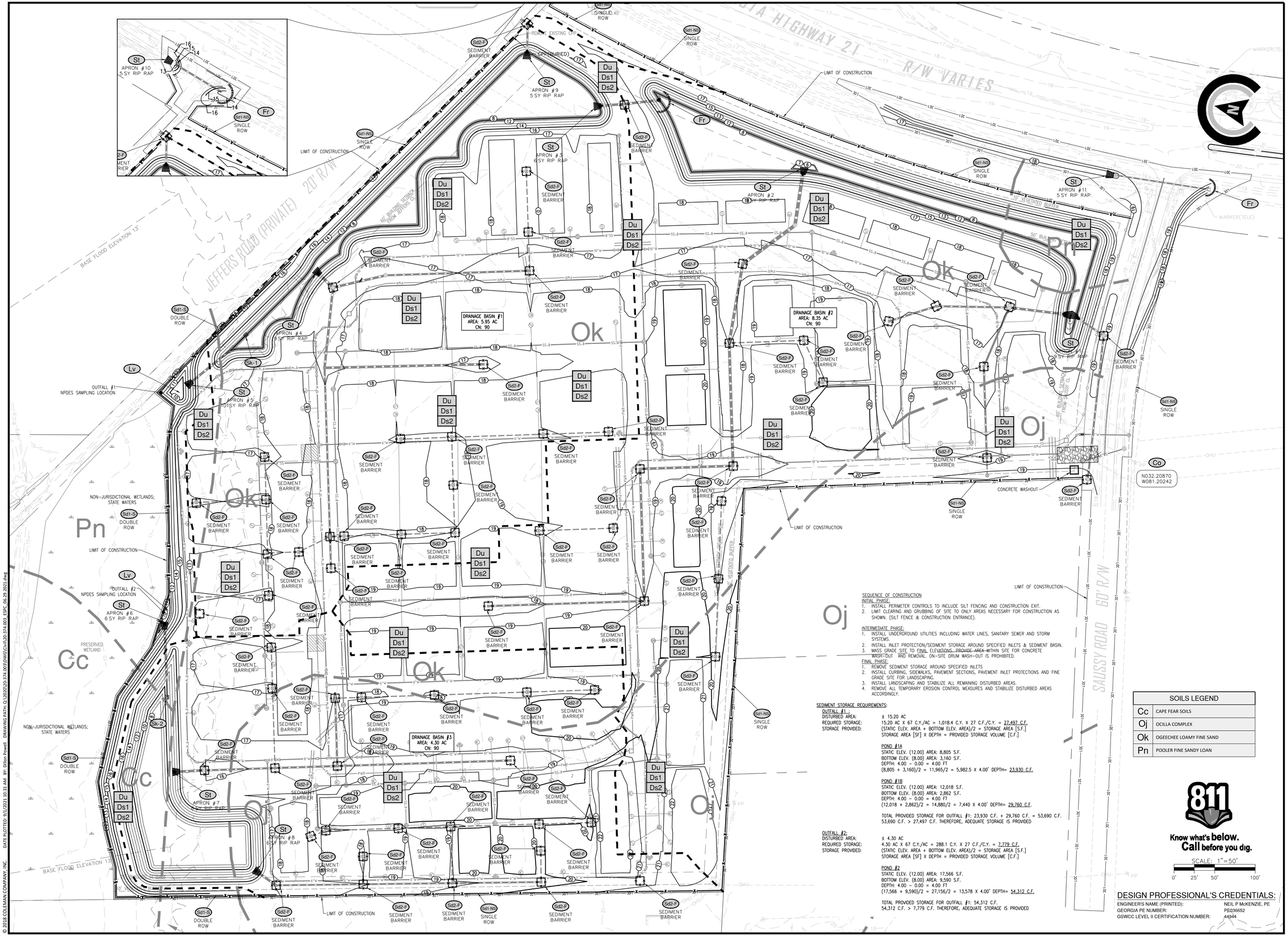
CIVIL CONSTRUCTION PLANS FOR
LMS COTTAGES
LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGMENT, LLC

JOB NUMBER:	20-374.003
DATE:	07/02/2021
DRAWN BY:	MLF
CHECKED BY:	NPM
SCALE:	AS NOTED

INITIAL ES&PC PLAN

SHEET:
CE1.0

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)



SEQUENCE OF CONSTRUCTION

INITIAL PHASE:
1. INSTALL PERIMETER CONTROLS TO INCLUDE SILT FENCING AND CONSTRUCTION EXIT.
2. LIMIT CLEARING AND GRUBBING OF SITE TO ONLY AREAS NECESSARY FOR CONSTRUCTION AS SHOWN. (SILT FENCE & CONSTRUCTION ENTRANCE).

INTERMEDIATE PHASE:
1. INSTALL UNDERGROUND UTILITIES INCLUDING WATER LINES, SANITARY SEWER AND STORM SYSTEMS.
2. INSTALL INLET PROTECTION/SEDIMENT STORAGE AROUND SPECIFIED INLETS & SEDIMENT BASIN.
3. MASS GRADE SITE TO FINAL ELEVATIONS. PROVIDE AREA WITHIN SITE FOR CONCRETE WASH-OUT AND REMOVAL. ON-SITE DRUM WASH-OUT IS PROHIBITED.

FINAL PHASE:
1. REMOVE SEDIMENT STORAGE AROUND SPECIFIED INLETS.
2. INSTALL CURBING, SIDEWALKS, PAVEMENT SECTIONS, PAVEMENT INLET PROTECTIONS AND FINE GRADE SITE FOR LANDSCAPING.
3. INSTALL LANDSCAPING AND STABILIZE ALL REMAINING DISTURBED AREAS.
4. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND STABILIZE DISTURBED AREAS ACCORDINGLY.

SEDIMENT STORAGE REQUIREMENTS:

OUTFALL #1 :
DISTURBED AREA: ± 15.20 AC
REQUIRED STORAGE: 15.20 AC X 67 C.Y./AC = 1,018.4 C.Y. X 27 C.F./C.Y. = 27,497 C.F.
STORAGE PROVIDED: (STATIC ELEV. AREA + BOTTOM ELEV. AREA)/2 = STORAGE AREA [S.F.] STORAGE AREA [SF] X DEPTH = PROVIDED STORAGE VOLUME [C.F.]

POND #1A
STATIC ELEV. (12.00) AREA: 8,805 S.F.
BOTTOM ELEV. (8.00) AREA: 3,160 S.F.
DEPTH: 4.00 – 0.00 = 4.00 FT
(8,805 + 3,160)/2 = 11,965/2 = 5,982.5 X 4.00' DEPTH= 23,930 C.F.

POND #1B
STATIC ELEV. (12.00) AREA: 12,018 S.F.
BOTTOM ELEV. (8.00) AREA: 2,862 S.F.
DEPTH: 4.00 – 0.00 = 4.00 FT
(12,018 + 2,862)/2 = 14,880/2 = 7,440 X 4.00' DEPTH= 29,760 C.F.

TOTAL PROVIDED STORAGE FOR OUTFALL #1: 23,930 C.F. + 29,760 C.F. = 53,690 C.F.
53,690 C.F. > 27,497 C.F. THEREFORE, ADEQUATE STORAGE IS PROVIDED

OUTFALL #2:
DISTURBED AREA: ± 4.30 AC
REQUIRED STORAGE: 4.30 AC X 67 C.Y./AC = 288.1 C.Y. X 27 C.F./C.Y. = 7,779 C.F.
STORAGE PROVIDED: (STATIC ELEV. AREA + BOTTOM ELEV. AREA)/2 = STORAGE AREA [S.F.] STORAGE AREA [SF] X DEPTH = PROVIDED STORAGE VOLUME [C.F.]

POND #2
STATIC ELEV. (12.00) AREA: 17,566 S.F.
BOTTOM ELEV. (8.00) AREA: 9,590 S.F.
DEPTH: 4.00 – 0.00 = 4.00 FT
(17,566 + 9,590)/2 = 27,156/2 = 13,578 X 4.00' DEPTH= 54,312 C.F.

TOTAL PROVIDED STORAGE FOR OUTFALL #1: 54,312 C.F.
54,312 C.F. > 7,779 C.F. THEREFORE, ADEQUATE STORAGE IS PROVIDED

SOILS LEGEND	
Cc	CAPE FEAR SOILS
Oj	OCILLA COMPLEX
Ok	OGEECHEE LOAMY FINE SAND
Pn	POOLER FINE SANDY LOAM

Know what's below. Call before you dig.

SCALE: 1"=50'
0' 25' 50' 100'

DESIGN PROFESSIONAL'S CREDENTIALS:
ENGINEER'S NAME (PRINTED): NEIL P McKENZIE, PE
GEORGIA PE NUMBER: PE036652
GSWCC LEVEL II CERTIFICATION NUMBER: 44944

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | COLSAV.COM

NOT FOR CONSTRUCTION

GEORGIA REGISTERED PROFESSIONAL No. PE036652 NEIL P. McKENZIE 9/1/21

REVISIONS:

CIVIL CONSTRUCTION PLANS FOR
LMS COTTAGES
LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGMENT, LLC

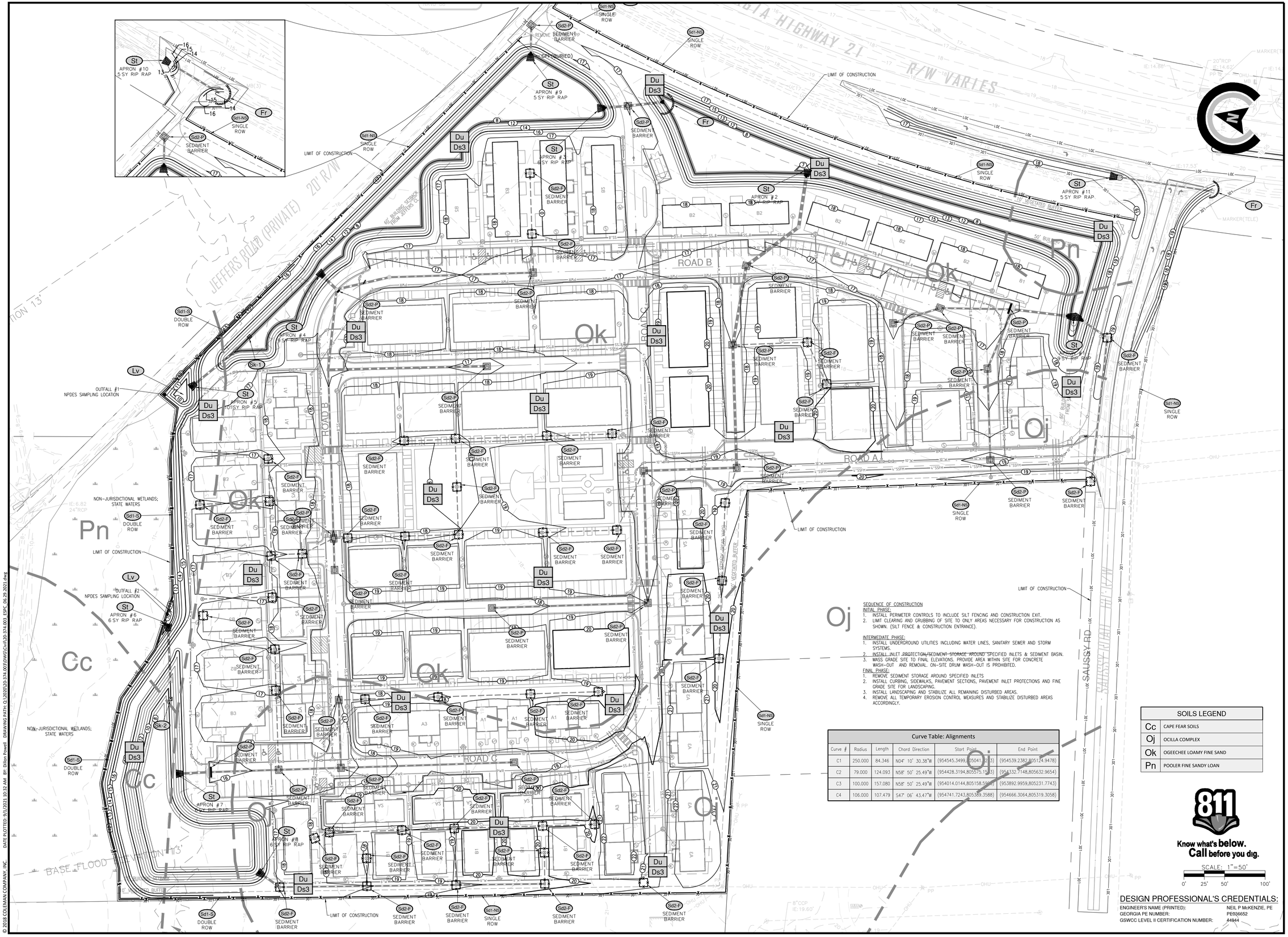
JOB NUMBER:	20-374.003
DATE:	07/02/2021
DRAWN BY:	MLF
CHECKED BY:	NPM
SCALE:	AS NOTED

INTERMEDIATE ES&PC PLAN

SHEET:
CE2.0

© 2018 COLEMAN COMPANY, INC.
DATE PLOTTED: 9/1/2021 10:31 AM - BY: Dillon Powell DRAWING PATH: Q:\2020\20-374.003\DWG\Civil\20-374.003 ESPC 06.29.2021.dwg

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)



SEQUENCE OF CONSTRUCTION

INITIAL PHASE:
1. INSTALL PERIMETER CONTROLS TO INCLUDE SILT FENCING AND CONSTRUCTION EXIT.
2. LIMIT CLEARING AND GRUBBING OF SITE TO ONLY AREAS NECESSARY FOR CONSTRUCTION AS SHOWN. (SILT FENCE & CONSTRUCTION ENTRANCE).

INTERMEDIATE PHASE:
1. INSTALL UNDERGROUND UTILITIES INCLUDING WATER LINES, SANITARY SEWER AND STORM SYSTEMS.
2. INSTALL INLET PROTECTION/SEDIMENT STORAGE AROUND SPECIFIED INLETS & SEDIMENT BASIN.
3. MASS GRADE SITE TO FINAL ELEVATIONS. PROVIDE AREA WITHIN SITE FOR CONCRETE WASH-OUT AND REMOVAL. ON-SITE DRUM WASH-OUT IS PROHIBITED.

FINAL PHASE:
1. REMOVE SEDIMENT STORAGE AROUND SPECIFIED INLETS.
2. INSTALL CURBING, SIDEWALKS, PAVEMENT SECTIONS, PAVEMENT INLET PROTECTIONS AND FINE GRADE SITE FOR LANDSCAPING.
3. INSTALL LANDSCAPING AND STABILIZE ALL REMAINING DISTURBED AREAS.
4. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND STABILIZE DISTURBED AREAS ACCORDINGLY.

Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	250.000	84.346	N04° 10' 30.38"W	(954545.3499,805041.2213)	(954539.2382,805174.9478)
C2	79.000	124.093	N58° 50' 25.49"W	(954428.3194,805575.1115)	(954332.7148,805632.9654)
C3	100.000	157.080	N58° 50' 25.49"W	(954014.0144,805158.5080)	(953892.9959,805231.7743)
C4	106.000	107.479	S47° 06' 43.47"W	(954741.7243,805389.3588)	(954666.3064,805319.3058)

SOILS LEGEND	
Cc	CAPE FEAR SOILS
Oj	OCILLA COMPLEX
Ok	OGEECHEE LOAMY FINE SAND
Pn	POOLER FINE SANDY LOAN

811 Know what's below. Call before you dig.

SCALE: 1"=50'
0' 25' 50' 100'

DESIGN PROFESSIONAL'S CREDENTIALS:

ENGINEER'S NAME (PRINTED):	NEIL P McKENZIE, PE
GEORGIA PE NUMBER:	PE036652
GSWCC LEVEL II CERTIFICATION NUMBER:	44944

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | COLSAV.COM

NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. PE036652 PROFESSIONAL NEIL P. McKENZIE 9/1/21

REVISIONS:

CIVIL CONSTRUCTION PLANS FOR
LMS COTTAGES
LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGMENT, LLC

JOB NUMBER:	20-374.003
DATE:	07/02/2021
DRAWN BY:	MLF
CHECKED BY:	NPM
SCALE:	AS NOTED

FINAL ES&PC PLAN

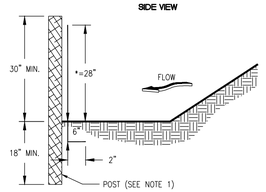
SHEET:
CE3.0

© 2018 COLEMAN COMPANY, INC.
DATE PLOTTED: 9/1/2021 10:32 AM BY: Dillon Powell DRAWING PATH: Q:\2020\20-374.003\DWG\Civil\20-374.003_ESPC_06.29.2021.dwg

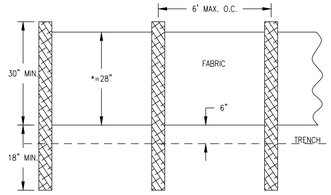
Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

SILT FENCE – TYPE NS (NON-SENSITIVE) — Sd1-NS

SIDE VIEW



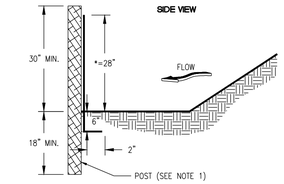
FRONT VIEW



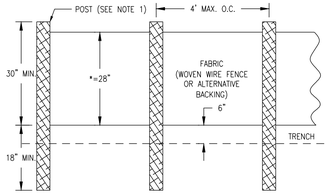
NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

SILT FENCE – TYPE S (SENSITIVE) — Sd1-S

SIDE VIEW



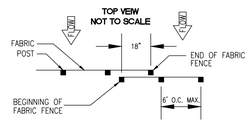
SIDE VIEW



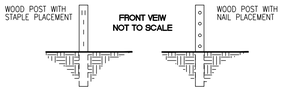
NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

OVERLAP AT FABRIC ENDS

TOP VIEW
NOT TO SCALE



FASTENERS FOR SILT FENCES



POST SIZE

TYPE	MIN. LENGTH	TYPE OF POST	SIZE OF POST
NS	4'	OAK	1.5"x1.5"
		STEEL	1.15 LB/FT MIN.
S	4'	SOFT WOOD	3" DIA. OR 2"x4"
		OAK	2"x2"
		STEEL	1.15 LB/FT MIN.

FASTENERS FOR WOOD POST (WIRE STAPLES)

GAUGE	CROWN	LEGS	STAPLES/POST
17 MIN.	3/4" WIDE	1/2" LONG	5 MIN.

FASTENERS FOR WOOD POST (NAILS)

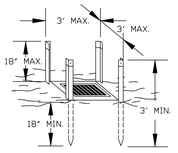
GAUGE	LENGTH	BUTTON HEADS	NAIL/POST
14 MIN.	1"	3/4"	4 MIN.

NOTE: FILTER FABRIC MAY ALSO BE ATTACHED TO THE POST BY WIRE, CORD, AND POCKETS OR ANY METHOD PROVIDED MINIMUM P-FACTOR, AS REQUIRED BY GCWCC, IS MET.

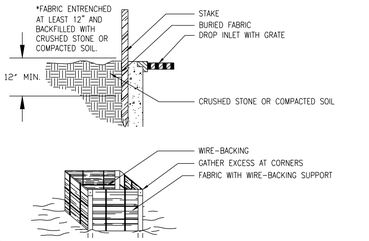
NOTES:
1. THE FABRIC AND WIRE SHOULD BE SECURELY FASTENED TO POSTS AND FABRIC ENDS MUST BE OVERLAPPED A MINIMUM OF 18" OR WRAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER AROUND THE INLET.

FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION — Sd2-F

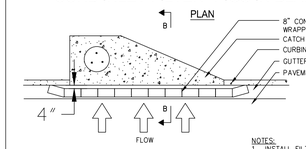
STEEL FRAME AND SILT FENCE INSTALLATION



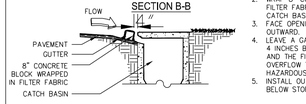
NOTES:
1. DESIGN IS FOR SLOPES NO GREATER THAN 5% (NOT DESIGNED FOR CONCENTRATED FLOWS).
2. THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAXIMUM OF 3' APART).
3. THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.
4. THE FABRIC SHOULD BE ENTRENCHED AT LEAST 12" AND THEN BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.

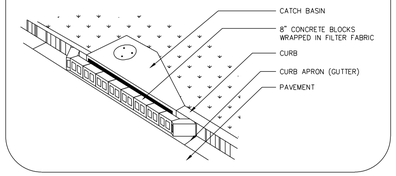


CURB INLET FILTER "PIGS IN BLANKET" — Sd2-P



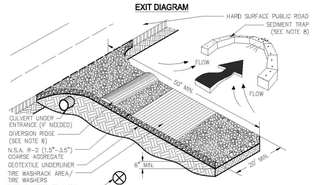
NOTES:
1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
3. FACE OPENINGS IN BLOCKS OUTWARD.
4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.



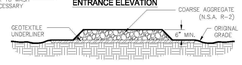


CRUSHED STONE CONSTRUCTION EXIT — Co

EXIT DIAGRAM



ENTRANCE ELEVATION

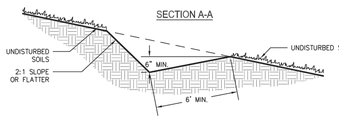


NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE.. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

Figure 6-14.1

Lv

SECTION A-A



ISOMETRIC VIEW - NOT TO SCALE

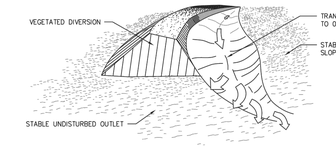
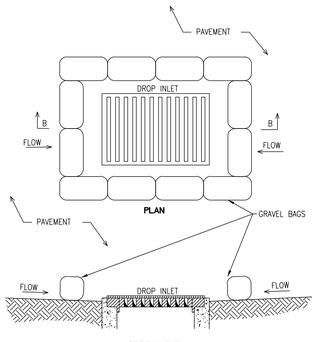


Figure 1. Level Spreader Installation Requirements

GRATE/DROP INLET FILTER GRAVEL BAGS — Sd2-P

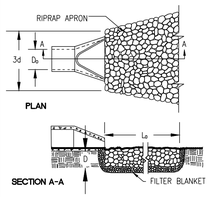


SECTION B-B

NOTES:
1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION
2. USE GRAVEL BAGS CONSTRUCTED BY WRAPPING DOT #57 STONE WITH FILTER FABRIC, WIRE, PLASTIC MESH, OR EQUIVALENT MATERIAL.

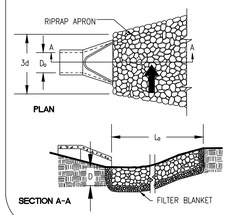
RIPRAP OUTLET PROTECTION — St

PIPE OUTLET TO FLAT AREA -- NO WELL DEFINED CHANNEL



NOTES:
1. La IS THE LENGTH OF THE RIPRAP APRON.
2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND THE SOIL FOUNDATION.

PIPE OUTLET TO WELL DEFINED CHANNEL

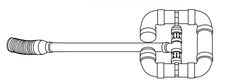


NOTES:
1. La IS THE LENGTH OF THE RIPRAP APRON.
2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND THE SOIL FOUNDATION.

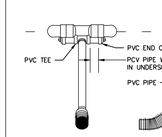
TEMPORARY SEDIMENT POND — Sk

NOTE:
SKIMMER CONFIGURATION SHOWN IS TYPICAL. THE DESIGNER/ENGINEER MAY SUBMIT AN ALTERNATE SKIMMER DETAIL FOR REVIEW.

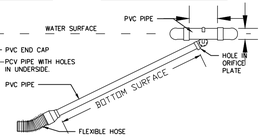
SKIMMER PERSPECTIVE



SKIMMER FRONTAL SECTION VIEW



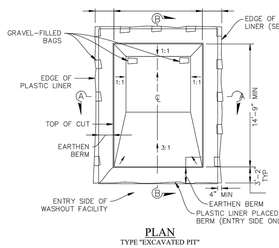
SKIMMER SIDE SECTION VIEW



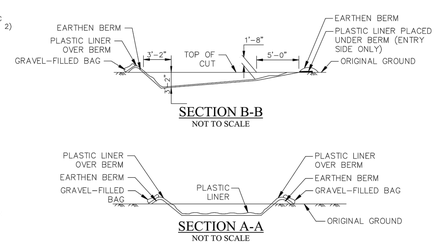
FLOW CAPACITIES (IN CU. FT.) FOR THE *FAIRCLOTH SKIMMER®*

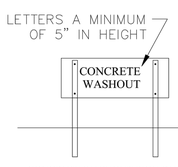
Skimmer size	1.5"	2"	2.5"	3"	4"	5"	6"	8"
24 hours	1,728	3,283	6,234	9,774	20,109	32,832	51,840	97,978
2 day	3,456	6,566	12,468	19,548	40,218	65,664	103,680	195,956
3 day	5,184	9,849	18,702	29,322	60,327	98,496	155,520	293,934
4 day	6,912	13,132	24,936	39,096	80,436	131,328	207,360	391,912
5 day	8,640	16,415	31,170	48,870	100,545	164,160	259,200	489,890
6 day	10,368	19,698	37,404	58,644	120,654	196,992	311,040	587,868
7 day	12,096	22,981	43,638	68,418	140,763	229,824	362,880	685,846

EXCAVATED PIT CONCRETE WASHOUT



PLAN
TYPE "EXCAVATED PIT"



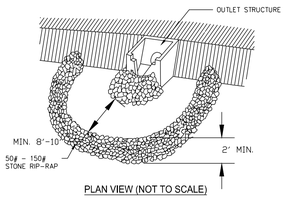


CONCRETE WASHOUT SIGN DETAIL

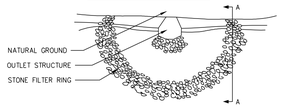
NOTES:
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. INSTALL CONCRETE WASHOUT SIGN (24"X24", MINIMUM) WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. TEMPORARY WASHOUT AREA MUST BE AT LEAST 50' FROM A STORM DRAIN, CREEK BANK OR PERIMETER CONTROL.
4. CLEAN OUT CONCRETE WASHOUT AREA WHEN 50% FULL.
5. THE KEY TO FUNCTIONAL CONCRETE WASHOUTS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR CLEAN OUT.
6. SILT FENCE SHALL BE INSTALLED AROUND PERIMETER OF CONCRETE WASHOUT AREA EXCEPT FOR THE SIDE UTILIZED FOR ACCESSING THE WASHOUT.
7. A ROCK CONSTRUCTION ENTRANCE MAY BE NECESSARY ALONG ONE SIDE OF THE WASHOUT TO PROVIDE VEHICLE ACCESS.

STONE FILTER RING — Fr

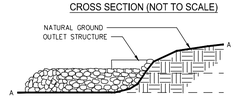
PERSPECTIVE VIEW



PLAN VIEW (NOT TO SCALE)



CROSS SECTION (NOT TO SCALE)



RIP RAP APRON DESIGN

LMS COTTAGES

Date: 07/01/2021
CCI#: 20-374.003

	Outlet Pipe Diameter / Width	Velocity	Total Outflow	Tailwater Depth < or > 0.5Do	La and Do from figure 6-24.1 in green book		W=Do+La OR W=Do+0.4La	Depth of Apron=1.5*D 50 (6"min)	3Do	RIP RAP AREA
APRON	**D_o ft.**	**V_o fps**	**$Q_{0.5}$ cfs**	**< >**	**L ft.**	**D_{50} in.**	**W_1 ft.**	**H in.**	**W_2 ft.**	**AREA sy**
APRON #1 [FES-1]	2.50	0.45	2.19	>	11.00	6.00	6.90	9.00	7.50	9
APRON #2 [FES-2]	2.50	1.03	5.08	>	11.00	6.00	6.90	9.00	7.50	9
APRON #3 [FES-4]	2.00	5.47	17.19	>	9.00	6.00	5.60	9.00	6.00	6
APRON #4 [FES-5]	2.50	1.32	6.48	>	11.00	6.00	6.90	9.00	7.50	9
APRON #5 [FES-6]	2.00	16.67	52.38	>	58.00	7.50	25.20	11.25	6.00	101
APRON #6 [FES-7]	2.00	6.63	20.84	>	9.00	6.00	5.60	9.00	6.00	6
APRON #7 [FES-8]	2.00	6.49	2.55	>	9.00	6.00	5.60	9.00	6.00	6
APRON #8 [FES-9]	2.00	5.10	1.24	>	9.00	6.00	5.60	9.00	6.00	6
APRON #9 [FES-10]	2.00	1.02	1.98	>	9.00	6.00	5.60	9.00	6.00	5
APRON #10 [CULVERT]	2.00	0.96	1.12	>	9.00	6.00	5.60	9.00	6.00	5

Calculate Skimmer Size — Sk-1

Basin Volume in Cubic Feet	110101 Cu.Ft	**Skimmer Size**	**6.0** Inch
Days to Drain*	3 Days	Orifice Radius	**2.5** Inch[es]
		Orifice Diameter	**5.1** Inch[es]

*In NC assume 3 days to drain

Calculate Skimmer Size — Sk-2

Basin Volume in Cubic Feet	44140 Cu.Ft	**Skimmer Size**	**4.0** Inch
Days to Drain*	3 Days	Orifice Radius	**1.7** Inch[es]
		Orifice Diameter	**3.4** Inch[es]

*In NC assume 3 days to drain

DESIGN PROFESSIONAL'S CREDENTIALS:

ENGINEER'S NAME (PRINTED):	NEIL P McKENZIE, PE
GEORGIA PE NUMBER:	PE036652
GSWCC LEVEL II CERTIFICATION NUMBER:	44944

NRCS ORIGINAL SUBMITTAL:	07.02.2021

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | COLSAV.COM

NOT FOR CONSTRUCTION

GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. PE036652
NEIL P. McKENZIE
9/1/21

REVISIONS:

CIVIL CONSTRUCTION PLANS FOR
LMS COTTAGES
LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGMENT, LLC

JOB NUMBER:	20-374.003
DATE:	07/02/2021
DRAWN BY:	MLF
CHECKED BY:	NPM
SCALE:	AS NOTED

EROSION CONTROL DETAILS

SHEET:
CE4.0

© 2018 COLEMAN COMPANY, INC.

DATE PLOTTED: 9/1/2021 10:32 AM BY: Dillon Powell DRAWING PATH: Q:\2020\20-374.003\DWG\Civil\20-374.003_ESPC_06.29.2021.dwg

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

Ds1

DISTURBED AREA STABILIZATION
(WITH MULCHING ONLY)

DEFINITION

A temporary cover of plant residues or other suitable materials, produced on site if possible, applied to the soil surface.

PURPOSE

- Reduce runoff and erosion
- Modify soil temperature
- Conserve moisture
- Prevent surface compaction and crusting
- Control undesirable vegetation
- Increase biological activity in the soil

INSTALLATION

- Apply mulch or temporary grassing to all exposed areas within 14 days of disturbance.
- Applicable to graded or cleared areas where seedings may not have a suitable growing season to produce an erosion retardant cover.
- Mulch can be used as a singular erosion control device for up to 6 months.
- Apply at the appropriate depth. Refer to Table 1 for specific materials.

Site Preparation
- Grade to permit the use of equipment for applying and anchoring mulch

Ds1

- Install needed erosion control measures such as dikes, berms, and sediment barriers.
- Loosen compacted soil to a minimum depth of 3".

Applying Mulch
- Apply dry straw or hay and wood chips uniformly by hand or by mechanical equipment.
- Apply 20-30 lbs of nitrogen/acre if the area will eventually be covered with perennial vegetation.
- Apply polyethylene film on exposed areas.

Anchoring Mulch
- Press straw or hay into the soil with a disk harrow immediately after application. Tackifiers may be used when spreading mulch with blower-type equipment.
- Anchor wood waste using the appropriate size netting
- Trench polyethylene at the top as well as incrementally as necessary.

Table 1. Mulching Application Requirements

Material	Rate	Depth
Straw or hay	-	2" to 4"
Wood waste, chips, sawdust, bark	-	2" to 3"
Polyethylene film	Secure with soil, anchors, weights	-
Geotextiles, jute matting, netting, etc.	See manufac-turer's recom-mentations	-

MAINTENANCE

- The appropriate depth and 90% cover shall be maintained at all times.

Ds3

DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

ESTABLISHING A PERMANENT VEGETATIVE COVER AS A DISTURBED AREA.
-TO STABILIZE THE SOIL
-TO REDUCE DAMAGE FROM SEDIMENT AND RUNOFF TO DOWNSTREAM AREAS
-TO IMPROVE WILDLIFE HABITAT AND VISUAL RESOURCES

*APPLICABLE ON HIGHLY ERODIBLE OR SEVERELY ERODED AREAS, SOMETIMES CALLED "CRITICAL AREAS"

INCLUDING:

-CUT OR FILL SLOPES
-EARTH SPILLWAYS
-BORROW AREAS
-CHANNEL BANKS
-BERMS
-ROADSIDES
-SPOILS AREAS
-GULLIED LANDS

*GRADING AND SHAPING REQUIRED WHERE FEASIBLE PRACTICAL
*SEEDED PREPARATION
-NOT REQUIRED IF USING HYDRAULIC SEEDING AND FERTILIZING
-WHEN REQUIRED:

SLOPE	SEEDBED
3:1 OR FLATTER	≥ 4" DEEP
2:1 TO 3:1	1" TO 4" DEEP
2:1 OR STEEPER	DEPRESSION EVERY 6"-8" WITH HAND TOOL

*HAVE SOIL ANALYZED FOR LIME AND FERTILIZER RATE
*MULCH ALL SLOPES STEEPER THAN 3% AND IN BOTTOM OF SPILLWAYS AND ON ROADBANKS
*ANCHOR MULCH IMMEDIATELY

Table 1. Some Permanent Plant Species, Seeding Rates, and Planting Dates

Species	Rates per Acre	Rates per 1,000 sq. ft	Planting Dates by Region M- L	P	C	Remarks
Bahia, Pensacola Alone or with temporary cover With other perennials	60 lbs. 30 lbs.	1.4 lbs. 0.7 lb.	---	4/1 -5/31	3/1-5/31	Low growing; sod producing; will spread into Bermuda lawns.
Bahia, Wilmington Alone or with temporary cover With other perennials	60 lbs. 30 lbs.	1.4 lbs. 0.7 lb.	3/15-5/31	3/1-5/31	—	Same as above
Bermuda, Common (Hulled seed) Alone With other perenials	10 lbs. 6 lbs.	0.2 lb. 0.1 lb.	---	4/1-5/31	3/15-5/31	Quick cover; low growing; sod forming; needs full sun.
Bermuda, Common (Unhulled seed) With temporary cover With other perennials	10 lbs. 6 lbs.	0.2 lb. 0.1 lb	---	10/1-2/28	11/1-1/31	Plant with Winter annuals. Plant with Tall Fescue

Species	Rates per Acre	Rates per 1,000 sq. ft	Planting Dates by Region M- L	P	C	Remarks
Bermuda Springs Common lawn and forage hybrids	40 cu. ft. Sod plugs 3' x3'	0.9 cu.ft.	4/15-6/15	4/1-6/15	4/1-5/31	1 cu. ft. = 650 sprigs 1 bu. = 1.25 cu. ft. or 800 sprigs
Centipede	Blcok Sod Only	Block Sod Only	---	11/1-5/31	11/1-5/31	Drought tolerant. Full sun or partial shade.
Crown Vetch With winter annuals or cool season grasses	15 lbs.	0.3 lb.	9/1-10/15	9/1-10/15	--	Mix with 30 lbs. Tall Fescue or 15 lbs. Rye; inoculate seed; plant only North of Atlanta.
Fescue, Tall Alone With other perennials	50 lbs. 30 lbs.	1.1 lbs. 0.7 lb.	3/1-4/15 or 8/15-10/15	9/1-10/15	---	Can be mixed with perennial Lespedezas or Crown Vetch; not for droughty soils or heavy use areas

Ds3

Species	Rates per Acre	Rates per 1,000 sq. ft	Planting Dates by Region M- L	P	C	Remarks
Lespedeza, Sericea Scarified	60 lbs.	1.4 lbs.	4/1-5/31	3/15-5/31	3/1-5/15	Widely adapted and low maintenance; takes 2-3 years to establish; inoculate seed with EL inoculant; mix with Weeping lovegrass, Common Bermuda, Bahia or Tall Fescue.
Unscarified	75 lbs.	1.7 lbs.	9/1-2/28	9/1-2/28	9/1-2/28	Mix with Tall Fescue or winter annuals.
Seed-bearing hay	3 tons	138 lbs.	10/1-2/28	10/1-1/31	10/15-1/15	Cut when seed is mature but before it shatters. Add Tall Fescue or winter annuals.

Ds2-Ds3 NOTES:

Ds2
1. FOR TEMPORARY GRASSING SEE SEEDING RATES FOR TEMPORARY & PERMANENT COVER. THE TEMPORARY GRASSING SHALL BE APPLIED WITHIN 14 DAYS OF DISTURBANCE.
2. A 6-12-12 FERTILIZER SHALL BE USED ON THE DISTURBED AREA OF Ds2 AND SHALL BE APPLIED AT A RATE OF 1500 LBS. PER AC.

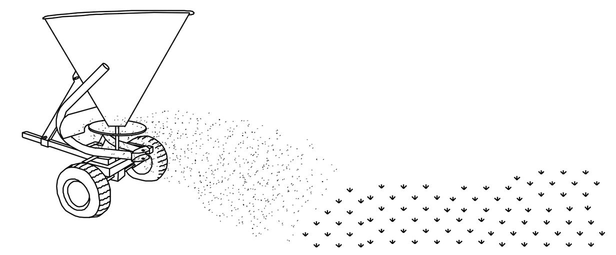
Ds3
1. FOR PERMANENT GRASSING SEE SEEDING RATES FOR TEMPORARY & PERMANENT COVER. IF A HYDRAULIC SEEDER IS TO BE USED, REFER TO THE EROSION AND SEDIMENT CONTROL MANUAL FOR FURTHER DIRECTION ON THE METHOD OF APPLICATION.
2. A 6-12-12 FERTILIZER SHALL BE USED ON THE DISTURBED AREA OF Ds3 AND SHALL BE APPLIED AT RATE OF 1500 LBS. PER AC.
3. DRIED STRAW OR DRY HAY SHALL BE USED FOR MULCHING AND APPLIED AT A RATE OF 2 TONS PER ACRE. MULCH WILL BE SPREAD UNIFORMLY WITHIN 24 HOURS AFTER SEEDING. THE MULCH MAY BE SPREAD BY BLOWER-TYPE SPREADING EQUIPMENT, OTHER SPREADING EQUIPMENT OR BY HAND. MULCH SHALL BE APPLIED TO COVER 75% OF THE SOIL SURFACE.

LIME
APPLY ONE (1) TON OF AGRICULTURAL LIME EVERY 4 TO 6 YEARS OR AS INDICATED BY SOIL TEST. SOIL TESTS CAN BE CONDUCTED TO DETERMINE MORE ACCURATE REQUIREMENTS.

Ds2

DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)

ESTABLISHING TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS ON DISTURBED OR DENUDED AREAS.



ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

* SITE PREPARATION
-GRADING AND SHAPING
-SEEDBED PREPARATION
-APPLY LIME AND FERTILIZER
-PLANT SEEDING, SELECT SPECIES BY SEASON AND REGION
-APPLY MULCHING MATERIAL IF NEEDED
-IRRIGATE IF NEEDED BUT NOT AT RATE TO CAUSE EROSION

*PLANTING DATES DEPEND ON SPECIES AND REGION (MOUNTAIN, PIEDMONT OR COASTAL)

SEEDING RATES FOR TEMPORARY SEEDINGS

SPECIES	RATE (ñ) PER 1,000 SQ FT	RATE (ñ) PER ACRES	PLANTING DATES (ô) MTS-L'STONE	PIEDMONT	COASTAL
RYEGRASS	0.9 POUNDS	40 LBS	8/15-11/15	9/1-12/15	9/15-12/31
ANNUAL LESPEDEZA	0.9 POUNDS	40 LBS.	3/1-3/31	3/1-3/31	2/1-2/28
WEEPING LOVEGRASS	0.1 POUNDS	4 LBS.	4/1-5/31	4/1-5/31	3/1-5/31

* ALL SEEDING NUMBERS ARE ALONE FOR MIXTURE NUMBER SEE MANUAL FOR EROSION AND SEDIMENT TABLE 6-24.1 PAGES 6-134 - 6-136.

ñ UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES.
ô SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND LOCAL CONDITIONS.

Table 1. Some Permanent Plant Species, Seeding Rates, and Planting Dates (continued)

Species	Rates per Acre	Rates per 1,000 sq. ft	Planting Dates by Region M- L	P	C	Remarks
Lespedeza Ambro Virgata or Appalow Scarified Unscarified	60 lbs. 75 lbs.	1.4 lbs. 1.7 lbs.	4/1-5/31 9/1-2/28	3/15-5/31 9/1-2/28	3/1-5/15 9/1-2/28	Spreading growth with height of 18"-24"; good in urban areas; slow to develop good stands; mix with Weeping Lovegrass, Common Bermuda, Bahia Tall Fescue or winter annuals; do not mix with Sericea Lespededeza; inoculate seed with EL inoculant.
Lespedeza, Shrub (Lespedeza Bicolor or Lespedeza Thumbergii) Plants	3' x 3' spacing		10/1-3/31	11/1-3/15	11/15-2/28	Plant in small clumps for wildlife food and cover.

Ds3

Species	Rates per Acre	Rates per 1,000 sq. ft	Planting Dates by Region M- L	P	C	Remarks
Lovegrass, weeping Alone With other perennials	4 lbs. 2 lbs.	0.1 lb. 0.05 lb.	4/1-5/31	3/15-5/31	3/1-5/31	Quick cover; drought tolerant; grows well with Sericea Lespedeza on road-banks and other steep slopes; short lived.
Maidencane sprigs	2' x 3' spacing		2/1-3/31	2/1-3/31	2/1-3/31	For very wet sites such as river banks and shorelines. Dig sprigs locally.
Panicgrass, Altantic Coastal	20 lbs.	0.5 lb.	---	3/1-4/30	3/1-4/30	Grows well on coastal sand dunes; mix with Sericea Lespedeza but not on sand dune.
Red Canary Grass With other perennials	50 lbs. 30 lbs.	1.1 lbs. 0.7 lb.	8/15-10/15	9/1-10/15	—	Grows similar to Tall Fescue; for wet sites

Species	Rates per Acre	Rates per 1,000 sq. ft	Planting Dates by Region M- L	P	C	Remarks
Sunflower, Aztec Maximillian	10 lbs.	0.2 lb.	4/15-5/31	4/15-5/31	4/1-5/31	Mix with Weeping Lovegrass or other low growing grasses or legumes.

1. Rates are for broadcasted seed. If a seed drill is used, reduce the rates by one-half.
2. PLS is an abbreviation for Pure Live Seed. Refer to Glossary for an explanation of this term.
3. The resource areas are defined in the Glossary. See page 60 for Resource Area.
4. Seeding rates are based on pure live seeds (PLS).

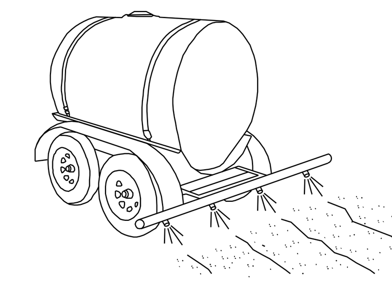
Table 2. Fertilizer Requirements for Permanent Vegetation

Ds3

Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs./ acre)	N Top Dressing Rate (lbs./acre)
Cool season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 1000 400	50-100 --- 30
Cool grasses and legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 1000 400	0-50 --- ---
Warm season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 800 400	50-100 50-100 30
Warm season grasses and legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 1000 400	50 --- ---

DUST CONTROL ON DISTURBED AREAS

Du



CONTRACTOR SHALL EMPLOY THE FOLLOWING TEMPORARY METHODS TO LIMIT THE SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES:

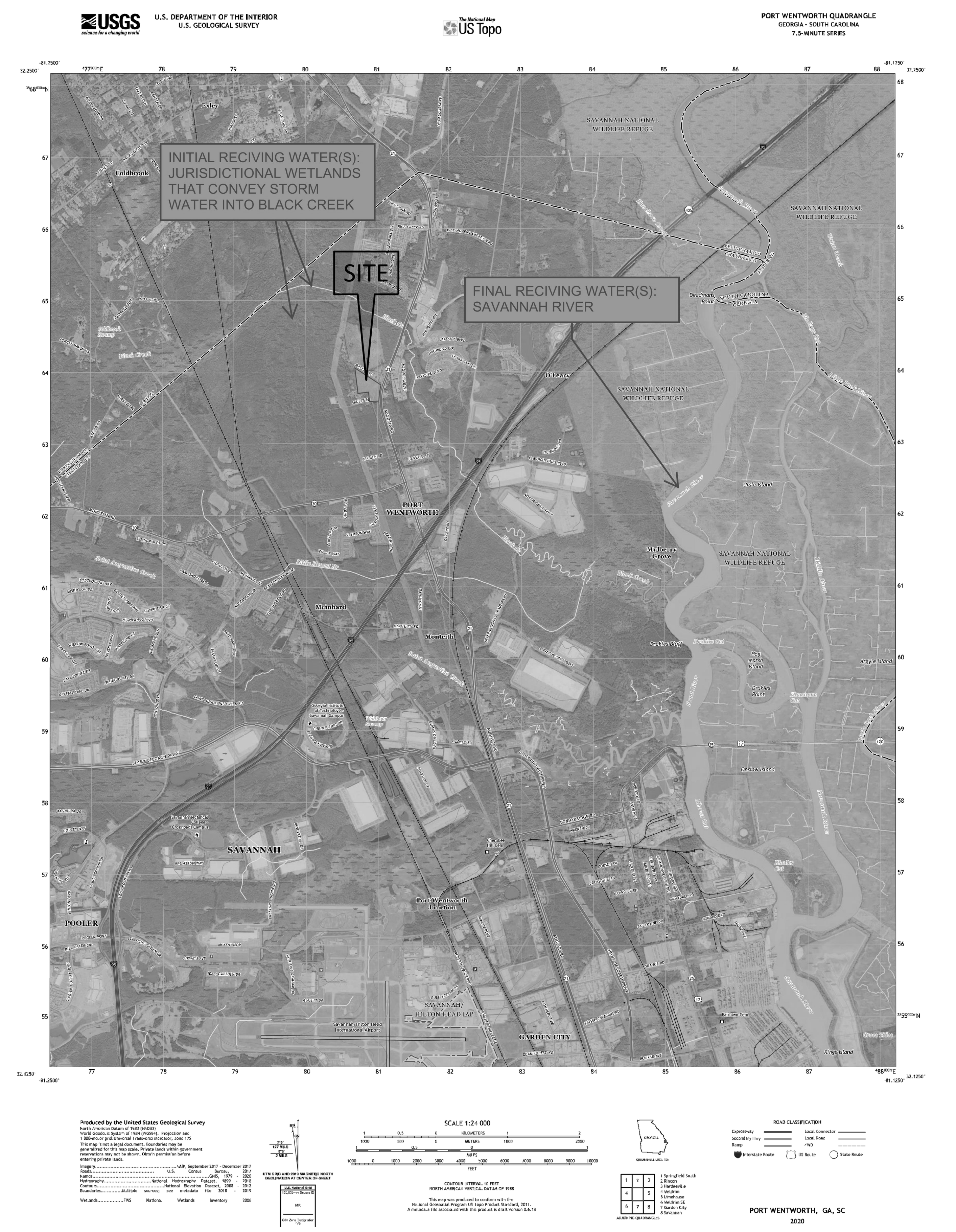
*TEMPORARY METHODS:
-MULCHES
-SPRAY ON ADHESIVES
-TILLING
-IRRIGATION
-BARRIERS
-CALCIUM CHLORIDE

*PERMANENT METHODS
-PERMANENT VEGETATION
-TOPSOIL
-STONE COVER

*CHEMICAL CONTROL

ADHESIVE ADHESIVE	WATER DILUTION	TYPE OF NOZZLE	APPLICATION RATE (GAL/AC)
ANIONIC ASPHALT EMULSION	7.1	SPRAY	1200
LATEX EMULSION	12 1/2:1	FINE SPRAY	235
RESIN-IN-WATER EMULSION	4:1	FINE SPRAY	300

WIGGINS TRACT - USGS QUAD MAP



NRCS ORIGINAL SUBMITTAL: 07.02.2021

DESIGN PROFESSIONAL'S CREDENTIALS:
ENGINEER'S NAME (PRINTED): NEIL P McKENZIE, PE
GEORGIA PE NUMBER: PE036652
GSWCC LEVEL II CERTIFICATION NUMBER: 44944

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | CCI-SAV.COM

NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. PE036652 PROFESSIONAL ENGINEER NEIL P. McKENZIE 9/1/21

REVISIONS:

CIVIL CONSTRUCTION PLANS FOR
LMS COTTAGES
LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGMENT, LLC

JOB NUMBER: 20-374.003
DATE: 07/02/2021
DRAWN BY: MLF
CHECKED BY: NPM
SCALE: AS NOTED

EROSION CONTROL DETAILS

SHEET: CE4.1

© 2018 COLEMAN COMPANY, INC. DATE PLOTTED: 9/1/2021 10:32 AM BY: Dillon Powell DRAWING PATH: Q:\2020\20-374.003\DWG\Civil\20-374.003_ESPC_06.29.2021.dwg

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

INITIAL PHASE

PRIOR TO THE LAND DISTURBING CONSTRUCTION, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA SITE DEVELOPMENT INSPECTOR.

THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO INSURE THAT LAND STRIPPING OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES.

THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.

NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURN AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS.

A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.

PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE AND ALL STREAM BUFFERS SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.

PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION EXIT SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.

THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY:

1. THE CONSTRUCTION EXIT, CONSISTING OF A MINIMUM PAD SIZE OF 20 FEET BY 50 FEET WITH A MINIMUM 6" THICK STONE, SHALL BE PLACED AS SHOWN ON THE PLAN. THE STONE SIZE SHOULD CONSIST OF COURSE AGGREGATE BETWEEN 1-1/2" & 3-1/2" IN DIAMETER AND OVERLAID ON A GEOTEXTILE UNDERLINER. THE GEOTEXTILE UNDERLINER SHALL MEET THE REQUIREMENTS OF AASHTO M288-96, SECTION 7.3 SEPARATION REQUIREMENTS.

2. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION EXITS. ALL PERIMETER EROSION CONTROL AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE INITIAL PHASE EROSION CONTROL PLAN.

3. TYPE 'NS' SILT FENCE SHALL BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. THE SILT FENCE SHALL BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6-27.2. THE SILT FENCE SHALL BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL OF RECORD. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHED ½ THE HEIGHT OF THE BARRIER. THE PERIMETER SILT FENCE SHALL BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.

4. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLAN. SEE SEPARATE DETAILS FOR SPECIFICS ON TYPE OF INLET PROTECTION SPECIFIED.

5. STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN.

6. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPE IS INSTALLED. THE TREE PROTECTION FENCING SHALL BE INSPECTED DAILY. ANY FAILURES OF SAID FENCING SHALL BE REPAIRED IMMEDIATELY.

AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT DESIGN PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT ADDITIONAL EROSION CONTROL MEASURE, THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE SITE INSPECTION.

AFTER APPROVAL OF THE INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES. AS CLEARING PERMITS THE CONTRACTOR SHALL CONSTRUCT INLET PROTECTION AS SHOWN ON THE INTERMEDIATE PHASE PLAN TO CONTROL EROSION AND STORM WATER RUN OFF.

THE DESIGN PROFESSIONAL WHO PREPARED THE EROSION CONTROL INSTALLATION PLAN WILL INSPECT THE INSTALLATION OF THE BMPS WITHIN SEVEN DAYS AFTER INITIAL CONSTRUCTION ACTIVITY BEGINS.

INTERMEDIATE PHASE

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE INTERMEDIATE PHASE OF CONSTRUCTION.

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPING OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES AND THEREFORE LIMITED DURATIONS, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED. NOTE SUB PHASES SHOWN ON PLANS.

EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.

TYPE " NS" SILT FENCE SHALL BE INSTALLED AT THE TOE OF ALL FILL SLOPES 10 FEET OR GREATER IN HEIGHT. THE SILT FENCE SHALL BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6.27.1. THE SILT FENCE SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED ON THE SLOPE. SILT FENCE SHALL BE REMOVED WHEN ACCUMULATION REACHES ½ THE HEIGHT OF THE BARRIER. ADDITIONALLY, DIVERSION DIKES SHALL BE CONSTRUCTED ALONG THE TOP OF ALL SAID FILL SLOPES WITH THE USE OF TEMPORARY DOWN DRAINS TO CONTROL STORM WATER RUN OFF AS SHOWN ON THE PLANS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE AS SHOWN IN THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AS THEY ARE RELOCATED, ANY DEFECTIVE MATERIALS IN THE BARRIERS SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE REMOVED.

CUT AND FILL SLOPES ARE NOT TO EXCEED " 3H:1V"

THE CONTRACTOR CAN UTILIZE CLEARED TREES AS BARRIER BRUSH SEDIMENT CONTROL IN AREAS SHOWN ON THE PLAN WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.

NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE OWNER AND/OR THE ENGINEER OF RECORD.

ADDITIONAL SILT BARRIERS MUST BE PLACED AS SHOWN ON THE PLAN AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION AND INLET PROTECTION ARE CONSTRUCTED AS SHOWN ON THE INTERMEDIATE PHASE EROSION CONTROL PLAN.

ALL SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 171- SILT FENCE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS, OF TRANSPORTATION SYSTEMS 2013 EDITION.

ALL ITEMS IN THIS SECTION OF THE SPECIFICATIONS SHALL MEET THE REQUIREMENTS AS SET FORTH IN SECTION 161, 162, 163, AND 165 OF THE GEORGIA D.O.T. STANDARD SPECIFICATION, OF TRANSPORTATION SYSTEMS, 2013 EDITION.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1"-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED AS DIRECTED BY THE ON-SITE INSPECTOR OR THE CIVIL ENGINEER.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

TYPE " NS" SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCK PILE AREAS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED. SEE PLAN VIEW FOR SPECIFIC TYPE AND SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS, AS SHOWN ON THE PLAN. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ALL DRAINAGE SWALES SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

ALL GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

FINAL PHASE

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE FINAL EROSION CONTROL PHASE OF CONSTRUCTION:

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE HALF WAY POINT ON THE RISER.

AFTER CURBING, GRADED AGGREGATE BASE, AND PAVEMENT HAVE BEEN INSTALLED, ALL INLET SEDIMENT TRAPS ON SINGLE AND DOUBLE WING CATCH BASINS ALONG WITH ANY CURB INLETS SHALL BE REMOVED AND REPLACED WITH CURB FILTER PROTECTION. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ALL AREAS ADJACENT TO ROADWAY AND PARKING AREAS SHOULD HAVE A VEGETATIVE COVER APPLIED AS SOON AS FINAL GRADE IS ACHIEVED BEHIND CURBS.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1"-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED AS DIRECTED BY THE ON-SITE INSPECTOR OR THE CIVIL ENGINEER.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

UPON COMPLETION OF THE PROJECT AND RECEIPT OF A CERTIFICATE OF OCCUPANCY OR FINAL ACCEPTANCE OF THE SITE, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM UNLESS NOTED ON PLANS.

PERMIT COVERAGE

THIS PLAN HAS BEEN PREPARED TO MEET THE REQUIREMENTS UNDER THE STATE OF GEORGIA, DEPARTMENT OF NATURAL RESOURCES, ENVIRONMENTAL PROTECTION DIVISION (EDP) FOR AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FOR COMMON DEVELOPMENT.

AUTHORIZED DISCHARGES

1. ALL DISCHARGES OF STORM WATER ASSOCIATED WITH COMMON DEVELOPMENT CONSTRUCTION PROJECTS THAT WILL RESULT IN LAND DISTURBANCE EQUAL TO OR GREATER THAT ONE ACRE. PART I.C.1.

2. ALL DISCHARGES COVERED BY THIS PERMIT SHALL BE COMPOSED ENTIRELY OF STORM WATER EXCEPT AS PROVIDED IN PART I.C.2 AND PART III.A.2 OF THE PERMIT.

3. AUTHORIZED MIXED STORM WATER DISCHARGES: PART I.C.2
   A. THE INDUSTRIAL SOURCE OR ACTIVITY OTHER THAN CONSTRUCTION IS LOCATED ON THE SAME SITE AS THE CONSTRUCTION ACTIVITY AND IS AN INTEGRAL PART OF THE CONSTRUCTION ACTIVITY.

   B. THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES ARE OCCURRING ARE IN COMPLIANCE WITH THE TERMS OF THIS PERMIT.

   C. STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE INDUSTRIAL ACTIVITY OTHER THAN CONSTRUCTION ARE OCCURRING ARE COVERED BY A DIFFERENT NPDES GENERAL PERMIT OR INDIVIDUAL PERMIT AUTHORIZING SUCH DISCHARGES AND THE DISCHARGES ARE IN COMPLIANCE WITH A DIFFERENT NPDES PERMIT.

4. AUTHORIZED NON-STORMWATER DISCHARGES: PART III.A.2
   A. FIRE FIGHTING ACTIVITIES
   B. FIRE HYDRANT FLUSHING
   C. POTABLE WATER SOURCES INCLUDING WATER LINE FLUSHING
   D. IRRIGATION DRAINAGE
   E. AIR CONDITIONING CONDENSATE
   F. SPRINGS
   G. UNCONTAMINATED GROUND WATER
   H. FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS OR POLLUTANTS.

LIMITATIONS ON COVERAGE PART I.C.3

1. THE FOLLOWING STORM WATER DISCHARGES FROM CONSTRUCTION SITES ARE NOT AUTHORIZED BY THIS PERMIT:

   A. STORM WATER DISCHARGES ASSOCIATED WITH AN INDUSTRIAL ACTIVITY THAT ORIGINATE FROM THE SITE AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION.

   B. DISCHARGES THAT ARE MIXED WITH SOURCES OF NON-STORMWATER OTHER THAN DISCHARGES WHICH ARE IDENTIFIED IN PART III.A.2 OF THIS PERMIT AND WHICH ARE IN COMPLIANCE WITH PART IV.D.7 (NON-STORMWATER DISCHARGES) OF THIS PERMIT.

   C. STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY THAT ARE SUBJECT TO AN EXISTING NPDES INDIVIDUAL OR GENERAL PERMIT. SUCH DISCHARGES MAY BE AUTHORIZED UNDER THIS PERMIT AFTER AN EXISTING PERMIT EXPIRES PROVIDED THE EXISTING PERMIT DID NOT ESTABLISH NUMERIC LIMITATIONS FOR SUCH DISCHARGES.

   D. STORMWATER DISCHARGES FROM CONSTRUCTION SITES THAT THE DIRECTOR (EPD) HAS DETERMINED TO BE OR MAY REASONABLY BE EXPECTED TO BE CONTRIBUTING TO A VIOLATION OF A WATER QUALITY STANDARD.

2. WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTING QUANTITY ESTABLISHED UNDER EITHER GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A 12-14-2, ET SEQ.), 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24-HOUR PERIOD, THE PERMITTEE IS REQUIRED TO NOTIFY THE FOLLOWING AGENCIES IN ACCORDANCE WITH THE ABOVE-MENTIONED REGULATIONS AS SOON AS HE HAS KNOWLEDGE OF THE DISCHARGE: EPD AT (404) 656-4863 OR (800) 241-4113, AND THE NATIONAL RESPONSE CENTER (NRC) AT (800) 424-8802. PART III.B.1

3. THIS PERMIT DOES NOT AUTHORIZE THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL RESULTING FROM AN ON-SITE SPILL. PART III.B.2

NO DISCHARGES AUTHORIZED BY THIS PERMIT SHALL CAUSE VIOLATIONS OF GEORGIA'S IN-STREAM WATER QUALITY STANDARDS AS PROVIDED BY THE RULES AND REGULATIONS FOR WATER QUALITY CONTROL, CHAPTER 391-3-6-03. WATER QUALITY COMPLIANCE PART I.C.4

(29) TENTATIVE ACTIVITY SCHEDULE

CONSTRUCTION DATES: JULY 2021 - JAN. 2022	MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5	MONTH 6
CONSTRUCTION EXIT (Co)						
SILT FENCE AND OTHER ES&PC PRACTICES						
RETROFIT (Rt)						
INLET SEDIMENT TRAP (Sd2)						
CLEARING AND GRUBBING						
GRADING / UTILITY						
DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING) (Ds2)						
FINE GRADING AND PAVING						
BUILDING CONSTRUCTION						
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION) (Ds3)						
LANDSCAPE INSTALLATION						
MAINTENANCE OF ES&PC BMP's						

THE ESCAPE OF SEDIMENTS FROM THE SITE SHALL BE PREVENTED BY THE INSTELATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

SAMPLING REQUIREMENTS PART IV.D.6

ALL SAMPLING SHALL BE COLLECTED BY " GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED), THE GUIDANCE DOCUMENT TITLED " NPDES STORMWATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

1. SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.

2. LARGE MOUTH, CLEAN AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATIONS.

3. IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORMWATER OUTFALL CHANNEL(S).

4. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.

5. MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED.

6. IF MANUAL SAMPLING IS EMPLOYED, THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM, THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS, AND CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORMWATER CHANNEL.

7. THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FURTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORMWATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.

8. THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E. THE DISCHARGE FARTHERMOST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.

9. PERMITTEES DO NOT HAVE TO SAMPLE SHEET FLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT.

10. DILUTION OF SAMPLES IS NOT REQUIRED.

11. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER.

12. SAMPLES ARE NOT REQUIRED TO BE COOLED.

13. SAMPLES AND ANALYSIS OF ANY STORMWATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO EPD AS SPECIFIED IN PART IV.E.

14. TURBIDITY RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS " EXCEEDS 1000 NTU."

SAMPLING FREQUENCY PART IV.D.6.D

1. SAMPLING FREQUENCY SHALL OCCUR IN ACCORDANCE WITH PART IV.D.6.D (3) OF THE PERMIT.

2. FOR A QUALIFYING EVENT THE PERMITTEE SHALL SAMPLE AT THE BEGINING OF ANY STORMWATER DISCHARGE RECIEVING WATER AND/OR FROM A MONITORED OUTFALL WITHIN FORTY-FIVE (45) MINUTES OF OR AS SOON AS POSSIBLE:

   A. THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL FOR THE QUALIFYING EVENT, IF THE STORMWATER DISCHARGE TO A MONITORED RECEIVING WATER OR FROM A MONITORED OUTFALL HAS BEGUN PRIOR TO THE ACCUMULATION.

   B. THE BEGINNING OF ANY STORMWATER DISCHARGE TO A MONITORED RECEIVING WATER OR FROM A MONITORED OUTFALL. IF THE DISCHARGE BEGINS AFTER THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL FOR THE QUALIFYING EVENT.

   C. WHERE MANUAL AND AUTOMATIC SAMPLING ARE NOT POSSIBLE (AS DEFINED IN THE PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL. THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORMWATER DISCHARGE.

   D. NORMAL BUSINESS HOURS, AS DEFINED BY THE PERMIT, ARE MONDAY THROUGH FRIDAY, 8:00 AM TO 5:00 PM EXCLUDING ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY & NON-WORKING FEDERAL HOLIDAY.

3. SAMPLING SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL:

   A. FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION;

   B. IN ADDITION TO (A) ABOVE, FOR EACH OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A N.O.T., IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST.

   C. AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPs IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THE AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BPMs ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED.

4. IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN 2 BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED.

5. THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF NO. 3.A AND NO. 3.B BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK."

(15) "NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 5O-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25 FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS."

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Bf	BUFFER ZONE		Bf (LABEL)	Strip of undisturbed original vegetation, enhanced or restored existing vegetation or the reestablishment of vegetation surrounding an area of disturbance or bordering streams.
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)		Cs	Planting vegetation on dunes that are denuded, artificially constructed, or re-nourished.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)		Ds2	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)		Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SODDING)		Ds4	A permanent vegetative cover using sods on highly erodable or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.
Fl-Co	FLOCCULANTS AND COAGULANTS		Fl-Co	Substance formulated to assist in the solids/liquid separation of suspended particles in solution.
Sb	STREAMBANK STABILIZATION (USING PERM VEGETATION)		Sb	The use of readily available native plant materials to maintain and enhance streambanks, or to prevent, or restore and repair small streambank erosion problems.
Ss	SLOPE STABILIZATION		Ss	A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.
Tac	TACKIFIERS AND BINDERS		Tac	Substance used to anchor straw or hay mulch by causing the organic material to bind together.

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd	CHECKDAM			A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.
Ch	CHANNEL STABILIZATION			Improving, constructing or stabilizing an open channel, existing stream, or ditch.
Co	CONSTRUCTION EXIT		Co (LABEL)	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Cr	CONSTRUCTION ROAD STABILIZATION		Cr	A travelway constructed as part of a construction plan including access roads, subdivision roads, parking areas and other on-site vehicle transportation routes.
Dc	STREAM DIVERSION CHANNEL			A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed.
Di	DIVERSION			An earth channel or dike located above, below, or across a slope to divert runoff. This may be a temporary or permanent structure.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE		Dn1 (LABEL)	A flexible conduit of heavy-duty fabric or other material designed to safely conduct surface runoff down a slope. This is temporary and inexpensive.
Dn2	PERMANENT DOWNDRAIN STRUCTURE		Dn2 (LABEL)	A paved chute, pipe, sectional conduit or similar material designed to safely conduct surface runoff down a slope.
Fr	FILTER RING			A temporary stone barrier constructed at storm drain inlets and pond outlets.
Ga	GABION			Rock filter baskets which are hand-placed into position forming soil stabilizing structures.
Gr	GRADE STABILIZATION STRUCTURE		Gr (LABEL)	Permanent structures installed to protect channels or waterways where otherwise the slope would be sufficient for the running water to form gullies.
Lv	LEVEL SPREADER			A storm flow outlet device constructed at zero grade across the slope whereby concentrated runoff may be discharged at a non-erosive velocity onto undisturbed areas stabilized by existing vegetation.
Rd	ROCK FILTER DAM			A temporary stone filter dam installed across drainageways or in conjunction with a temporary sediment trap.
Re	RETAINING WALL		Re (LABEL)	A wall installed to stabilize cut and fill slopes where maximum permissible slopes are not obtainable. Each situation will require special design.
Rt	RETRO FITTING		Rt (LABEL)	A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.
Sd1	SEDIMENT BARRIER		TYPE (INDICATE TYPE)	A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, or a silt fence
Sd2	INLET SEDIMENT TRAP			A temporary protective device formed at or around an inlet to a storm drain to trap sediment.
Sd3	TEMPORARY SEDIMENT BASIN		Spb (LABEL)	A basin created by excavation or a dam across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out.
Sd4	TEMPORARY SEDIMENT TRAP			A small temporary pond that drains a disturbed area so that sediment can settle out. The principle feature distinguishing a temporary sediment trap from a temporary sediment basin is the lack of a pipe or riser.
Sk	FLOATING SURFACE SKIMMER		Sk (LABEL)	A buoyant device that releases/drains water from the surface of sediment ponds, traps, or basins at a controlled rate of flow.
SpB	SEEP BERM		Spb (LABEL)	A linear control device constructed as a diversion perpendicular to the direction of the runoff to enhance dissipation and infiltration of runoff, while creating multiple sedimentation chambers with the employment of intermediate dikes.
Sr	TEMPORARY STREAM CROSSING		Sr (LABEL)	A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.
St	STORMDRAIN OUTLET PROTECTION		St	A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
Su	SURFACE ROUGHENING		Su	A rough soil surface with horizontal depressions on a contour or slopes left in a roughened condition after grading.
Tc	TURBIDITY CURTAIN		Tc	A floating or staked barrier installed within the water (it may also be referred to as a floating boom, silt barrier, or silt curtain).
Tp	TOPSOILING		Tp (SHOW STRIPPING AND STORAGE AREAS)	The practice of stripping off the more fertile soil, storing it, then spreading it over the disturbed area after completion of construction activities.
Tr	TREE PROTECTION		(DENOTE TREE CENTERS)	To protect desirable trees from injury during construction activity.
Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL			Paved or vegetative water outlets for diversions, terraces, berms, dikes or similar structures.

E,S&PC PLAN CHECKLIST NUMBER

NRCS ORIGINAL SUBMITTAL:	07.02.2021

DESIGN PROFESSIONAL'S CREDENTIALS:

ENGINEER'S NAME (PRINTED): NEIL P McKENZIE, PE
GEORGIA PE NUMBER: PE036652
GSWCC LEVEL II CERTIFICATION NUMBER: 44944

811
Know what's below. Call before you dig.

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | CCI-SAV.COM

NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. PE036652 PROFESSIONAL ENGINEER NEIL P. McKENZIE 9/1/21

REVISIONS:

CIVIL CONSTRUCTION PLANS FOR
LMS COTTAGES
LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGMENT, LLC

JOB NUMBER:	20-374.003
DATE:	07/02/2021
DRAWN BY:	MLF
CHECKED BY:	NPM
SCALE:	AS NOTED

NPDES PERMIT NOTES

SHEET: CE5.0

© 2018 COLEMAN COMPANY, INC. DATE PLOTTED: 9/1/2021 10:32 AM BY: Dillon Powell DRAWING PATH: Q:\2020\20-374.003\DWG\Civil\20-374.003_ESPC_06.29.2021.dwg

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

4 TWENTY-FOUR HOUR CONTACT RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL

J. PATRICK HARWELL
1744 OXMOOR ROAD
HOMEWOOD, AL 35209
(205) 933-1227

5 PRIMARY PERMITTEE / DEVELOPER / OWNER

LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC
ATTN: J. PATRICK HARWELL
1744 OXMOOR ROAD
HOMEWOOD, AL 35209
(205) 933-1227
PHARWELL@LMS-REALESTATE.COM

6 THE TOTAL CONSTRUCTION SITE SIZE IS ± 19.45 ACRES
DISTURBED ACREAGE IN THIS PHASE IS ± 19.45 ACRES

7 THE GPS LOCATION OF THE CONSTRUCTION EXIT FOR THE SITE ARE: +32.21090° LATITUDE, -81.20119° LONGITUDE AND +32.20870° LATITUDE, -81.20242° LONGITUDE

9 DESCRIPTION AND NATURE OF THE CONSTRUCTION ACTIVITY

THE SITE, LOCATED IN PORT WENTWORTH, GA, IS CURRENTLY AN UNDEVELOPED, AGRICULTURAL/TIMBER PIECE OF PROPERTY ZONED AS P-R-M. THE DEVELOPER IS PROPOSING TO CONSTRUCT A MULTI-FAMILY RESIDENTIAL COMMUNITY AND ALL THE SUPPORTING INFRASTRUCTURE. THE COMMUNITY WILL CONSIST OF A CLUB HOUSE, POOL, GYM, AND MAIL KIOSK.

49 THE EXISTING SITE HAS THE FOLLOWING

THE SOILS PRESENT ON THE SITE ARE: CAPE FEAR SOILS (Cc); OCILLA COMPLEX (Oj); OGEECHEE LOAMY FINE SAND (Ok); POOLER FINE SANDY LOAM (Pn)

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

NEIL P McKINZIE, PE - DESIGN PROFESSIONAL - GSWCC LEVEL II CERTIFICATION NUMBER: 44944

12 I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION.

NEIL P McKINZIE, PE - DESIGN PROFESSIONAL - GSWCC LEVEL II CERTIFICATION NUMBER: 44944

13 I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001.

NEIL P McKINZIE, PE - DESIGN PROFESSIONAL - GSWCC LEVEL II CERTIFICATION NUMBER: 44944

14 FOR COMMON DEVELOPMENT PROJECTS THAT BEGIN CONSTRUCTION ACTIVITY AFTER THE EFFECTIVE DATE OF THIS PERMIT, THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, EXCEPT WHEN THE PRIMARY PERMITTEE HAS REQUESTED IN WRITING AND EPD HAS AGREED TO AN ALTERNATE DESIGN PROFESSIONAL, TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS WHICH THE DESIGN PROFESSIONAL DESIGNED WITHIN SEVEN (7) DAYS AFTER INSTALLATION. THE DESIGN PROFESSIONAL SHALL DETERMINE IF THESE BMPS HAVE BEEN INSTALLED AND ARE BEING MAINTAINED AS DESIGNED. THE DESIGN PROFESSIONAL SHALL REPORT THE RESULTS OF THE INSPECTION TO THE PRIMARY PERMITTEE WITHIN SEVEN (7) DAYS AND THE PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT FROM THE DESIGN PROFESSIONAL UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED. "THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS WITHIN 7 DAYS AFTER INSTALLATION"

DESIGN PROFESSIONAL 7-DAY VISIT CERTIFICATION

I CERTIFY THE SITE WAS IN COMPLIANCE WITH THE ES&PC PLAN ON THE DATE OF INSPECTION.

NEIL P. McKENZIE, PE - DESIGN PROFESSIONAL - GSWCC LEVEL II CERTIFICATION NUMBER: 44944

INSPECTION REVEALED THE FOLLOWING DISCREPANCIES FROM THE ES&PC PLAN:

____
____
____
____

THESE DEFICIENCIES MUST BE ADDRESSED IMMEDIATELY AND A RE-INSPECTION SCHEDULED. WORK SHALL NOT PROCEED ON THE SITE UNTIL DESIGN PROFESSIONAL CERTIFICATION IS OBTAINED.

27 **PRODUCT SPECIFIC PRACTICES**

-CONTRACTOR SHALL MAINTAIN WEATHER-PROOF COVER SUCH AS: PLASTIC SHEETING OR TEMPORARY ROOFS FOR ALL BUILDING MATERIALS AND PRODUCTS STORED ON SITE.

-PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS SHALL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS SHALL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORM WATER INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS SHALL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

-PAINTS/FINISHES/SOLVENTS - ALL PRODUCTS SHALL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT SHALL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS SHALL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

-CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS SHALL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE.

-FERTILIZER/HERBICIDES - THESE PRODUCTS SHALL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS SHALL BE UNDER ROOF IN SEALED CONTAINERS.

BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS SHALL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL SHALL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

25 **SPILL CLEANUP AND CONTROL PRACTICES**

- LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED AND PROCEDURES SHALL BE MADE AVAILABLE TO SITE PERSONNEL.
- MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
- SPILL PREVENTION PRACTICES AND PROCEDURES SHALL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
- ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS SHALL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.
- FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) SHALL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.
- FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) SHALL BE CONTACTED WITH IN 24 HOURS AT 1-800-424-8802.
- FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE EPD SHALL BE CONTACTED WITHIN 24 HOURS AT (800) 241-4113 OR (404) 656-4863
- FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL SHALL BE CLEANED UP AND LOCAL AGENCIES SHALL BE CONTACTED AS REQUIRED.

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM ARE STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR SHALL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

15 "NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 5O-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25 FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS."

17 "AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE SIGNIFICANT EFFECT ON BMPS WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL."

18 "WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT."

19 " THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND-DISTURBING ACTIVITIES."

21 " ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING."

24 WASH DOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS, AND THE REAR OF THE VEHICLES SHALL BE ALLOWED AT THE CONCRETE WASHOUT AREA, TO BE DESIGNATED IN THE FIELD BY THE CONTRACTOR. WASHOUT OF THE CONCRETE MIXER'S DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.

34 APPENDIX B

NEPHELOMETRIC TURBIDITY UNIT (NTU) TABLES - WARM WATER (SUPPORTING WARM WATER FISHERIES)

STATE OF GEORGIA, DEPARTMENT OF NATURAL RESOURCES, ENVIRONMENTAL PROTECTION DIVISION, PAGE 46 OF 46, PERMIT NO.GAR100001

SITE SIZE (ACRES)	SURFACE WATER DRAINAGE AREA (SQUARE MILES) 0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	75	150	200	400	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
25.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	300	600
100.01+	50	50	50	50	50	100	200	100

REFER TO GA DEPARTMENT OF NATURAL RESOURCES ENVIRONMENTAL PROTECTION DIVISION GENERAL PERMIT NO. GAR100001 FOR STAND ALONE FOR DEFINITIONS AND DETAILS.

20 " EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE."

26 **PRACTICES THAT WILL BE USED TO REDUCE THE POLLUTANTS IN STORM WATER DISCHARGES**

1. PERMANENT SEEDING: THE SITE SHALL BE STABILIZED UTILIZING PERMANENT SEEDING TO PRE-TREAT THE STORMWATER RUNOFF PRIOR TO ENTERING THE DOWNSTREAM CONVEYANCE BY REMOVING SEDIMENT AS WELL AS ANY ATTACHED CHEMICALS FROM RUNOFF. PERMANENT SEEDING ALSO PREVENTS EROSION, REDUCES THE VOLUME AND VELOCITY OF THE RUNOFF AND IMPROVES WATER QUALITY.
2. TEMPORARY DIVERSION DITCHES WILL ACT AS NATURAL BIOFILTERS TO REDUCE STORM WATER VELOCITY AND POLLUTANT LOAD PRIOR TO RELEASE OF THE RUNOFF INTO THE DOWNSTREAM CONVEYANCE. THIS IS ACCOMPLISHED VIA INFILTRATION AND SETTLEMENT.
3. WET POND: THE PERMANENT POOL OF THE WET POND ENHANCES PARTICULATE SETTLING BY INCREASING RESIDENCE TIME AND WILL EFFECTIVELY HAVE AN 80% TSS REMOVAL RATE, BY ALLOWING SETTLEMENT OF THE SEDIMENT AND OTHER POLLUTANTS THAT ARE TRANSFERRED TO THE POND VIA OTHER CONVEYANCES, THUS ELIMINATING THE RELEASE INTO AND IMPROVING THE WATER QUALITY OF THE DOWNSTREAM CONVEYANCE. WET PONDS ALSO SIGNIFICANTLY REDUCE THE VOLUME AND THE VELOCITY OF THE RUNOFF CONTRIBUTING TO THE DOWNSTREAM CONVEYANCE.

28 MEASURES THAT SHALL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER THAT SHALL REMAIN IN PLACE AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED: RIP-RAP OUTFALL APRON (ST) AND PERMANENT VEGETATIVE STABILIZATION (DS3).

THE SITE SHALL UTILIZE A SERIES OF PRACTICAL BMP'S. DIVERSION DITCHES SHALL BE USED TO CONVEY THE STORM WATER TO THE EXISTING WET DETENTION POND. THE POND IS A CONSTRUCTED BASIN THAT CONTAINS A PERMANENT POOL OF WATER AND TREATS POLLUTED STORM WATER RUNOFF VIA SETTLEMENT. THE WET DETENTION POND DETAINS THE STORM WATER RUNOFF LONG ENOUGH FOR CONTAMINATED SEDIMENTS TO SETTLE AND REMAIN IN THE POND, AS IT EVENTUALLY OUTFALLS THROUGH A SLOTTED BOARD RETROFIT. THIS SETTLEMENT PROCESS REMOVES PARTICULATES, ORGANIC MATTER, AND METALS FROM THE WATER WHILE NUTRIENTS ARE REMOVED THROUGH BIOLOGICAL UPTAKE. THE WET DETENTION POND SHALL OUTLET THE STORM WATER RUNOFF AT A SIGNIFICANTLY REDUCED RATE.

30 **INSPECTIONS REQUIREMENTS BY THE PERMITTEE:**

A. PRIMARY PERMITTEE REQUIREMENTS.

(1). EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT AND (B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

(2). MEASURE AND RECORD RAINFALL WITHIN DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABILIZATION ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY. THE DATA COLLECTED FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.

(3). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST): (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE; (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; AND (C) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(4). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

(4). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION HAS BEEN SUBMITTED) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).

(5). BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. THE PRIMARY PERMITTEE MUST AMEND THE PLAN IN ACCORDANCE WITH PART IV.D.4.B. (5) WHEN A SECONDARY PERMITTEE NOTIFIES THE PRIMARY PERMITTE OF ANY PLAN DEFICIENCIES.

(6). A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E., INITIAL, INTERMEDIATE OR FINAL) , MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(5) . OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION SITE THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS, THE INSPECTION REPORT SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2 OF THIS PERMIT.

COMPANY: PHONE:
ADDRESS: FAX:
ADDRESS:
GSWCC LEVEL 1A CERT #: SIGNATURE:____________________

45 FOR ESTIMATED PEAK DISCHARGE OR RUNOFF CURVE NUMBER FOR PRE AND POST CONDITIONS REFER TO HYDROLOGY REPORT

11 THE INITIAL RECEIVING WATER FOR THIS PROJECT IS A SYSTEM OF ENGINEERED DETENTION PONDS THAT DISCHARGE INTO THE WETLANDS. THE FINAL RECEIVING WATER WILL BE BLACK CREEK THAT WILL ULTIMATELY DISCHARGE INTO THE SAVANNAH RIVER.

23 IF A TMDL IMPLEMENTATION PLAN FOR SEDIMENT HAS BEEN FINALIZED FOR THE IMPAIRED STREAM SEGMENT (IDENTIFIED IN ITEM 22 ABOVE) AT LEAST SIX MONTHS PRIOR TO SUBMITTAL OF NOI, THE ES&PC PLAN MUST ADDRESS ANY SITE-SPECIFIC CONDITIONS OR REQUIREMENTS INCLUDED IN THE TMDL IMPLEMENTATION PLAN.

31 REPORTING.

1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.C. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORM WATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G.2. SAMPLING REPORTS MUST BE SUBMITTED TO EPD USING THE ELECTRONIC SUBMITTAL SERVICE PROVIDED BY THE EPD. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.
2. ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:
   a. THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS;
   b. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS;
   c. THE DATE(S) ANALYSES WERE PERFORMED;
   d. THE TIME(S) ANALYSES WERE INITIATED ;
   e. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES;
   f. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED;
   g. THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS;
   h. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU;" AND
   i. CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN.
3. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE APPLICABLE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

33 SAMPLE ANALYSIS

STORM WATER SAMPLES ARE TO BE ANALYZED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY EPD. STORM WATER SHALL BE SAMPLED FOR NEPHLOMETRIC TURBIDITY UNITS (NTU) AT THE OUTFALL LOCATION. WHEN THE PERMITTEE HAS ELECTED TO SAMPLE OUTFALL(S), THE DISCHARGE OF STORMWATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED, AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDITION RESULTS IN THE TURBIDITY OF THE DISCHARGE EXCEEDING 50, THE VALUE SELECTED FROM APPENDIX B IN PERMIT NO. PERMIT#GAR10001. THE NTU IS BASED UPON THE DISTURBED ACREAGE OF ±19.45AC FOR THE CONSTRUCTION SITE, THE SURFACE WATER DRAINAGE AREA OF 0-4.99 SQUARE MILES, AND RECEIVING WATER WHICH SUPPORTS WARM WATER FISHERIES.

22 ANY CONSTRUCTION ACTIVITY WHICH DISCHARGES STORM WATER INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF AN BIOTA IMPAIRED STREAM SEGMENT MUST COMPLY WITH PART III. C. OF THE PERMIT. (INCLUDE THE COMPLETED APPENDIX 1 LISTING ALL THE BMPS THAT WILL BE USED FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO THE IMPAIRED STREAM SEGMENT.)

ADDITIONAL SITE/EROSION CONTROL NOTES:

A. ZONING: THE PRESENT ZONING CLASSIFICATION FOR THIS SITE IS P-R-M. PIN(S): 7-0975-01-025
B. BUFFER REQUIREMENTS: AS REQUIRED BY ARTICLES 15 OF SECTION 12-7-6 OF THE "GEORGIA EROSION AND SEDIMENTATION ACT OF 1975", THERE IS ESTABLISHED A 25 FOOT BUFFER ALONG THE BANKS OF ALL STATE WATERS, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION, EXCEPT WHERE THE DIRECTOR DETERMINES TO ALLOW A VARIANCE THAT IS AT LEAST AS PROTECTIVE OF THE NATURAL RESOURCES AND THE ENVIRONMENT, WHERE OTHERWISE ALLOWED BY THE DIRECTOR PURSUANT TO OCGA 12-2-8, OR WHERE A DRAINAGE STRUCTURE OR ROADWAY DRAINAGE STRUCTURE MUST BE CONSTRUCTED, PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED IN THE PROJECT PLANS AND SPECIFICATIONS AND ARE IMPLEMENTED. "NO BUFFERS ARE REQUIRED FOR THIS PROJECT."
C. EROSION CONTROL PROGRAM: CLEARING SHALL BE KEPT TO AN ABSOLUTE MINIMUM. VEGETATION AND MULCH SHALL BE APPLIED TO APPLICABLE AREAS IMMEDIATELY AFTER GRADING IS COMPLETED. GRAVEL SHALL BE APPLIED TO PARKING AREAS AND ROADWAYS AS SOON AS GRADING IS COMPLETED. LAND SHALL BE SCHEDULED TO LIMIT EXPOSURE OF BARE SOILS TO EROSION ELEMENTS. STORM WATER MANAGEMENT STRUCTURES SHALL BE EMPLOYED TO PREVENT EROSION IN AREAS OF CONCENTRATED WATER FLOWS. EROSION AT THE EXITS OF ALL STORM WATER STRUCTURES SHALL BE PREVENTED BY THE INSTILLATION OF STORM DRAIN OUTLET PROTECTION DEVICES.
D. STANDARDS AND SPECIFICATIONS: ALL DESIGNS SHALL CONFORM TO AND ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE PUBLICATION ENTITLED, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
E. SAFETY PROTECTION: CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE LAWS, RULES AND REGULATIONS.
F. MAINTENANCE PROGRAM: SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED DAILY. ANY DAMAGES OBSERVED SHALL BE REPAIRED BY THE END OF THAT DAY. CLEANOUT OF SEDIMENT CONTROL STRUCTURES SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE SPECIFICATIONS AND SEDIMENT DISPOSAL ACCOMPLISHED BY SPREADING ON THE SITE. BARRIERS SHALL REMAIN IN PLACE UNTIL SEDIMENT CONTRIBUTING AREAS ARE STABILIZED. THE SEDIMENT FENCES, AND THE BARRIERS SHALL THEN BE REMOVED AND THE AREAS OCCUPIED BY THESE DEVICES SHALL THEN BE VEGETATED. GUIDELINES FOR THE MAINTENANCE OF ESTABLISHED VEGETATION SHALL BE PROVIDED TO THE OWNER WHEN ALL DISTURBED AREAS ARE STABILIZED.
G. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
H. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE OWNER.
I. BASED ON MY OBSERVATION THIS PROPERTY IS LOCATED IN ZONE ZONE AE (B.F.E: 13'), ZONE X (SHADED), ZONE X, IS A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP NUMBER 13051C0030G DATED 08/16/2018.
J. THERE ARE STATE WATERS LOCATED ON OR WITHIN 200' OF THIS SITE.
K. THE POINT OF CONTACT FOR CIVIL SITE WORK FOR THIS PROJECT IS:

NEIL P. MCKENZIE, P.E.
COLEMAN COMPANY
1480 CHATHAM PARKWAY, SUITE 100
SAVANNAH, GA 31405
(912) 200-3041

32 RETENTION OF RECORDS

1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:
   a. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
   b. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;
   c. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT;
   d. A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
   e. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT;
   f. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT; AND
   g. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(2). OF THIS PERMIT.

2. EACH SECONDARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:
   a. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
   b. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT OR THE APPLICABLE PORTION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN FOR THEIR ACTIVITIES AT THE CONSTRUCTION SITE REQUIRED BY THIS PERMIT;
   c. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.b. OF THIS PERMIT; AND
   d. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT.

3. EACH TERTIARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:
   a. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
   b. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;
   c. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT;
   d. A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
   e. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.C. OF THIS PERMIT;
   f. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT; AND
   g. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.C.(2). OF THIS PERMIT.

4. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION , INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION) OR OTHER REPORTS REQUESTED BY THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI. OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

33 **SAMPLING FREQUENCY AND REPORTING OF SAMPLING RESULTS REQUIREMENTS:**

SAMPLING REQUIREMENTS

THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THIS PARAGRAPH SHALL NOT APPLY TO ANY LAND DISTURBANCE ASSOCIATED WITH THE CONSTRUCTION OF SINGLE-FAMILY HOMES WHICH ARE NOT PART OF A SUBDIVISION OR PLANNED COMMON DEVELOPMENT UNLESS FINE (5) ACRES OR MORE WILL BE DISTURBED. THE FOLLOWING PROCEDURES CONSTITUTE EPD'S GUIDELINES FOR SAMPLING TURBIDITY.

a. SAMPLING REQUIREMENTS SHALL INCLUDE THE FOLLOWING:

(1)A USGS TOPOGRAPHIC MAP, A TOPOGRAPHIC MAP OR A DRAWING (REFERRED TO AS A TOPOGRAPHIC MAP) THAT IS A SCALE EQUAL TO OR MORE DETAILED THAN A 1:24000 MAP SHOWING THE LOCATION OF THE SITE OR THE STAND ALONE DEVELOPMENT; (A) THE LOCATION OF ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES AS SHOWN ON A USGS TOPOGRAPHIC MAP, AND ALL OTHER PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES LOCATED DURING MANDATORY FIELD VERIFICATION, INTO WHICH THE STORM WATER IS DISCHARGED AND (B) THE RECEIVING WATER AND/OR OUTFALL SAMPLING LOCATIONS. WHEN THE PERMITTEE HAS CHOSEN TO USE A USGS TOPOGRAPHIC MAP AND THE RECEIVING WATER(S) IS NOT SHOWN ON THE USGS TOPOGRAPHIC MAP, THE LOCATION OF THE RECEIVING WATER(S) MUST BE HAND-DRAWN ON THE USGS TOPOGRAPHIC MAP FROM WHERE THE STORM WATER(S) ENTERS THE RECEIVING WATER(S) TO THE POINT WHERE THE RECEIVING WATER(S) COMBINES WITH THE FIRST BLUE LINE STREAM SHOWN ON THE USGS TOPOGRAPHIC MAP;

(2). A WRITTEN NARRATIVE OF SITE SPECIFIC ANALYTICAL METHODS USED TO COLLECT, HANDLE AND ANALYZE THE SAMPLES INCLUDING QUALITY CONTROL/QUALITY ASSURANCE PROCEDURES . THIS NARRATIVE MUST INCLUDE PRECISE SAMPLING METHODOLOGY FOR EACH SAMPLING LOCATION;

(3). WHEN THE PERMITTEE HAS DETERMINED THAT SOME OR ALL OUTFALLS WILL BE SAMPLED, A RATIONALE MUST BE INCLUDED ON THE PLAN FOR THE NTU LIMIT(S) SELECTED FROM APPENDIX B. THIS RATIONALE MUST INCLUDE THE SIZE OF THE CONSTRUCTION SITE, THE CALCULATION OF THE SIZE OF THE SURFACE WATER DRAINAGE AREA, AND THE TYPE OF RECEIVING WATER(S) (I.E., TROUT STREAM OR SUPPORTING WARM WATER FISHERIES) ; AND

(4). ANY ADDITIONAL INFORMATION EPD DETERMINES NECESSARY TO BE PART OF THE PLAN. EPD WILL PROVIDE WRITTEN NOTICE TO THE PERMITTEE OF THE INFORMATION NECESSARY AND THE TIME LINE FOR SUBMITTAL.

b. SAMPLE TYPE:

(1). ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

(2). SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.

(3). SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.

(4). LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES . THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.

(5). MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. IF AUTOMATIC SAMPLING IS UTILIZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVATED DURING THE QUALIFYING EVENT, THE PERMITTEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURING THE NEXT QUALIFYING EVENT. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.

(6). SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E.

c. SAMPLING POINTS.

(1). FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S), AND OUTFALL(S). SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORM WATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES:

(A). THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.

(B). THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.

(C). IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNEL(S).

(D). CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL.

(E). THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.

(F). THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.

(G). PERMITTEES DO NOT HAVE TO SAMPLE SHEETFLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR LANDSCAPED ACCORDING TO THE PLAN (UNIFORMLY COVERED WITH LANDSCAPING MATERIALS IN PLANNED LANDSCAPED AREAS), OR EQUIVALENT PERMANENT STABILIZATION MEASURES AS DEFINED IN THE MANUAL (EXCLUDING A CROP ·OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION).

(H). ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORM WATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3. OR III.D.4.., WHICHEVER IS APPLICABLE.

*NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.

DESIGN PROFESSIONAL'S CREDENTIALS:

ENGINEER'S NAME (PRINTED): NEIL P McKENZIE, PE
GEORGIA PE NUMBER: PE036652
GSWCC LEVEL II CERTIFICATION NUMBER: 44944

NRCS ORIGINAL SUBMITTAL: 07.02.2021

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | CCI-SAV.COM

NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. PE036652 PROFESSIONAL ENGINEER NEIL P. McKENZIE 9/1/21

REVISIONS:

CIVIL CONSTRUCTION PLANS FOR
LMS COTTAGES
LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGMENT, LLC

JOB NUMBER: 20-374.003
DATE: 07/02/2021
DRAWN BY: MLF
CHECKED BY: NPM
SCALE: AS NOTED

NPDES PERMIT NOTES

SHEET:
CE5.1

© 2018 COLEMAN COMPANY, INC. DATE PLOTTED: 9/1/2021 10:32 AM BY: Dillon Powell DRAWING PATH: Q:\2020\20-374.003\DWG\Civil\20-374.003_ESPC_06.29.2021.dwg

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

Lighting Layout Not Valid Without Executed Lighting Agreement From Georgia Power

Plan View
Scale - 1" = 60ft

Schedule									
Symbol	Label	QTY	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage
	A	35	ARCH-S-PA1-90-740-U-T3	ARCHEON ROADWAY AND AREA LUMINAIRE (1) 70 CRI, 4000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS		24	486	0.912	94
	B	8	ARCH-S-PA1-90-740-U-5WQ	ARCHEON ROADWAY AND AREA LUMINAIRE (1) 70 CRI, 4000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS		24	497	0.912	94

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #1	+	1.1 fc	1.8 fc	0.5 fc	3.6:1	2.2:1
Saussy Rd	+	1.1 fc	1.6 fc	0.7 fc	2.3:1	1.6:1

Notes
1. Readings are shown in units of maintained footcandles.
2. Total Light Loss Factor (LLF) = .912 LLF for LED
3. Test Plane = 0' Above grade
4. Fixture Mounting Height = 30' Above grade
5. Fixture Spacing = See Plan view.
6. This photometric layout was calculated using specific criteria. Any deviation from stated parameters will affect actual performance.
7. These lighting calculations are not a substitute for independent engineering analysis of lighting system suitability and safety.

Disclaimer
This lighting design is not a professional engineering drawing and is provided for informational purposes only, without warranty as to accuracy, completeness, reliability or otherwise. Frazier Photometrics is not responsible for specifying the lighting or illumination requirements for any specific project. It is the obligation of the end-user to consult with a professional engineering advisor to determine whether this lighting design meets the applicable project requirements for lighting system performance, safety, suitability and effectiveness for use in a particular application. End-user environment and application (including, but not limited to, voltage variation and dirt accumulation) can cause actual field performance to differ from the calculated photometric performance represented in this lighting design. In no event will Frazier Photometrics be held responsible for any loss resulting from any use of this lighting design.

SouthCon

Saussy Farms in Port Wentworth

Designer	KF
Date	7/13/2021
Scale	As Shown
Drawing No.	7/13/2021
Summary	

1 of 1

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Site Plan 9.1.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, SAVANNAH DISTRICT
100 W. OGLETHORPE AVENUE
SAVANNAH, GEORGIA 31401-3604

January 22, 2021

Regulatory Division
SAS-2016-00807

Mr. Gary Wiggin
660 East 39th Street
Savannah, Georgia 31401

Dear Mr. Wiggin:

I refer to a letter dated August 31, 2020, submitted on your behalf by Resource and Land Consultants, requesting an Aquatic Resources Delineation Review (ARDR) and Jurisdictional Determination (JD)] for a 55.8-acre site located northwest of the Saussy Road/Highway 21 intersection and is bisected by Jeffers Road in the city of Port Wentworth, Chatham County, Georgia (Latitude 32.2136, Longitude -81.2047). This project has been assigned number SAS-2016-00807 and it is important that you refer to this number in all communication concerning this matter.

We have completed an ARDR and approved JD for this site. Any wetlands on-site were delineated in accordance with criteria contained in the 1987 "Corps of Engineers Wetland Delineation Manual," as amended by the most recent regional supplements to the manual. I have enclosed an "Approved JD Form," which details whether aquatic resources present on the site are subject to the jurisdiction of the U.S. Army Corps of Engineers and how the Corps determined jurisdiction.

The approved JD review area is depicted as bold red polygons on the enclosed exhibit entitled "Wetland Exhibit" and dated August 31, 2020. The wetlands depicted as red polygons with red crosshatching and labeled as "Non-Adjacent Wetlands" on the aforementioned exhibit are not waters of the United States and are therefore not within the jurisdiction of Section 404 of the Clean Water Act (33 United States Code § 1344). The placement of dredged or fill material into non-jurisdictional waters would not require prior Department of the Army authorization pursuant to Section 404. The above referenced exhibit also identifies the delineation limits of all other aquatic resources within the bold blue polygon that is labeled as the "ARDR Project Area."

This approved JD will remain valid for a period of 5-years unless new information warrants revision prior to that date. You may request an administrative appeal for any approved JD under the Corps regulations at 33 Code of Federal Regulations (CFR) Part 331. Enclosed you will find a Notification of Administrative Appeal Options and Process and Request for Appeal form.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - USACOE AJD Letter 1.22.21 (2511 : Site Plan Review

The delineation included herein has been conducted to identify the location and extent of the aquatic resource boundaries and/or the jurisdictional status of aquatic resources for purposes of the Clean Water Act for the particular site identified in this request. This delineation and/or jurisdictional determination may not be valid for the Wetland Conservation Provisions of the Food Security Act of 1985, as amended. If you or your tenant are USDA program participants, or anticipate participation in USDA programs, you should discuss the applicability of a certified wetland determination with the local USDA service center, prior to starting work.

If you intend to sell property that is part of a project that requires Department of the Army Authorization, it may be subject to the Interstate Land Sales Full Disclosure Act. The Property Report required by Housing and Urban Development Regulation must state whether, or not a permit for the development has been applied for, issued or denied by the U.S. Army Corps of Engineers (Part 320.3(h) of Title 33 of the CFR).

This communication does not convey any property rights, either in real estate or material, or any exclusive privileges. It does not authorize any injury to property, invasion of rights, or any infringement of federal, state or local laws, or regulations. It does not obviate your requirement to obtain state or local assent required by law for the development of this property. If the information you have submitted, and on which the U.S. Army Corps of Engineers has based its determination is later found to be in error, this decision may be revoked.

Thank you in advance for completing our on-line Customer Survey Form located at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey. We value your comments and appreciate your taking the time to complete a survey each time you have interaction with our office.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - USACOE AJD Letter 1.22.21 (2511 : Site Plan Review

If you have any questions, please contact Mr. Ross Sullivan, Project Manager, Coastal Branch, via telephone at 912-652-5618 or email at roscoe.l.sullivan@usace.army.mil.

Sincerely,

RUTLIN.WILLIAM.M.1390465064

Digitally signed by RUTLIN.WILLIAM.M.1390465064
Date: 2021.01.22 09:08:25 -05'00'

William M. Rutlin
Chief, Coastal Branch

Copy Furnished: Mr. Brett Searing, Resource and Land Consultants

Enclosures

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - USACOE AJD Letter 1.22.21 (2511 : Site Plan Review

U.S. ARMY CORPS OF ENGINEERS
REGULATORY PROGRAM
APPROVED JURISDICTIONAL DETERMINATION FORM (INTERIM)
NAVIGABLE WATERS PROTECTION RULE

I. ADMINISTRATIVE INFORMATION

Completion Date of Approved Jurisdictional Determination (AJD): 1/22/2021
ORM Number: SAS-2016-00807
Associated JDs: SAS-2016-00807 (Preliminary JD issued on 9/16/2016)
Review Area Location[1]: State/Territory: GA City: Port Wentworth County/Parish/Borough: Chatham
Center Coordinates of Review Area: Latitude 32.210887 Longitude -81.201224

II. FINDINGS

A. Summary: Check all that apply. At least one box from the following list MUST be selected. Complete the corresponding sections/tables and summarize data sources.

- ☐ The review area is comprised entirely of dry land (i.e., there are no waters or water features, including wetlands, of any kind in the entire review area). Rationale: N/A or describe rationale.
- ☐ There are "navigable waters of the United States" within Rivers and Harbors Act jurisdiction within the review area (complete table in Section II.B).
- ☐ There are "waters of the United States" within Clean Water Act jurisdiction within the review area (complete appropriate tables in Section II.C).
- ☒ There are waters or water features excluded from Clean Water Act jurisdiction within the review area (complete table in Section II.D).

B. Rivers and Harbors Act of 1899 Section 10 (§ 10)[2]

§ 10 Name	§ 10 Size		§ 10 Criteria	Rationale for § 10 Determination
N/A.	N/A.	N/A	N/A.	N/A.

C. Clean Water Act Section 404

Territorial Seas and Traditional Navigable Waters ((a)(1) waters):[3]				
(a)(1) Name	(a)(1) Size		(a)(1) Criteria	Rationale for (a)(1) Determination
N/A.	N/A.	N/A.	N/A.	N/A.

Tributaries ((a)(2) waters):				
(a)(2) Name	(a)(2) Size		(a)(2) Criteria	Rationale for (a)(2) Determination
N/A.	N/A.	N/A.	N/A.	N/A.

Lakes and ponds, and impoundments of jurisdictional waters ((a)(3) waters):				
(a)(3) Name	(a)(3) Size		(a)(3) Criteria	Rationale for (a)(3) Determination
N/A.	N/A.	N/A.	N/A.	N/A.

Adjacent wetlands ((a)(4) waters):				
(a)(4) Name	(a)(4) Size		(a)(4) Criteria	Rationale for (a)(4) Determination
N/A.	N/A.	N/A.	N/A.	N/A.

[1] Map(s)/figure(s) are attached to the AJD provided to the requestor.
[2] If the navigable water is not subject to the ebb and flow of the tide or included on the District's list of Rivers and Harbors Act Section 10 navigable waters list, do NOT use this document to make the determination. The District must continue to follow the procedure outlined in 33 CFR part 329.14 to make a Rivers and Harbors Act Section 10 navigability determination.
[3] A stand-alone TNW determination is completed independently of a request for an AJD. A stand-alone TNW determination is conducted for a specific segment of river or stream or other type of waterbody, such as a lake, where upstream or downstream limits or lake borders are established. A stand-alone TNW determination should be completed following applicable guidance and should NOT be documented on the AJD Form.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - USACOE AJD Letter 1.22.21 (2511 : Site Plan Review

U.S. ARMY CORPS OF ENGINEERS
REGULATORY PROGRAM
APPROVED JURISDICTIONAL DETERMINATION FORM (INTERIM)
NAVIGABLE WATERS PROTECTION RULE

D. Excluded Waters or Features

Excluded waters ((b)(1) – (b)(12)):[4]				
Exclusion Name	Exclusion Size		Exclusion[5]	Rationale for Exclusion Determination
Wetland E	1.318	acre(s)	(b)(1) Non-adjacent wetland.	Wetland E is not adjacent to any (a)(1)-(a)(3) waters as defined by the NWPR. This wetland does not abut any (a)(1)-(a)(3) waters, is not inundated by any (a)(1)-(a)(3) waters, is physically separated from all (a)(1)-(a)(3) waters and does not have a directed hydrologic surface connection to any (a)(1)-(a)(3) waters in a typical year.
Wetland I	0.344	acre(s)	(b)(1) Non-adjacent wetland.	Wetland I is not adjacent to any (a)(1)-(a)(3) waters as defined by the NWPR. This wetland does not abut any (a)(1)-(a)(3) waters, is not inundated by any (a)(1)-(a)(3) waters, is physically separated from all (a)(1)-(a)(3) waters and does not have a directed hydrologic surface connection to any (a)(1)-(a)(3) waters in a typical year.
Wetland J	1.067	acre(s)	(b)(1) Non-adjacent wetland.	Wetland J is not adjacent to any (a)(1)-(a)(3) waters as defined by the NWPR. This wetland does not abut any (a)(1)-(a)(3) waters, is not inundated by any (a)(1)-(a)(3) waters, is physically separated from all (a)(1)-(a)(3) waters and does not have a directed hydrologic surface connection to any (a)(1)-(a)(3) waters in a typical year.
Wetland K	0.416	acre(s)	(b)(1) Non-adjacent wetland.	Wetland K is not adjacent to any (a)(1)-(a)(3) waters as defined by the NWPR. This wetland does not abut any (a)(1)-(a)(3) waters, is not inundated by any (a)(1)-(a)(3) waters, is physically separated from all (a)(1)-(a)(3) waters and does not have a directed hydrologic surface connection to any (a)(1)-(a)(3) waters in a typical year.

III. SUPPORTING INFORMATION

A. Select/enter all resources that were used to aid in this determination and attach data/maps to this document and/or references/citations in the administrative record, as appropriate.

☒ Information submitted by, or on behalf of, the applicant/consultant: AJD Request, 8//2020
This information is sufficient for purposes of this AJD.
Rationale: N/A

☐ Data sheets prepared by the Corps: Title(s) and/or date(s).

☒ Photographs: Aerial: Figures 5 and 6

[4] Some excluded waters, such as (b)(2) and (b)(4), may not be specifically identified on the AJD form unless a requestor specifically asks a Corps district to do so. Corps districts may, in case-by-case instances, choose to identify some or all of these waters within the review area.
[5] Because of the broad nature of the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion, four sub-categories of (b)(1) exclusions were administratively created for the purposes of the AJD Form. These four sub-categories are not new exclusions, but are simply administrative distinctions and remain (b)(1) exclusions as defined by the NWPR.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - USACOE AJD Letter 1.22.21 (2511 : Site Plan Review

U.S. ARMY CORPS OF ENGINEERS
REGULATORY PROGRAM
APPROVED JURISDICTIONAL DETERMINATION FORM (INTERIM)
NAVIGABLE WATERS PROTECTION RULE

- ☐ Corps site visit(s) conducted on: Date(s).
- ☒ Previous Jurisdictional Determinations (AJDs or PJDs): SAS-2016-00807 (PJD)
- ☒ Antecedent Precipitation Tool: *provide detailed discussion in Section III.B*.
- ☒ USDA NRCS Soil Survey: NRCS Soil Map, 15APR2015
- ☒ USFWS NWI maps: NWI Map, 15APR2015
- ☒ USGS topographic maps: Meldrim SE, GA Quad, 15APR2015

Other data sources used to aid in this determination:

Data Source (select)	Name and/or date and other relevant information
USGS Sources	N/A.
USDA Sources	N/A.
NOAA Sources	2010 NOAA Topographical Lidar
USACE Sources	N/A.
State/Local/Tribal Sources	N/A.
Other Sources	N/A.

B. Typical year assessment(s): The wetland jurisdictional status assessment was conducted on 10 August 2020. Using the Antecedent PrecipitationTool Version 1.0, which used rainfall data from the Savannah International Airport weather station, we have determined that normal conditions (product of 12) were present during the time of the assessment.

C. Additional comments to support AJD: Wetlands E, I, J, and K are all depressional landforms surrounded by uplands with no surface hydrologic connection to any other waters in a typical year.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - USACOE AJD Letter 1.22.21 (2511 : Site Plan Review

NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND REQUEST FOR APPEAL		
Applicant: Mr. Gary Wiggin	File Number: SAS-2016-00807	Date: January 22, 2021
Attached is:		See Section below
	INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)	A
	PROFFERED PERMIT (Standard Permit or Letter of permission)	B
	PERMIT DENIAL	C
x	APPROVED JURISDICTIONAL DETERMINATION	D
	PRELIMINARY JURISDICTIONAL DETERMINATION	E

SECTION I - The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at http://www.usace.army.mil/CECW/Pages/reg_materials.aspx or Corps regulations at 33 CFR Part 331.

A: INITIAL PROFFERED PERMIT: You may accept or object to the permit.

ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.

OBJECT: If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

B: PROFFERED PERMIT: You may accept or appeal the permit.

ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.

APPEAL: If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

C: PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

D: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information.

ACCEPT: You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.

APPEAL: If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. The division engineer must receive this form within 60 days of the date of this notice.

E: PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - USACOE AJD Letter 1.22.21 (2511 : Site Plan Review

SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT

REASONS FOR APPEAL OR OBJECTIONS: (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

ADDITIONAL INFORMATION: The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

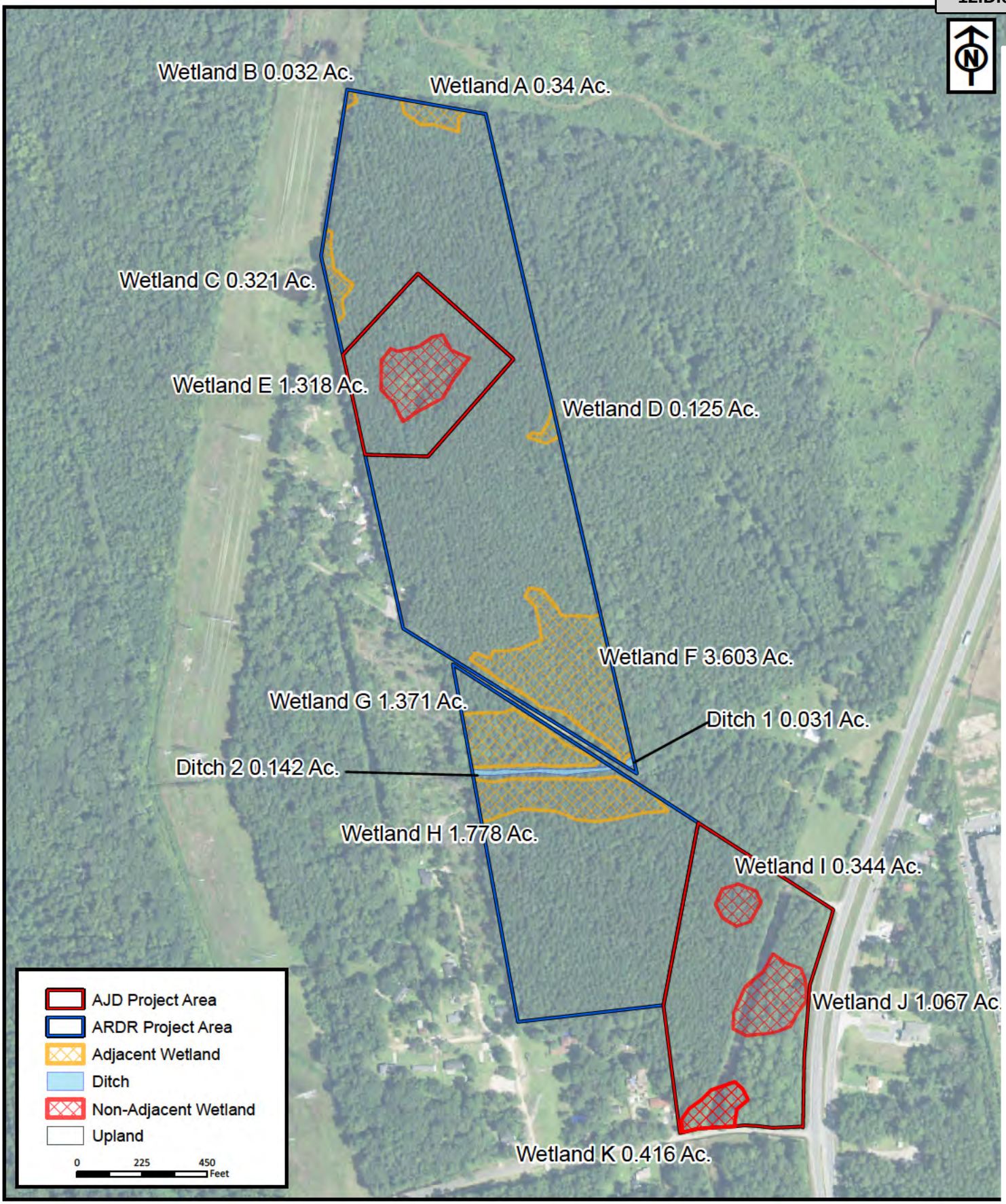
POINT OF CONTACT FOR QUESTIONS OR INFORMATION:

If you have questions regarding this decision and/or the appeal process you may contact: Ross Sullivan U.S. Army Corps of Engineers, Savannah District 100 W. Oglethorpe Avenue, Savannah, Georgia 31401 Phone: (912) 652-5618 Email: roscoe.l.sullivan@usace.army.mil	If you only have questions regarding the appeal process you may also contact: Mr. Philip Shannin Administrative Appeal Review Officer CESAS-PDS-O 60 Forsyth Street Southwest, Floor M9 Atlanta, Georgia 30303-8803 Phone: (404) 562-5136; Fax: (404) 562-5138 Email: philip.a.shannin@usace.army.mil

RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15-day notice of any site investigation, and will have the opportunity to participate in all site investigations.

_____ Signature of appellant or agent.	Date:	Telephone number:

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - USACOE AJD Letter 1.22.21 (2511 : Site Plan Review



RLC Project No.:	15-063
Figure No.:	8
Sketch Date:	31 August 2020
Prepared By:	BS
Map Scale :	1 inch = 450 feet

Saussey Road Tract
Chatham County, Georgia

Wetland Exhibit
Prepared For: Gary Wiggin

RLC
RESOURCE + LAND CONSULTANTS
41 Park of Commerce Way, Ste. 303
Savannah, Georgia 31405
912.443.5895 www.rlandc.com

Y:\2015 Projects\15-063 Wick Searcy 55 Acre Highway 21 Tract\graphics\figures\Ortho

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - USACOE AJD Letter 1.22.21 (2511 : Site Plan Review

THOMAS & HUTTON
50 PARK OF COMMERCE WAY
SAVANNAH, GA 31405 | 912.234.5300
WWW.THOMASANDHUTTON.COM

August 10, 2021

Mr. Brian Harvey
Director of Development Services
City of Port Wentworth
305 South Coastal Highway
Port Wentworth, GA 31407

Re: LMS Cottages
Port Wentworth, Georgia
Site Plan Review
J–25412.0022

Dear Brian:

We have received the site plan for the referenced project submittal. The following information was included in the submittal package:

- Master Hydrology Report, dated July 2021
- Water & Sewer Analysis, dated July 2021
- Storm Sewer Pipe Sizing Analysis, dated July 2021
- Traffic Impact and Access Study, dated June 2021
- Aquatic Resources Delineation Review and Jurisdictional Determination, dated January 2021
- Preliminary Geotechnical Report, dated November 2020
- Site Plan, dated June 2021
- Site Plan Review Application, dated July 2021

This site plan review was completed based on our interpretation of the latest City of Port Wentworth zoning ordinance and development regulations. Thomas & Hutton's review was performed in an effort to assess if the application package for the proposed improvements is in general conformance with City of Port Wentworth regulations. Our review shall not be interpreted as a detailed technical analysis of the design or for verification of technical sufficiency for elements of design. Under no circumstances shall our review and comments related to the site plans relieve the Applicant's Design Professional of their professional obligations and professional standards of care. As such, the design submitted by the Applicant's Design Professional shall be the sole responsibility of the Applicant's Design Professional. Thomas & Hutton shall not accept any responsibility for any liability due to design and construction, in whole or in part, for any aspect of the design and construction of design documents.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 1st Letter T&H 8.10.21 (2511 : Site Plan Review Application

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 1st Letter T&H 8.10.21 (2511 : Site Plan Review Application

We have reviewed the submittal package and offer the comments noted below for consideration.

General Comments

1. The site appears to be zoned as Residential-Agricultural with a zoning code of R-A however plans call out the zoning as Planned Residential Multifamily (P-M-R). Disregard comment if site has been rezoned.

2. The site lies within an Effective FEMA Zone X, area of minimal flood hazard; Zone X (shaded), area of moderate flood hazard; and special flood hazard area (SFHA) Zone AE with a base flood elevation (BFE) of 13 ft (NAVD88) as documented on FEMA FIRM Panel 13051C0030G, effective August 16, 2018. Fill appears to be proposed within the Zone AE floodplain.

   In addition to the calculation provided within the site development plans, please provide documentation depicting the area of fill and the area of mitigation along with certification that the cumulative effect of all proposed, existing, and anticipated development will not raise the water surface elevation of the base flood more than one foot at any point within the community, pursuant to Section 7-54 of the Port Wentworth Code of Ordinances.

3. Please provide a GDOT encroachment permit.

4. Please provide EPD water/wastewater permits, if applicable.

5. Please provide EPD land disturbance approval.

6. Please provide any other pertinent permit approvals.

7. Please confirm there are no impacts to jurisdictional wetlands.

Stormwater Comments

In accordance with the City of Port Wentworth Drainage and Flood Control Ordinance (PWSMO) Section 7–79, this project proposes site development that will involve the creation of 5,000 square feet or more of impervious cover that otherwise did not exist on the site previously. As such, all stormwater provisions apply to this site.

1. Please provide the following items to complete the Stormwater Management Design Plan per Section 7-80(d) of the Port Wentworth Code of Ordinances and Section 3.7.9 and 3.7.12 of the Port Wentworth Comprehensive Development Manual:
   a. Certification by Plan Preparer
   b. Certification by Owner

2. It appears that only 71% of runoff reduction is being achieved. Please provide further clarification on how the remaining runoff volume will be reduced and/or treated.

3. Please provide a detail and the location of all simple downspout disconnections per Section 7.8.8 of the Georgia CSS.

4. Please provide an effective level spreader for the vegetated filter strips, a detail for vegetated filter strips, and the location of all vegetated filter strips on the site development plans pursuant to Section 7.8.6 of the Georgia CSS.

5. Please acknowledge that a performance bond will be required prior to construction, as listed in Section 7–80(h) of Article III of the Drainage and Flood Control Ordinances within the Port Wentworth Code of Ordinances.

6. Provide a stormwater management inspection and maintenance agreement and plan as prescribed in Section 7–80(e) of the Port Wentworth Code of Ordinances.

7. Per Section 3.7.10 of the CDM, please provide a statement of no adverse upstream or downstream impacts to the existing stormwater system.

8. Pursuant to Section 3.7.9 of the Port Wentworth CDM, please also include pre- and post-development flows for the 2- and 5-year, 24-hour design storms.

9. It appears that pre- and post-development drainage basins do not account for disturbance along Saussy Road. Please include all disturbed areas within the drainage basins and any offsite drainage areas contributing to disturbed areas within the drainage maps.

10. Please provide peak water surface elevations for the 2- and 5-year, 24-hour design storms per Section 3.7.10(3) of the Port Wentworth CDM.

11. Please provide a node and link map for the primary drainage in the Master Hydrology Report.

12. The tailwater provided in the secondary drainage pipe sizing analysis states the tailwater used was 12.00 in Pond #1 and Pond #2 for the 25-year storm. According to the Master Hydrology Report, the peak elevations for Pond #1 and Pond #2 appear to be 15.58 and 14.30, respectively. Please provide clarification.

Water, Fire System, and Sanitary Sewer Design Comments

1. Please provide the Water/Wastewater Availability Request Form found in Appendix A of the Port Wentworth Comprehensive Design Manual (CDM) as required by Section 3.3 of the CDM.

2. Please ensure all existing utility line locations and structures are shown on site plans. The existing water line along Saussy Road appears to not be shown on the utility plans.

3. Complete and provide the Water Distribution System Check List (Section 3.4.3 Exhibit 1 in the CDM).

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 1st Letter T&H 8.10.21 (2511 : Site Plan Review Application

4. Complete and provide the Fire Protection Design Requirements form (Section 3.4.4 Exhibit 2 in the CDM).

5. Complete and provide the necessary Available Fire Flow (Aff) calculations (Section 3.4.5 Exhibit 3 in the CDM).

6. Complete and provide the Owner/Client Declaration (Section 3.4.7 Exhibit 4 in the CDM).

7. Complete and provide the Wastewater Collection System Check List (Section 3.5.3 Exhibit 1 in the CDM).

8. Complete and provide the necessary Equivalent Residential Unit (ERU) calculations (Section 3.5.4 Exhibit 2 in the CDM).

9. Please provide sewer/pump station design calculations showing peak flow rate and TDH in accordance with Port Wentworth CDM Section 5.1.1.

10. It is our understanding that a fire protection/suppression system will not be included within this project. Please coordinate with the Port Wentworth Fire Marshal for the fire protection comments and approval.

Plan Sheets Comments

1. Please show the location of all setbacks pursuant to Section 5.2 of Appendix B of the Port Wentworth Code of Ordinances.

2. Pursuant to Section 15.3-2.1(b) in Appendix B of the Port Wentworth Code of Ordinances, please ensure that that the centerline offsets of all existing and proposed streets are less than 150 feet apart, specifically for Jeffers Road and GA Highway 21.

3. Pursuant to Section 15.3-2.1(f) in Appendix B of the Port Wentworth Code of Ordinances, please ensure all lot line radii are at least 20 feet and the curvilinear streets are at least 75 feet.

4. Please ensure that permanent dead-end streets contain a turnaround with a roadway diameter of at least 80 feet and right-of-way diameter of 100 feet, pursuant to Section 15.3-2.1(g) in Appendix B of the Port Wentworth Code of Ordinances.

5. Please note that all street names within a subdivision shall be approved by the Manger and Council, pursuant to Section 15.3-2.1(k) in Appendix B of the Port Wentworth Code of Ordinances.

6. Please ensure sidewalk layout meets the minimum design standards provided in Section 15.3-2.1(p) in Appendix B of the Port Wentworth Code of Ordinances.

7. Please provide right-of-way lines for all proposed roads, pursuant to Section 15.3-2.2 in Appendix B of the Port Wentworth Code of Ordinances.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 1st Letter T&H 8.10.21 (2511 : Site Plan Review Application

8. Please confirm that all water/wastewater pipes have a minimum of 24" of cover as provided in the Port Wentworth CDM technical details S-8 and W-8.

9. Please consider all water/sewer and water/storm crossings have at least 18" minimum separation.

Site Lighting Comments

1. The Site Lighting Plan indicates that the plan is preliminary until a Georgia Power Executed Lighting Agreement is obtained. Please provide the final Sight Lighting Plan once this agreement is acquired.

Paving, Signage, and Parking Comments

1. Applicant shall ensure construction of sidewalks, ADA parking, and accessible routes are in conformance with federal ADA standards, latest edition. Please provide a note on the plans.

2. Provide all applicable details concerning the parking spaces, both handicap accessible and otherwise.

3. Please provide the parking calculations per dwelling unit as defined in Section 4.10 of Appendix B in the Port Wentworth Code of Ordinances. It appears that there are not enough parking spaces for the proposed number of multifamily homes.

4. Any proposed signage will require a separate permit as outlined in Section 19.1–3 of Port Wentworth Code of Ordinances.

5. A building permit will be required as outlined in Section 7.3, Appendix B of Port Wentworth Code of Ordinances.

Thank you for your attention to this project. If there are any questions or comments, please feel free to call us at (912) 234–5300.

Sincerely,

THOMAS & HUTTON

Darby Burk

DMB/dmb

Enclosures

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 1st Letter T&H 8.10.21 (2511 : Site Plan Review Application

CITY OF PORT WENTWORTH

7224 GA Highway 21 | Port Wentworth, Georgia 31407
Phone (912) 964-4379 | Fax (912) 966-7429
www.cityofportwentworth.com

ELECTED OFFICIALS

MAYOR
Gary Norton

COUNCIL MEMBERS
Linda Smith
Mayor Pro Tem

District 1

Mark Stephens
District 2

Lynwood Griner
District 3

Glenn Jones
District 4

Thomas Barbee
At-Large

CITY MANAGER
Edwin Booth

August 13, 2021

To Whom It May Concern:

Re: LMS Cottages site plan review

The comments noted bellow are for correction:

1- Location of the backflow prevention device
2- Minimum water main diameter shall be 8" (see CDM page 13)
3- Add a note to the reference "All valves over 8" must be inside manhole TYP" (see detail W-14)
4- The tapping sleeve to the water main must be inside manhole (see detail W-14)
5- Add WV near building B2 (South bound)

General notes:

1- Maintain a minimum of 18" on all the utilities crossing, you also have an unusual crossing where the water main is crossing under the sewer main.
2- Once you add the extra lane on Saussy Rd., the existing water main will be under the road, make sure it has 3 feet of coverage.

Thanks

Omar Senati-Martinez, CFM
Construction Inspector
7306 Highway 21, Suite 301
Port Wentworth, GA 31407
Email: osenatimartinez@cityofportwentworth.com
Phone: 912-999-2084

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 1st Letter City 8.13.21 (2511 : Site Plan Review Application

Melanie Ellis

From: Lance Moore
Sent: Tuesday, August 10, 2021 4:07 PM
To: Melanie Ellis
Cc: Ashley Lanier
Subject: Lms Cottages

Good Afternoon Melanie, as we discussed yesterday they will need to be sure that there are no "dead end' access roads greater than 150' and they will need to comply with section **503.1** of the 2018 IFC with regard to the structures on the North side of the complex. Thanks for everything- Lance

Lance Moore
Fire Chief
Port Wentworth, Ga 31407
912- 401- 0475

This electronic mail message and all attachments may contain confidential information belonging to the sender or the intended recipient. This information is intended ONLY for the use of the individual or entity named above.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 1st Letter City 8.13.21 (2511 : Site Plan Review Application

Project Timeline

7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN

Project Number 210271

Applicant: Neil McKenzie, Coleman Company

Review Engineer: Thomas & Hutton

- 7/26/2021 – Application received; complete
- 7/27/2021 – Sent application and documents to Thomas & Hutton to start the review
- 8/10/2021 – 1st set of review comments received from T&H. Comments forwarded to Neil McKenzie
- 8/13/2021 – Sent comments from Development Services and the Fire Department review to Neil McKenzie.
- 9/1/2021 – Received resubmittal from Neil McKenzie – T&H copied on resubmittal email.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Timeline (2511 : Site Plan Review Application (Specific) 7-

COLEMAN COMPANY
ENGINEERS • SURVEYORS

August 10, 2021

Darby Burk
Thomas & Hutton
50 Park of Commerce Way
Savannah, GA 31405

RE:

Dear Mr. Burk:

The following resolutions are offered to your comments dated August 10, 2021:

Fire Marshall: Fire lanes have been added to the plan per your request.

County Comments:

1) *Location of the backflow prevention device.*
   RPZ shown
2) *Minimum water main diameter shall be 8" (See CDM page 13).*
   Provided
3) *Add a note to the reference "All valves over 8" must be inside manhole TYP" (see detail W-14).*
   Note added on sheet C6.0.
4) *Tapping sleeve to the water main must be inside manhole (see detail W-14).*
   Marked on plans.
5) *ADD WV near building B2 (South bound).*
   Multiple valves are provided throughout the water main run.
6) *Maintain a minimum of 18" on all utility crossings, you also have an unusual crossing where the water main is crossing under the sewer main.*
   Provided
7) *Once you add the extra lane on Saussy Road, the existing water main will be under the road, make sure it has 3 feet of coverage.*
   Provided

General Comments:

8) *The site appears to be zoned as Residential-Agricultural with a zoning code of R-A however plans call out the zoning as Planned Residential Multifamily (P-M-R). Disregard comment if site has been rezoned.*
   Site has been rezoned.
9) *The site lies within an Effective FEMA Zone X, area of minimal flood hazard; Zone X (shaded), area of moderate flood hazard; and special flood hazard area (SFHA) Zone AE with a base flood elevation (BFE) of 13 ft (NAVD88) as documented on FEMA FIRM Panel 13051C0030G, effective August 16, 2018. Fill appears to be proposed within the Zone AE floodplain. In addition to the*

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 1st Return Comment Letter Coleman 8.10.21 (2511 : Site Plan

COLEMAN COMPANY
ENGINEERS • SURVEYORS

calculation provided within the site development plans, please provide documentation depicting the area of fill and the area of mitigation along with certification that the cumulative effect of all proposed, existing, and anticipated development will not raise the water surface elevation of the base flood more than one foot at any point within the community, pursuant to Section 7-54 of the Port Wentworth Code of Ordinances.

Flood mitigation area is outlined on sheet C5.0 along with a signed certification statement.

10) *Please provide a GDOT encroachment permit.*

Filed on 8/5/21.

11) *Please provide EPD water/wastewater permits, if applicable.*

Forthcoming

12) *Please provide EPD land disturbance approval.*

Provided with this submittal.

13) *Please provide any other pertinent permit approvals.*

No other permits needed.

14) *Please confirm there are no impacts to jurisdictional wetlands.*

See notes on grading plans.

Stormwater Comments:

15) *Please provide the following items to complete the Stormwater Management Design Plan per Section 7-80(d) of the Port Wentworth Code of Ordinances and Section 3.7.9 and 3.7.12 of the Port Wentworth Comprehensive Development Manual:*

a. Certification by Plan Preparer

b. Certification by Owner

See statements on cover sheet.

16) *It appears that only 71% of runoff reduction is being achieved. Please provide further clarification on how the remaining runoff volume will be reduced and/or treated.*

The spreadsheet has been revised to reach 80% RR, including the whole parcel in the site data. This also includes the undisturbed wetlands area and the 10' vegetated buffer considered as soil restoration.

17) *Please provide a detail and the location of all simple downspout disconnections per Section 7.8.8 of the Georgia CSS.*

Detail provided on sheet C9.2.

18) *Please provide an effective level spreader for the vegetated filter strips, a detail for vegetated filter strips, and the location of all vegetated filter strips on the site development plans pursuant to Section 7.8.6 of the Georgia CSS.*

Detail provided on sheet C9.2.

19) *Please acknowledge that a performance bond will be required prior to construction, as listed in Section 7–80(h) of Article III of the Drainage and Flood Control Ordinances within the Port Wentworth Code of Ordinances.*

Note added to sheet C4.0 & C5.0.

20) *Provide a stormwater management inspection and maintenance agreement and plan as prescribed in Section 7–80(e) of the Port Wentworth Code of Ordinances.*

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 1st Return Comment Letter Coleman 8.10.21 (2511 : Site Plan

COLEMAN COMPANY
ENGINEERS • SURVEYORS

Agreement has been sent to the owner for signature and is forthcoming.

21) *Per Section 3.7.10 of the CDM, please provide a statement of no adverse upstream or downstream impacts to the existing stormwater system.*
Note added to sheet C4.0 & C5.0.

22) *Pursuant to Section 3.7.9 of the Port Wentworth CDM, please also include pre- and post-development flows for the 2- and 5-year, 24-hour design storms.*
Provided

23) *It appears that pre- and post-development drainage basins do not account for disturbance along Saussy Road. Please include all disturbed areas within the drainage basins and any offsite drainage areas contributing to disturbed areas within the drainage maps.*
In its post-development state, we are sending most of the water from Saussy Road into Pond #1A. During a site visit after a storm event, the water along the southside of Saussy Road is mostly standing water and not flowing. At the entrance, it is flowing north along Highway 21. We are reducing the drainage area overall, therefore, reducing the flow.

24) *Please provide peak water surface elevations for the 2- and 5-year, 24-hour design storms per Section 3.7.10(3) of the Port Wentworth CDM.*
Provided

25) *Please provide a node and link map for the primary drainage in the Master Hydrology Report.*
Provided

26) *The tailwater provided in the secondary drainage pipe sizing analysis states the tailwater used was 12.00 in Pond #1 and Pond #2 for the 25-year storm. According to the Master Hydrology Report, the peak elevations for Pond #1 and Pond #2 appear to be 15.58 and 14.30, respectively. Please provide clarification.*
Revised

<u>Water, Fire System, & Sanitary Sewer Design Comments:</u>

27) *Please provide the Water/Wastewater Availability Request Form found in Appendix A of the Port Wentworth Comprehensive Design Manual (CDM) as required by Section 3.3 of the CDM.*
Provided with this submittal

28) *Please ensure all existing utility line locations and structures are shown on site plans. The existing water line along Saussy Road appears to not be shown on the utility plans.*
Shown

29) *Complete and provide the Water Distribution System Check List (Section 3.4.3 Exhibit 1 in the CDM).*
Provided with this submittal

30) *Complete and provide the Fire Protection Design Requirements form (Section 3.4.4 Exhibit 2 in the CDM).*
Provided with this submittal

31) *Complete and provide the necessary Available Fire Flow (Aff) calculations (Section 3.4.5 Exhibit 3 in the CDM).*
Provided with this submittal

32) *Complete and provide the Owner/Client Declaration (Section 3.4.7 Exhibit 4 in the CDM).*

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 1st Return Comment Letter Coleman 8.10.21 (2511 : Site Plan

COLEMAN COMPANY
ENGINEERS • SURVEYORS

Provided with this submittal

33) *Complete and provide the Wastewater Collection System Check List (Section 3.5.3 Exhibit 1 in the CDM).*

Provided with this submittal

34) *Complete and provide the necessary Equivalent Residential Unit (ERU) calculations (Section 3.5.4 Exhibit 2 in the CDM).*

Provided with this submittal

35) *Please provide sewer/pump station design calculations showing peak flow rate and TDH in accordance with Port Wentworth CDM Section 5.1.1.*

A revised Water & Sewer Analysis with Appendix D showing the Lift Station calculations was added and attached with this submittal.

36) *It is our understanding that a fire protection/suppression system will not be included within this project. Please coordinate with the Port Wentworth Fire Marshal for the fire protection comments and approval.*

His comments have been addressed.

Plan Sheets Comments:

37) *Please show the location of all setbacks pursuant to Section 5.2 of Appendix B of the Port Wentworth Code of Ordinances.*

Shown

38) *Pursuant to Section 15.3-2.1(b) in Appendix B of the Port Wentworth Code of Ordinances, please ensure that that the centerline offsets of all existing and proposed streets are less than 150 feet apart, specifically for Jeffers Road and GA Highway 21.*

Comment is not applicable. The proposed development is not a subdivision.

39) *Pursuant to Section 15.3-2.1(f) in Appendix B of the Port Wentworth Code of Ordinances, please ensure all lot line radii are at least 20 feet and the curvilinear streets are at least 75 feet.*

Comment is not applicable. The proposed development is not a subdivision.

40) *Please ensure that permanent dead-end streets contain a turnaround with a roadway diameter of at least 80 feet and right-of-way diameter of 100 feet, pursuant to Section 15.3-2.1(g) in Appendix B of the Port Wentworth Code of Ordinances.*

Comment is not applicable. The proposed development is not a subdivision.

41) *Please note that all street names within a subdivision shall be approved by the Manger and Council, pursuant to Section 15.3-2.1(k) in Appendix B of the Port Wentworth Code of Ordinances.*

Comment is not applicable. The proposed development is not a subdivision, but names will be provided accordingly.

42) *Please ensure sidewalk layout meets the minimum design standards provided in Section 15.3-2.1(p) in Appendix B of the Port Wentworth Code of Ordinances.*

Comment is not applicable. The proposed development is not a subdivision.

43) *Please provide right-of-way lines for all proposed roads, pursuant to Section 15.3- 2.2 in Appendix B of the Port Wentworth Code of Ordinances.*

Comment is not applicable. The proposed development is not a subdivision.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 1st Return Comment Letter Coleman 8.10.21 (2511 : Site Plan

COLEMAN COMPANY
ENGINEERS • SURVEYORS

44) *Please confirm that all water/wastewater pipes have a minimum of 24" of cover as provided in the Port Wentworth CDM technical details S-8 and W-8.*
Provided

45) *Please consider all water/sewer and water/storm crossings have at least 18" minimum separation.*
Provided

Site Lighting Comments:

1) *The Site Lighting Plan indicates that the plan is preliminary until a Georgia Power Executed Lighting Agreement is obtained. Please provide the final Sight Lighting Plan once this agreement is acquired.*
Lighting Plan is for permitting. The agreement has been sent to owner for signature.

Paving, Signage, & Parking Comments:

1) *Applicant shall ensure construction of sidewalks, ADA parking, and accessible routes are in conformance with federal ADA standards, latest edition. Please provide a note on the plans.*
Note provided on sheet C3.0.
2) *Provide all applicable details concerning the parking spaces, both handicap accessible and otherwise.*
Provided
3) *Please provide the parking calculations per dwelling unit as defined in Section 4.10 of Appendix B in the Port Wentworth Code of Ordinances. It appears that there are not enough parking spaces for the proposed number of multifamily homes.*
Parking calculations can be found on sheet C3.0.
4) *Any proposed signage will require a separate permit as outlined in Section 19.1–3 of Port Wentworth Code of Ordinances.*
Acknowledged
5) *A building permit will be required as outlined in Section 7.3, Appendix B of Port Wentworth Code of Ordinances.*
Will be provided by the contractor or developer.

Thank you for your response, your time and effort are greatly appreciated. Should you have any questions or require additional information, please contact me.

Sincerely,

Neil McKenzie, P.E.
Coleman Company. Inc.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 1st Return Comment Letter Coleman 8.10.21 (2511 : Site Plan

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

Richard E. Dunn, Director

Watershed Protection Branch
Coastal District Office
400 Commerce Center Drive
Brunswick, Georgia 31523-8251
Phone: 912-264-7284; Fax: (912) 262-3160

August 2, 2021

LMS Real Estate Investment Management
c/o J. Patrick Harwell
pharwell@lms-realestate.com

Re: Proposed Land Disturbing Activity
LMS Cottages
Chatham County, Georgia
File: SW-025-04-153

Dear Mr. Harwell:

In accordance with the General NPDES Permit No. GAR100001 for Storm Water Discharges Associated with Construction Activities for Stand Alone Construction Projects, issued by the Georgia Environmental Protection Division (EPD) in August 2018, this Project has been reviewed for deficiencies in the identification of waters of the state and potential encroachment of land disturbing activities within 25 foot immediately adjacent and upland of the identifiable point from which the State mandated buffer is measured.

Based upon this review, the EPD has determined the following:

(1) The project does **not** have deficiencies in the identification of waters of the state.

(2) The project will **not** require a buffer variance from the EPD.

However, the EPD reserves the right to change this determination if information that conflicts with the original submittal is obtained during a later site inspection.

Additionally, in accordance with the General NPDES Permit No. GAR100001, each Erosion, Sedimentation and Pollution Control Plan (ESPCP) submittal shall include a completed and applicable ESPCP Checklist established by the Georgia Soil and Water Conservation as of January 1 of the year in which the land-disturbing activity was permitted.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - ESPC Approval 8.2.21 (2511 : Site Plan Review Application

A deficient ESPCP is a violation of the NPDES Permit. If violations occur on the proposed project site and enforcement actions become necessary, a deficient ESPCP may increase the fines incurred. The applicable Checklist as well as a guidance document are available on the Georgia EPD website @ http://epd.georgia.gov.

Based upon this review, EPD has determined the following:

(1) The ESPCP for this Project does **not** have deficiencies.

If additional information is required, please contact me at 912-554-3492.

Sincerely,

Shannon K. Winsness
Environmental Specialist

cc: Coleman Company
c/o Neil McKenzie, P.E.
nmckenzie@cci-sav.com

Alice Vick
EPD Coastal District Office
400 Commerce Center Drive
Brunswick, GA 31523-8251

File: SW-025-04-153

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - ESPC Approval 8.2.21 (2511 : Site Plan Review Application

SAUSSY FARMS

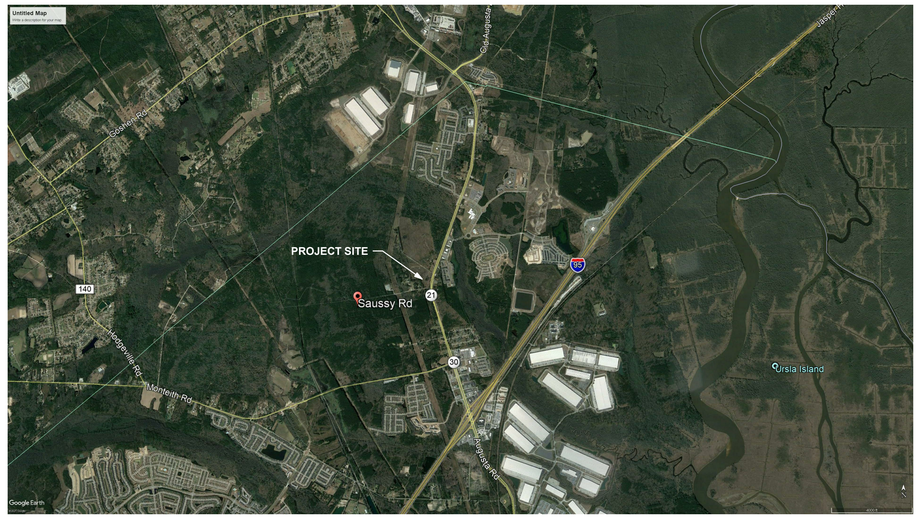
Port Wentworth , Georgia

PROJECT TEAM

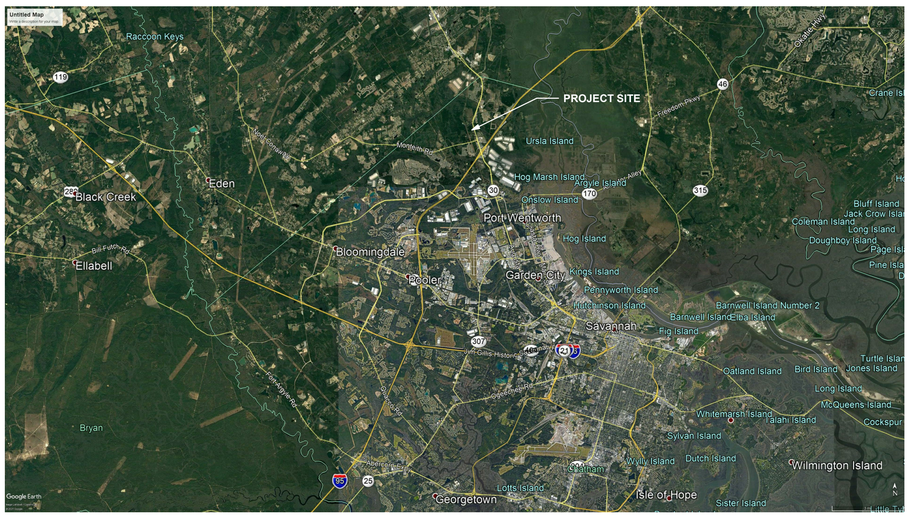
OWNER
J. PATRICK HARWELL
LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC
1744 OXMOOR ROAD
HOMEWOOD , AL 35209
PROJECT CONTACT: HUNTER BENTON
EMAIL: hbenton@lms-realestate.com
PHONE: 205-835-6312

ARCHITECT
CCR ARCHITECTURE & INTERIORS
2920 1ST AVENUE SOUTH
BIRMINGHAM, AL 35233
PROJECT CONTACT:
EMAIL:
PHONE: (205) 324-8864

CIVIL ENGINEER
COLEMAN COMPANY
SAVANNAH, GEORGIA
912-200-3041
CONTACT: NEIL MCKENZIE, PE
EMAIL: nmckenzie@cci-sav.com



LOCATION MAP



VICINITY MAP

CODE ANALYSIS

2018 INTERNATIONAL RESIDENTIAL BUILDING CODE (IRC)
STATE OF GEORGIA AMENDMENTS

DESCRIPTION OF THE WORK: CONSTRUCTION OF MULTI FAMILY DUPLEXES AND TOWNHOUSES

CONSTRUCTION TYPE (TABLE 601): TYPE V UNSPRINKLERED
CONSTRUCTION CLASSIFICATION (TABLE 602): *FIRE RATING OF EXTERIOR WALLS*

CLOSER THAN 5' ONE HOUR RATING REQUIRED

OCCUPANCY GROUP: DUPLEXES AND TOWNHOUSES

ENERGY COMPLIANCE:
RES CHECK REQUIRED
INTERNATIONAL ENERGY CODE COMPLIANCE (IECC) CERTIFICATE REQUIRED
SEE TABLE BELOW FOR REQUIRED RATINGS

HANDICAP ACCESS REQUIREMNTS
FAIR HOUSING ACT REQUIRES COMPLIANCE ON BUILDINGS WITH FOUR OR MORE UNITS.
DUPLEXES ARE ONLY TWO UNITS SO ACCESSIBLITY IS NOT MANDATORY

FAIR HOUSING ACT DOES NOT REQUIRE TWO STORY UNITS TO BE ACCESSIBLE.

UNIT QUANTITIES

ONE STORY UNITS:

87 UNITS TOTAL COMPRISED OF:

7	111G1	(A1)
14	122G1	(A2)
12	132G2	(A3)
14	111G0	(B1)
24	122G0	(B2)
16	132G0	(B3)

22 UNITS OF EACH OF THE 4 PORCH TYPES.

29 UNITS OF EACH OF 3 SIDING TYPES.

SIDING COLORS WILL VARY. TRIM TO BE THE SAME COLOR.

TWO STORY UNITS:

122 UNITS TOTAL COMPRISED OF:

61	211G1	(C1)
61	222G1	(C2)

UNIT GROUPS AND OPTIONS:

11 OF THE 4 UNIT GROUPS COMPRISED OF:

3	OPTION A
3	OPTION B
3	OPTION C
2	OPTION D

13 OF THE 6 UNIT GROUPS COMPRISED OF:

4	OPTION A
3	OPTION B
3	OPTION C
3	OPTION D

GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE OF STUD, UNLESS OTHERWISE NOTED.
2. TYPICAL WALLS:
   EXTERIOR: 2x6 WOOD STUD
   INTERIOR: 2x4 WOOD STUD (EXCEPT BEHIND TOILETS: 2x6)
3. DEMISING WALLS: SEE DETAILS
4. PROVIDE BLOCKING IN WALLS FOR ALL WALL MOUNTED CABINETS & ACCESSORIES INCLUDING SHELVES & TV'S.
5. TYPICAL STANDARD DETAILS SHOWN ON A300.

DRAWING INDEX

GENERAL
G000 TITLE SHEET
G001 SCHEDULES AND LEGENDS
G002 DESCRIPTION OF UNIT OPTIONS, MEP AND STRUCURAL SUMMARIES

ARCHITECTURAL
A000 SITE PLAN
A101 UNIT 111
A102 UNIT 122
A103 UNIT 132
A104 GARAGE OPTIONS
A105 GARAGE OPTIONS
A106 PORCH OPTIONS
A107 PORCH OPTIONS
A108 EXTERIOR CLADDING OPTIONS
A109 CONFIGURATION OPTIONS
A201 TOWNHOUSE UNIT 211
A202 TOWNHOUSE UNIT 222
A203 ROOF PLAN 6 UNIT TOWNHOUSE
A204 ROOF PLAN 4 UNIT TOWNHOUSE
A205 FLOOR PLANS 6 AND 4 UNIT TOWNHOUSES
A206 EXTERIOR ELEVATION 6 UNIT TOWNHOUSE
A207 EXTERIOR ELEVATION OPTIONS 6 UNIT TOWNHOUSE
A208 EXTERIOR ELEVATION OPTIONS 4 UNIT TOWNHOUSE
A300 STANDARD DETAILS
A301 INTERIOR STAIR

TABLE R402.1.2

INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT

CLIMATE ZONE	FENESTRATION *U*-FACTOR - MAX.	SKYLIGHT *U*-FACTOR - MAX.	GLAZED FENESTRATION SHGC - MAX.	CEILING *R*-VALUE - MIN.	WOOD FRAME WALL *R*-VALUE - MIN.	MASS WALL *R*-VALUE - MIN.	FLOOR *R*-VALUE - MIN.	BASEMENT WALL *R*-VALUE - MIN.	SLAB *R*-VALUE & DEPTH - MIN.	CRAWL SPACE WALL *R*-VALUE - MIN.
2A	0.40	0.65	0.25	38	13	4/6	13	0	0	0

DESIGN DEVELOPMENT

PRELIMINARY - NOT FOR CONSTRUCTION

CCR ARCHITECTURE & INTERIORS

SAUSSY FARMS
Port Wentworth , Georgia

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS

#	DESCRIPTION	DATE
1	Site Plan	06-25-20 21

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
G000

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.

6/2/2021 10:37:13 PM
J:\2020\20034 Community Housing\Models_ARCH_2021.rvt

ACCESSORY SCHEDULE

MIRROR:	MORENO BATH MIRROR: BLISS 53.75" X 27.5" FRAMED SINGLE WALL MIRROR WITH SHELF IN RICH BLACK FINISH; BY MORENO BATH TYPICAL EXCEPT AT POWDER ROOM: AT POWDER ROOM USE BLISS 22" X 27.5" SIZE
TOWEL BAR:	PAMEX; TOWEL BAR SET; SEAL BEACH COLLECTION; MODEL: BCS-13824; FINISH: SATIN NICKEL
TOWEL RING:	PAMEX; METAL TOWEL RINGS; SEAL BEACH COLLECTION; MODEL: BCS-30; FINISH: SATIN NICKEL
TP HOLDER:	PAMEX; SURFACE PAPER HOLDER; SEAL BEACH COLLECTION; MODEL : BCS-42; FINISH: SATIN NICKEL
SHOWER ROD AT TUBS:	PAMEX; ALUMINUM SHOWER ROD & CONCEALED FLANGE SET; MODEL: BSR-541; FINISH: MATTE BLACK
SHOWER ENCLOSURE	GLASS ENCLOSURE, SEE PLANS FOR CONFIGURATIONS
CLOSET SHELVES	WIRE SHELVES
BLINDS	2" FAUX WOOD BLINDS

APPLIANCE SCHEDULE

WHIRLPOOL

WASHER:	WTW4850HW - TOP LOAD
DRYER:	WED5620HW - FRONT LOAD
STACKED WD:	WET4027HW
GARAGE DISPOSAL:	WG1202XH
RANGE:	WEE510S0FS; 30" WIDE GLASS TOP; ELECTRIC; FRONT CONTROLLED
MICROWAVE/ HOOD:	WMH53521HV STAINLESS
DISHWASHER:	WDT730PAHZ STAINLESS
REFRIGERATOR:	WRF560SEHZ; 30" WIDE STAINLESS W/ WATER/ ICE/ IN DOOR; SIDE BY SIDE DOORS

UNIT FINISH SCHEDULE

ROOM	FLOOR	BASE	WALLS	CEILING	NOTES
LIVING ROOM	LVT-1	WD-1	PT-1	GB-1	
KITCHEN	LVT-1	WD-1	PT-1	GB-1	WT-1 AT BACKSPLASH
LAUNDRY	LVT-1	WD-1	PT-1	GB-1	
BEDROOM	CPT-1	WD-1	PT-1	GB-1	
BATHROOM	LVT-1	WD-1	PT-1	GB-1	
CLOSET	SEE NOTE	WD-1	PT-1	GB-1	FLOOR FINISH TO MATCH ADJ. ROOM
GARAGE	SEALED CONCRETE	WD-1	PT-1	GB-2 5/8" TYPE X	CEILING FINISH AT TWO STORY UNITS ONLY

UNIT FINISH LEGEND

FLOOR

CPT-1	BROADLOOM CARPET; SHAW BREAK AWAY BERBER
LVT-1	LUXURY VINYL TILE; 8 MIL VINYL PLANK; SHAW CONTRACT TERRAIN, STYLE 0655V, COLOR PIRCH 00684

BASE

WB-1	PAINTED WOOD BASE; 1x4 RECTANGLE PROFILE

WALL

PT-1	GENERAL PAINT COLOR; SHERWIN WILLIAMS; COLOR TBD; FLAT SHEEN
PT-2	TRIM PAINT COLOR; SHERWIN WILLIAMS; COLOR TBD; SEMI GLOSS
WT-1	SUBWAY WALL TILE; COLOR WHEEL COLLECTION; CLASSIC; ARTIC WHITE 0190; 3"X6" PROVIDE SCHLUTER STRIP (JOLLY SATIN NICKEL FINISH) AT EXPOSED EDGE

CEILING

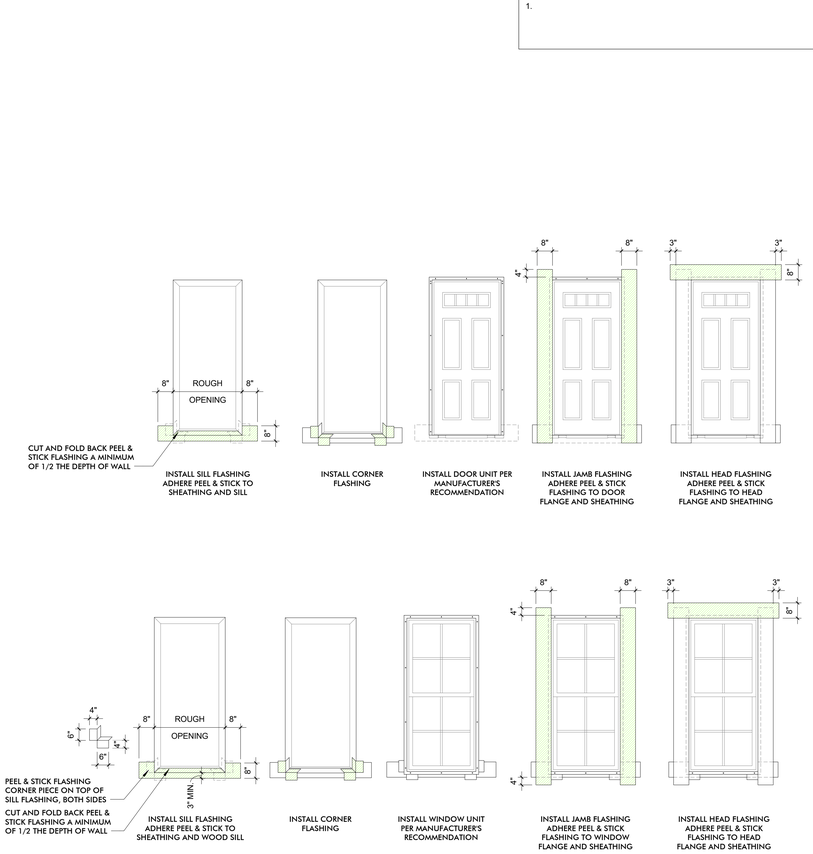
GB-1	PAINTED GYP. BD. SHERWIN WILLIAMS; COLOR WHITE; TBD
GB-2	PAINTED 5/8" TYPE X GYP. BD. SHERWIN WILLIAMS; COLOR WHITE; TBD

MILLWORK

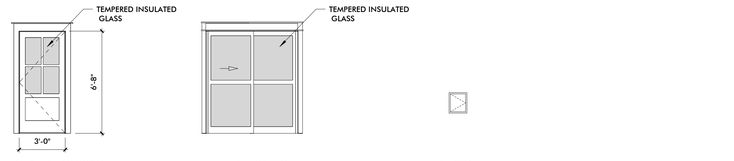
G-1	KITCHEN COUNTERTOPS; 3CM - LEVEL 1; UNDERMOUNT SINK
G-2	BATHROOM COUNTERTOPS; 2CM - LEVEL 1; UNDERMOUNT SINK
C-1	CABINETS; SHAKER STYLE PAINTED WOOD, BASIS OF DESIGN LEEDO CHANNING FRAMED CONSTRUCITON FULL OVERLAY
H-1	CABINET HARDWARE CONCEALED HINGES 4" PULLS; LIBERTY ESSETNIALS 5 1/16" CENTER TO CENTER BAR PULL FINISH MATT BLACK

FINISH NOTES:

1.



DOOR & WINDOW WRAP DIAGRAM
3/8" = 1'-0"

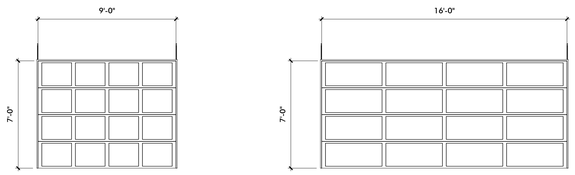


001 EXTERIOR DOOR
INSWING SINGLE
FIBERGLASS INSULATED

002 EXTERIOR DOOR
SLIDING PATIO DOOR
VINYL
PLYGEM CLSPDR6068
INSULATED GLAZING

PET DOOR
PETSAFE MEDIUM SIZE (10" X 15")
DOUBLE FLAP WALL ENTRY
OR EQUAL
PRICE AS ALTERNATE

1 DOORS - EXTERIOR
1/4" = 1'-0"

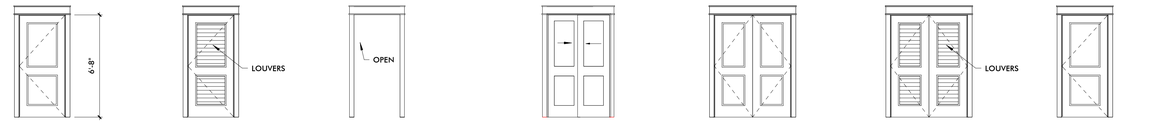


120 GARAGE DOOR
OVERHEAD SECTIONAL
NON INSULATED VINYL
MOTOR OPERATED
HIGH WIND LOAD

121 GARAGE DOOR
OVERHEAD SECTIONAL
NON INSULATED VINYL
MOTOR OPERATED
HIGH WIND LOAD

DOOR HARDWARE
FINISH : SATIN NICKEL, LEVER STYLE
SMART KEY SYSTEM
INTERIOR DOORS: MULTI FAMILY GRADE
FRONT DOOR: MEDIUM DUTY GRADE

2 DOORS - GARAGE
1/4" = 1'-0"



A # INTERIOR DOOR
SWING
SOLID CORE
MOLDED MASONITE
HOLLOW CORE AT CLOSETS

B # INTERIOR DOOR
SWING
HOLLOW CORE W/ LOUVERS
MOLDED MASONITE
HOLLOW CORE AT CLOSETS

C # CASED OPENING

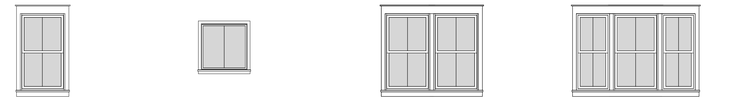
D # INTERIOR DOOR
DOUBLE BYPASS
HOLLOW CORE
MOLDED MASONITE

E # INTERIOR DOOR
DOUBLE SWING
HOLLOW CORE
MOLDED MASONITE
HOLLOW CORE AT CLOSETS

F # INTERIOR DOOR
DOUBLE SWING
HOLLOW CORE WITH LOUVERS
MOLDED MASONITE
HOLLOW CORE AT CLOSETS

G # INTERIOR DOOR
SWING
SOLID CORE
MOLDED MASONITE
WEATHERSTRIP

3 DOORS - INTERIOR
1/4" = 1'-0"



A
PLYGEM VINYL CLASSIC SERIES
SH: TVBSH3052
INSULATED LOW E GLAZING
DP 50, NOT IN WIND BORN DEBRIS REGION

B
PLYGEM VINYL CLASSIC SERIES
SH: TVBSH3030P
INSULATED LOW E GLAZING
DP 50, NOT IN WIND BORN DEBRIS REGION

C
PLYGEM VINYL CLASSIC SERIES
SH: TVBSH3052
INSULATED LOW E GLAZING
DP 50, NOT IN WIND BORN DEBRIS REGION

D
PLYGEM VINYL CLASSIC SERIES
SH: TVBSH3052
INSULATED LOW E GLAZING
DP 50, NOT IN WIND BORN DEBRIS REGION

4 WINDOWS
1/4" = 1'-0"

UNIT RCP LEGEND

	FOUR BLADE CEILING FAN WITH LIGHT. KICHLER - LUA 52" CEILING FAN NICKEL ETCHED CASED OPAL GLASS, 330140NI @ BEDROOMS SWITCHED SEPARATELY (FAN AND LIGHT)
	EXTERIOR WALL LIGHT, UL LISTED WET LOCATION. KICHLER - CAPANNA 10" 1 LIGHT WALL LIGHT TEXTURED BLACK, 49924BKT
	ROUND 5" DOWNLIGHT. KICHLER - DIRECT TO CEILING LED DOWNLIGHT SLIM
	ONE LAMP MINI PENDANT. SEA GULL LIGHTING; HOME DEPOT; AGATHA 12.5"W X 14.75"H 1 CLEAR GLASS PENDANT WITH BRUSHED NICKEL ACCENTS AND VINTAGE EDISON BULB @ KITCHEN PENANTS (3 PER ISLAND)
	SHOWER LIGHT, UL LISTED WET LOCATION, ALLOW $50 ALLOWANCE FOR LIGHT FIXTURES ONLY
	THREE LIGHT VANITY FIXTURE. KICHLER -HARMONY COLLECTION; HARMONY 3 LIGHT VANITY LIGHT OLDE BRONZE @ BATHROOM VANITIES
	GARAGE FIXTURE; ALLOW $100 ALLOWANCE FOR LIGHT FIXTURE ONLY
	COMBINATION SMOKE AND CARBON MONOXIDE ALARM
HD	HEAT DETECTOR
	RETURN AIR REGISTER
	SUPPLY AIR DIFFUSER (CEILING OR FLOOR)
	EXHAUST FAN
M	GARAGE DOOR OPERATOR
	ATTIC PULL DOWN STAIR - PROVIDE SECURE ACCESS (NO PULL STRING) INSULATED AND WEATHERSTIPPED

EXTERIOR MATERIALS

SIDING

FIBER CEMENT (HARDIE BOARD) SIDING IN VARYING CONFIGURATIONS AND COLORS
SEE EXTERIOR ELEVATION DRAWINGS INCLUDING LAP SIDING, BOARD AND BATTEN SIDING

PROVIDE SOFFIT AND TRIM BOARDS IN SAME MATERIAL

ROOFING

COMPOSITION ASPHALT SHINGLE ROOF
30 YEAR WARRANTY
INCLUDE DRIP EDGE
RIDGE VENT
SYNTHETIC UNDERLAYMENT

2 PROVIDE K-STYLE ALUMINUM GUTTERS, DOWNSPOUTS, AND SPLASHPADS, TYP.

COLUMNS & BRACKETS

INTEX MILLWORK SOLUTIONS
SEE DETAILS

UNIT FLOOR PLAN LEGEND

	DUPLEX RECEPTACLE
WP	WEATHER-PROOF DUPLEX RECEPTACLE
GFI	DUPLEX RECEPTACLE WITH GROUND FAULT INTERCEPTOR
	CABLE TV/ INTERNET SERVICE
EP	ELECTRICAL PANEL
DB	DOOR BELL (NEST)
T	THERMOSTAT (NEST)
$	LIGHT SWITCH
$GD	GARAGE DOOR OPENER

DESIGN DEVELOPMENT
PRELIMINARY - NOT FOR CONSTRUCTION

CCR ARCHITECTURE & INTERIORS

SAUSSY FARMS
Port Wentworth , Georgia

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS

#	DESCRIPTION	DATE
2	Revision 2	07-21-20 21

SHEET TITLE:
SCHEDULES AND LEGENDS

SHEET NUMBER:
G001

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.

DESCRIPTION OF UNIT NAMING AND OPTIONS

OVERVIEW:
THIS PACKAGE CONTAINS FIVE UNIT PLANS THAT SHARE A "KIT OF PARTS" FOR CUSTOMIZATION. BASIC UNITS ARE AS FOLLOWS:
- ONE STORY 1 BEDROOM / 1 BATHROOM
- ONE STORY 2 BEDROOM / 2 BATHROOM
- ONE STORY 3 BEDROOM / 2 BATHROOM
- TWO STORY 1 BEDROOM/ / 1 1/2 BATHROOMS
- TWO STORY 2 BEDROOM / 2 1/2 BATHROOMS

NAMING CONVENTION:
EVERY UNIT CAN BE DESCRIBED WITH AN NINE-CHARACTER CODE CONSISTING

THE FIRST DIGIT INDICATES IF IT IS ONE OR TWO STORY
- "1" INDICATES ONE STORY
- "2" INDICATES TWO STORY

THE SECOND PAIR INDICATES THE NUMBER OF BEDROOMS AND BATHROOMS IN THE UNIT. OPTIONS ARE AS FOLLOWS:
- "11" UNIT WITH 1 BEDROOM AND 1 BATHROOM
- "22" UNIT WITH 2 BEDROOMS AND 2 BATHROOMS
- "32" UNIT WITH 3 BEDROOMS AND 2 BATHROOMS

THE THIRD PAIR REFERS TO GARAGES.
- "G0" NO GARAGE
- "G1" ONE-CAR GARAGE
- "G2" TWO-CAR GARAGE

THE FOURTH PAIR IS FOR PORCHES.
- "P1" AN OFF-CENTER GABLE
- "P2" OFF-CENTER PORCH WITH HIP ROOF
- "P3" SMALL CENTERED GABLE ROOF WITH SIDE PERGOLA
- "P4" LOW COUNTRY-STYLE SHED ROOF WITH PAIRED COLUMNS

COLOR AND MATERIAL (RE: EXTERIOR MATERIAL SHEETS FOR SPECIFICATIONS). THE FIRST DIGIT (EITHER "L" OR "B" INDICATES CLADDING MATERIAL, WHILE THE SECOND DIGIT INDICATES EXTERIOR PAINT COLOR.
- "L_" LAP SIDING
- "B_" BOARD & BATTEN SIDING
- "S_" SHINGLES

A PALETTE OF NINE COLORS HAS BEEN SELECTED FOR USE ON THESE UNITS. THE COLORS (1-9) ARE LISTED BELOW.
- 1 **WHITE**
- 2 **COLOR**
- 3 **COLOR**
- 4 **COLOR**
- 5 **COLOR**
- 6 **COLOR**
- 7 **COLOR**
- 8 **COLOR**
- 9 **COLOR**

THE UNIT CODE FOR THE MOST BASIC, STANDARD UNIT IS AS FOLLOWS:
111 G0 P1 L1
THIS UNIT IS A 1 BEDROOM/ 1 BATHROOM UNIT WITH NO GARAGE, THE STANDARD PORCH OPTION, AND LAP SIDING IN WHITE.

THE FOLLOWING IS AN EXAMPLE OF ANOTHER UNIT CODE:
122 G1 P4 B8
THIS CODE DESCRIBES A ONE STORY 2 BEDROOM/ 2 BATHROOM UNIT WITH A ONE-CAR GARAGE, A LOW-COUNTRY STYLE SHED ROOF FRONT PORCH, ALL CLAD IN BOARD & BATTEN SIDING PAINTED **COLOR**.

PLUMBING SYSTEMS

PROVIDE COMPLETE PLUMBING SYSTEMS INCLUDING THE FOLLOWING

1. FIXTURES:
   A. WATER CLOSETS: FLOOR MOUNT, TANK TYPE, 3" FLAPPERS, ELONGATED BOWLS, ADA HEIGHT, INCLUDING CLOSED FRONT SEATS (EQUAL TO ZURN Z5551-K)
   B. LAVATORIES: 19 X 16 CHINA UNDERMOUNT TYPE (EQUAL TO ZURN Z5220) PRICE PFISTER FAUCET, SUPPLIES, P-TRAP AND WATTS MMVLF THERMOSTATIC MIXING VALVE.
   C. LAVATORY FAUCET: PRICE PFISTER PENN LF-049-PEGS WIDESPREAD TWO HANDLE SET.
   D. TUB SHOWER VALVES TO BE PRESSURE BALANCING MIXING VALVE, FIXED SHOWER HEAD (2.5 GPM) (EQUAL TO SYMMONS ORIGINS SERIES)
   E. TUB SHOWER COMBO: 60" X 32" TUB WITH PREFAB WALL PANELS BY BESTBATH (PROVIDE ALTERNATE PRICE FOR TILE WALLS)
   F. SHOWER: SEE PLAN FOR SIZES, PREFAB W/ WALL PANELS AND FLOOR PAN BY BESTBATH WITH GLASS ENCLOSURE WITH SWING DOOR. (PROVIDE ALTERNATE PRICE FOR SITE BUILT FULL TILE SHOWER PAN AND WALLS)
   G. KITCHEN SINK: KOHLER PROLOGUE 33" X 22" X 9" UNDERMOUNT STAINLESS STEEL K-31466-1-NA. FURNISH WASTE DISPOSER AND DISHWASHER CONNECTION.
   H. KITCHEN FAUCET: KOHLER SIMPLICE SERIES, POLISHED CHROME, K-596-CP.

2. WATER HEATERS:
   FURNISH NON-METALLIC INSULATED TANK FOR FREEZE PROTECTION (RHEEM MARATHON OR EQUAL) WITH EXPANSION TANK, DRAIN PAN AND THERMOSTATIC MIXING VALVE SET FOR 110 DEGREES FA. OUTLET TEMPERATURE. SIZES AS LISTED BELOW:
   ONE BEDROOM: 40 GALLONS, 4.5 KW.
   TWO AND THREE BEDROOM: 50 GALLONS, 4.5 KW.
   LOCATE WATER HEATERS IN ATTIC IN ONE STORY UNITS, IN GARAGE IN TWO STORY UNITS.
   PIPING FOR WATER HEATERS IN ATTIC SPACE SHALL BE COMPLETELY INSULATED AND EQUIPPED WITH HEAT TRACING FOR FREEZE PROTECTION.
   EXTEND P/T RELIEF LINE TO OUTSIDE AND TERMINATE 6" ABOVE GRADE.

3. GRAVITY SANITARY WASTE AND VENT PIPING :
   SCHEDULE 40 PVC-DWV WITH ASTM D2564 SOLVENT CEMENT OR CAST IRON SOIL PIPE WIHT NO-HUB FITTINGS (ABOVE SLAB ONLY).

4. DOMESTIC WATER PIPING:
   TYPE L HARD DRAWN COPPER, ASTM B-88. FITTING SHALL BE WROUGHT COPPER, SOLDER JOINT, ASTM B-75, ANSI B16.22. ALL DOMESTIC WATER PIPING SHALL BE FULLY INSULATED WITH FIBERGLASS PIPE INSULATION. PEX-A TUBING MAY BE SUBSTITUTED FOR COPPER, PROVIDED ALL CODE REQUIREMENTS ARE MET. PEX TUBING MUST BE FULLY INSULATED AND SUPPORTED ON MAX 32" SPACING PER THE IPC. ALL WATER PIPING SHALL BE INSTALLED INSIDE THE BUILDING INSULATING ENVELOPE. WATER PIPING IN ATTIC MUST BE FULLY INSULATED AND HEAT TRACED.

5. REFRIGERATOR ICEMAKER CONNECTION UTILITY BOX:
   SIOUX CHIEF 696-1010MR OR EQUAL.

6. WASHING MACHINE BOX :
   SIOUX CHIEF 696-2313MR OR EQUAL.

7. PROVIDE HOT AND COLD WATER LINE AND DRAIN CONNECTION FOR DISHWASHER.

8. INCLUDE HOSEBIB AT SIDE AND BACK OF EACH UNIT.

MECHANICAL SYSTEMS

PROVIDE COMPLETE HVAC SYSTEMS INCLUDING THE FOLLOWING

1. SPLIT SYSTEMS UTILIZING OUTDOOR ELECTRIC HEAT PUMPS AND INDOOR AIR HANDLING UNITS W/ ELECTRIC SUPPLEMENTAL HEAT. UNITS SHALL BE MANUFACTURED BY GOODMAN OR EQUAL.

2. OUTDOOR HEAT PUMP UNITS SHALL BE RESIDENTIAL GRADE, 14 SEER AND SHALL BE MOUNTED SECURELY ON CONCRETE PADS ADJACENT TO THE BUILDING. PROVIDE HURRICANE HOLD DOWN CLIPS.

NOMINAL COOLING CAPACITIES LISTED BELOW:

ONE STORY
- ONE BEDROOM UNITS: 2 TONS
- TWO BEDROOM UNITS: 3 TONS
- THREE BEDROOM UNITS: 3 TONS

TWO STORY
- ONE BEDROOM: 3 TONS
- TWO BEDROOM: 3.5 TONS

3. INCLUDE INDOOR AIR HANDLING UNITS WITH SUPPLEMENTAL ELECTRIC HEAT SIZED FOR MIN 25 DEGREE FA. TEMPERATURE RISE AT DESIGN AIR FLOW. AIR HANDLING UNITS SHALL BE LOCATED AS FOLLOWS:

ONE STORY
- HORIZONTAL UNIT IN TRUSS SPACE ABOVE CEILING

TWO STORY
- WALL MOUNTED VERTICAL AHU IN GARAGE WITH DAMPER CONTROLS FOR SECOND FLOOR DUCTS.

4. EACH HVAC UNIT SHALL BE CONTROLLED BY PROGRAMMABLE THERMOSTAT WITH 5-2 SCHEDULE AS MANUFACTURED BY NEST.

5. PROVIDE CONDENSATE PIPING TO EXTERIOR.

6. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S INSTRUCTIONS AND SHALL RUN CONCEALED WITHIN WALL CAVITIES, FLOOR JOIST SPACE, AND ATTIC SPACE AS REQUIRED. SUCTION LINES SHALL BE COMPLETELY INSULATED WITH ELASTOMERIC PIPE INSULATION, MIN.R 2.5.

7. SUPPLY AND RETURN DUCTWORK, FIBERGLASS DUCTBOARD WITH ANTIMICROBIAL COATING INSIDE, 1.5" THICK (MIN R5). DUCTWORK INSTALLED IN UNCONDITIONED SPACE (ATTIC, GARAGE) SHALL BE 2" THICK (R8).

8. ROUND FLEXIBLE DUCTS SHALL RUN TO SUPPLY REGISTERS. TYPICAL CEILING REGISTERS SHALL BE US AIRE MODEL LM OR EQUAL. FLOOR REGISTERS FOR SECOND FLOOR OF TWO STORY UNITS SHALL BE US AIRE 1510DX OR EQUAL.

9. CENTRALLY LOCATED CEILING FILTER RETURN GRILLES SHALL BE PROVIDED FOR EACH UNIT (US AIRE 1410F OR EQUAL) PROVIDE RETURN DUCTWORK TO AHU CONNECTION.

10.BATHROOMS SHALL INCLUDE CEILING EXHAUST FAN (GREENHECK SP-B150 OR EQUAL, 70 CFM.) DUCTED TO WALL OR ROOF CAP. FANS SHALL BE CONTROLLED BY WALL SWITCH.

11. DRYER VENT DUCTS SHALL BE MIN 26 GAUGE GALVANIZED STEEL 4" ROUND W/ TAPED JOINTS (NO SCREWS). VENTS SHALL TERMINATE W/ DRYER WALL CAP ON EXTERIOR WALL.

ELECTRICAL SYSTEMS

PROVIDE COMPLETE ELECTRICAL LIGHTING AND POWER DISTRIBUTION SYSTEMS INCLUDING THE FOLLOWING.

1. ALL WORK SHALL BE IN ACCORDANCE WITH NEC, NFPA, IBC, IRC, ANSI/ASHRAE/IESNA STANDARD, ADA ACCESSIBILITY GUIDELINES, GEORGIA AMENDMENTS TO THE IRC, AND LOCAL CODES.

2. ALL EQUIPMENT SHALL MEET UL STANDARDS AND BEAR LABEL.
3. FURNISH AND INSTALL COMPLETE SYSTEMS OF CONDUIT, RACEWAYS, BACKBOARDS, JUNCTIONS AND OUTLET BOXES ETC.
4. SERVICE
   - A. DISTRIBUTION SHALL BE UNDERGROUND TO EACH UNIT.
   - B. SERVICE SHALL BE 120/240 VOLTS, SINGLE PHASE, 3 WIRE.
   - C. SERVICE SIZE ESTIMATED TO BE
     - 1. ONE BEDROOM: 100A
     - 2. TWO AND THREE BEDROOM: 150A.
5. BRANCH CIRCUITS
   - A. HVAC, WATER HEATER, ELECTRIC RANGE, DRYER AND LARGE POWER LOADS: 240V, SINGLE PHASE.
   - B. LIGHTING: 120 V, 1500 WATTS MAX PER CIRCUIT
   - C. RECEPTACLES: 120 V, 1500 WATTS MAX PER CIRCUIT
   - D. OVERCURRENT PROTECTION: MOLDED CASE CIRCUIT BREAKERS
   - E. CIRCUITS:
     - a. TWO 120V, 20A SMALL APPLIANCE BRANCH CIRCUITS FOR KITCHEN FOR COUNTERTOP RECEPTACLES.
     - b. ONE 120V, 20 A CIRCUIT FOR GARBAGE DISPOSER
     - c. ONE 120V, 20 A CIRCUIT FOR DISHWASHER
     - d. ONE 120V, 20 A CIRCUIT FOR LAUNDRY
     - e. ONE 120V, 20 A CIRCUIT FOR EACH BATHROOM
     - f. ONE 120V, 20 A CIRCUIT FOR GARAGE RECEPTACLES
     - g. ALL CIRCUITS TO BE PROTECTED WITH ARC FAULT CIRCUIT INTERRUPTER BREAKERS.
     - h. PROVIDE ADDITIONAL BRANCH CIRCUITS AS REQUIRED FOR CONVENIENCE RECEPTACLES, SPECIAL POWER RECEPTACLES AND HARDWIRED EQUIPMENT AND APPLIANCES.
6. LIGHTING
   - A. PROVIDE ALL LED LIGHT FIXTURES
   - B. SEE LIGHTING LEGEND ON ARCHITECTURAL FOR FIXTURES.
   - C. LIGHTING TO BE CONTROLLED BY DIMMABLE TOGGLE SWITCHES.
7. OUTLETS AND RECEPTACLES
   - A. CONVENIENCE OUTLETS SHOWN ON DRAWINGS
   - B. PROVIDE RECEPTACLES FOR APPLIANCES AS REQUIRED FOR EACH APPLIANCE.
8. AUXILIARY SYSTEMS
   - A. PROVIDE COMPLETE SYSTEMS OF CONDUITS AND PANELS FOR CABLE AND INTERNET SERVICES.
9. **LOW VOLTAGE**
   - **A. PROVIDE KEYLESS ENTRY, SECURITY ALARM, CAMERAS, AV PACKAGE. COORDINATE**
10. COMBINATION SMOKE CARBON MONOXIDE ALARMS
    - **A.** INSTALL ALARMS INSIDE EACH BEDROOM, OUTSIDE EACH SLEEPING AREA AND ON EVERY LEVEL OF DWELLING UNIT.
11. HEAT DETECTORS
    - **A.** INSTALL A HEAT DETECTOR IN GARAGE.

STRUCTURAL SYSTEMS

PROVIDE COMPLETE ENGINEERED SYSTEM BASED ON THE FOLLOWING CRITERIA

1. HURRICANE WIND SPEED IS 137 MPH ULTIMATE AND 117 MPH FOR THE THREE SECOND GUST. DESIGN WIND PRESSURES WILL BE APPROXIMATELY 40 PSF FOR WINDOWS, DOORS AND WALLS.

2. TRUSS LOADS:
   ROOF DL 10 PSF TOP CHORD, DL10 PSF BOTTOM CHORD, LL20 PSF TOP CHORD.
   FLOOR DL 10 PSF TOP CHORD, DL10 PSF BOTTOM CHORD, LL 40 PSF TOP CHORD.

3. CONCRETE FOUNDATIONS
   LOADS:
   ONE STORY BUILDINGS APPROXIMATELY 1000 LB/FT
   TWO STORY BUILDINGS: APPROXIMATELY 1750 LB/FT
   SIZES:
   ONE STORY BUILDINGS MIN 12" WIDE
   TWO STORY BUILDINGS: MIN 15" WIDE
   DEPTH: MIN 12" BELOW UNDISTURBED GROUND SURFACE
   REINFORCING: ONE # 4 TOP AND BOTTOM OF FOOTING.
   SLAB ON GRADE: MIN 4" THICK WITH WWM.

4. HURRICANE WIND LOADS
   SILL PLATE ANCHORS: ANCHOR BOLTS OR MASA ANCHORS AT 48" OC TYPICAL, EXCEPT AT SHEAR WALL PROVIDE AT 24" OC.

   UPLIFT RESISTANCE:
   ONE STORY BUILDINGS: CLP
   TWO STORY BUILDINGS: SIMPSON STRONG TIE HOLD DOWN

   SHEAR WALLS: EXTERIOR WALLS AND DEMISING WALLS 15/32" PLYWOOD OR OSB SHEATHING.

5. ROOF TRUSSES:
   24" O.C., SPAN FRONT TO BACK WITHOUT INTERMEDIATE SUPPORT WITH 5/8" PLYWOOD ROOF SHEATHING. PROVIDE FRT SHEATHING ON 4' EACH SIDE TWO STORY DEMISING WALL.
   PROVIDE PLATFORM IN CENTER AREA FOR EQUIPMENT ..

6. FLOOR TRUSSES:
   16" DEEP AT 24" O.C. SPAN SIDE TO SIDE WITH 23/32" PLYWD FLOOR SHEATHING. PROVIDE CENTER BLOCK OUT FOR DUCT RUN.

7.HEADERS:
   OPENINGS LESS THAN 6' WIDE: DBL 2X8'S
   BETWEEN 6' AND 15' WIDE: TRIPLE 2X8'S
   OVER 15' WIDE: DBL 11 1/4" LVL

8. EXTERIOR WALLS:
   2X6 STUDS AT 16" O.C. WITH 15/32" PLYWD OR OSB SHEATHING.
   HURRICANE ANCHORS AT ALL TRUSSES TO TIE TO WALLS.

9. TWO STORY UNITS:
   SEE BUILDING SECTION FOR SPECIAL ROOF FRAMING CONFIGURATION.

   PROVIDE TIMBER BEAM IN LIEU OF TOP PLATE AT ONE BEDROOM UNITS WHERE UPPER LEVEL FLOOR DOES NOT OCCUR AT OUTSIDE WALL TO PROVIDE BRACING OF WALL.

10. COORDINATE TRUSSES & ALL FRAMING W/ BLOCKOUTS AND ACCESS NEEDED FOR ALL EQUIPMENT.

DESIGN DEVELOPMENT

PRELIMINARY - NOT FOR CONSTRUCTION

CCR ARCHITECTURE & INTERIORS

SAUSSY FARMS
Port Wentworth , Georgia

JOB NUMBER: 20034

DATE: June 4, 2021

PRINTED / REVISIONS

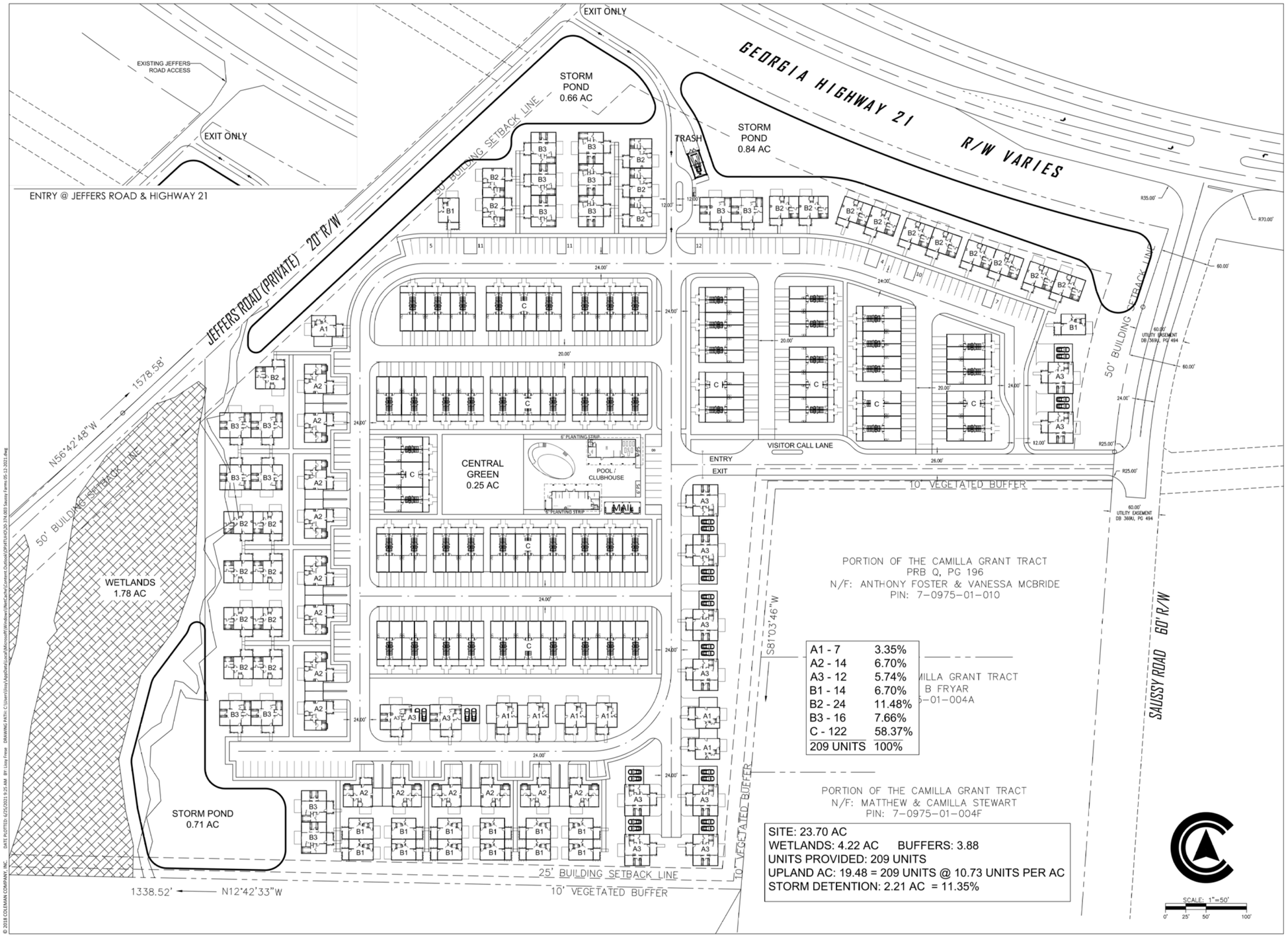
# DESCRIPTION	DATE

SHEET TITLE: DESCRIPTION OF UNIT OPTIONS, MEP AND STRUCURAL SUMMARIES

SHEET NUMBER: G002

7/23/2021 12:57:31 PM
BIM 360://20034 LMS Community Housing/LMSv05_ARCH_R20.rvt
THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)



A1 - 7	3.35%
A2 - 14	6.70%
A3 - 12	5.74%
B1 - 14	6.70%
B2 - 24	11.48%
B3 - 16	7.66%
C - 122	58.37%
209 UNITS	100%

SITE: 23.70 AC
WETLANDS: 4.22 AC BUFFERS: 3.88
UNITS PROVIDED: 209 UNITS
UPLAND AC: 19.48 = 209 UNITS @ 10.73 UNITS PER AC
STORM DETENTION: 2.21 AC = 11.35%

1 SITE LAYOUT
1/64" = 1'-0"

DESIGN DEVELOPMENT
PRELIMINARY - NOT FOR CONSTRUCTION

CCR ARCHITECTURE & INTERIORS

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | CCI-SAV.COM

NOT FOR CONSTRUCTION

SITE PLAN IS CONCEPTUAL IN NATURE AND SUBJECT TO CHANGE UPON FINAL SURVEY AND JURISDICTIONAL INVESTIGATION

REVISIONS:

CONCEPTUAL SITE PLAN
SAUSSY FARMS
LOCATED IN PORT WENTWORTH, GEORGIA

JOB NUMBER: 20-374.003
DATE: 05/12/2021
DRAWN BY: FPGD
CHECKED BY: NPM
SCALE: AS NOTED

GENERAL DEVELOPMENT PLAN

SHEET:
CP1.1

SAUSSY FARMS
Port Wentworth , Georgia

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS

#	DESCRIPTION	DATE
1	Site Plan	06-25-2021

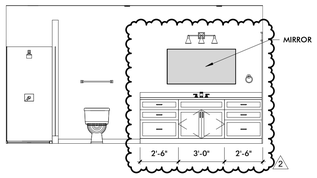
SHEET TITLE:
SITE PLAN

SHEET NUMBER:
A000

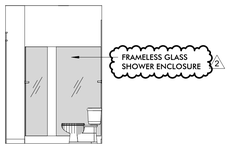
Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

© 2018 COLEMAN COMPANY, INC. DATE PLOTTED: 6/25/2021 9:25 AM BY: Lissy Freese DRAWING PATH: C:\Users\lissy\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\OPHTUHO\20-374.003 Saussy Farms 05-12-2021.dwg

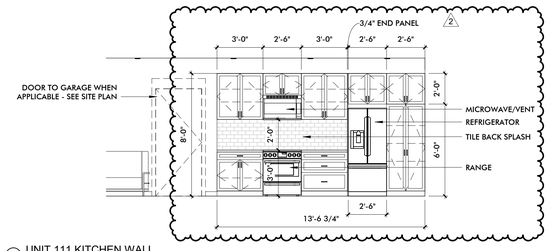
7/23/2021 12:56:11 PM
BIM 360 ... Community Housing\Mdv05_ARCH_R2014
THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.



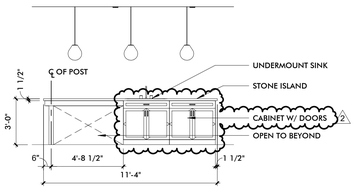
12 UNIT 111 BATHROOM VANITY
1/4" = 1'-0"



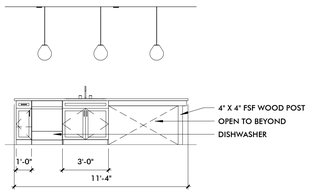
11 UNIT 111 BATHROOM SHOWER
1/4" = 1'-0"



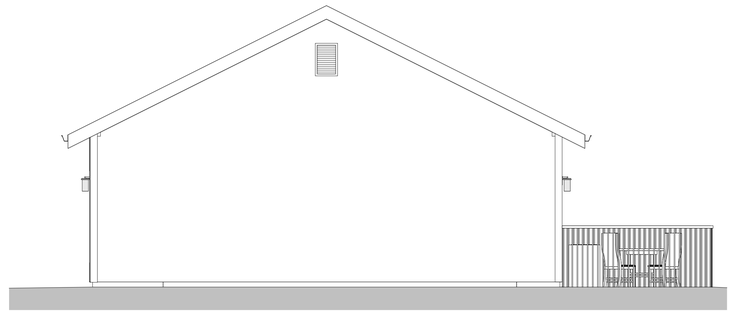
10 UNIT 111 KITCHEN WALL
1/4" = 1'-0"



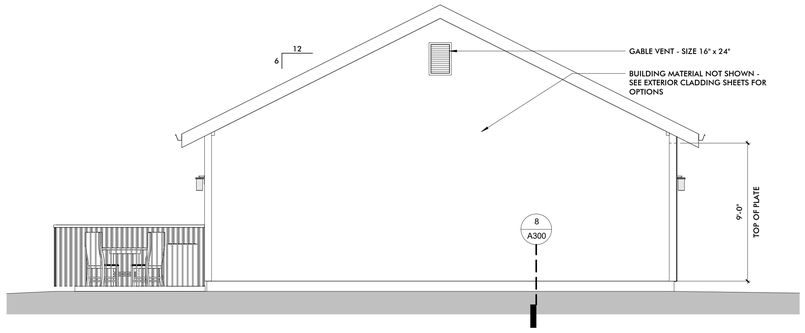
9 UNIT 111 KITCHEN ISLAND
1/4" = 1'-0"



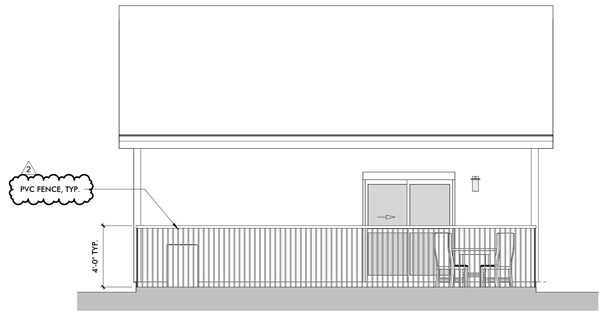
8 UNIT 111 KITCHEN ISLAND @ SINK
1/4" = 1'-0"



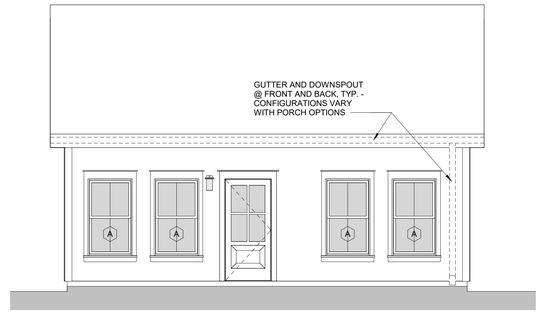
7 1 BED 1 BATH RIGHT ELEVATION
1/4" = 1'-0"



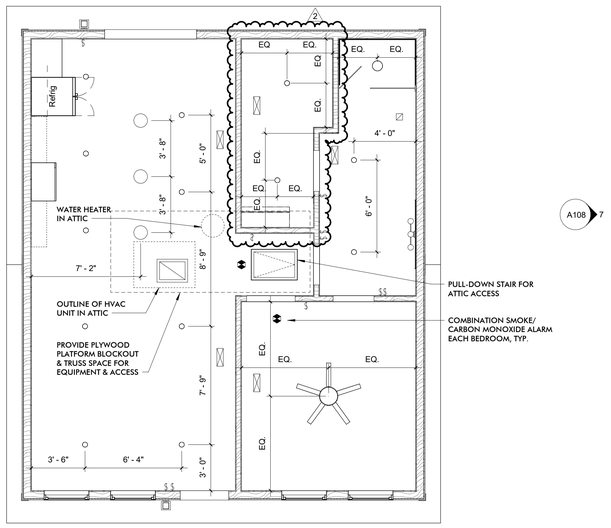
5 1 BED 1 BATH LEFT ELEVATION
1/4" = 1'-0"



6 1 BED 1 BATH REAR ELEVATION
1/4" = 1'-0"

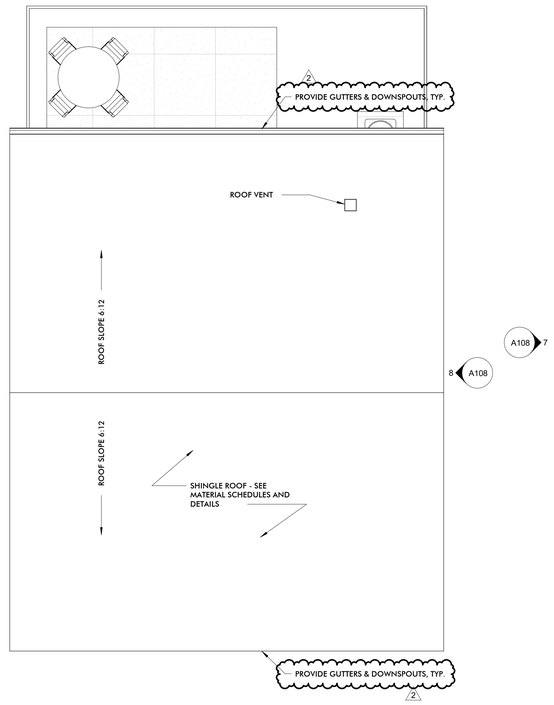


4 1 BED 1 BATH FRONT ELEVATION
1/4" = 1'-0"



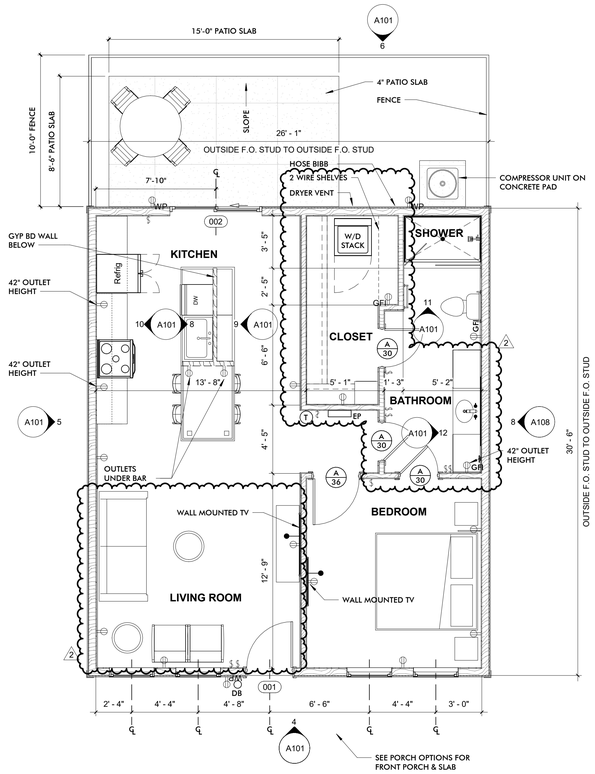
3 1 BED 1 BATH RCP
1/4" = 1'-0"

A108 7



8 A108 7

2 1 BED 1 BATH ROOF PLAN
1/4" = 1'-0"



1 1 BED 1 BATH FLOOR PLAN
1/4" = 1'-0"

807 SF

DESIGN DEVELOPMENT

PRELIMINARY - NOT FOR CONSTRUCTION

CCR ARCHITECTURE & INTERIORS

SAUSSY FARMS

Port Wentworth , Georgia

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS

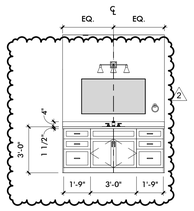
#	DESCRIPTION	DATE
2	Revision 2	07-21-20 21

SHEET TITLE:
UNIT 111

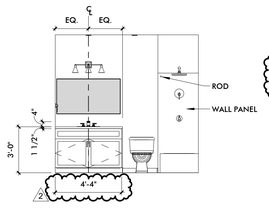
SHEET NUMBER:
A101

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

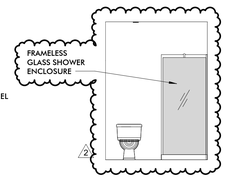
2/2/2021 1:12:56 PM
P:\2020\20034 Saussy Community Housing\Models_ARCH_2021.rvt
THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.



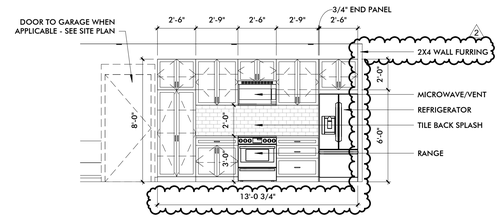
13 UNIT 122 MASTER BATH VANITY
1/4" = 1'-0"



12 UNIT 122 BATH VANITY, TYP.
1/4" = 1'-0"

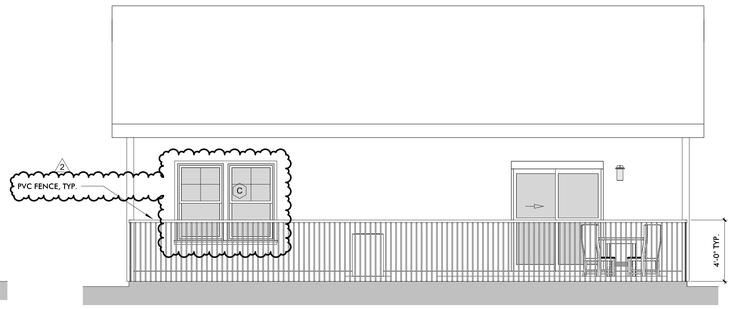


11 UNIT 122 MASTER BATH SHOWER
1/4" = 1'-0"

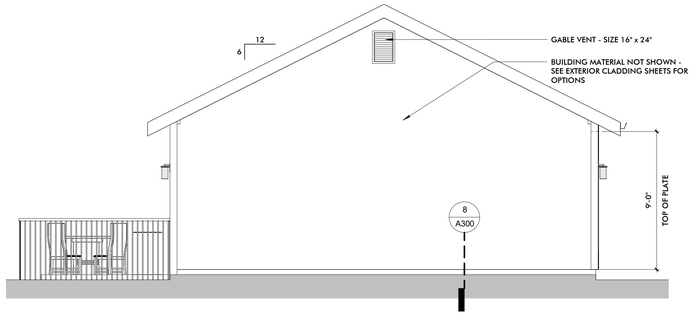


10 UNIT 122 & 132 KITCHEN WALL
1/4" = 1'-0"

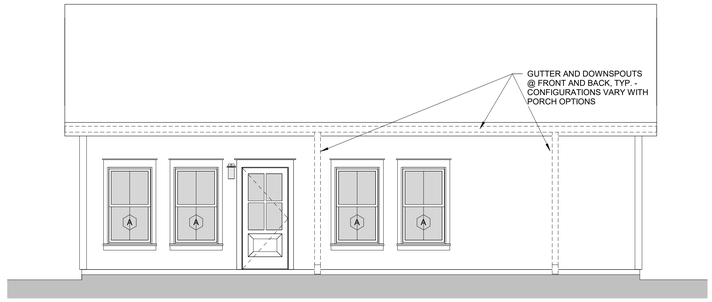
7 2 BED 2 BATH RIGHT ELEVATION
1/4" = 1'-0"



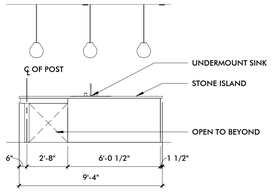
6 2 BED 2 BATH REAR ELEVATION
1/4" = 1'-0"



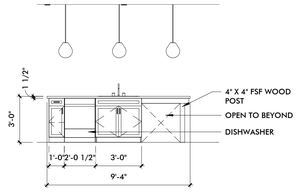
5 2 BED 2 BATH LEFT ELEVATION
1/4" = 1'-0"



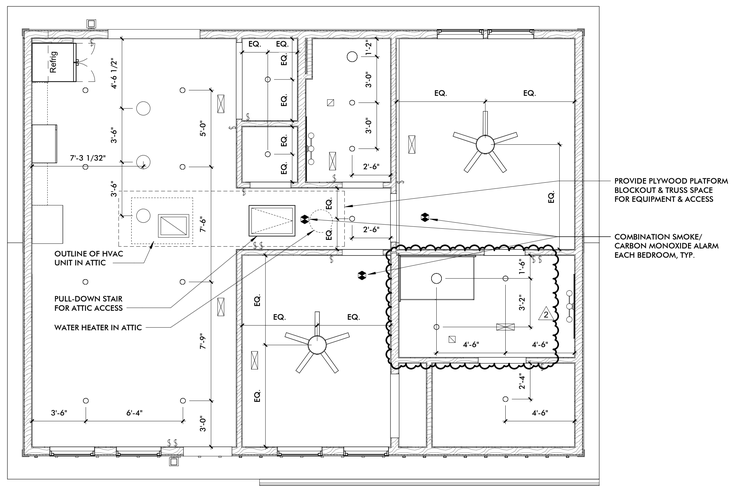
4 2 BED 2 BATH FRONT ELEVATION
1/4" = 1'-0"



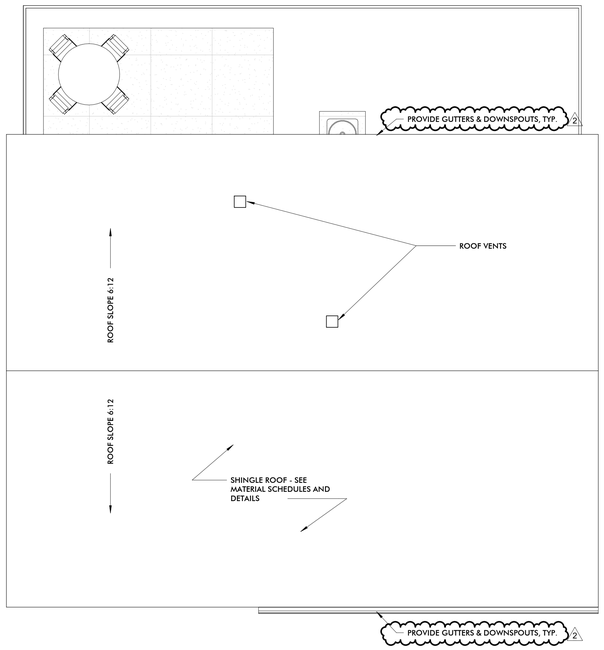
9 UNIT 122 & 132 KITCHEN ISLAND
1/4" = 1'-0"



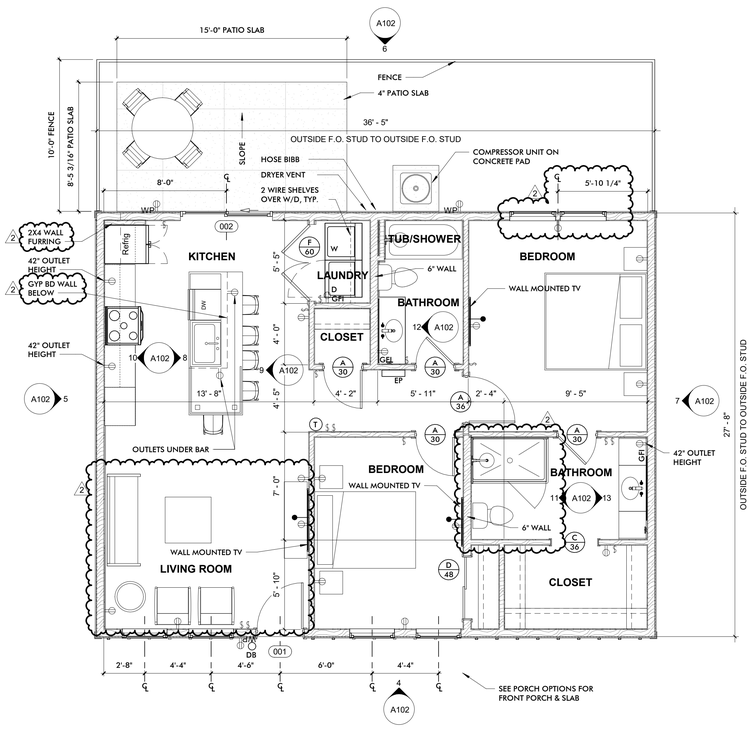
8 UNIT 122 & 132 KITCHEN ISLAND @ SINK
1/4" = 1'-0"



3 2 BED 2 BATH RCP
1/4" = 1'-0"



2 2 BED 2 BATH ROOF PLAN
1/4" = 1'-0"



1 2 BED 2 BATH FLOOR PLAN
1/4" = 1'-0"

1,019 SF

DESIGN DEVELOPMENT

PRELIMINARY - NOT FOR CONSTRUCTION

CCR ARCHITECTURE & INTERIORS

SAUSSY FARMS

Port Wentworth , Georgia

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS

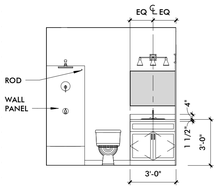
#	DESCRIPTION	DATE
2	Revision 2	07-21-20 21

SHEET TITLE:
UNIT 122

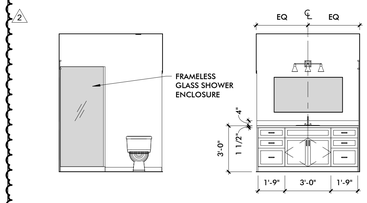
SHEET NUMBER:
A102

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.
8/2/2021 12:04:25 PM
K:\Projects\2020\20034 Community Housing\Mdl\A_ARCH_PCH.rvt

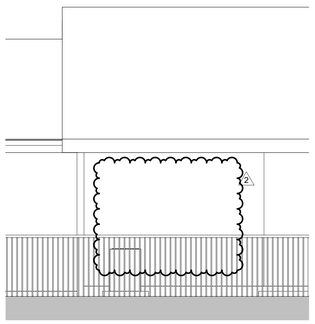


13 UNIT 132 BATH VANITY
1/4" = 1'-0"

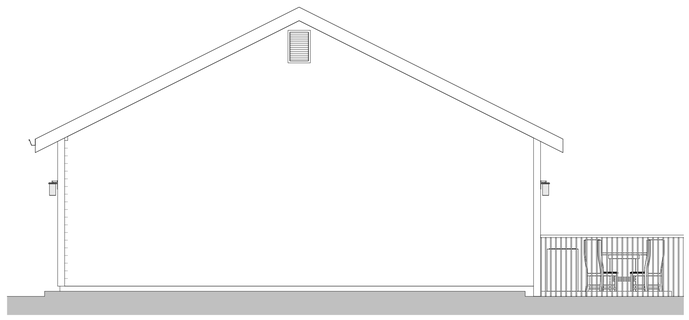


12 UNIT 132 MASTER BATH SHOWER
1/4" = 1'-0"

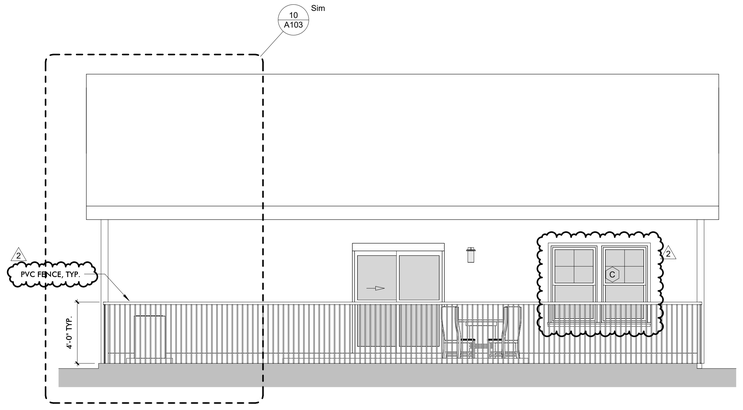
11 UNIT 132 MASTER BATH VANITY
1/4" = 1'-0"



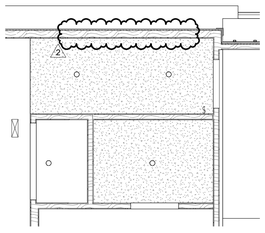
10 3 BED 2 BATH REAR ELEVATION - ALTERNATE FOR GARAGE
1/4" = 1'-0"



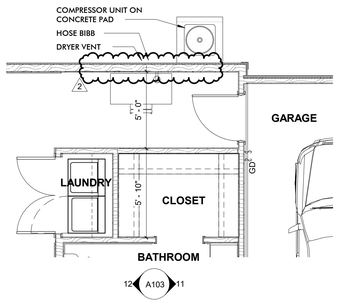
7 3 BED 2 BATH RIGHT ELEVATION
1/4" = 1'-0"



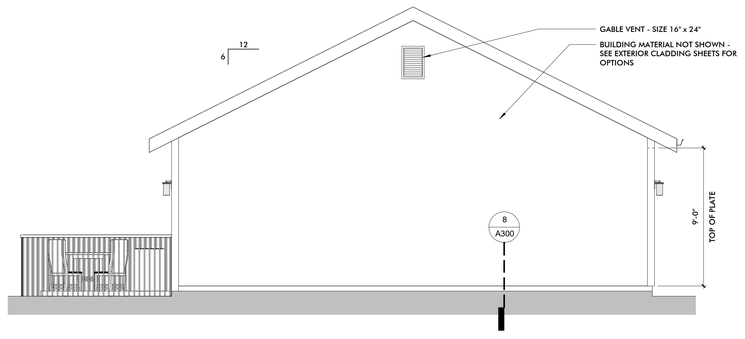
6 3 BED 2 BATH REAR ELEVATION
1/4" = 1'-0"



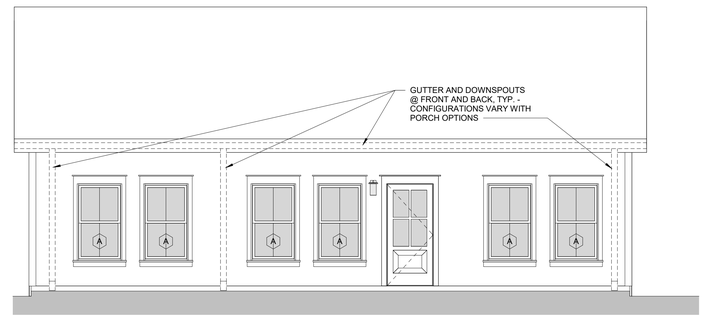
9 3 BED 2 BATH RCP - ALTERNATE FOR GARAGE
1/4" = 1'-0"



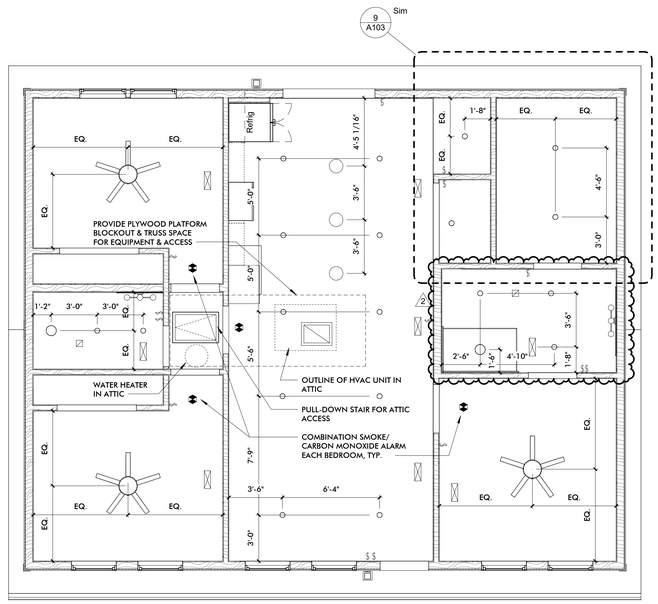
8 3 BED 2 BATH FLOOR PLAN - ALTERNATE FOR GARAGE
1/4" = 1'-0"



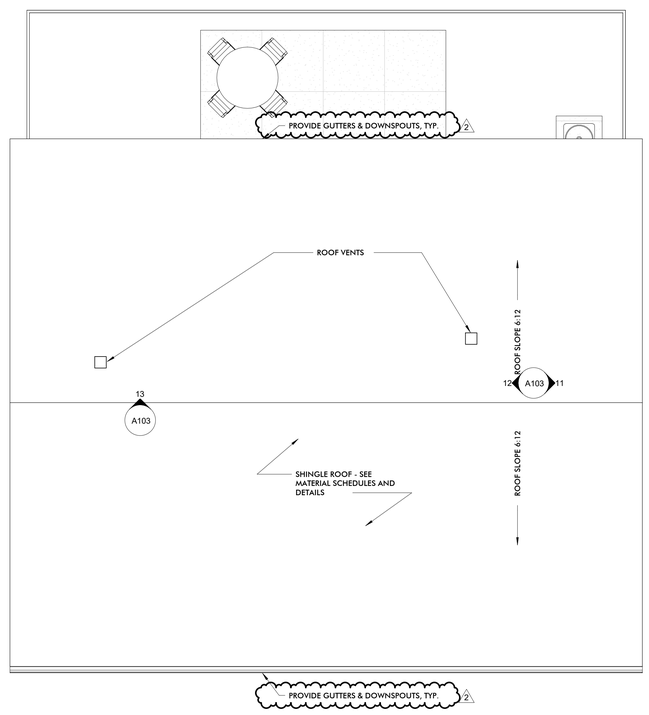
5 3 BED 2 BATH LEFT ELEVATION
1/4" = 1'-0"



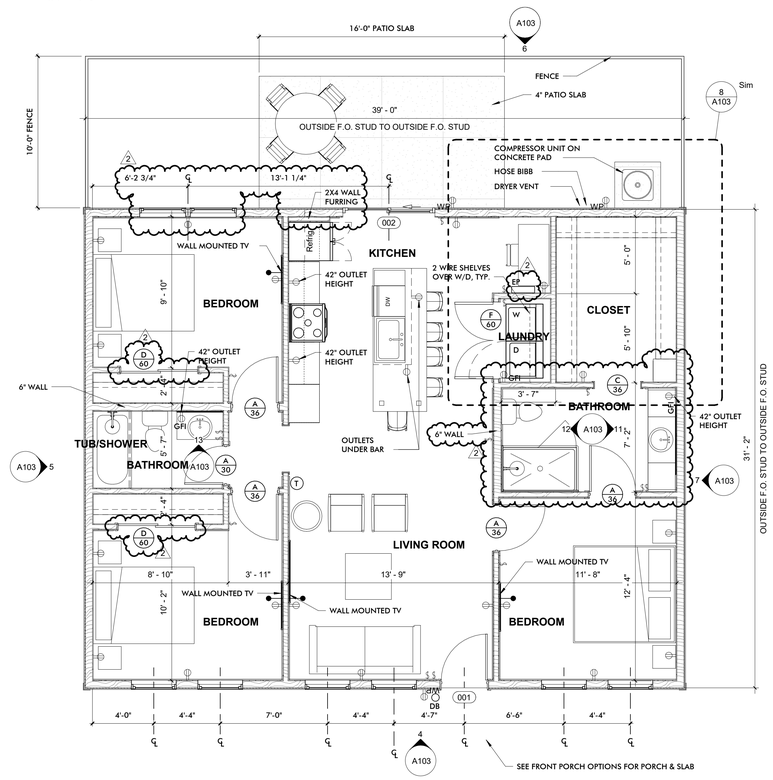
4 3 BED 2 BATH FRONT ELEVATION
1/4" = 1'-0"



3 3 BED 2 BATH RCP
1/4" = 1'-0"



2 3 BED 2 BATH ROOF PLAN
1/4" = 1'-0"



1 3 BED 2 BATH FLOOR PLAN
1/4" = 1'-0"

1,233 SF

DESIGN DEVELOPMENT

PRELIMINARY - NOT FOR CONSTRUCTION

CCR ARCHITECTURE & INTERIORS

SAUSSY FARMS

Port Wentworth , Georgia

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS

#	DESCRIPTION	DATE
2	Revision 2	07-21-20
		21

SHEET TITLE:
UNIT 132

SHEET NUMBER:
A103

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.

12/2/2021 12:56:37 PM
S:\Projects\Community Housing\Models\3BED_RCP.rvt

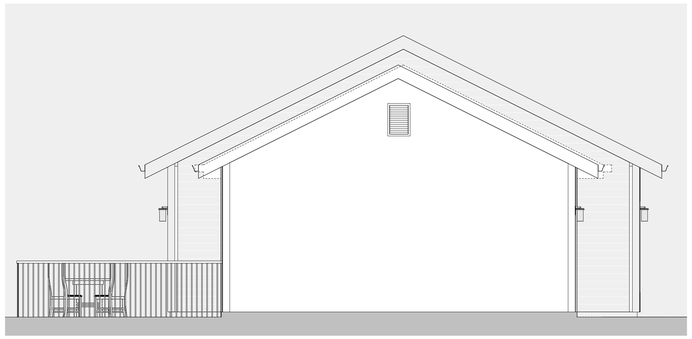
DESIGN DEVELOPMENT

PRELIMINARY - NOT FOR CONSTRUCTION

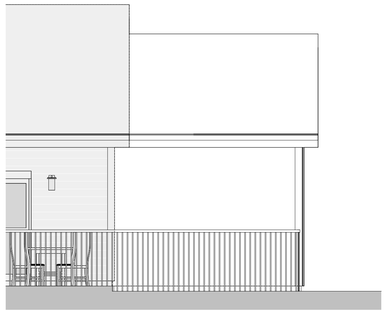
CCR ARCHITECTURE & INTERIORS

SAUSSY FARMS

Port Wentworth , Georgia

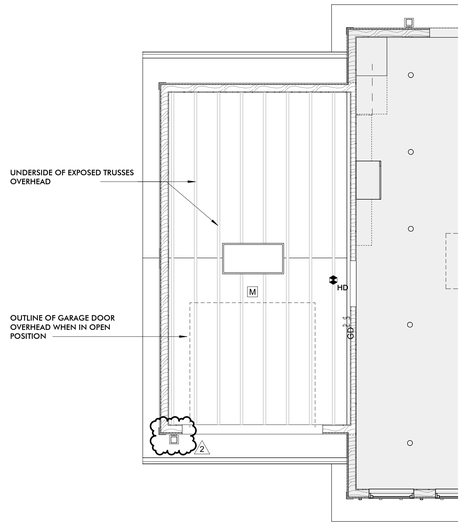


7 G1/G2 SIDE ELEVATION
1/4" = 1'-0"

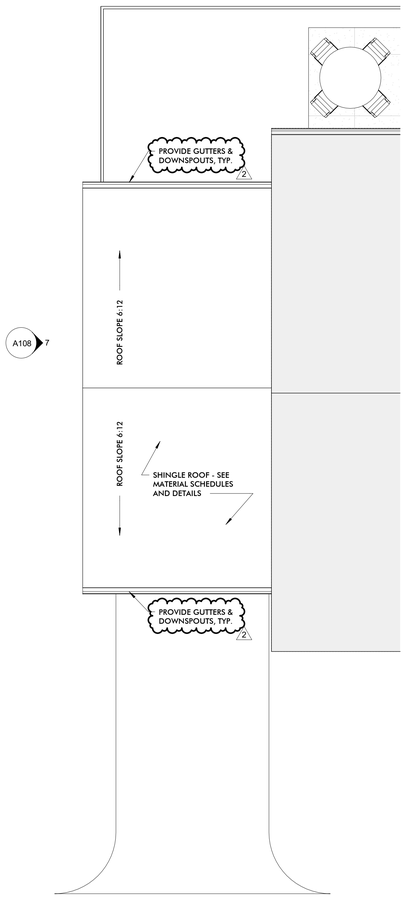


5 G1 REAR ELEVATION
1/4" = 1'-0"

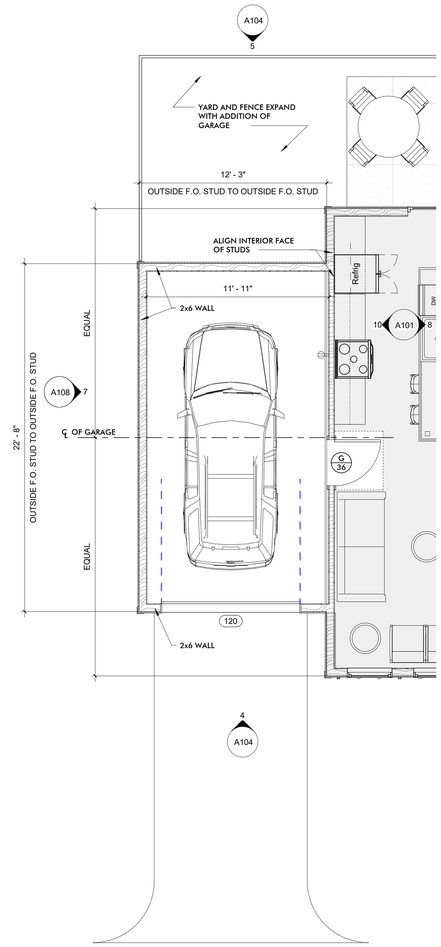
1 G1 FRONT ELEVATION
1/4" = 1'-0"



4 GARAGE G1 RCP
1/4" = 1'-0"



2 GARAGE G1 ROOF PLAN
1/4" = 1'-0"



3 GARAGE G1 FLOOR PLAN
1/4" = 1'-0"

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS

#	DESCRIPTION	DATE
2	Revision 2	07-21-2021

SHEET TITLE:
GARAGE OPTIONS

SHEET NUMBER:
A104

THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.

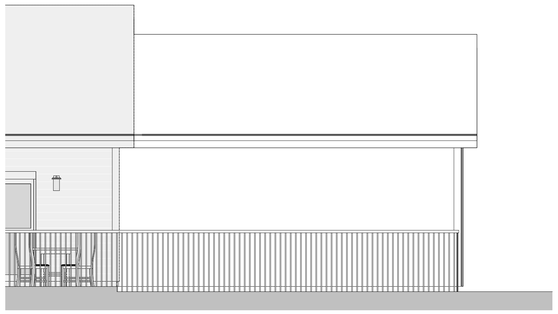
7/2/2021 10:56:16 PM
K:\Projects\2020\20034 Community Housing\Mid-rh_ARCH_R21.rvt

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

DESIGN DEVELOPMENT

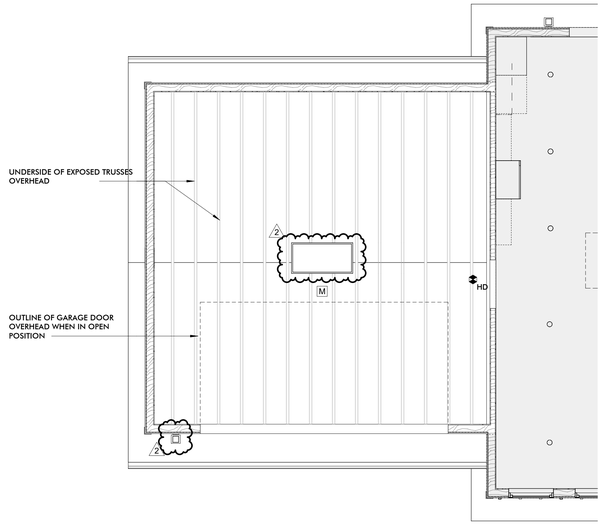
PRELIMINARY - NOT FOR CONSTRUCTION

CCR ARCHITECTURE & INTERIORS

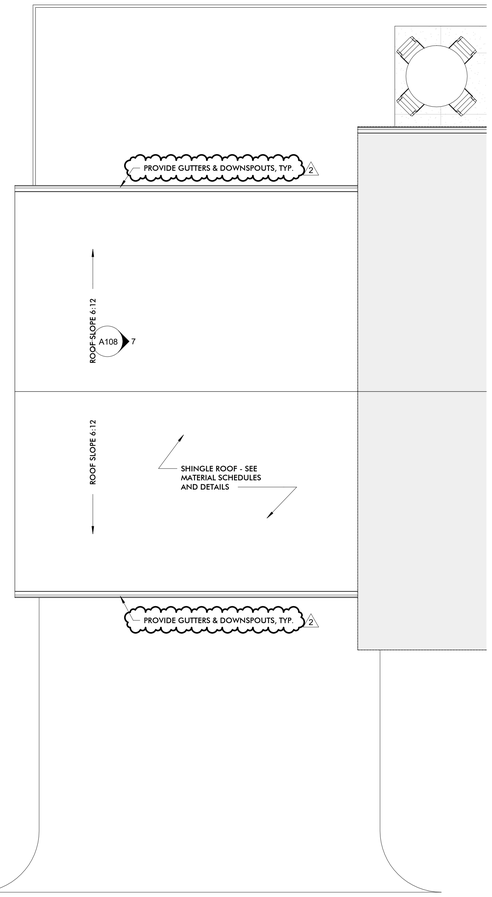


3 G2 REAR ELEVATION
1/4" = 1'-0"

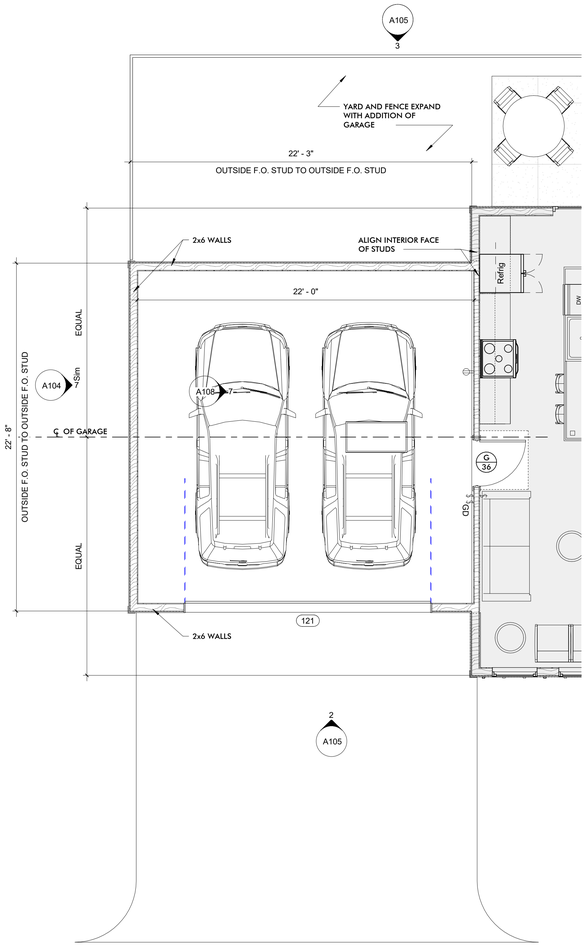
2 G2 FRONT ELEVATION
1/4" = 1'-0"



4 GARAGE G2 RCP
1/4" = 1'-0"



5 GARAGE G2 ROOF PLAN
1/4" = 1'-0"



1 GARAGE G2 FLOOR PLAN
1/4" = 1'-0"

SAUSSY FARMS

Port Wentworth , Georgia

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS

#	DESCRIPTION	DATE
2	Revision 2	07-21-2021

SHEET TITLE:
GARAGE OPTIONS

SHEET NUMBER:
A105

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

7/2/2021 12:56:41 PM
BIM 360://2020 Projects/Community Housing/LMS/v5_ARCH_R20.rvt
THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.

BASIS OF DESIGN - PORCH OPTIONS P1 & P2

INTEX MILLWORK SOLUTIONS

COLUMNS: SOLID CELLULAR PVC COLUMN WRAP

8" FULL PLAIN FLAT PANEL WITH SQUARE BASE

RAILING: HAMPTON SERIES 3 1/2" PEAKED CAPPED RAIL KIT

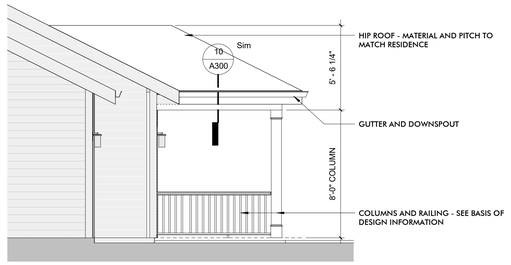
PLAIN 1 1/4" BALUSTERS

5" X 5" POST SLEEVE WITH FLAT CAP, STANDARD BASE

EKENA MILLWORK

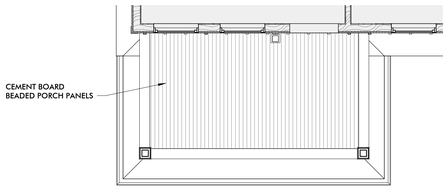
GABLE VENTS: 12" X 24" VERTICAL SURFACE MOUNT PVC GABLE VENT
FUNCTIONAL, W/ 2" W X 1-1/2" P BRICKMOULD FRAME
ITEM NO: GVPVE12X2402SF

16" X 24" VERTICAL SURFACE MOUNT PVC GABLE VENT
FUNCTIONAL, W/ 2" W X 1-1/2" P BRICKMOULD FRAME
ITEM NO: GVPVE16X2402SF

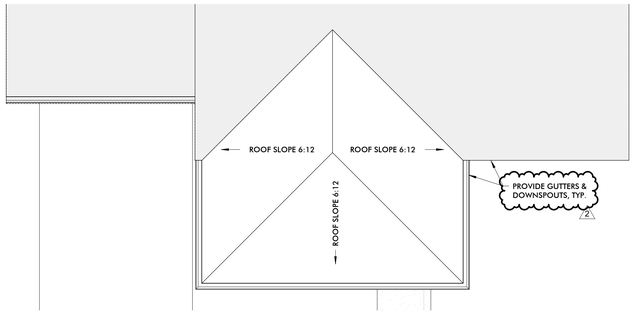


19 PORCH P2 SIDE ELEVATION
1/4" = 1'-0"

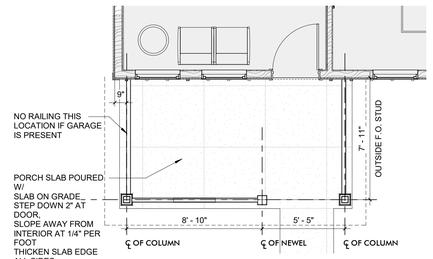
11 PORCH P2 FRONT ELEVATION (11-G1 BEYOND)
1/4" = 1'-0"



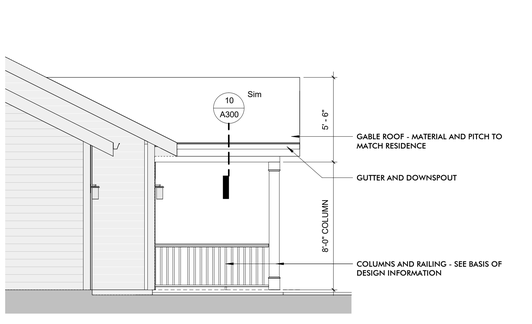
27 PORCH P2 RCP
1/4" = 1'-0"



23 PORCH P2 ROOF PLAN
1/4" = 1'-0"

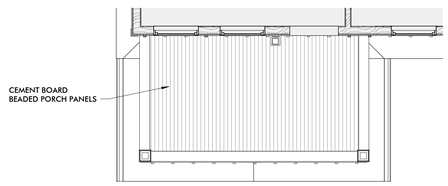


15 PORCH P2 FLOOR PLAN
1/4" = 1'-0"

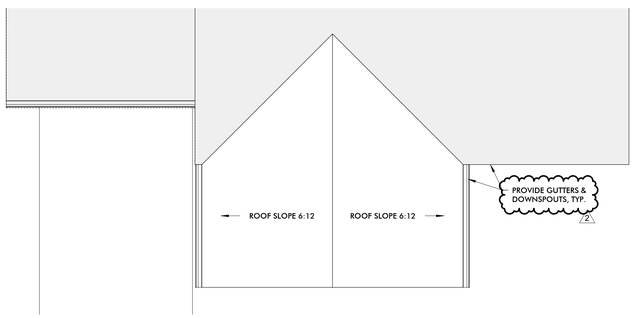


18 PORCH P1 SIDE ELEVATION
1/4" = 1'-0"

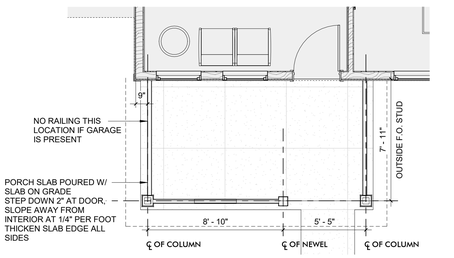
10 PORCH P1 FRONT ELEVATION (11-G1 BEYOND)
1/4" = 1'-0"



26 PORCH P1 RCP
1/4" = 1'-0"



22 PORCH P1 ROOF PLAN
1/4" = 1'-0"



14 PORCH P1 FLOOR PLAN
1/4" = 1'-0"

DESIGN DEVELOPMENT

PRELIMINARY - NOT FOR CONSTRUCTION

CCR ARCHITECTURE & INTERIORS

SAUSSY FARMS

Port Wentworth , Georgia

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS

#	DESCRIPTION	DATE
2	Revision 2	07-21-2021

SHEET TITLE:
PORCH OPTIONS

SHEET NUMBER:
A106

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

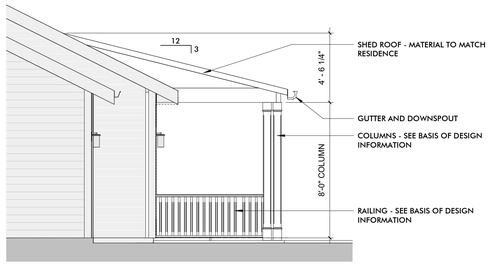
THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.
9/2/2021 12:04:48 PM
C:\Users\jmcdonald\Documents\Community Housing\LMS-R5_ARCH_jfd.rvt

BASIS OF DESIGN - PORCH OPTION P4

INTEX MILLWORK SOLUTIONS

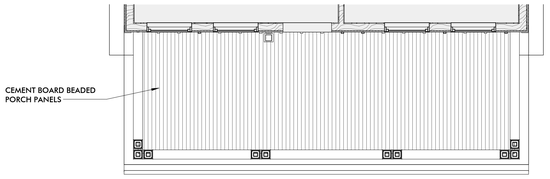
COLUMNS: SOLID CELLULAR PVC COLUMN WRAP
6" FULL CHAMFER FLAT PANEL WITH SQUARE BASE

RAILING: HAMPTON SERIES 3 1/2" PEAKED CAPPED RAIL KIT
CHAMFERED 1 1/4" BALUSTERS

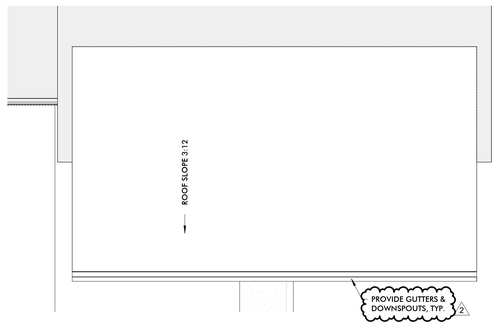


7 PORCH P4 SIDE ELEVATION
1/4" = 1'-0"

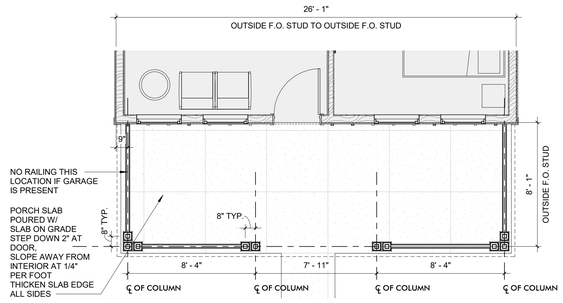
6 PORCH P4 FRONT ELEVATION (11-G1 BEYOND)
1/4" = 1'-0"



10 PORCH P4 RCP
1/4" = 1'-0"



9 PORCH P4 ROOF PLAN
1/4" = 1'-0"



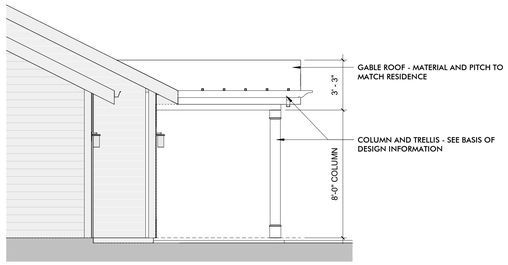
8 PORCH P4 FLOOR PLAN
1/4" = 1'-0"

BASIS OF DESIGN - PORCH OPTION P3

INTEX MILLWORK SOLUTIONS

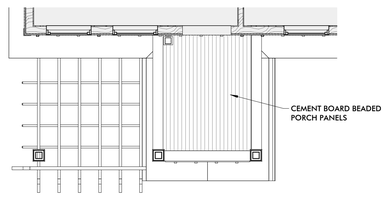
COLUMNS: SOLID CELLULAR PVC COLUMN WRAP
8" FULL PLAIN FLAT PANEL WITH SQUARE BASE

TRELLIS: SOLID CELLULAR PVC "CLASSIC" TRELLIS SYSTEM COMPONENTS
SOLID CELLULAR PVC 2 1/2" X 7 3/16" BEAMS
SOLID CELLULAR PVC 2" X 5 1/2" RAFTERS
SOLID CELLULAR PVC 1/2" X 1 1/2" PURLINS
RAFTERS AND BEAMS WITH TAIL PROFILE PT

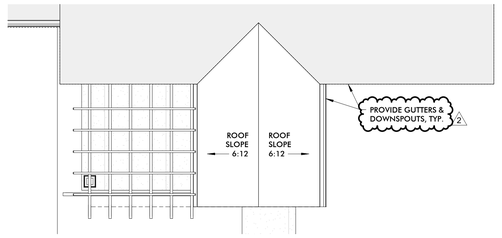


5 PORCH P3 SIDE ELEVATION
1/4" = 1'-0"

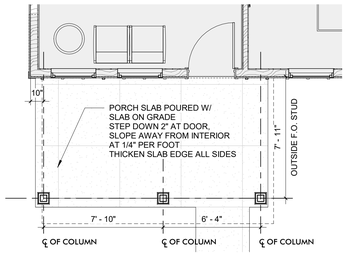
1 PORCH P3 FRONT ELEVATION (11-G1 BEYOND)
1/4" = 1'-0"



4 PORCH P3 RCP
1/4" = 1'-0"



3 PORCH P3 ROOF PLAN
1/4" = 1'-0"



2 PORCH P3 FLOOR PLAN
1/4" = 1'-0"

DESIGN DEVELOPMENT
PRELIMINARY - NOT FOR CONSTRUCTION

CCR ARCHITECTURE & INTERIORS

SAUSSY FARMS
Port Wentworth , Georgia

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS

#	DESCRIPTION	DATE
2	Revision 2	07-21-2021

SHEET TITLE:
PORCH OPTIONS

SHEET NUMBER:
A107

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.
8/2/2021 12:04:55 PM
K:\Projects\2020\20034 Saussy Housing\Mdl\20_A107r1_P2r1.rvt

DESCRIPTION OF UNIT NAMING AND OPTIONS

OVERVIEW:
THIS PACKAGE CONTAINS FIVE UNIT PLANS THAT SHARE A "KIT OF PARTS" FOR CUSTOMIZATION. BASIC UNITS ARE AS FOLLOWS:
- ONE STORY 1 BEDROOM / 1 BATHROOM
- ONE STORY 2 BEDROOM / 2 BATHROOM
- ONE STORY 3 BEDROOM / 2 BATHROOM
- TWO STORY 1 BEDROOM/ / 1 1/2 BATHROOMS
- TWO STORY 2 BEDROOM / 2 1/2 BATHROOMS

NAMING CONVENTION:
EVERY UNIT CAN BE DESCRIBED WITH AN NINE-CHARACTER CODE CONSISTING

THE FIRST DIGIT INDICATES IF IT IS ONE OR TWO STORY
- "1" INDICATES ONE STORY
- "2" INDICATES TWO STORY

THE SECOND PAIR INDICATES THE NUMBER OF BEDROOMS AND BATHROOMS IN THE UNIT. OPTIONS ARE AS FOLLOWS:
- "11" UNIT WITH 1 BEDROOM AND 1 BATHROOM
- "22" UNIT WITH 2 BEDROOMS AND 2 BATHROOMS
- "32" UNIT WITH 3 BEDROOMS AND 2 BATHROOMS

THE THIRD PAIR REFERS TO GARAGES.
- "G0" NO GARAGE
- "G1" ONE-CAR GARAGE
- "G2" TWO-CAR GARAGE

THE FOURTH PAIR IS FOR PORCHES.
- "P1" AN OFF-CENTER GABLE
- "P2" OFF-CENTER PORCH WITH HIP ROOF
- "P3" SMALL CENTERED GABLE ROOF WITH SIDE PERGOLA
- "P4" LOW COUNTRY-STYLE SHED ROOF WITH PAIRED COLUMNS

COLOR AND MATERIAL (RE: EXTERIOR MATERIAL SHEETS FOR SPECIFICATIONS). THE FIRST DIGIT (EITHER "L" OR "B" INDICATES CLADDING MATERIAL, WHILE THE SECOND DIGIT INDICATES EXTERIOR PAINT COLOR.
- "L_" LAP SIDING
- "B_" BOARD & BATTEN SIDING
- "S_" SHINGLES

A PALETTE OF NINE COLORS HAS BEEN SELECTED FOR USE ON THESE UNITS. THE COLORS (1-9) ARE LISTED BELOW.
1. **WHITE**
2. **COLOR**
3. **COLOR**
4. **COLOR**
5. **COLOR**
6. **COLOR**
7. **COLOR**
8. **COLOR**
9. **COLOR**

THE UNIT CODE FOR THE MOST BASIC, STANDARD UNIT IS AS FOLLOWS:
111 G0 P1 L1
THIS UNIT IS A 1 BEDROOM/ 1 BATHROOM UNIT WITH NO GARAGE, THE STANDARD PORCH OPTION, AND LAP SIDING IN WHITE.

THE FOLLOWING IS AN EXAMPLE OF ANOTHER UNIT CODE:
122 G1 P4 B8
THIS CODE DESCRIBES A ONE STORY 2 BEDROOM/ 2 BATHROOM UNIT WITH A ONE-CAR GARAGE, A LOW-COUNTRY STYLE SHED ROOF FRONT PORCH, ALL CLAD IN BOARD & BATTEN SIDING PAINTED **COLOR**.

"B" BOARD & BATTEN SIDING

DESCRIPTION:
VERTICAL WIDE BOARD-STYLE CLADDING WITH NARROW BATTENS AT JOINTS

BASIS OF DESIGN:
HARDIE PANEL VERTICAL SIDING, SMOOTH, PRIMED FOR PAINT W/ HARDIE TRIM BATTEN BOARDS
VERTICAL SIDING PANELS: 48" WIDE PLANKS
BATTENS: 2.5" BATTEN BOARDS SPACED AT 16" O.C. - CONCEAL VERTICAL JOINTS WITH BATTENS

EXTERIOR PAINT COLORS ARE SELECTED FROM OPTIONS LISTED 1-9.

6 1 BED 1 BATH FRONT ELEVATION G1 P3 B
1/4" = 1'-0"

"S" SHINGLES

DESCRIPTION:
HORIZONTAL SHINGLE-STYLE CLADDING

BASIS OF DESIGN:
HARDIE SHINGLE SIDING, 6.976" EXPOSURE, STRAIGHT EDGE PANEL, PRIMED FOR PAINT

EXTERIOR PAINT COLORS ARE SELECTED FROM OPTIONS LISTED 1-9.

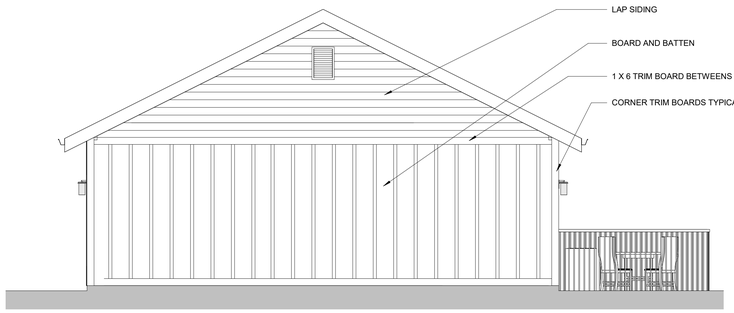
"L" LAP SIDING

DESCRIPTION:
HORIZONTAL SHIPLAP-STYLE CLADDING

BASIS OF DESIGN:
HARDIE PLANK LAP SIDING, 6" PLANK EXPOSURE UNLESS NOTED OTHERWISE, SMOOTH, PRIMED FOR PAINT

EXTERIOR PAINT COLORS ARE SELECTED FROM OPTIONS LISTED 1-9.

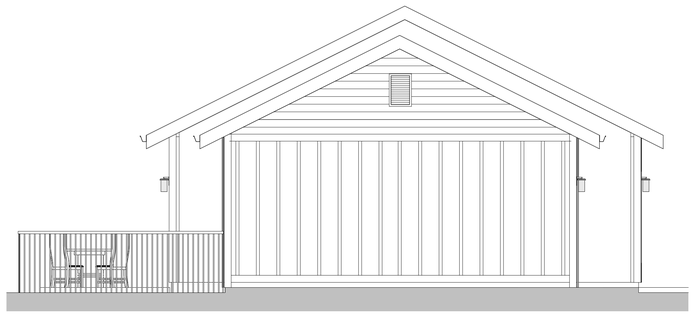
3 1 BED 1 BATH FRONT ELEVATION G0 P3 L
1/4" = 1'-0"



8 1 STORY GABLE END ELEVATION
1/4" = 1'-0"

5 1 BED 1 BATH FRONT ELEVATION G1 P2 B
1/4" = 1'-0"

2 1 BED 1 BATH FRONT ELEVATION G0 P2 L
1/4" = 1'-0"



7 GARAGE GABLE END ELEVATION
1/4" = 1'-0"

4 1 BED 1 BATH FRONT ELEVATION G1 P1 B
1/4" = 1'-0"

1 1 BED 1 BATH FRONT ELEVATION G0 P1 L
1/4" = 1'-0"

DESIGN DEVELOPMENT
PRELIMINARY - NOT FOR CONSTRUCTION

CCR ARCHITECTURE & INTERIORS

SAUSSY FARMS
Port Wentworth , Georgia

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS
#	DESCRIPTION	DATE

SHEET TITLE:
EXTERIOR CLADDING OPTIONS

SHEET NUMBER:
A108

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.

DESCRIPTION OF UNIT NAMING AND OPTIONS

OVERVIEW:
THIS PACKAGE CONTAINS FIVE UNIT PLANS THAT SHARE A "KIT OF PARTS" FOR CUSTOMIZATION. BASIC UNITS ARE AS FOLLOWS:
- ONE STORY 1 BEDROOM / 1 BATHROOM
- ONE STORY 2 BEDROOM / 2 BATHROOM
- ONE STORY 3 BEDROOM / 2 BATHROOM
- TWO STORY 1 BEDROOM/ / 1 1/2 BATHROOMS
- TWO STORY 2 BEDROOM / 2 1/2 BATHROOMS

NAMING CONVENTION:
EVERY UNIT CAN BE DESCRIBED WITH AN NINE-CHARACTER CODE CONSISTING

THE FIRST DIGIT INDICATES IF IT IS ONE OR TWO STORY
- "1" INDICATES ONE STORY
- "2" INDICATES TWO STORY

THE SECOND PAIR INDICATES THE NUMBER OF BEDROOMS AND BATHROOMS IN THE UNIT. OPTIONS ARE AS FOLLOWS:
- "11" UNIT WITH 1 BEDROOM AND 1 BATHROOM
- "22" UNIT WITH 2 BEDROOMS AND 2 BATHROOMS
- "32" UNIT WITH 3 BEDROOMS AND 2 BATHROOMS

THE THIRD PAIR REFERS TO GARAGES.
- "G0" NO GARAGE
- "G1" ONE-CAR GARAGE
- "G2" TWO-CAR GARAGE

THE FOURTH PAIR IS FOR PORCHES.
- "P1" AN OFF-CENTER GABLE
- "P2" OFF-CENTER PORCH WITH HIP ROOF
- "P3" SMALL CENTERED GABLE ROOF WITH SIDE PERGOLA
- "P4" LOW COUNTRY-STYLE SHED ROOF WITH PAIRED COLUMNS

COLOR AND MATERIAL (RE: EXTERIOR MATERIAL SHEETS FOR SPECIFICATIONS). THE FIRST DIGIT (EITHER "L" OR "B" INDICATES CLADDING MATERIAL, WHILE THE SECOND DIGIT INDICATES EXTERIOR PAINT COLOR.
- "L_" LAP SIDING
- "B_" BOARD & BATTEN SIDING
- "S_" SHINGLES

A PALETTE OF NINE COLORS HAS BEEN SELECTED FOR USE ON THESE UNITS. THE COLORS (1-9) ARE LISTED BELOW.
1. **WHITE**
2. **COLOR**
3. **COLOR**
4. **COLOR**
5. **COLOR**
6. **COLOR**
7. **COLOR**
8. **COLOR**
9. **COLOR**

THE UNIT CODE FOR THE MOST BASIC, STANDARD UNIT IS AS FOLLOWS:
111 G0 P1 L1
THIS UNIT IS A 1 BEDROOM/ 1 BATHROOM UNIT WITH NO GARAGE, THE STANDARD PORCH OPTION, AND LAP SIDING IN WHITE.

THE FOLLOWING IS AN EXAMPLE OF ANOTHER UNIT CODE:
122 G1 P4 B8
THIS CODE DESCRIBES A ONE STORY 2 BEDROOM/ 2 BATHROOM UNIT WITH A ONE-CAR GARAGE, A LOW-COUNTRY STYLE SHED ROOF FRONT PORCH, ALL CLAD IN BOARD & BATTEN SIDING PAINTED **COLOR**.

PAIRING CONFIGURATIONS

ALL THREE UNIT TYPES CAN BE BUILT AS STAND ALONE SINGLE FAMILY DETACHED RESIDENCESE OR COMBINED INTO DUPLEXES. GARAGES AND PORCHES CAN BE INCORPORATED AS DESIRED. SEE BELOW FOR A RANDOM ASSORTMENT OF PAIRING OPTIONS .

② UNIT 111 FRONT ELEVATION G0 P3 L WITH ADJACENT UNIT 111 G0 P1 L
1/4" = 1'-0"

① UNIT 111 FRONT ELEVATION G1 P4 L
1/4" = 1'-0"

③ UNIT 111 FRONT ELEVATION G1 P3 B
1/4" = 1'-0"

⑨ UNIT 122 FRONT ELEVATION G1 P1 B
1/4" = 1'-0"

⑥ UNIT 122 FRONT ELEVATION G1 P4 L
1/4" = 1'-0"

⑦ UNIT 132 FRONT ELEVATION G2 P2 L
1/4" = 1'-0"

⑧ UNIT 132 FRONT ELEVATION G2 P3 L
1/4" = 1'-0"

DESIGN DEVELOPMENT

PRELIMINARY - NOT FOR CONSTRUCTION

CCR ARCHITECTURE & INTERIORS

SAUSSY FARMS
Port Wentworth , Georgia

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS

#	DESCRIPTION	DATE

SHEET TITLE:
CONFIGURATION OPTIONS

SHEET NUMBER:
A109

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.
9/2/2021 12:01:05 PM
J:\20034 Saussy Farms\Community Housing\Mstr\S_ARCH_P21.rvt

BASIS OF DESIGN - PORCH OPTION @ CORNER UNIT 211

INTEX MILLWORK SOLUTIONS

COLUMNS:
SOLID CELLULAR PVC FULL CHAMFER FLAT PANEL COLUMN WRAP, MODEL CC68
PLAIN FLAT PANEL, ALL FOUR CORNERS CHAMFERED, WITH 6" SQUARE BASE

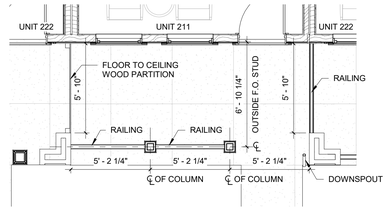
RAILING:
HAMPTON SERIES 3-1/2" PEAKED CAPPED RAIL KIT, MODEL RS40350MPC-6K36
CHAMFERED 1-1/2" BALUSTERS
5"X 5" POST SLEEVE W/ FLAT CAP, STANDARD BASE

BASIS OF DESIGN - PORCH OPTION @ INTERIOR UNIT 211

INTEX MILLWORK SOLUTIONS

COLUMNS:
SOLID CELLULAR PVC FULL PLAIN FLAT PANEL COLUMN WRAP, MODEL CP88
PLAIN FLAT PANEL, WITH 8" SQUARE BASE

RAILING:
HAMPTON SERIES 3-1/2" PEAKED CAPPED RAIL KIT, MODEL RS40350MPC-6K36
PLAIN 1-1/4" BALUSTERS
5"X 5" POST SLEEVE W/ FLAT CAP, STANDARD BASE



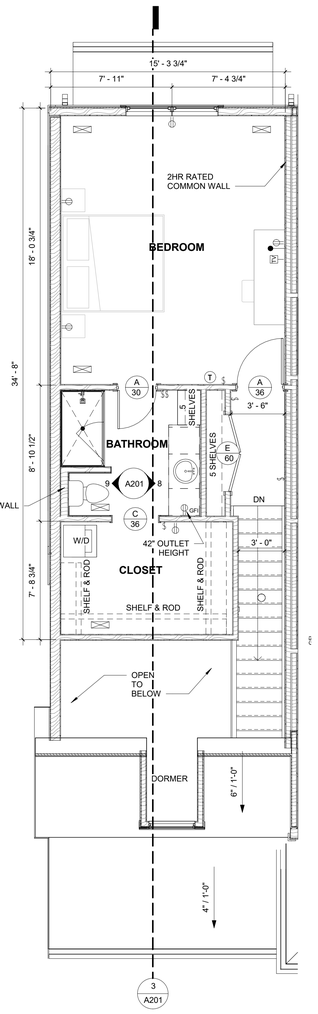
14 PORCH OPTION @ INTERIOR UNIT 211
1/4" = 1'-0"

13 KITCHEN ISLAND WEST
1/4" = 1'-0"

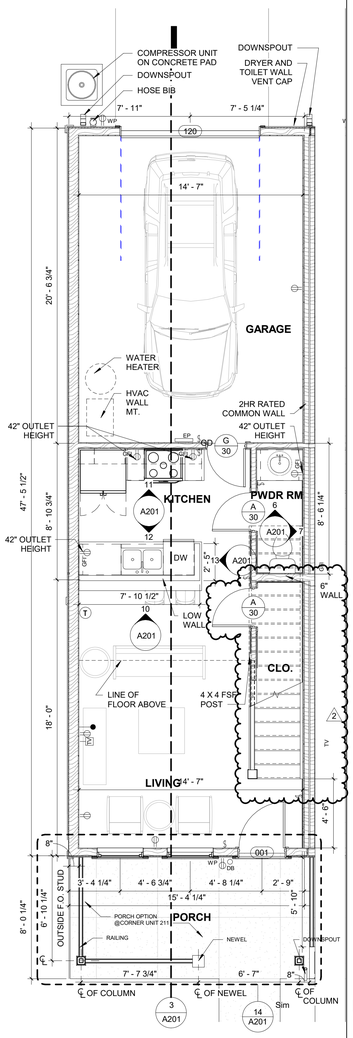
12 KITCHEN SOUTH
1/4" = 1'-0"

11 KITCHEN NORTH
1/4" = 1'-0"

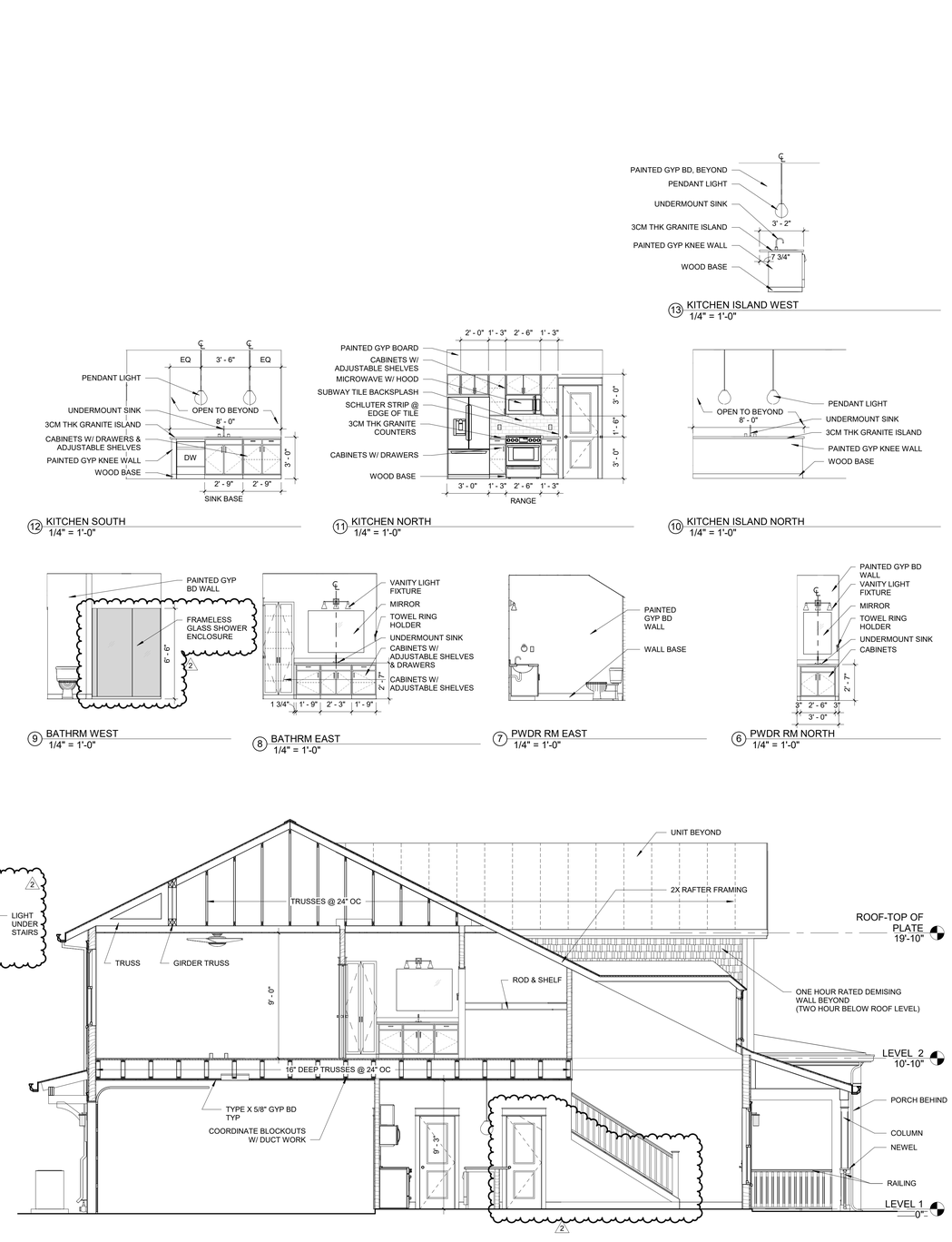
10 KITCHEN ISLAND NORTH
1/4" = 1'-0"



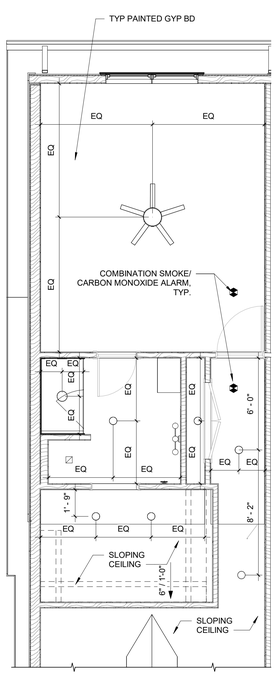
2 FLOOR PLAN-UNIT 211-LVL 2
1/4" = 1'-0"
505 SF



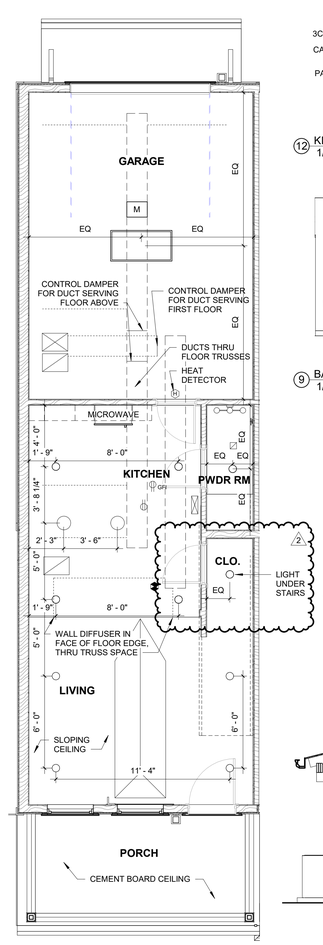
1 FLOOR PLAN-UNIT 211-LVL 1
1/4" = 1'-0"
735 SF



3 SECTION-UNIT 211
1/4" = 1'-0"



5 RCP-UNIT 211-LVL 2
1/4" = 1'-0"



4 RCP-UNIT 211-LVL 1
1/4" = 1'-0"

9 BATHRM WEST
1/4" = 1'-0"

8 BATHRM EAST
1/4" = 1'-0"

7 PWDR RM EAST
1/4" = 1'-0"

6 PWDR RM NORTH
1/4" = 1'-0"

DESIGN DEVELOPMENT

PRELIMINARY - NOT FOR CONSTRUCTION

CCR ARCHITECTURE & INTERIORS

SAUSSY FARMS
PORT WENTWORTH, GEORGIA

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS

#	DESCRIPTION	DATE
2	Revision 2	07/21/20 21

SHEET TITLE:
UNIT 211

SHEET NUMBER:
A201

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.

BASIS OF DESIGN - PORCH OPTION W/O FRONT RAILING @ UNIT 222

INTEX MILLWORK SOLUTIONS

COLUMNS:
SOLID CELLULAR PVC FULL RECESSED PANEL COLUMN WRAP, MODEL CRE109
RECESSED PANEL, WITH 10" SQUARE BASE

PARTITION RAILING:
HAMPTON SERIES 3-1/2" PEAKED CAPPED RAIL KIT, MODEL RS40350MPC-6K36
CHAMFERED 1-1/2" BALUSTERS
5"X 5" POST SLEEVE W/ FLAT CAP, STANDARD BASE

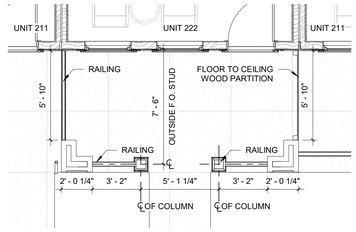
BASIS OF DESIGN - PORCH OPTION W/ FRONT RAILING @ UNIT 222

INTEX MILLWORK SOLUTIONS

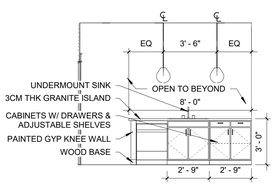
COLUMNS:
SOLID CELLULAR PVC FULL PLAIN FLAT PANEL COLUMN WRAP, MODEL CP88
PLAIN FLAT PANEL, WITH 8" SQUARE BASE

FRONT RAILING:
HAMPTON SERIES 3-1/2" FLAT TOP RAIL KIT, MODEL RS40350F-6K36
HAMPTON DECORATIVE PANEL, "SQUARE WEB", MODEL RS40DP36-3

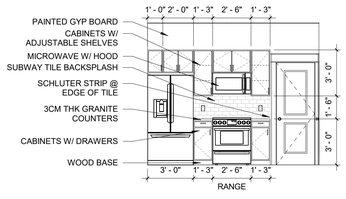
PARTITION RAILING:
HAMPTON SERIES 3-1/2" PEAKED CAPPED RAIL KIT, MODEL RS40350MPC-6K36
CHAMFERED 1-1/2" BALUSTERS
5"X 5" POST SLEEVE W/ FLAT CAP, STANDARD BASE



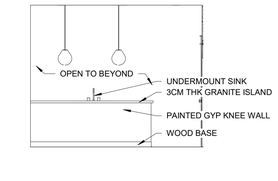
17 PORCH OPTION W/ FRONT RAILING @ UNIT 222
1/4" = 1'-0"



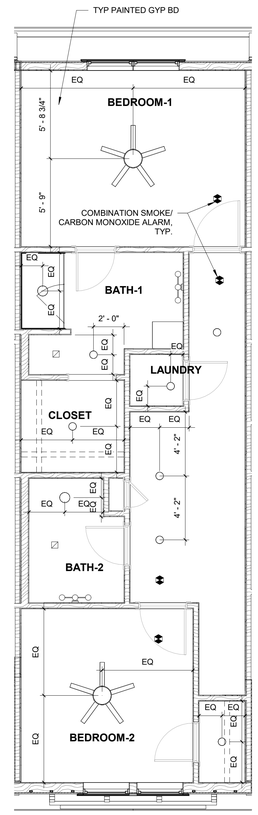
16 KITCHEN SOUTH
1/4" = 1'-0"



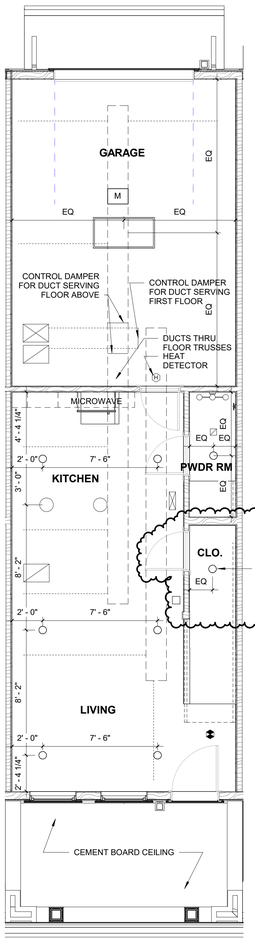
15 KITCHEN NORTH
1/4" = 1'-0"



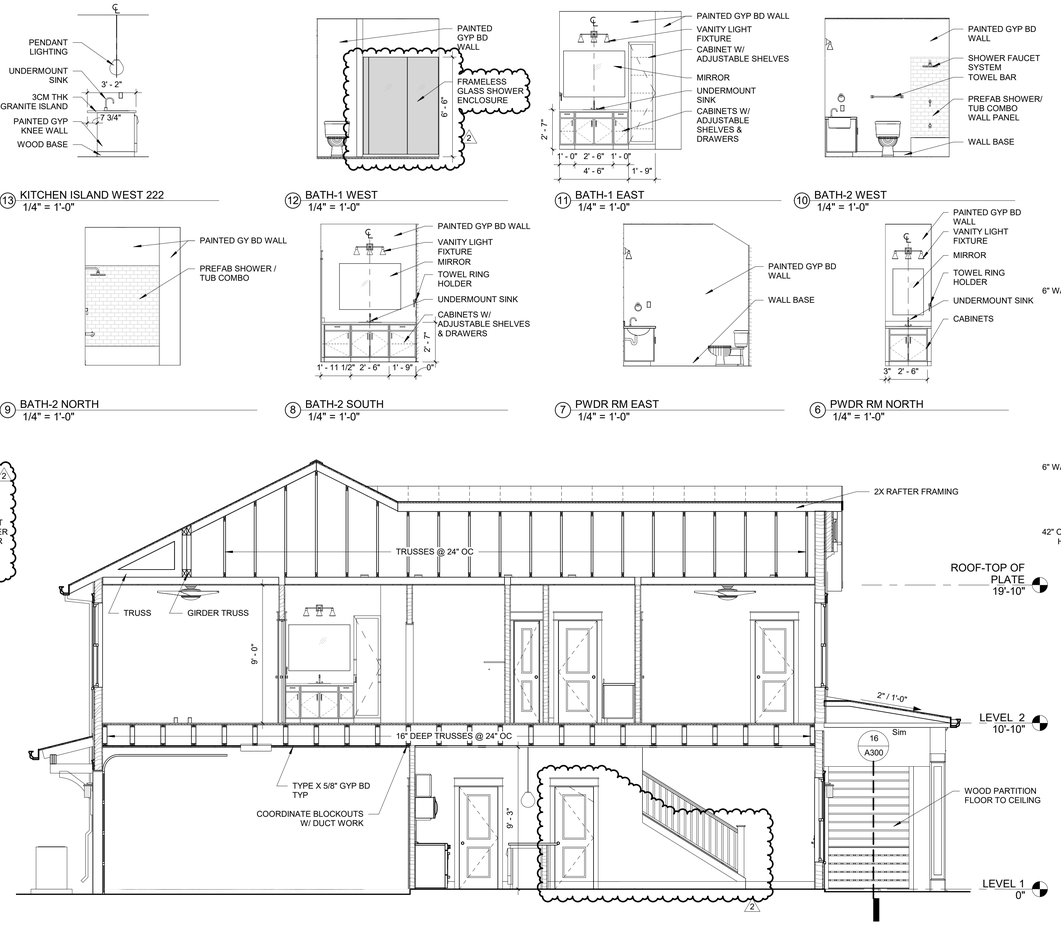
14 KITCHEN ISLAND NORTH
1/4" = 1'-0"



5 RCP-UNIT 222-LVL 2
1/4" = 1'-0"



4 RCP-UNIT 222-LVL 1
1/4" = 1'-0"



3 SECTION-UNIT 222
1/4" = 1'-0"

12 BATH-1 WEST
1/4" = 1'-0"

11 BATH-1 EAST
1/4" = 1'-0"

10 BATH-2 WEST
1/4" = 1'-0"

13 KITCHEN ISLAND WEST 222
1/4" = 1'-0"

12 BATH-1 WEST
1/4" = 1'-0"

11 BATH-1 EAST
1/4" = 1'-0"

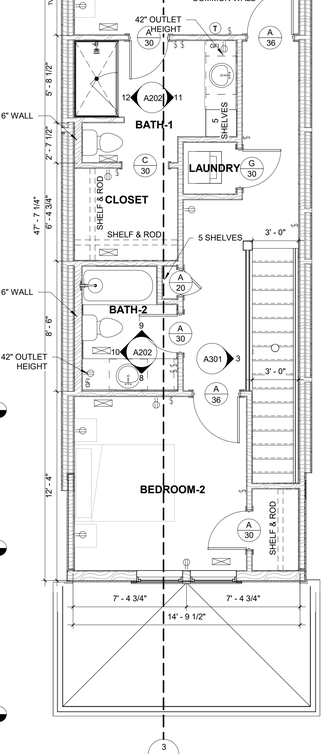
10 BATH-2 WEST
1/4" = 1'-0"

9 BATH-2 NORTH
1/4" = 1'-0"

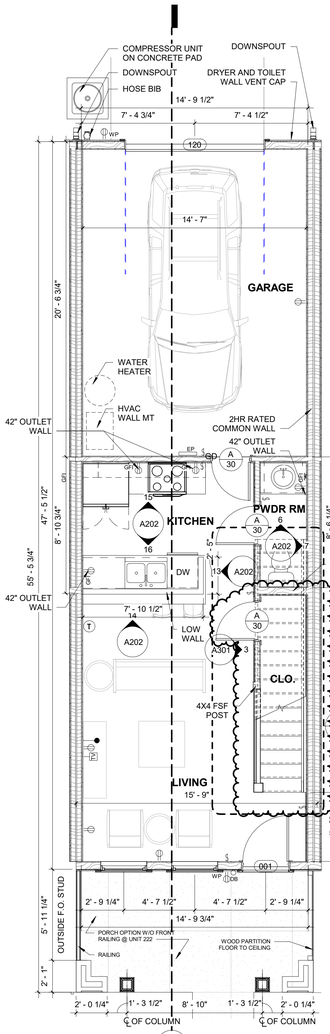
8 BATH-2 SOUTH
1/4" = 1'-0"

7 PWDR RM EAST
1/4" = 1'-0"

6 PWDR RM NORTH
1/4" = 1'-0"



2 FLOOR PLAN-UNIT 222-LVL 2
1/4" = 1'-0"
684 SF



1 FLOOR PLAN-UNIT 222-LVL 1
1/4" = 1'-0"
735 SF

DESIGN DEVELOPMENT
PRELIMINARY - NOT FOR CONSTRUCTION

CCR ARCHITECTURE & INTERIORS

SAUSSY FARMS
PORT WENTWORTH, GEORGIA

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS

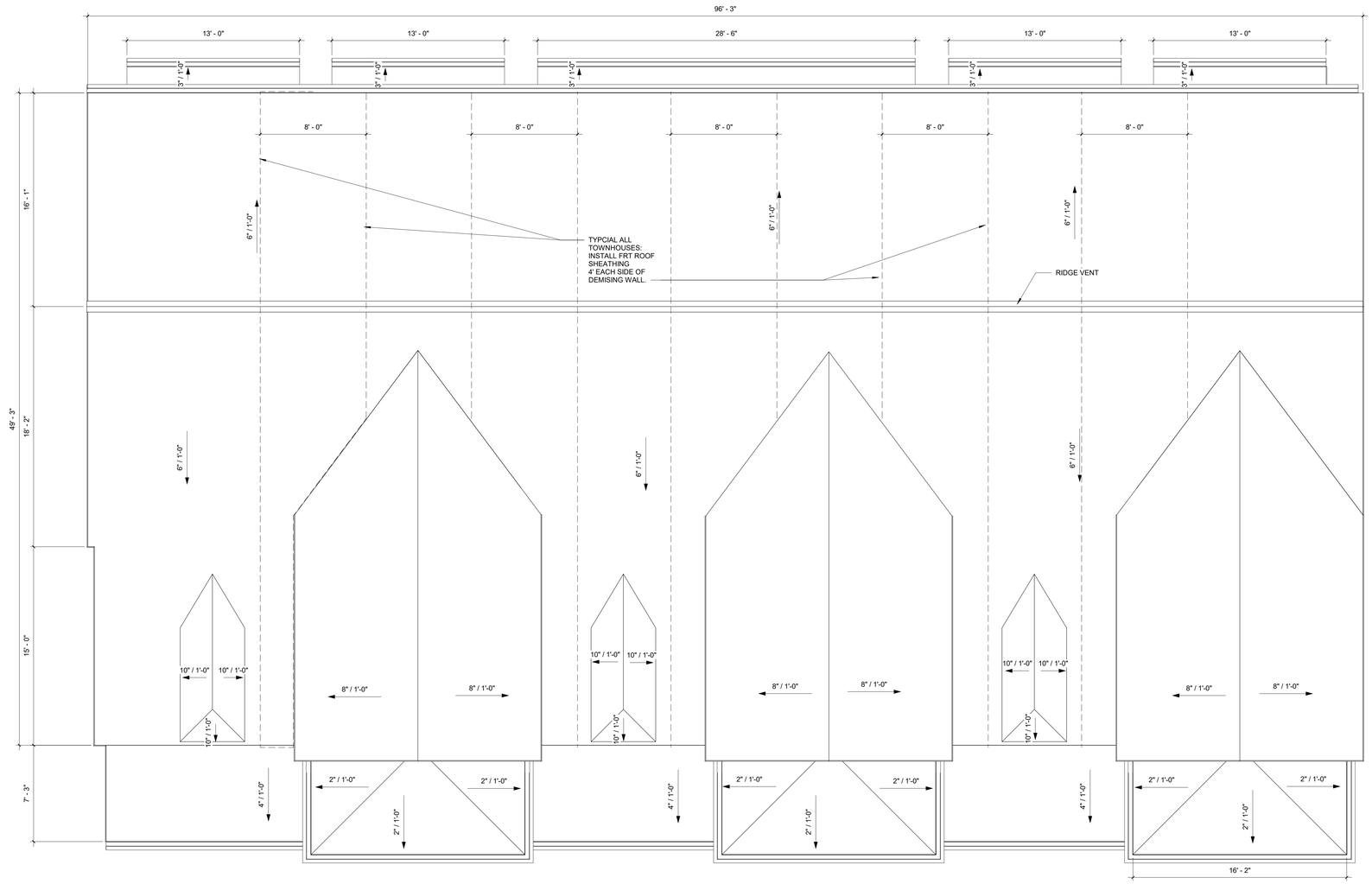
#	DESCRIPTION	DATE
2	Revision 2	07/21/20 21

SHEET TITLE:
UNIT 222

SHEET NUMBER:
A202

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

12/2/2021 7:27:09 PM
C:\Users\Jeff\Documents\Community Housing\AIA\Jeff's_RVT_USE THIS.rvt
THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.



1 ROOF PLAN- 6 UNIT TOWNHOUSE
1/4" = 1'-0"

DESIGN DEVELOPMENT

PRELIMINARY - NOT FOR CONSTRUCTION

CCR ARCHITECTURE & INTERIORS

SAUSSY FARMS

PORT WENTWORTH, GEORGIA

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS

#	DESCRIPTION	DATE

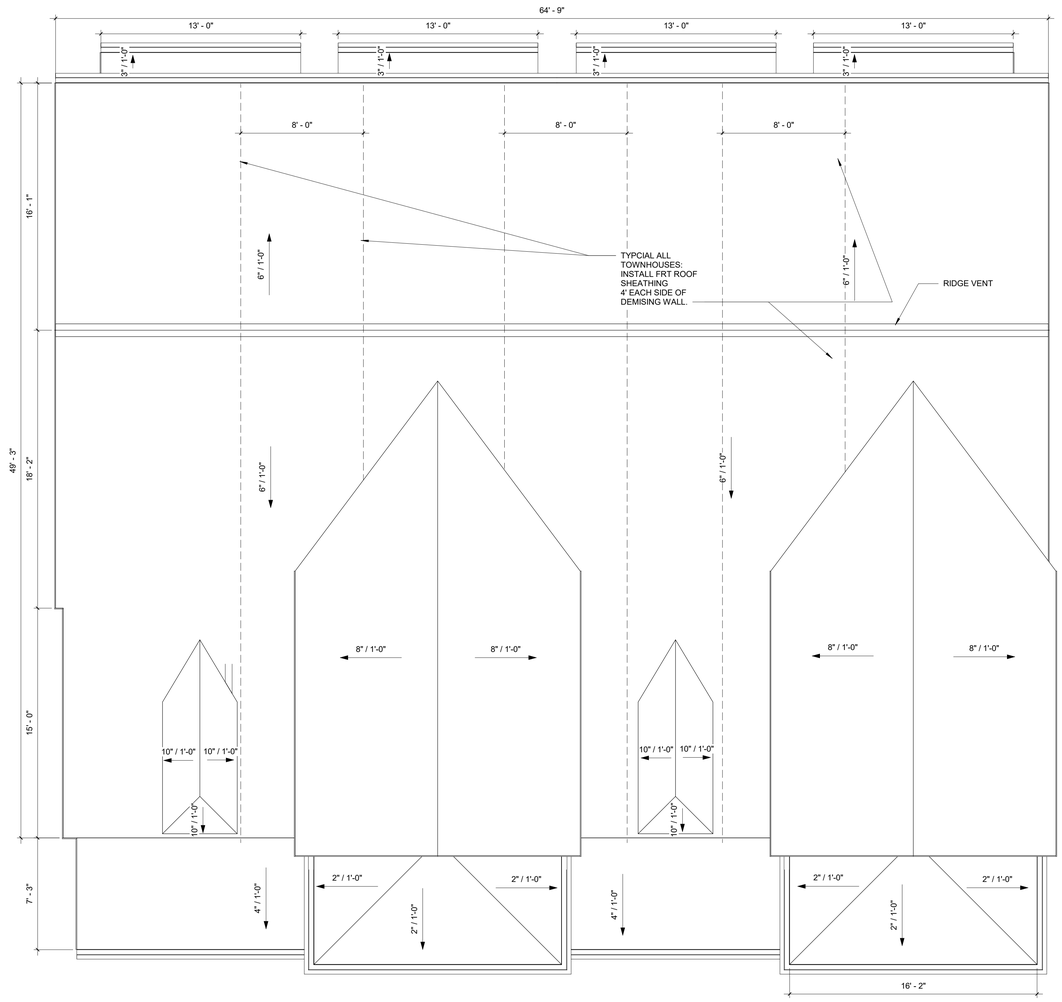
SHEET TITLE:
ROOF PLAN- 6 UNIT TOWNHOUSE

SHEET NUMBER:
A203

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.

12/2/2021 7:27:11 PM
Z:\Projects\20034 Saussy Farms\Community Housing\Arch\Dwgs_RDL USE THIS.rvt



1 ROOF PLAN - 4 UNIT TOWNHOUSE
1/4" = 1'-0"

DESIGN DEVELOPMENT

PRELIMINARY - NOT FOR CONSTRUCTION

CCR ARCHITECTURE & INTERIORS

SAUSSY FARMS

PORT WENTWORTH, GEORGIA

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS

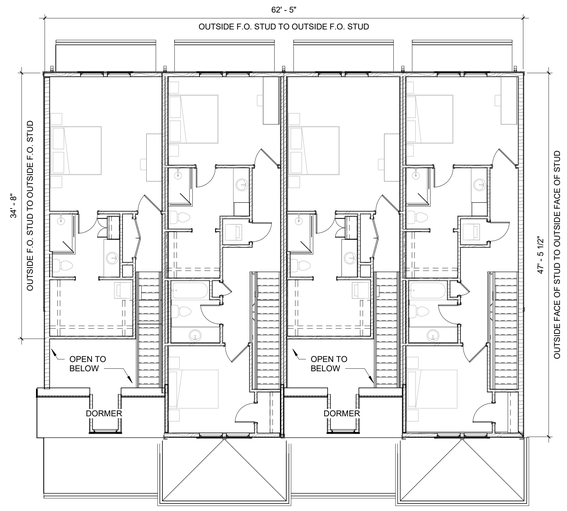
#	DESCRIPTION	DATE

SHEET TITLE:
ROOF PLAN- 4 UNIT TOWNHOUSE

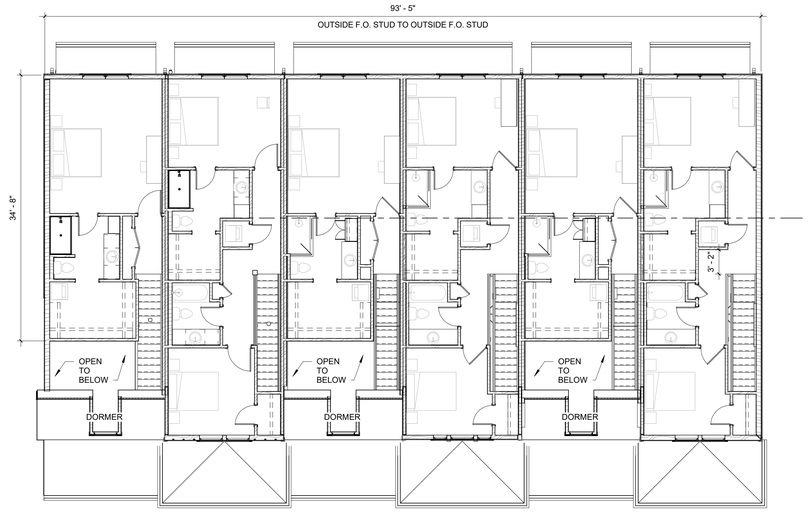
SHEET NUMBER:
A204

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

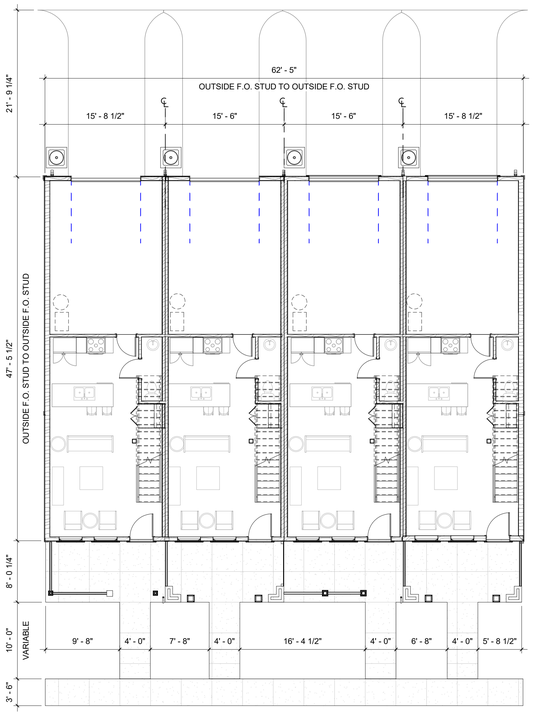
7/2/2021 1:27:13 PM
BIM 360://20034 LMS Community Housing/LMS/Jenny_ROD_USE THIS.rvt
THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.



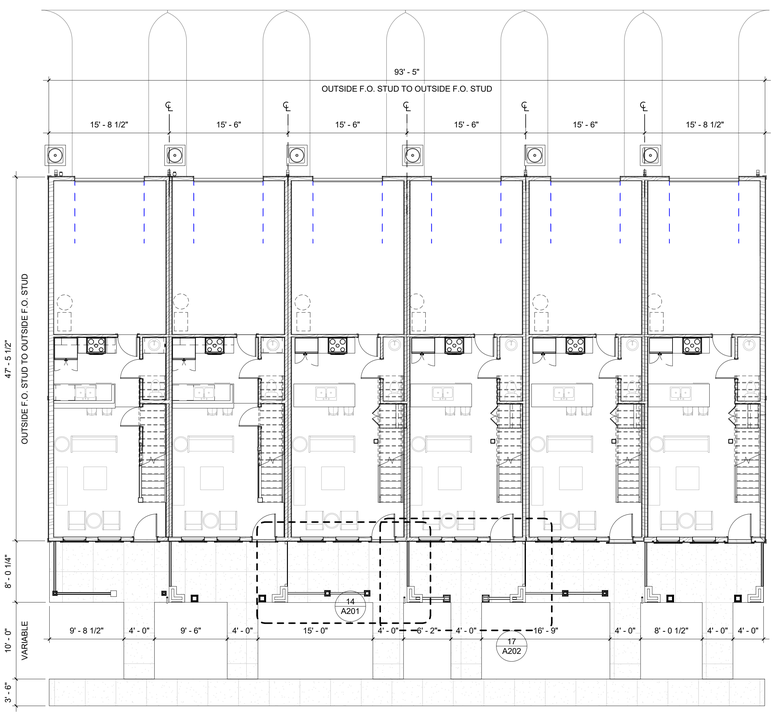
4 FLOOR PLAN-4 UNIT TOWNHOUSE-LVL 2
1/8" = 1'-0"



2 FLOOR PLAN-6 UNIT TOWNHOUSE-LVL 2
1/8" = 1'-0"



3 FLOOR PLAN-4 UNIT TOWNHOUSE-LVL 1
1/8" = 1'-0"



1 FLOOR PLAN-6 UNIT TOWNHOUSE-LVL 1
1/8" = 1'-0"

DESIGN DEVELOPMENT

PRELIMINARY - NOT FOR CONSTRUCTION

CCR ARCHITECTURE & INTERIORS

SAUSSY FARMS

PORT WENTWORTH, GEORGIA

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS

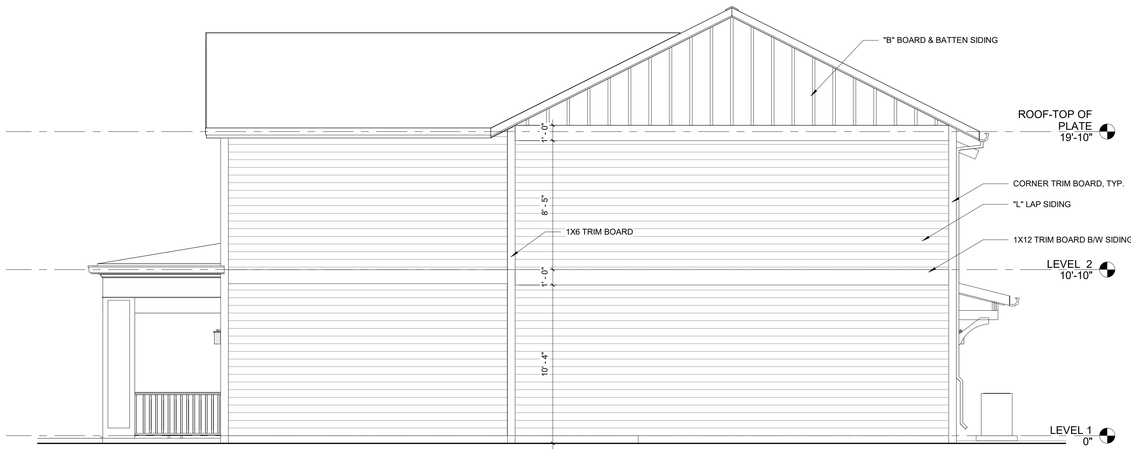
#	DESCRIPTION	DATE

SHEET TITLE:
FLOOR PLAN - 6 UNIT TOWNHOUSE & 4 UNIT TOWNHOUSE

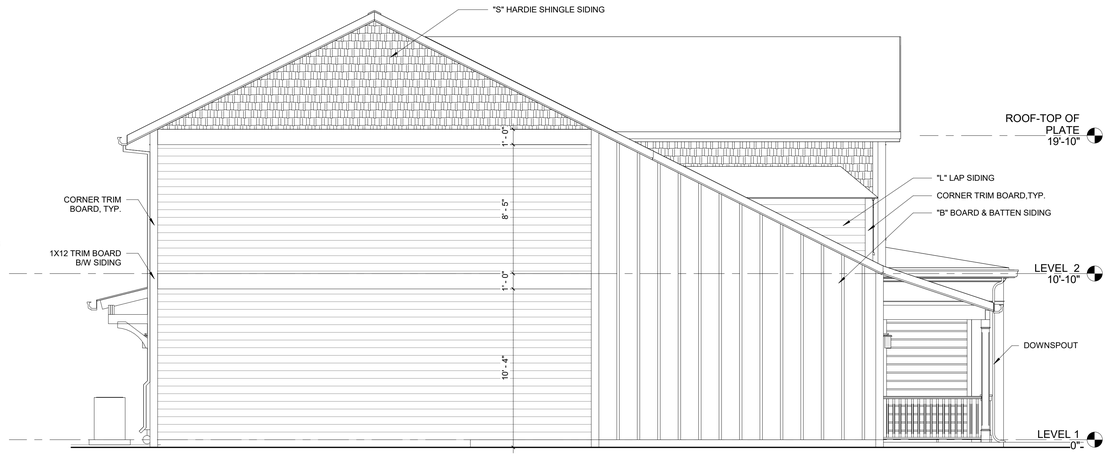
SHEET NUMBER:
A205

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.
5/27/2021 1:27:19 PM
K:\2020\20034 Community Housing\Arch\Saussy_RDL_USE THIS.rvt



4 ELEVATION 6 TOWNHOUSES-EAST
1/4" = 1'-0"



3 ELEVATION 6 TOWNHOUSES-WEST
1/4" = 1'-0"

2 ELEVATION 6 TOWNHOUSES-NORTH
1/4" = 1'-0"

1 ELEVATION 6 TOWNHOUSES-SOUTH-OPTION 'A'
1/4" = 1'-0"

DESIGN DEVELOPMENT

PRELIMINARY - NOT FOR CONSTRUCTION

CCR ARCHITECTURE & INTERIORS

SAUSSY FARMS

PORT WENTWORTH, GEORGIA

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS

#	DESCRIPTION	DATE

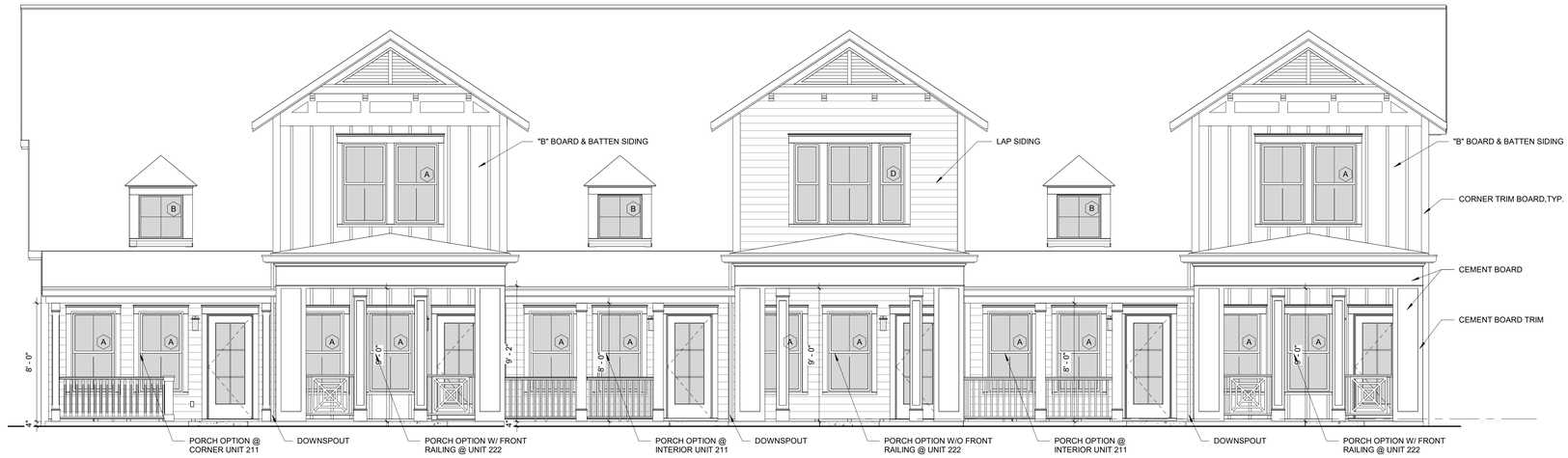
SHEET TITLE:
EXTERIOR ELEVATIONS-6 UNIT TOWNHOUSE

SHEET NUMBER:
A206

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.

3 ELEVATION 6
TOWNHOUSES-SOUTH-OPTION 'D'
1/4" = 1'-0"



2 ELEVATION 6
TOWNHOUSES-SOUTH-OPTION 'C'
1/4" = 1'-0"

1 ELEVATION 6
TOWNHOUSES-SOUTH-OPTION 'B'
1/4" = 1'-0"

DESIGN DEVELOPMENT
PRELIMINARY - NOT FOR CONSTRUCTION

CCR ARCHITECTURE & INTERIORS

SAUSSY FARMS
PORT WENTWORTH, GEORGIA

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS

#	DESCRIPTION	DATE

SHEET TITLE:
EXTERIOR ELEVATIONS-6 UNIT TOWNHOUSE-OPTIONS

SHEET NUMBER:
A207

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

7/2/2021 1:27:32 PM
BIM 360 ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.
THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.

ELEVATION 4
TOWNHOUSES-SOUTH-OPTION 'D'
4 1/4" = 1'-0"

ELEVATION 4
TOWNHOUSES-SOUTH-OPTION 'C'
3 1/4" = 1'-0"

ELEVATION 4
TOWNHOUSES-SOUTH-OPTION 'B'
2 1/4" = 1'-0"

ELEVATION 4
TOWNHOUSES-SOUTH-OPTION 'A'
1 1/4" = 1'-0"

DESIGN DEVELOPMENT

PRELIMINARY - NOT FOR CONSTRUCTION

CCR ARCHITECTURE & INTERIORS

SAUSSY FARMS

PORT WENTWORTH, GEORGIA

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS

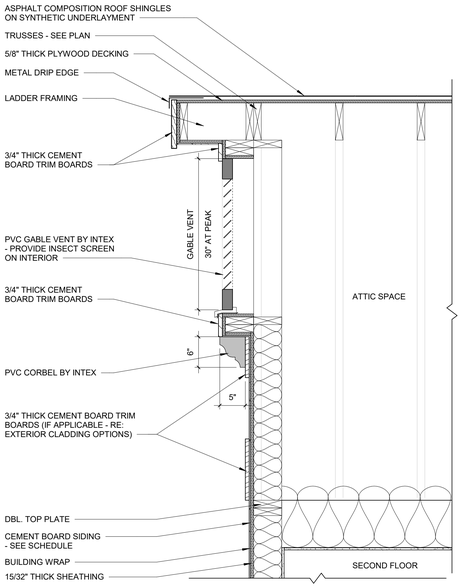
#	DESCRIPTION	DATE

SHEET TITLE:
EXTERIOR ELEVATIONS-4 UNIT TOWNHOUSE-OPTIONS

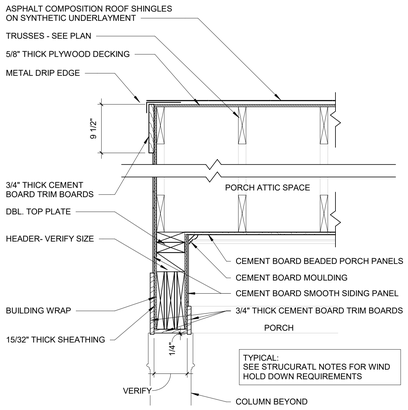
SHEET NUMBER:
A208

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

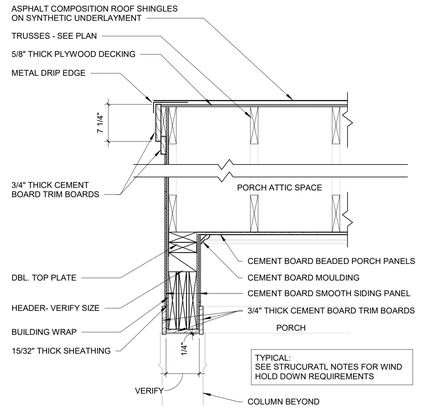
12/2/2021 7:27:41 PM
Community Housing\ARCHdocs_RDL USE THIS.rvt
THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST



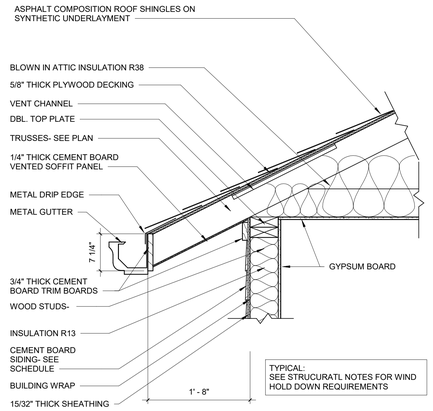
14 EXTERIOR EAVE – GABLE SIDING - TOWNHOUSE
1" = 1'-0"



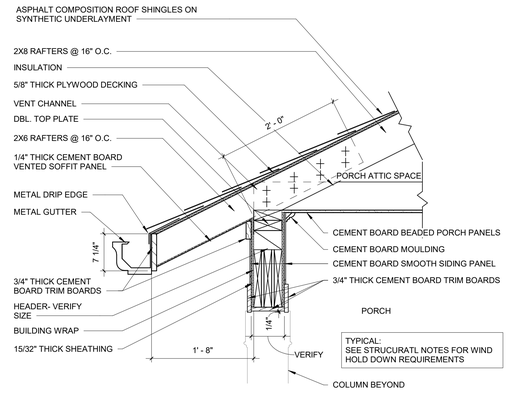
13 EXTERIOR EAVE – GABLE SIDING - P3
1" = 1'-0"



12 EXTERIOR EAVE – GABLE SIDING - P1
1" = 1'-0"



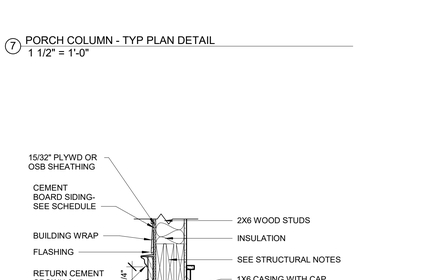
11 EXTERIOR EAVE - TRUSS & SIDING
1" = 1'-0"



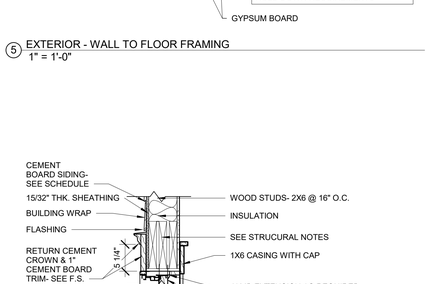
10 EXTERIOR EAVE – RAFTER & PORCH SIDING
1" = 1'-0"

15 EXTERIOR – GARAGE ROOF
1" = 1'-0"

16 TOWNHOUSE PORCH - PARTITION WALL
1" = 1'-0"



7 PORCH COLUMN - TYP PLAN DETAIL
1 1/2" = 1'-0"



5 EXTERIOR - WALL TO FLOOR FRAMING
1" = 1'-0"

3 RATED EXTERIOR PARTITIONS
1" = 1'-0"

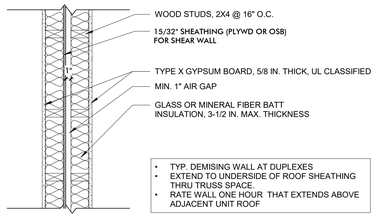
9 BOXED PORCH COLUMN - TYP PLAN DETAIL
1 1/2" = 1'-0"

8 FOUNDATION - TURNDOWN SLAB
1" = 1'-0"

6 EXTERIOR WINDOW - DOUBLE HUNG - SLIDER
1" = 1'-0"

4 EXTERIOR DOOR - FRONT DOOR - SIDING
1" = 1'-0"

2 DEMISING PARTITIONS FOR TOWNHOUSES
1" = 1'-0"



1 DEMISING PARTITIONS FOR DUPLEXES
1" = 1'-0"

DESIGN DEVELOPMENT

PRELIMINARY - NOT FOR CONSTRUCTION

CCR ARCHITECTURE & INTERIORS

SAUSSY FARMS

Port Wentworth , Georgia

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS

#	DESCRIPTION	DATE

SHEET TITLE:
STANDARD DETAILS

SHEET NUMBER:
A300

THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

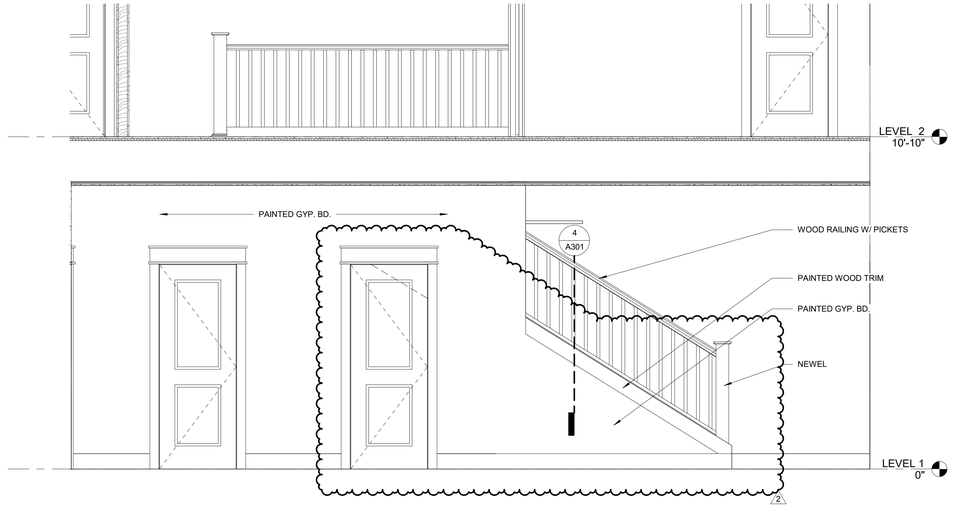
DESIGN DEVELOPMENT

PRELIMINARY - NOT FOR CONSTRUCTION

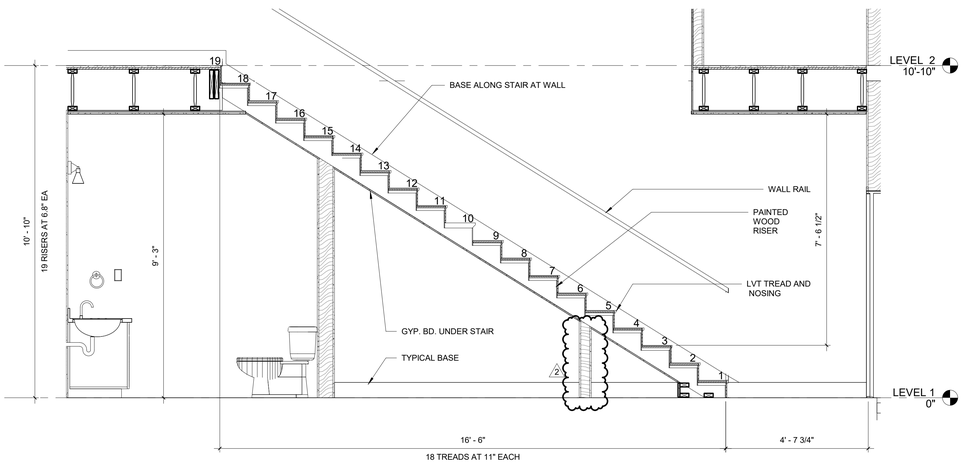
CCR ARCHITECTURE & INTERIORS

SAUSSY FARMS

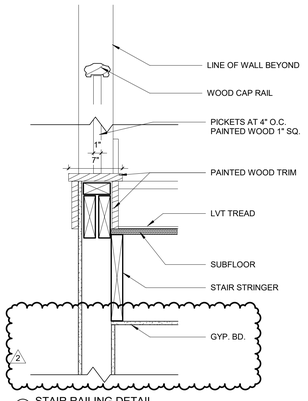
PORT WENTWORTH, GEORGIA



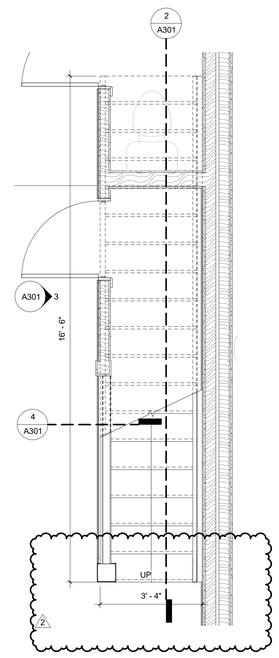
3 ELEVATION-STAIRCASE
1/2" = 1'-0"



2 SECTION-STAIRCASE
1/2" = 1'-0"



4 STAIR RAILING DETAIL
1 1/2" = 1'-0"



1 FLOOR PLAN-STAIRCASE
1/2" = 1'-0"

JOB NUMBER:
20034

DATE:
June 4, 2021

PRINTED / REVISIONS

#	DESCRIPTION	DATE
2	Revision 2	07/21/2021

SHEET TITLE:
STAIRCASE-TOWNHOUSE

SHEET NUMBER:
A301

THIS DRAWING IS THE PROPERTY OF CCR ARCHITECTURE & INTERIORS AND IS NOT TO BE REPRODUCED, COPIED OR ALTERED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE APPROVAL OF CCR ARCHITECTURE & INTERIORS AND IS TO BE RETURNED UPON REQUEST

8/2/2021 1:27:44 PM
C:\Users\jmcdonald\Documents\Community Housing\Mills-Jonny_R20_USE THIS.rvt

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Architectural Plans (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

WATER & SEWER ANALYSIS

FOR

LMS COTTAGES

LOCATED IN:

CITY OF PORT WENTWORTH
CHATHAM COUNTY, GEORGIA

PROJECT NO. 20-374.003

July 2021

PREPARED BY:

COLEMAN COMPANY, INC.
1480 CHATHAM PARKWAY, SUITE 100
SAVANNAH, GEORGIA 31405

PREPARED FOR:

LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC
1744 OXMOOR ROAD
HOMEWOOD AL, 35209

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

LMS Cottages
Water Capacity Analysis

Table of Contents

Page

Narrative 1

Existing Flow Data 1

Demand Calculations 3

- Domestic Water Demand 3
- Required Fire Flow 3
- Domestic & Fire Flow Water Analysis Results 3

Appendices

- A – Fire Hydrant Flow Test
- B – Water Analysis Results (WaterCAD Output)
- C – Lift Station Information
- D – Lift Station Calculations

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

Narrative

This report presents an analysis of the water supply capacity of the proposed water system designed for Saussy Farms. Saussy Farms development consists of 36 one-bedroom, 160 two-bedroom, and 28 three-bedroom apartments. Water service to the residences will be provided through 8 and 10-inch water supply lines. As indicated on the attached Exhibit, the proposed supply lines tie into existing 18-inch water main on Saussy Road.

The water source information is based flow tests performed on existing fire hydrants on Saussy Road. These tests were performed on June 30, 2021 by Coleman Company, Inc. The Water Analysis for Saussy Farms was performed using average daily flow and a peaking factor of 3 to calculate peak daily demand within this development. The analysis was then performed with peak daily demand conditions combined with a fire flow on the most remote hydrants. This report indicates adequate water availability for this proposed development.

EXISTING FLOW DATA

To determine the water delivery capacity, a flow test was performed by the Coleman Company, Inc. on the existing 18-inch water main along Saussy Road on June 30, 2021. Please see the attached flow test. The results are shown in Table 1.1 below.

Table 1.1

Sassy Road Fire Hydrant Test Data	
Static Pressure at Hydrant	57 psi
Residual Pressure at Hydrant	47 psi
Flow at Hydrant	920 gpm

A hydraulic model of the proposed water delivery system was created using the WaterCAD modeling software written by Bentley Systems, Inc. The City of Port Wentworth's water supply system was represented in the program as a pump connected to an infinite reservoir. The fire hydrant flow data was used to develop a curve to simulate the theoretical pump output curve, as shown below.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

Saussy Road Fire Hydrant Test:

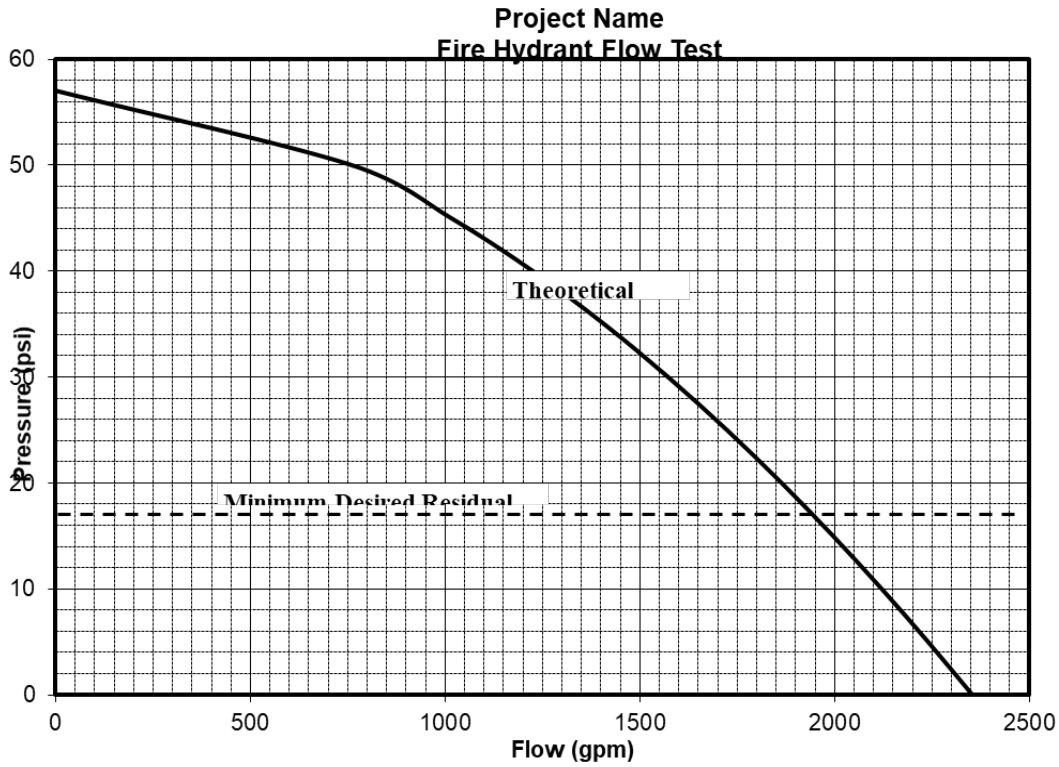
Flow During Test = 920 gpm
Static Pressure/Head = 57 psi = 132 ft
Residual Pressure/Head = 47 psi = 109 ft
Desired Residual Pressure/Head = 20 psi = 46 ft

$$Q_{dr} = Q_t \{(P_{ts} - P_{dr}) / (P_{ts} - P_{tr})\}^{0.54}$$

Where, Q_{dr} = Flow at Desired Residual Pressure
Q_t = Flow During Test
P_{ts} = Static Pressure
P_{dr} = Desired Residual Pressure
P_{tr} = Residual Pressure During Test

The following table of flow versus pressure (or head) was derived using the above equation and the assumed flow and pressure:

Pdr (psi)	Qdr (gpm)	Head (ft)
0	2355	0
5	2241	12
10	2122	23
15	1997	35
20	1865	46
25	1724	58
30	1573	69
35	1408	81
40	1225	92
45	1015	104
50	759	116
55	0	132



Note that three lines are highlighted on the tables. The top line represents the maximum flow condition with no head (i.e., no resistance to flow). The middle line represents the flow condition at the minimum desired residual pressure of 20 psi. The bottom line represents the static condition (i.e., no flow) or the shut-off head. These three data points were entered in the WaterCAD model to represent the theoretical water supply pump.

DEMAND CALCULATIONS

A water delivery system must be capable of supplying the needed fire flow while also meeting the maximum regular supply demands of its customers. To model the highest water demand placed on the subdivision's distribution system by the proposed development, the total peak domestic usage rate was added to the needed fire flow.

Domestic Water Demand

ADD = Average Daily Demand = 100 gpd for a one-bedroom, 150 gpd for a two-bedroom, and 300 gpd for a three-bedroom apartment.

PDD = Peak Daily Demand = ADD x 3

The water demand at each junction was calculated as the sum of the ADD per household.

ADD = 100 x 36 one-bedroom apartments = 3,600 gpd = **2.5 gpm**
150 x 160 two-bedroom apartments = 24,000 gpd **= 16.67 gpm**
300 x 28 three-bedroom apartments = 8,400 gpd **= 5.83 gpm**
Total ADD = 25 gpm

PDD = 25 gpm X 3 **= 75 gpm**

Required Fire Flow

The *ISO Guide for Determination of Required Fire Flow 2006 edition* was used to determine the Needed Fire Flow for this project. ISO has developed the needed fire flow formula through a review of actual large-loss fires. The ISO has developed Needed Fire Flow requirements for 1 and 2-family dwelling units not exceeding 2 stories in height.

Distance Between Buildings	Needed Fire Flow
More than 100'	500 gpm
30-100'	750 gpm
11-30'	1,000 gpm
10' or less	1,500 gpm

Finally, a fire flow demand of 1,300 gpm was added to the most remote point of the water delivery system, which is Junction '23' as indicated in Appendix B.

Domestic & Fire Flow Water Analysis Results

As indicated on the attached report from the WaterCAD program, there will be adequate water availability to provide the required domestic demand at both the Average Daily Demand and the Peak Daily Demand plus Fire Flow Demand. Below is a summary of the demand flow and pressures at the most remote locations within the development.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

As indicated on the attached report from the WaterCAD program, there will be adequate water availability to provide the needed fire flow for the proposed development. The lowest pressure of 20 psi occurs at Junction 3 and Junction 23 where a fire flow demand of 1,300 gpm is imposed. This is equal to or above the required 20 psi delivery pressure.

Junction	Average Daily Demand		Peak Daily + Fire Flow Demand	
	Demand (gpm)	Pressure	Demand (gpm)	Pressure
J-23	3	49	30 + 1,300	20
J-3	4	48	4	20

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

Appendix A

Fire Hydrant Flow Test

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

COLEMAN COMPANY
ENGINEERS • SURVEYORS

Water Hydrant Flow Test Report

Report Info

CCI Job #:	20-374.003	Flow Test By:	Joseph E. Wals
Project Name:	Saussey Farms	Test Date:	06/30/202
Project Location:	Georgia	Test Time:	03:10 P

Water Hydrant Locations

Hydrant A Location:	115 Saussy Rd, Port Wentworth
Hydrant B Location:	119 Saussy Rd, Port Wentworth
Hydrant A1 Location:	N/A
Hydrant B1 Location:	N/A

50330101-AC8E-4B0D-9C34-1A618E1D5DBF

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

COLEMAN COMPANY
ENGINEERS • SURVEYORS

Water Hydrant Calculations

Note:
This information represents the water supply characteristics in the immediate area on the date and time tested.

Flow Test Number:	GPM Hydrant A	Flow (PSI) Hydrant A	Static (PSI) Hydrant B	Residual (PSI) Hydrant B	Size of Main	Flow Type
1).	920	34	57	47	18"	Single

Tester Signature:

Joseph E. Walsh
CCI Inspector
06/30/2021

Witness Signature:

Chris Lee
CWS PM
06/30/2021

50330101-AC8E-4B0D-9C34-1A618E1D5DBF

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

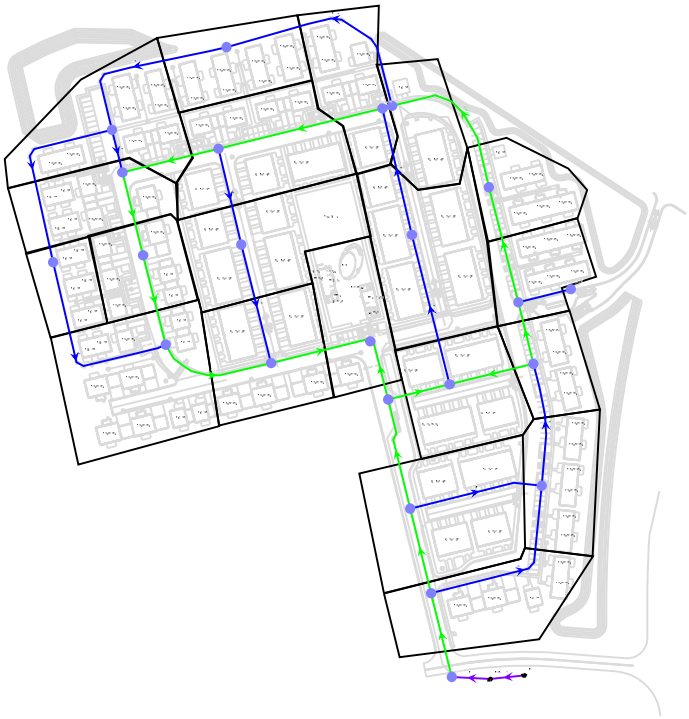
Appendix B

Water Analysis (WaterCAD Output)

Average Daily Flow Scenario

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

Scenario: ADF



Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

FlexTable: Junction Table

Label	Demand (gpm)	Elevation (ft)	Pressure (psi)	Hydraulic Grade (ft)
J-11	6	20.00	47	129.78
J-13	0	19.74	48	129.87
J-12	2	19.31	48	129.81
J-3	4	19.20	48	129.73
J-14	2	19.15	48	129.78
J-8	6	18.81	48	129.73
J-15	3	18.67	48	129.75
J-24	161	18.64	48	129.73
J-9	0	18.53	48	129.75
J-20	6	18.50	48	129.73
J-17	3	18.38	48	129.74
J-7	6	18.30	48	129.75
J-5	6	18.25	48	129.73
J-21	2	18.19	48	129.73
J-10	2	18.08	48	129.75
J-22	1	18.04	48	129.73
J-4	2	18.00	48	129.74
J-18	9	18.00	48	129.74
J-6	3	17.84	48	129.74
J-16	0	17.80	48	129.75
J-23	3	17.38	49	129.74
J-1	2	17.25	49	129.73
J-2	4	16.87	49	129.73

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

FlexTable: Pipe Table

Label	Start Node	Stop Node	Material	Hazen-Williams C	Diameter (in)	Length (ft)	Velocity (ft/s)	Flow (gpm)	Pressure (Start) (psi)	Pressure (Stop) (psi)	Hydraulic Grade (Start) (ft)	Hydraulic Grade (Stop) (ft)
P-21	J-15	J-16	PVC	135.0	8.0	94	0.00	0	48	48	129.75	129.75
P-1	J-1	J-2	PVC	135.0	8.0	76	0.01	-2	49	49	129.73	129.73
P-12	J-9	J-7	PVC	135.0	10.0	110	0.03	8	48	48	129.75	129.75
P-2(2)	J-22	J-3	PVC	135.0	8.0	341	0.03	5	48	48	129.73	129.73
P-23	PMP-1	J-13	PVC	135.0	48.0	1	0.04	232	56	48	129.87	129.87
P-22	R-1	PMP-1	PVC	135.0	48.0	1	0.04	232	0	0	0.00	0.00
P-2(1)	J-2	J-22	PVC	135.0	8.0	343	0.04	7	49	48	129.73	129.73
P-8(2)	J-20	J-8	PVC	135.0	8.0	213	0.06	10	48	48	129.73	129.73
P-9(2)	J-21	J-3	PVC	135.0	10.0	161	0.06	16	48	48	129.73	129.73
P-10	J-3	J-8	PVC	135.0	10.0	208	0.07	17	48	48	129.73	129.73
P-4	J-1	J-5	PVC	135.0	10.0	172	0.07	-17	49	48	129.73	129.73
P-9(1)	J-1	J-21	PVC	135.0	10.0	149	0.07	18	49	48	129.73	129.73
P-3(1)	J-2	J-23	PVC	135.0	8.0	319	0.08	-13	49	49	129.73	129.74
P-11(1)	J-8	J-24	PVC	135.0	10.0	178	0.09	21	48	48	129.73	129.73
P-18	J-11	J-14	PVC	135.0	8.0	234	0.09	14	47	48	129.78	129.78
P-6	J-6	J-4	PVC	135.0	10.0	17	0.09	-23	48	48	129.74	129.74
P-3(2)	J-23	J-4	PVC	135.0	8.0	391	0.10	-16	49	48	129.74	129.74
P-8(1)	J-5	J-20	PVC	135.0	8.0	171	0.10	16	48	48	129.73	129.73
P-13	J-7	J-10	PVC	135.0	10.0	150	0.11	-27	48	48	129.75	129.75
P-7(1)	J-6	J-18	PVC	135.0	8.0	226	0.13	-20	48	48	129.74	129.74
P-5	J-5	J-6	PVC	135.0	10.0	294	0.16	-39	48	48	129.73	129.74
P-14(2)(2)	J-17	J-4	PVC	135.0	10.0	274	0.17	41	48	48	129.74	129.74
P-14(2)(1)	J-15	J-17	PVC	135.0	10.0	207	0.18	44	48	48	129.75	129.74
P-7(2)	J-18	J-7	PVC	135.0	8.0	268	0.18	-29	48	48	129.74	129.75
P-14(1)	J-10	J-15	PVC	135.0	10.0	110	0.19	46	48	48	129.75	129.75
P-19	J-14	J-12	PVC	135.0	8.0	324	0.40	-63	48	48	129.78	129.81
P-20	J-14	J-10	PVC	135.0	8.0	215	0.48	75	48	48	129.78	129.75
P-11(2)	J-24	J-9	PVC	135.0	10.0	108	0.57	-139	48	48	129.73	129.75
P-15	J-9	J-11	PVC	135.0	10.0	197	0.60	-147	48	47	129.75	129.78
P-16	J-11	J-12	PVC	135.0	10.0	152	0.68	-167	47	48	129.78	129.81
P-17	J-12	J-13	PVC	135.0	10.0	150	0.95	-232	48	48	129.81	129.87

FlexTable: Pump Table

Label	Pump Definition	Flow (Total) (gpm)	Pump Head (ft)	Pressure (Discharge) (psi)	Pressure (Suction) (psi)	Hydraulic Grade (Discharge) (ft)	Hydraulic Grade (Suction) (ft)
PMP-1	Saussay Road	232	129.87	56	0	129.87	0.00

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

FlexTable: Reservoir Table

Label	Flow (Out net) (gpm)	Hydraulic Grade (ft)
R-1	232	0.00

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

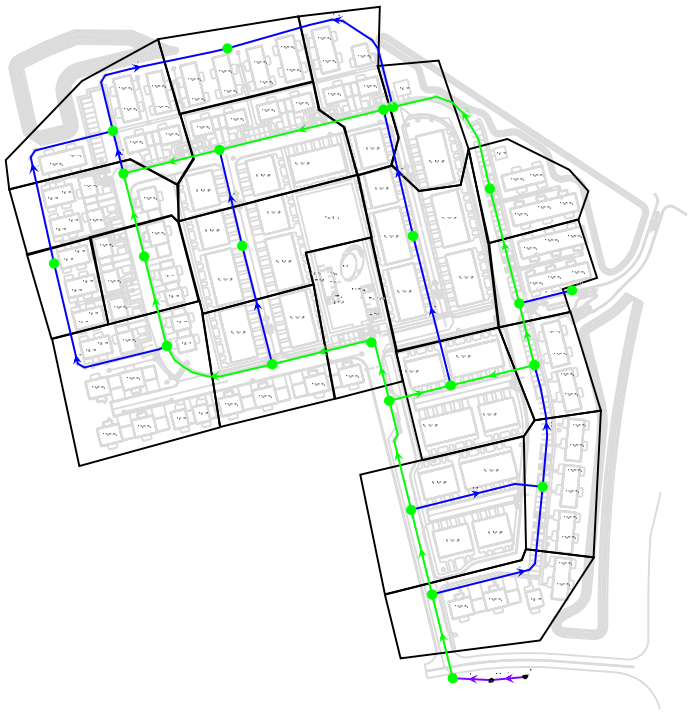
Appendix B

Water Analysis (WaterCAD Output)

Peak Daily Demand + Fire Flow Scenario

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

Scenario: PDF + FF



Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

FlexTable: Junction Table

Label	Demand (gpm)	Elevation (ft)	Pressure (psi)	Hydraulic Grade (ft)
J-3	4	19.20	20	65.91
J-23	1,003	17.38	20	64.14
J-8	6	18.81	20	66.02
J-20	6	18.50	21	65.97
J-24	481	18.64	21	66.19
J-5	6	18.25	21	65.94
J-21	2	18.19	21	65.89
J-22	1	18.04	21	65.78
J-11	6	20.00	21	67.83
J-15	3	18.67	21	66.53
J-17	3	18.38	21	66.30
J-4	2	18.00	21	65.99
J-9	0	18.53	21	66.66
J-6	3	17.84	21	65.99
J-18	9	18.00	21	66.28
J-7	6	18.30	21	66.64
J-10	2	18.08	21	66.66
J-1	2	17.25	21	65.87
J-14	2	19.15	21	67.77
J-16	0	17.80	21	66.53
J-2	4	16.87	21	65.65
J-12	2	19.31	21	68.91
J-13	0	19.74	22	70.85

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis

FlexTable: Pipe Table

Label	Start Node	Stop Node	Material	Hazen-Williams C	Diameter (in)	Length (ft)	Velocity (ft/s)	Flow (gpm)	Pressure (Start) (psi)	Pressure (Stop) (psi)	Hydraulic Grade (Start) (ft)	Hydraulic Grade (Stop) (ft)
P-21	J-15	J-16	PVC	135.0	8.0	94	0.00	0	21	21	66.53	66.53
P-22	R-1	PMP-1	PVC	135.0	48.0	1	0.28	1,552	0	0	0.00	0.00
P-23	PMP-1	J-13	PVC	135.0	48.0	1	0.28	1,552	31	22	70.85	70.85
P-6	J-6	J-4	PVC	135.0	10.0	17	0.37	90	21	21	65.99	65.99
P-13	J-7	J-10	PVC	135.0	10.0	150	0.43	-106	21	21	66.64	66.66
P-9(1)	J-1	J-21	PVC	135.0	10.0	149	0.57	-139	21	21	65.87	65.89
P-9(2)	J-21	J-3	PVC	135.0	10.0	161	0.58	-141	21	20	65.89	65.91
P-8(1)	J-5	J-20	PVC	135.0	8.0	171	0.59	-93	21	21	65.94	65.97
P-5	J-5	J-6	PVC	135.0	10.0	294	0.63	-153	21	21	65.94	65.99
P-8(2)	J-20	J-8	PVC	135.0	8.0	213	0.63	-99	21	20	65.97	66.02
P-12	J-9	J-7	PVC	135.0	10.0	110	0.64	156	21	21	66.66	66.64
P-18	J-11	J-14	PVC	135.0	8.0	234	0.65	102	21	21	67.83	67.77
P-2(1)	J-2	J-22	PVC	135.0	8.0	343	0.82	-128	21	21	65.65	65.78
P-2(2)	J-22	J-3	PVC	135.0	8.0	341	0.83	-129	21	20	65.78	65.91
P-4	J-1	J-5	PVC	135.0	10.0	172	0.98	-240	21	21	65.87	65.94
P-10	J-3	J-8	PVC	135.0	10.0	208	1.12	-275	20	20	65.91	66.02
P-11(1)	J-8	J-24	PVC	135.0	10.0	178	1.55	-379	20	21	66.02	66.19
P-7(1)	J-6	J-18	PVC	135.0	8.0	226	1.57	-247	21	21	65.99	66.28
P-7(2)	J-18	J-7	PVC	135.0	8.0	268	1.63	-255	21	21	66.28	66.64
P-14(2)(2)	J-17	J-4	PVC	135.0	10.0	274	1.69	413	21	21	66.30	65.99
P-14(2)(1)	J-15	J-17	PVC	135.0	10.0	207	1.70	416	21	21	66.53	66.30
P-14(1)	J-10	J-15	PVC	135.0	10.0	110	1.71	419	21	21	66.66	66.53
P-1	J-1	J-2	PVC	135.0	8.0	76	2.41	378	21	21	65.87	65.65
P-19	J-14	J-12	PVC	135.0	8.0	324	2.72	-427	21	21	67.77	68.91
P-3(2)	J-23	J-4	PVC	135.0	8.0	391	3.20	-501	20	21	64.14	65.99
P-3(1)	J-2	J-23	PVC	135.0	8.0	319	3.20	502	21	20	65.65	64.14
P-20	J-14	J-10	PVC	135.0	8.0	215	3.36	527	21	21	67.77	66.66
P-11(2)	J-24	J-9	PVC	135.0	10.0	108	3.51	-860	21	21	66.19	66.66
P-15	J-9	J-11	PVC	135.0	10.0	197	4.15	-1,016	21	21	66.66	67.83
P-16	J-11	J-12	PVC	135.0	10.0	152	4.59	-1,123	21	21	67.83	68.91
P-17	J-12	J-13	PVC	135.0	10.0	150	6.34	-1,552	21	22	68.91	70.85

FlexTable: Pump Table

Label	Pump Definition	Flow (Total) (gpm)	Pump Head (ft)	Pressure (Discharge) (psi)	Pressure (Suction) (psi)	Hydraulic Grade (Discharge) (ft)	Hydraulic Grade (Suction) (ft)
PMP-1	Saussay Road	1,552	70.85	31	0	70.85	0.00

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

FlexTable: Reservoir Table

Label	Flow (Out net) (gpm)	Hydraulic Grade (ft)
R-1	1,552	0.00

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

Appendix C

Lift Station Information

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

FLYGT
a xylem brand

Issued: 5/13 Supersedes: 3/08

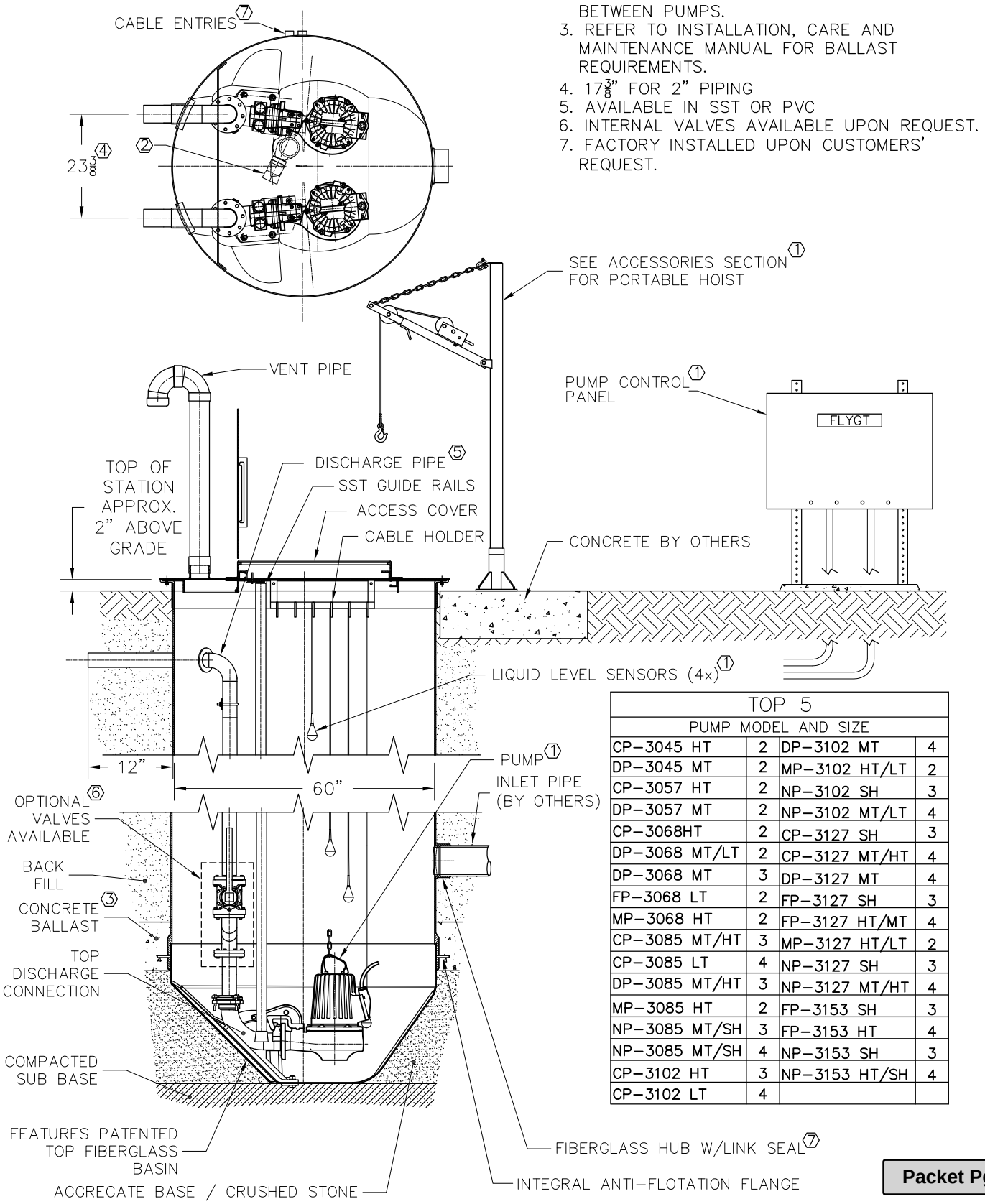
682248C

TOP 5 (Duplex Station)

(Fiberglass Station - 3045 thru 3153)

NOTE:

1. PUMPS, CONTROLS AND ACCESSORIES ARE NOT SUPPLIED WITH THE TOP PUMP STATION AND MUST BE ORDERED SEPARATELY.
2. MIX FLUSH VALVE MUST BE LOCATED BETWEEN PUMPS.
3. REFER TO INSTALLATION, CARE AND MAINTENANCE MANUAL FOR BALLAST REQUIREMENTS.
4. $17\frac{3}{8}$" FOR 2" PIPING
5. AVAILABLE IN SST OR PVC
6. INTERNAL VALVES AVAILABLE UPON REQUEST.
7. FACTORY INSTALLED UPON CUSTOMERS' REQUEST.



TOP 5			
PUMP MODEL AND SIZE			
CP-3045 HT	2	DP-3102 MT	4
DP-3045 MT	2	MP-3102 HT/LT	2
CP-3057 HT	2	NP-3102 SH	3
DP-3057 MT	2	NP-3102 MT/LT	4
CP-3068HT	2	CP-3127 SH	3
DP-3068 MT/LT	2	CP-3127 MT/HT	4
DP-3068 MT	3	DP-3127 MT	4
FP-3068 LT	2	FP-3127 SH	3
MP-3068 HT	2	FP-3127 HT/MT	4
CP-3085 MT/HT	3	MP-3127 HT/LT	2
CP-3085 LT	4	NP-3127 SH	3
DP-3085 MT/HT	3	NP-3127 MT/HT	4
MP-3085 HT	2	FP-3153 SH	3
NP-3085 MT/SH	3	FP-3153 HT	4
NP-3085 MT/SH	4	NP-3153 SH	3
CP-3102 HT	3	NP-3153 HT/SH	4
CP-3102 LT	4		

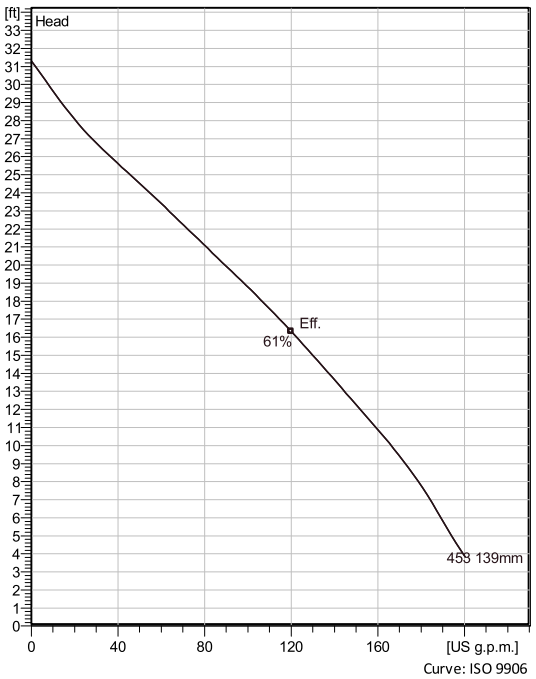
Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

NP 3085 SH 3~ Adaptive 453

Patented self cleaning semi-open channel impeller, ideal for pumping in most waste water applications. Modular based design with high adaptation grade.

Technical specification

Curves according to: Water, pure ,39.2 °F,62.42 lb/ft³,1.6891E-5 ft²/s



Configuration

Motor number
N3085.060 15-10-4AL-W 2.2hp

Installation type
P - Semi permanent, Wet

Impeller diameter
139 mm

Discharge diameter
1/8 inch

Pump information

Impeller diameter
139 mm

Discharge diameter
1/8 inch

Inlet diameter
80 mm

Maximum operating speed
1735 rpm

Number of blades
2

Max. fluid temperature
40 °C

Materials

Impeller
Hard-Iron

Stator housing material
Grey cast iron

Project		**Created by**	Daniel Collier
Block		**Created on**	7/15/2021 **Last update** 7/15/2021

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review Application

NP 3085 SH 3~ Adaptive 453

Technical specification

FLYGT a xylem brand

Motor - General

Motor number N3085.060 15-10-4AL-W 2.2hp	**Phases** 3~	**Rated speed** 1735 rpm	**Rated power** 2.2 hp
Approval No	**Number of poles** 4	**Rated current** 7.3 A	**Stator variant** 66
Frequency 60 Hz	**Rated voltage** 230 V	**Insulation class** H	**Type of Duty** S1
Version code 060			

Motor - Technical

Power factor - 1/1 Load 0.72	**Motor efficiency - 1/1 Load** 78.5 %	**Total moment of inertia** 0.216 lb ft²	**Starts per hour max.** 30
Power factor - 3/4 Load 0.64	**Motor efficiency - 3/4 Load** 77.0 %	**Starting current, direct starting** 52 A	
Power factor - 1/2 Load 0.52	**Motor efficiency - 1/2 Load** 72.3 %	**Starting current, star-delta** 17.3 A	

Project	**Created by**	Daniel Collier	
Block	**Created on**	7/15/2021	**Last update** 7/15/2021

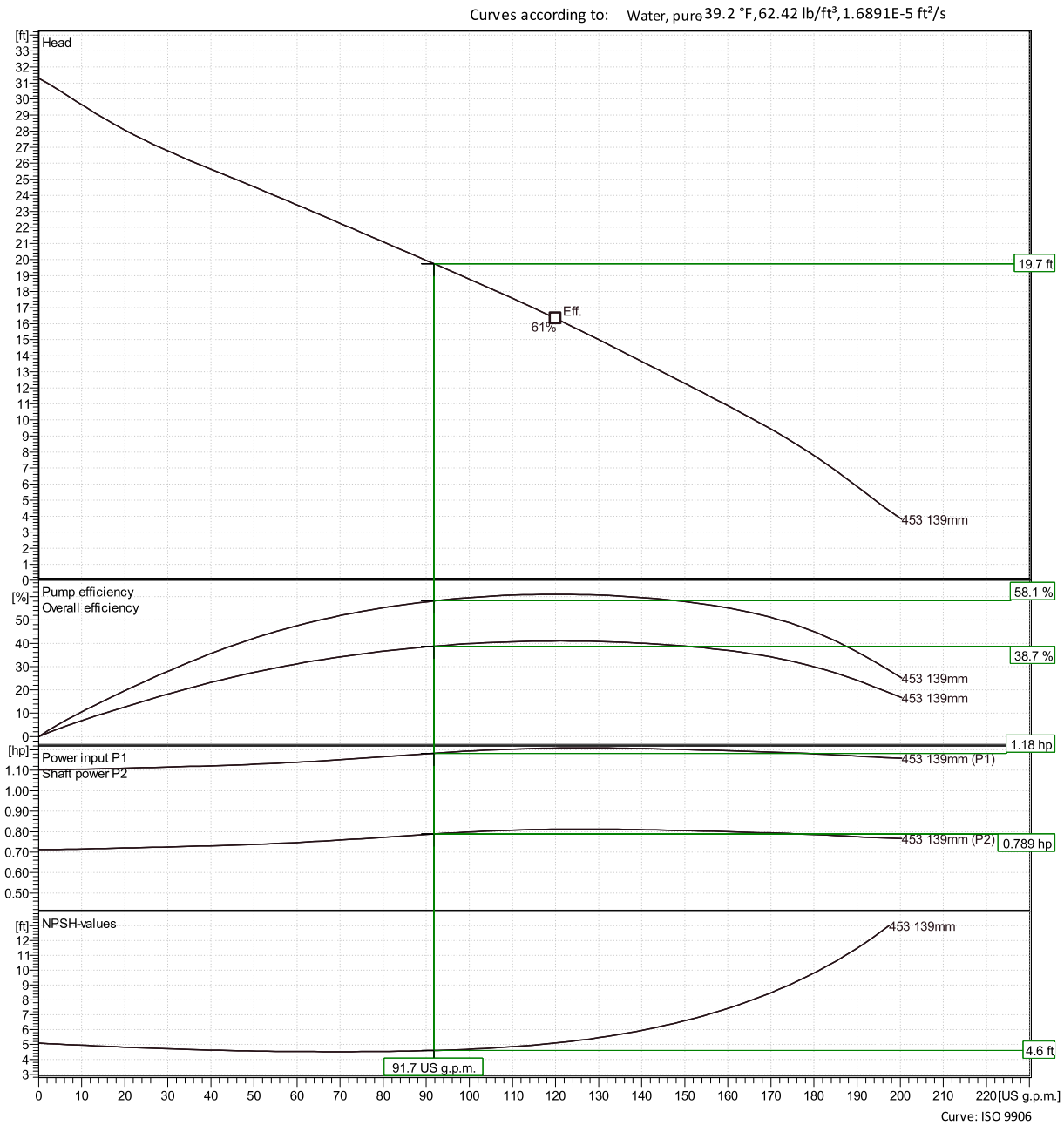
Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review Application

NP 3085 SH 3~ Adaptive 453

Performance curve

Duty point

Flow	Head
91.7 US g.p.m.	19.7 ft



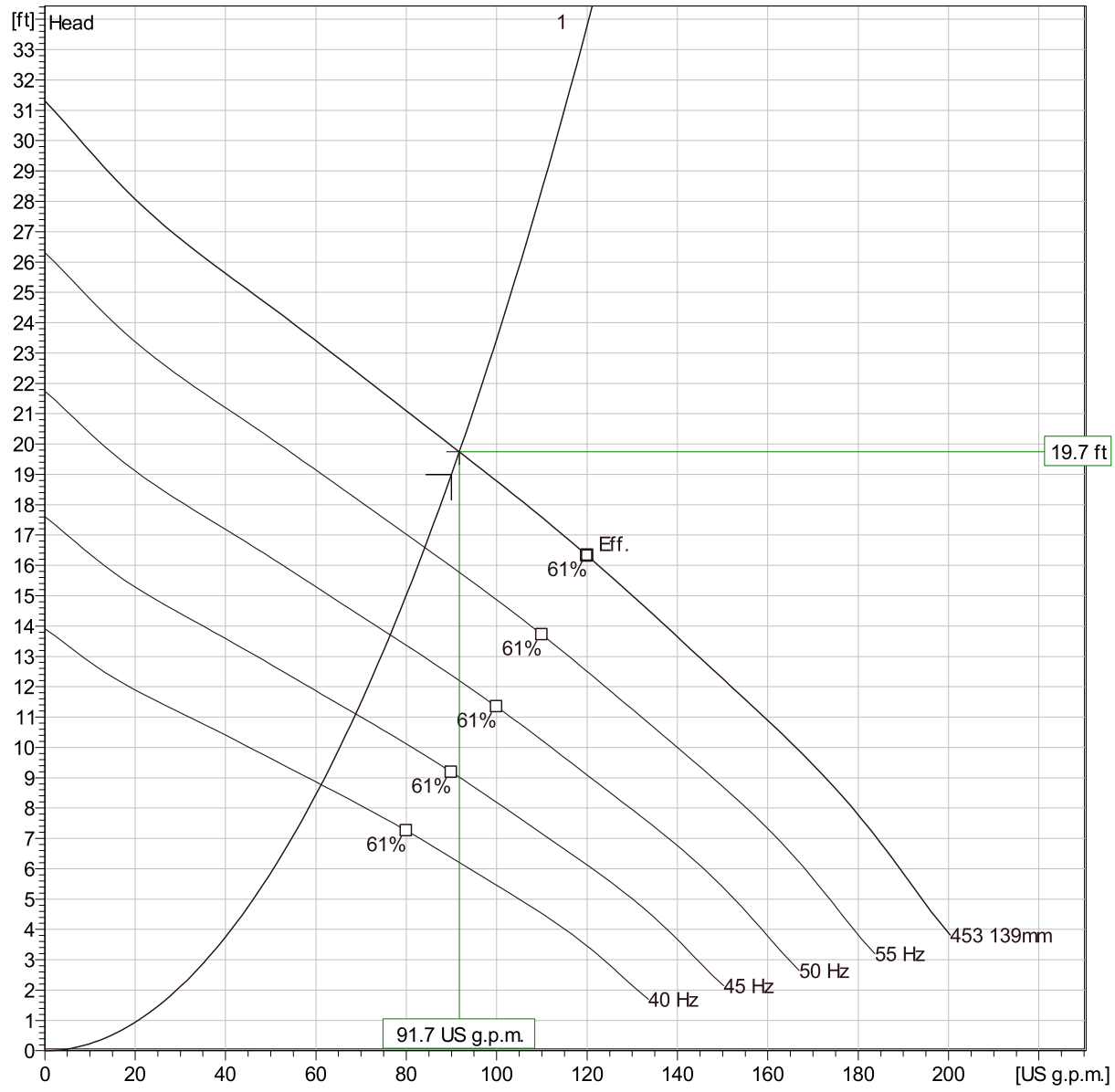
Project		**Created by**	Daniel Collier		
Block		**Created on**	7/15/2021	**Last update**	7/15/2021

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review Application

NP 3085 SH 3~ Adaptive 453

Duty Analysis

Curves according to: Water, pure ,39.2 °F,62.42 lb/ft³,1.6891E-5 ft²/s



Operating characteristics

Pumps / Systems	Flow	Head	Shaft power	Flow	Head	Shaft power	Hydr.eff.	Specific Energy	NPSHre
1	91.7 US g.p.m	19.7 ft	0.789 hp	91.7 US g.p.m	19.7 ft	0.789 hp	58.1 %	160 kWh/US M	4.6 ft

Project		**Created by**	Daniel Collier		
Block		**Created on**	7/15/2021	**Last update**	7/15/2021

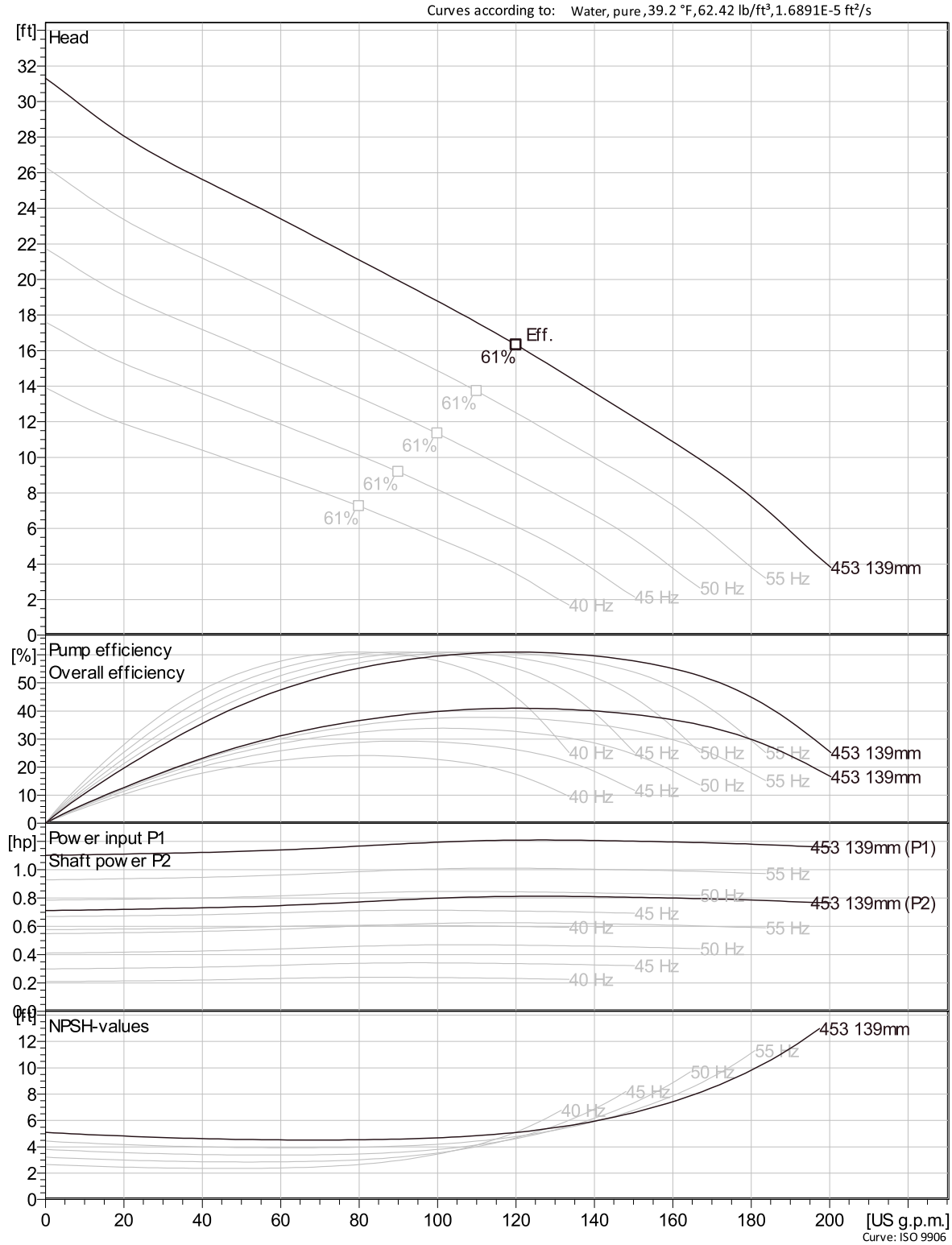
Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review Application

NP 3085 SH 3~ Adaptive 453

VFD Curve

FLYGT a xylem brand

Curves according to: Water, pure ,39.2 °F,62.42 lb/ft³,1.6891E-5 ft²/s

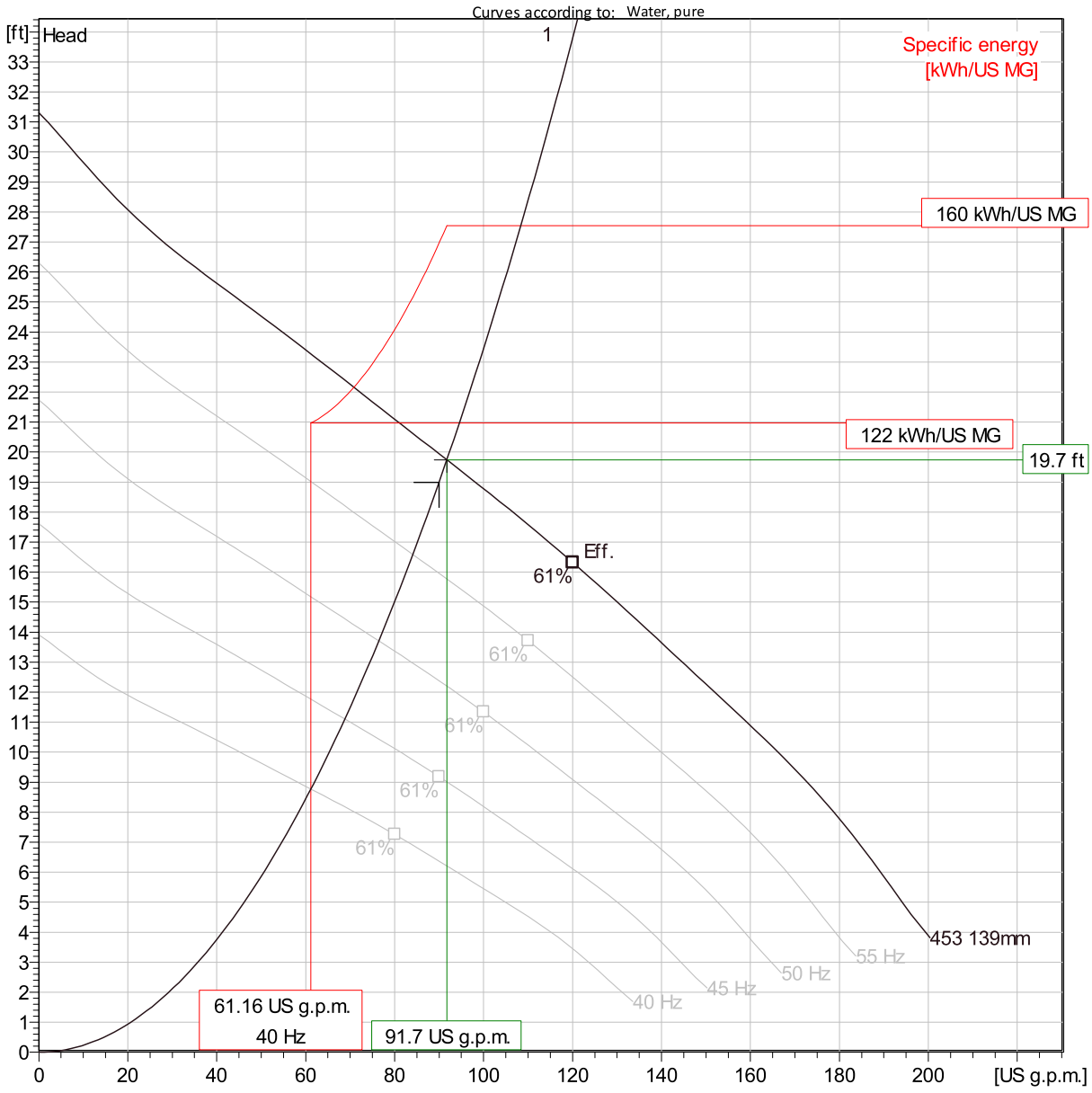


Project	**Created by**	Daniel Collier	
Block	**Created on**	7/15/2021	**Last update** 7/15/2021

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review Application

NP 3085 SH 3~ Adaptive 453

VFD Analysis



Operating characteristics

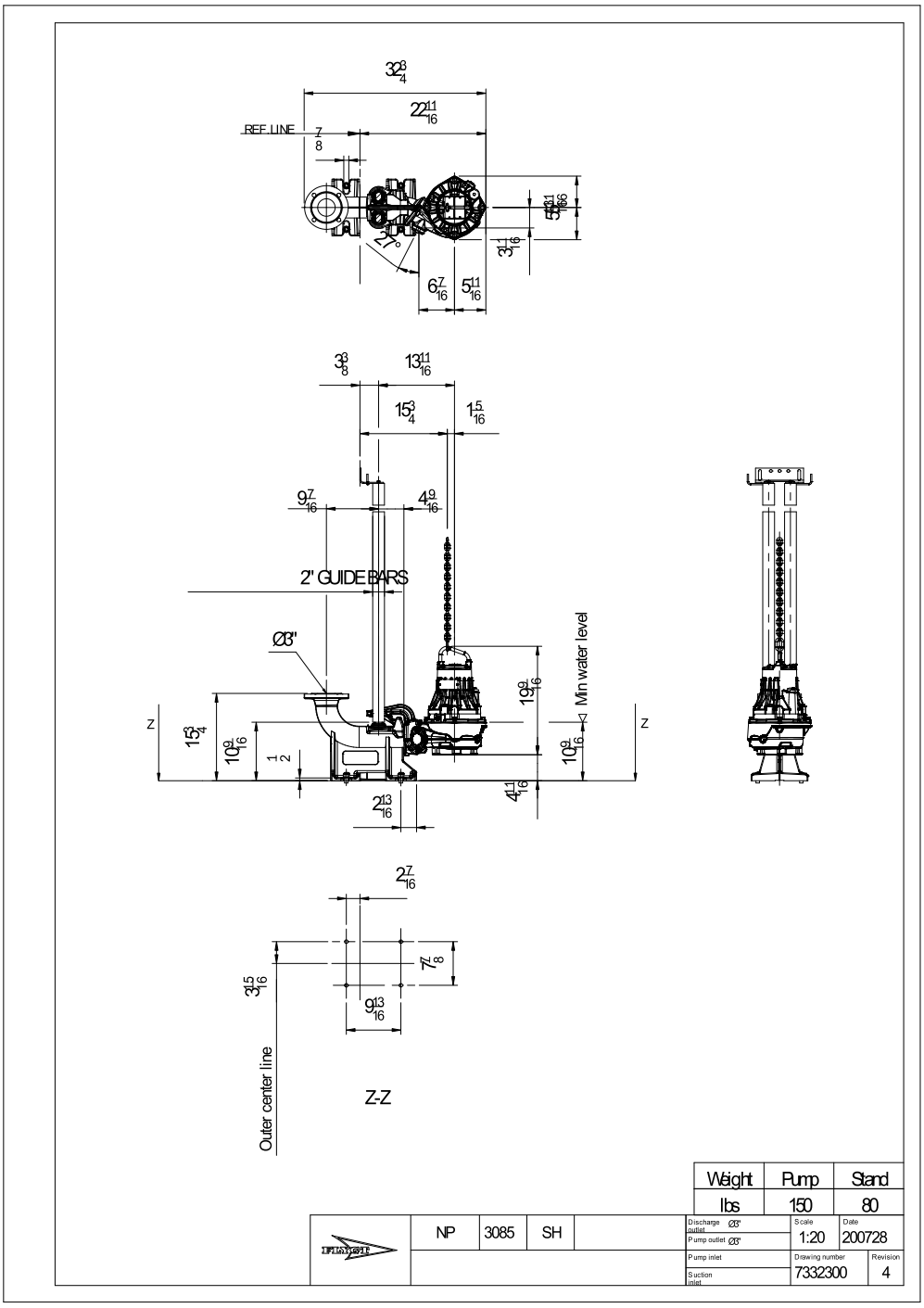
Pumps / Systems	Frequency	Flow	Head	Shaft power	Flow	Head	Shaft power	Hydr.eff.	Specific Energy	NPSHre
1	60 Hz	91.7 US g.p.m	19.7 ft	0.789 hp	91.7 US g.p.m	19.7 ft	0.789 hp	58.1 %	160 kWh/US M	4.6 ft
1	55 Hz	84.1 US g.p.m	16.6 ft	0.607 hp	84.1 US g.p.m	16.6 ft	0.607 hp	58.1 %	146 kWh/US M	4 ft
1	50 Hz	76.4 US g.p.m	13.7 ft	0.456 hp	76.4 US g.p.m	13.7 ft	0.456 hp	58.1 %	135 kWh/US M	3.44 ft
1	45 Hz	68.8 US g.p.m	11.1 ft	0.333 hp	68.8 US g.p.m	11.1 ft	0.333 hp	58.1 %	127 kWh/US M	2.9 ft
1	40 Hz	61.2 US g.p.m	8.77 ft	0.234 hp	61.2 US g.p.m	8.77 ft	0.234 hp	58.1 %	122 kWh/US M	2.4 ft

Project	**Created by**	Daniel Collier	
Block	**Created on**	7/15/2021	**Last update** 7/15/2021

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review Application

NP 3085 SH 3~ Adaptive 453

Dimensional drawing



Project		**Created by**	Daniel Collier
Block		**Created on**	7/15/2021 **Last update** 7/15/2021

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review Application

Appendix D

Lift Station Calculations

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

COLEMAN COMPANY, INC.
PUMP STATION DESIGN

PROJECT NAME: Saussy Farms Lift Station **PROJECT No: 20-374.003**

WASTEWATER GENERATION RATES

Wastewater Generator	Unit Basis	No. of Units	GPD/Unit	GPM
1 Bedroom	EA	21	100	1.46
2 Bedroom	EA	160	150	16.67
3 Bedroom	EA	28	300	5.83
Clubhouse/Lounge	SF	2,664	0.06	0.11
				-
			Average Daily Flow (ADF) =	24.07

Instantaneous Peak Demand (IPD) = ADF x Peaking Factor

Peaking Factor = 3.00 (from Metcalf & Eddy)

IPD = **90.00** gpm or 0.201 cfs

REQUIRED STORAGE VOLUME

V_w = Wet Well Storage Volume

T = Cycle Time (min)

$V_w = (T \times IPD)/ 4$

Let T = 10 min (from table)

V_w = 225 gallons

Select Diameter of Wet Well = 5 feet

Stage Volume of Wet Well = 147 gal per ft of depth

Required Operating Range = **1.53** feet

Pump Cycle Times
(from ASCE MOP FD-4)

Pump Configuration	Motor (hp)	T (min)
Submersible	All	7.5
Dry-Pit	< 20	10
	20 -100	15
	100 - 250	20
	> 250	30

1" FORCE MAIN:

REQUIRED PUMPING RATE & FORCE MAIN DIAMETER

Flowrate, Q = 0.201 cfs (from above)

Select Diameter of Force Main = 4.266 inches

Cross Sectional Area, A = 0.099 square feet

Velocity, v = Q/ A v = **2.02** feet per second

Velocity is OK because 2.02 is > 2 ft/s and < 10 ft/s

SYSTEM LENGTH AND ELEVATIONS

Force Main Length = 1,142 Linear Feet

Maximum System Elevation = 18.31 M.S.L.

Pump Volute Elevation = 2.17 M.S.L.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

COLEMAN COMPANY, INC.
PUMP STATION DESIGN

PROJECT NAME: Saussy Farms Lift Station **PROJECT No: 20-374.003**

TOTAL DYNAMIC HEAD

h_s = Static Head = Max Syst Elev - Pump Volute Elev

h_s = 16.14 ft

h_f = Friction Headloss due to Pipe

$h_f = 0.002083 \times L \times (100/C)^{1.85} \times (Q^{1.85} / d^{4.865})$

L =	1,142	ft (pipe length from above)
C =	135	(Hazen-Wms "C" from table)
Q =	90	gpm (IPD from above)
d=	4.266	in (FM diam selected above)
h_f =	4.85	ft

Pipe Material	H-W "C"
Asbestos Cement	145
Smooth Concrete	140
Average Concrete	130
Plastic (PVC, ABS)	135
New Cast Iron	130
5-yr Old Cast Iron	120
20-yr Old Cast Iron	100
Encrusted Cast Iron	80
New Welded Steel	120
Riveted Steel	100
Corrugated Metal	60
Vitrified Clay	110
Brick Sewer	100

h_m = Minor Headloss due to Fittings

$h_m = K (v^2/2g)$

Fittings	Quantity	Coefficient	Minor Losses
11.25º Bend	0	0.05	0.00
22.5º Bend	0	0.10	0.00
45º Bend	7	0.20	1.40
90º Bend	0	0.40	0.00
Tee, Flow thru Line	0	0.35	0.00
Tee, Flow thru Stem	0	1.80	0.00
Check Valve	0	2.50	0.00
Plug Valve	0	5.00	0.00
Coupling or Union	0	0.10	0.00
Reducer/Increaser	0	0.25	0.00
Exit Loss	1	1.00	1.00
		Total Loss Coefficient, K =	2.40

Enter the number of each type of fitting in the "Quantity" column.

h_m = 0.15 ft

Total Dynamic Head (TDH) = $h_s + h_f + h_m$ =

TDH (4" FM) **21.14** ft

NET POSITIVE SUCTION HEAD

NPSHR = Net Positive Suction Head Required

NPSHR = 4 ft (from pump manufacturer)

NPSHA = Net Positive Suction Head Available

NPSHA = Atmospheric Pressure - Vapor Pressure + Depth of Submergence

Atmospheric Pressure = 14.7 psi x 2.31 ft/psi =	34.0	ft
Vapor Pressure of H_2O = 0.26 psi x 2.31 psi/ft =	0.6	ft
Minimum Depth of Submergence at Low Water Level =	1.0	ft
NPSHA =	**34.4**	**ft**

NPSH is OK because NPSHA > NPSHR.

DUTY POINT

Pump Performance Required: **90.0** gpm, IPD at **21.14** ft, TDH

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

COLEMAN COMPANY, INC.
PUMP STATION DESIGN

PROJECT NAME: Saussy Farms Lift Station

PROJECT No: 20-374.003

STATION INFORMATION

Ground Elevation at Lift Station =	18.3	ft, MSL
Pump Volute Elevation =	2.2	ft, MSL
Minimum Fluid Depth in Wetwell =	3.0	ft
Thickness of Wet Well Footer =	1.0	ft
Total Depth of Wet Well =	20.1	ft

BOUYANT FORCE

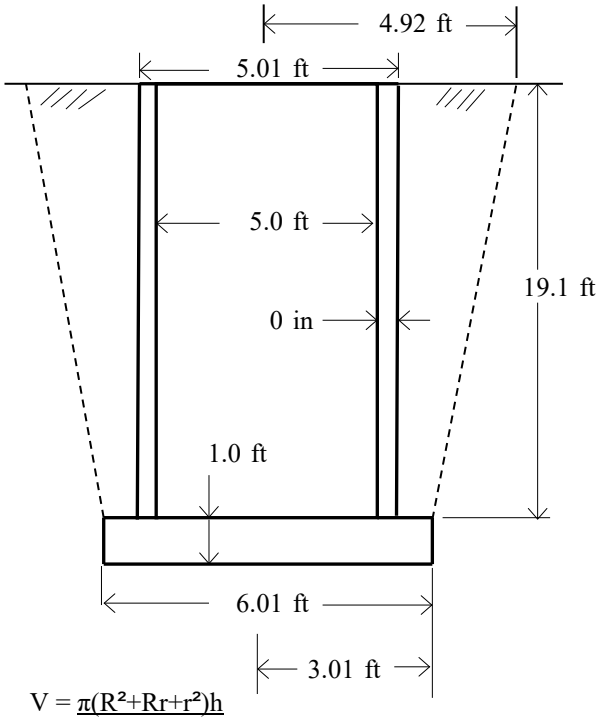
Volume of Wet Well =	378	cu. ft
Volume of Footer =	28	cu. ft
Total Volume Displaced, V_D =	406	cu. ft
Bouyant Force, $F_B = V_D$ x 62.4 lbs/ft^3 =	**25,354**	lbs.

CONCRETE WEIGHT

Inner Diameter of Wet Well =	5.0	ft
Thickness of Wet Well Wall =	0	in
Outer Diameter of Wet Well =	5.01	ft
Footer Extension beyond Wet Well Wall =	0.5	ft
Outer Diameter of Wet Well Footer =	6.01	ft
Volume of Concrete in Wet Well Walls =	2	cu. ft
Volume of Concrete in Wet Well Footer =	28	cu. ft
Concrete Density =	150	lbs/cu. ft
Total Weight of Concrete Wet Well =	**4,574**	lbs.

WEIGHT OF SOIL OVERBURDEN

Depth of Soil above Wet Well Footer =	19.1	ft
Assumed Slope of Overburden Cone =	0.10	ft/ft
Lower Radius of Overburden Cone, r =	3.01	ft
Upper Radius of Overburden Cone, R =	4.92	ft
Soil Volume in Overburden Cone =	585	cu. ft
Assumed Soil Density =	110	lbs/cu. ft
Weight of Soil in Overburden Cone =	**64,380**	lbs.



$V = \frac{\pi(R^2+Rr+r^2)h}{3}$

BUOYANCY DETERMINATION

Total Downward Force on Dry Wet Well = **68,954** lbs.

Buoyancy is OK because 68,954 lbs. is greater than 25,354 lbs.

Factor of Safety = $\frac{68,954}{25,354}$ = **2.72**

Notes: The following conservative assumptions are made in the above analysis:
- Design assumes that the water table is at the ground surface.
- Design assumes that the wet well is completely empty of water.
- Design ignores the weight of the pumps, piping, etc.

For fiberglass wet wells, the total weight of the wet well can be conservatively approximated as just that of the footer.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

PROJECT NAME:
Saussy Farms Lift Station

COLEMAN COMPANY, INC.
PUMP STATION DESIGN

PROJECT No: 20-374.003

	Forcemain Diameter (ID, in)	LF	Volume (CF)	Volume (gal)
Forcemain	4.266	1,142	16,323	122,095.40
Total		**1,142**		**122,095.40**

Pumping rate:	90.00	gpm
ADF:	24.07	gpm
Wetwell Diameter:	5.00	ft
Time to empty line:	1,357	minutes
	22.61	hours
	0.94	days

Wetwell Elevations

	Elevation	Volume (gal):	Pump Out Time (min.):	Fill Time (min):	Cycle Time (min):
Frame:	18.31				
IE(in):	8.67	514	1.11	3.05	4.17
Alarm:	8.17	441	-	-	-
Lag On:	7.67	367	(1.11)	(3.05)	(4.17)
Lead On:	7.17	294	(2.23)	(6.10)	(8.33)
Pump Off:	5.17	441	-	-	-
IE():	2.17	-	-	-	-

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis 9.1.21 (2511 : Site Plan Review

COLEMAN COMPANY, INC.
PUMP STATION DESIGN

PROJECT NAME: Saussy Farms Lift Station

PROJECT No: 20-374.003

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis

Partially Full Pipe Flow Calculations - U.S. Units

Calculation of Normal Depth for Pipes Less Than Half Full

Instructions: *Enter values in blue boxes. Spreadsheet calculates values in yellow boxes*

Inputs

Pipe Diameter, **D** =	8.044	in
Manning roughness, n_{full} =	0.011	
Channel bottom slope, **S** =	0.0040	ft/ft
Volumetric Flow Rate, **Q** =	0.161	cfs

Calculations

Pipe Diameter, **D** =	0.67	ft
Pipe radius, **r** =	0.34	ft

The Manning equation can be rearranged to:

$Q/(1.49*S^{1/2}) = (A*R^{2/3})/n$

$Q/(1.49*S^{1/2})$ = 1.707 = target value for $(A*R^{2/3})/n$

Iterative (trial & error) Solution:

(Select values of y_o, to find the value of y_o that makes $(A*R^{2/3})/n$ as close to the target value as possible)

y_o ,ft	y_o/D	θ, radians	A, ft^2	V (fps)	n	P, ft	$(A*R^{2/3})/n$	difference from target value
0.005	0.007	0.346	0.00	417.77	0.0110	0.12	0.001	-1.706
0.004	0.006	0.309	0.00	583.59	0.0110	0.10	0.000	-1.707
0.003	0.004	0.268	0.00	898.09	0.0110	0.09	0.000	-1.707
0.002	0.003	0.219	0.00	1,649.15	0.0110	0.07	0.000	-1.707
0.001	0.001	0.155	0.00	4,662.41	0.0110	0.05	0.000	-1.707
0.000	0.000	0.000	0.00	#DIV/0!	0.0110	0.00	#DIV/0!	#DIV/0!

NOTE: The values for y_o in cells A21:A26 must be changed to find the value of y_o that makes the difference from the target value in column I equal to zero to the degree of accuracy that you desire.

Equations used for calculations:

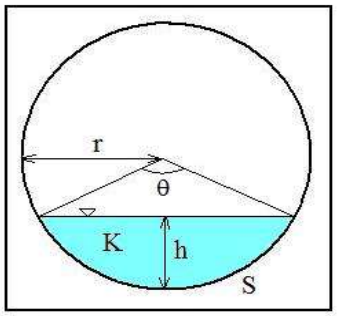
r = D/2

h = y

$\theta = 2\arccos\left(\frac{r - h}{r}\right)$

$A = \frac{r^2(\theta - \sin\theta)}{2}$

$P = r * \theta$



Partially Full Pipe Flow Parameters
(Less Than Half Full)

Depth of Flow (in)	Depth of Flow (%)
0.06	0.75%
0.05	0.60%
0.04	0.45%
0.02	0.30%
0.01	0.15%
-	0.00%

R = A/P (hydraulic radius)

$Q = (1.49/n)(A)(R^{2/3})(S^{1/2})$ (Manning Equation)

V = Q/A

Copyright © 2011 Harlan H. Bengtson. All Rights Reserved.

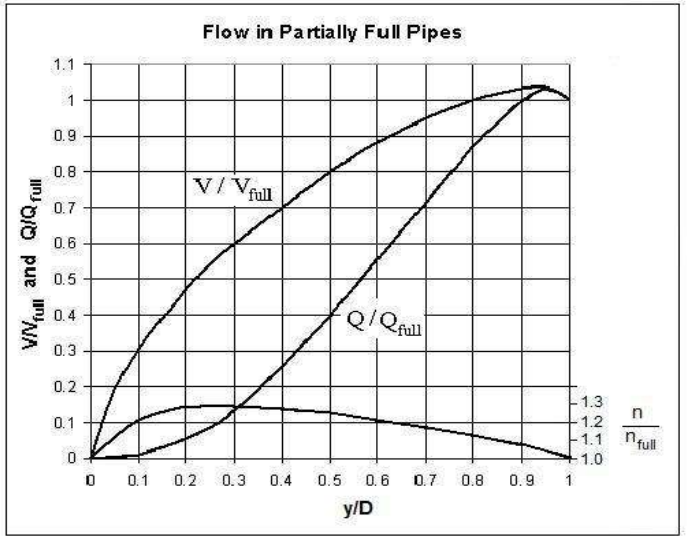
COLEMAN COMPANY, INC.
PUMP STATION DESIGN

PROJECT NAME: Saussy Farms Lift Station

PROJECT No: 20-374.003

Equations used to calculate n/n_{full}:

$0 < y/D \leq 0.03$	$n/n_{full} =$	$1 + (y/D)(1/0.3)$
$0.03 < y/D \leq 0.1$	$n/n_{full} =$	$1.1 + (y/D - 0.03)(12/7)$
$0.1 < y/D \leq 0.2$	$n/n_{full} =$	$1.22 + (y/D - 0.1)(0.6)$
$0.2 < y/D \leq 0.3$	$n/n_{full} =$	1.29
$0.3 < y/D \leq 0.5$	$n/n_{full} =$	$1.29 - (y/D - 0.3)(0.2)$



Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Water & Sewer Analysis

STORM SEWER PIPE SIZING ANALYSIS

LMS COTTAGES

PORT WENTWORTH, GA

JULY 2021

Project# 20-374.003

COLEMAN COMPANY
ENGINEERS • SURVEYORS

PREPARED BY DILLON POWELL | PREPARED FOR **LMS REAL ESTATE INVESTMENT MANAGEMENT LLC**

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

COLEMAN COMPANY
ENGINEERS • SURVEYORS

CONTENTS

SITE OVERVIEW 4

GEORGIA COASTAL STORMWATER SUPPLEMENT REQUIREMENTS ... 5

STORMWATER RUNOFF REDUCTION *5*
STORMWATER QUALITY PROTECTION *6*
AQUATIC RESOURCE PROTECTION *6*
OVERBANK FLOOD PROTECTION *6*
EXTREME FLOOD PROTECTION *6*

PIPE SIZING ANALYSIS 7

STORM DRAINAGE SYSTEM *7*
Input Data *7*

APPENDICES:

A — COASTAL STORMWATER SUPPLEMENT SITE PLANNING & DESIGN WORKSHEET
B — PIPE SIZING CALCULATIONS (BENTLEY STORMCAD OUTPUT)

EXHIBITS:

COASTAL STORMWATER SUPPLEMENT EXHIBIT
STORM SEWER CATCHMENTS EXHIBIT

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

LMS COTTAGES

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

COLEMAN COMPANY
ENGINEERS • SURVEYORS

SITE OVERVIEW

The site is located in City of Port Wentworth, GA. This site is located adjacent to of Highway 21 & north of Saussy Road. The soils found on the site are hydrologic type C/D soils.

The post-developed site will consist of approximately 200 multi-family homes with all associated utility infrastructure. The proposed road will branch off of the existing Highway 21 that will be extended west which will end with multiple road connections.

This subdivision will have a multiple pond out falling to a jurisdictional wetland with an outlet control structure. The orifice/weir/pipe combination will accommodate for the one-year drawdown. The ponds' stormwater control structure and overflow weir will ultimately outfall into the seasonal wetlands, which ultimately discharges into the Savannah River.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

COLEMAN COMPANY
ENGINEERS • SURVEYORS

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

GEORGIA COASTAL STORMWATER SUPPLEMENT REQUIREMENTS

The Georgia Coastal Stormwater Supplement, April 2009 (GCSS) has five criteria for Post-Construction Stormwater Management:
1.Stormwater Runoff Reduction
2.Stormwater Quality Protection
3.Aquatic Resource Protection
4.Overbank Flood Protection
5.Extreme Flood Protection

Below are the approaches taken to satisfy these requirements:

STORMWATER RUNOFF REDUCTION

Post-Construction Stormwater Management for Cowan Tract Family Subdivision will meet the criteria, recommended by the GA Coastal Stormwater Supplement to the maximum extent practical. A development site must be designed with the use of green infrastructure practices to reduce the first 1.2 inches of any rainfall event.
To accomplish this requirement, the project area will use disconnected downspouts and vegetated filter strips (grassed open space) in conjunction with outfalls into undisturbed pervious area. These practices provide runoff reduction "credits" to meet the runoff reduction criteria to the maximum extent practical.
The amount of Stormwater runoff reduction needed to satisfy the Stormwater runoff reduction criteria, known as the runoff reduction volume (RRV), can be calculated using the following equations:

$$RR_V = \frac{(P)(R_V)(A)}{12}$$

Where:

RR_V = runoff reduction volume (Ac-Ft)
P = target runoff reduction rainfall, 1.2 inches
R_V = volumetric runoff coefficient
A = site area (Ac)
12 = unit conversion factor (in./ft.)

A site's volumetric runoff coefficient, RV, is directly related to the amount of impervious cover found on the site:

$$RV = 0.05 + 0.009(I)$$

Where:

I = Site Imperviousness (%)

Reducing the stormwater runoff volume generated by the 1.2-inch storm event can be expected to reduce annual post-construction stormwater runoff volumes and pollutant load by more than 50% on development sites. This criterion has been met to the maximum extent practical by providing 93% reduction to the Runoff Reduction Volume.

Appendix A – Coastal Stormwater Supplement Site Planning & Design Worksheet summarizes the results of the runoff reduction calculations.

COLEMAN COMPANY
ENGINEERS • SURVEYORS

STORMWATER QUALITY PROTECTION

Per Section 4.4.1 of the GCSS Stormwater generated from the 1.2 inch rain event that is not reduced on the developed site should be intercepted and treated in one or more stormwater management practices that provide at least a 80% reduction in the total suspended solids and that reduce nitrogen and bacteria loads to the maximum extent practical. The one proposed stormwater ponds will serve as the treatment method. 100% of this criterion will be met by discharging the runoff from a large portion of the project area into these stormwater ponds prior to the runoff out falling into Dasher Creek.

Appendix A – Coastal Stormwater Supplement Site Planning & Design Worksheet summarizes the results of the runoff reduction calculations.

AQUATIC RESOURCE PROTECTION

This criterion requires protection from direct impact of the land development process through the use of better site planning techniques; establishing a minimum 25-foot wide aquatic buffer; providing 24 hours of extended detention for the stormwater runoff volume generated by the 1-year, 24-hour storm event; and providing velocity control and energy dissipation measures at all new and existing stormwater outfalls.

OVERBANK FLOOD PROTECTION

This criterion requires that the peak discharge generated by the 25-year, 24-hour storm event under the post-development conditions does not exceed the peak discharge generated by the same storm event under pre-developed conditions.

EXTREME FLOOD PROTECTION

This criterion requires that the peak discharge generated by the 100-year, 24-hour storm event under the post-development conditions does not exceed the peak discharge generated by the same storm event under pre-developed conditions.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

COLEMAN COMPANY
ENGINEERS • SURVEYORS

PIPE SIZING ANALYSIS

The following presents an analysis of the storm drainage system designed for this proposed LMS Cottages project.

STORM DRAINAGE SYSTEM

The stormwater drainage system is to be designed to accommodate the 25-year; 24-hour discharge generated by the new development. The stormwater management system for this phase is comprised of 44 structures: (5) new curb inlets, (24) new grate inlets, (4) new storm manholes, (9) new flared-end section and (2) outlet control structure. There are three outfalls into Pond #1A/1B and two outfalls in Pond #2. The tailwater used for Pond #1 & #2 is 15.58 & 14.30 respectively for the 25-year storm.

Input Data

CURB INLET-1	0.335	0.700	10.000	6.940
CURB INLET-2	0.906	0.700	10.000	6.940
CURB INLET-3	0.344	0.700	10.000	6.940
GRATE INLET-1	0.209	0.900	10.000	6.940
GRATE INLET-2	0.252	0.700	10.000	6.940
GRATE INLET-3	0.228	0.700	10.000	6.940
GRATE INLET-4	0.374	0.700	10.000	6.940
GRATE INLET-5	0.335	0.700	10.000	6.940
GRATE INLET-6	0.986	0.700	10.000	6.940
GRATE INLET-7	0.468	0.700	10.000	6.940
GRATE INLET-8	0.516	0.700	10.000	6.940
GRATE INLET-9	2.895	0.400	10.000	6.940
GRATE INLET-10	0.537	0.700	10.000	6.940
GRATE INLET-11	0.924	0.700	10.000	6.940
GRATE INLET-12	0.868	0.700	10.000	6.940
GRATE INLET-13	0.711	0.700	10.000	6.940
GRATE INLET-14	1.674	0.500	10.000	6.940
GRATE INLET-15	0.604	0.700	10.000	6.940
GRATE INLET-16	0.346	0.700	10.000	6.940
GRATE INLET-17	0.783	0.700	10.000	6.940
GRATE INLET-18	0.502	0.700	10.000	6.940
GRATE INLET-19	0.347	0.700	10.000	6.940
GRATE INLET-21	0.413	0.500	10.000	6.940
GRATE INLET-22	0.463	0.500	10.000	6.940
GRATE INLET-23	0.223	0.500	10.000	6.940
GRATE INLET-24	0.043	0.500	10.000	6.940

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

COLEMAN COMPANY
ENGINEERS • SURVEYORS

The storm drainage pipe network for this project was input into the computer software program *Bentley StormCAD software developed by Bentley Systems, Inc*. The software analyzes a network of storm pipes utilizing the input data for each inlet, pipe, junction, and outfall in the system. The program takes into account accumulated time of concentration, runoff coefficients, areas, pipe sizes, inlet/outlet control, friction loss, inlet head loss, pressure and varied flow situations including hydraulic jumps, backwater and drawdown curves. The above information shows the input data, and the results from the executed program are included as Appendix C – Pipe Sizing Calculations.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

APPENDIX A
COASTAL STORMWATER SUPPLEMENT
SITE PLANNING & DESIGN WORKSHEET

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

Coastal Stormwater Supplement Site Planning & Design Worksheet

Revised July 2014

Site Data

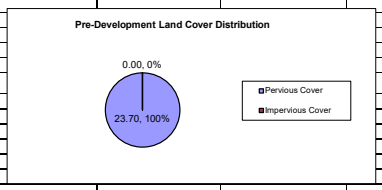
Site Name: LMS Cottages

data input cells
calculation cells
constant values

Step 1: Enter Site Information

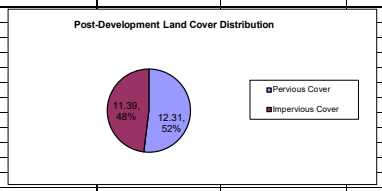
Pre-Development Land Cover (acres)

Land Cover Type	HSG A Soils	HSG B Soils	HSG C Soils	HSG D Soils	Totals
Pervious Cover	0.00	0.00	0.00	23.70	23.70
Impervious Cover	0.00	0.00	0.00	0.00	0.00
				Total	23.70

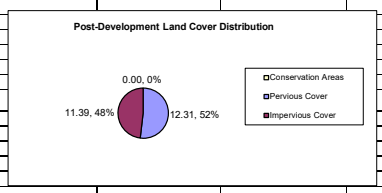


Post-Development Land Cover (acres)

Land Cover Type	HSG A Soils	HSG B Soils	HSG C Soils	HSG D Soils	Totals
Pervious Cover	0.00	0.00	0.00	12.31	12.31
Impervious Cover	0.00	0.00	0.00	11.39	11.39
				Total	23.70



Runoff Reduction Rainfall Event (inches)	1.2
Post-Development Site Imperviousness (%)	48%
Post-Development Site Runoff Coefficient, Rv	0.48
Target Runoff Reduction Volume, RRv (acre-feet)	1.14
Target Runoff Reduction Volume, RRv (cubic feet)	49,815

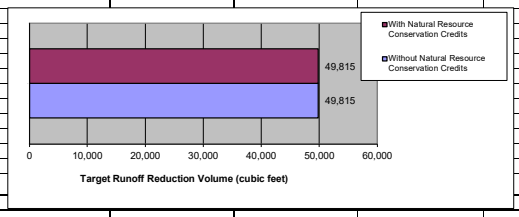


Step 2: Apply Better Site Planning Techniques

Natural Resource Conservation Credits	HSG A Soils	HSG B Soils	HSG C Soils	HSG D Soils	Total
Primary Conservation Areas (acres)	0.0	0.0	0.0	0.0	0.0
Secondary Conservation Areas (acres)	0.0	0.0	0.0	0.0	0.0
Total (acres)					0.00

Target Runoff Reduction Volume with Natural Resource Conservation Credits, RRv

Target Runoff Reduction Volume, RRv (acre-feet)	1.14
Target Runoff Reduction Volume, RRv (cubic feet)	49,815



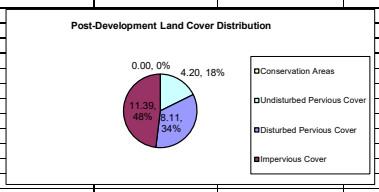
Step 3: Apply Better Site Design Techniques

Reduced Clearing and Grading Credits

	HSG A soils	HSG B Soils	HSG C Soils	HSG D Soils	Total
Undisturbed Pervious Cover (Acres)	0.0	0.0	0.0	4.2	4.20

Revised Post-Development Land Cover (acres)

Land Cover Type	HSG A soils	HSG B Soils	HSG C Soils	HSG D Soils	Totals
Conservation Areas	0.00	0.00	0.00	0.00	0.00
Undisturbed Pervious Cover	0.00	0.00	0.00	4.20	4.20
Disturbed Pervious Cover	0.00	0.00	0.00	8.11	8.11
Impervious Cover	0.00	0.00	0.00	11.39	11.39
				Total	23.70

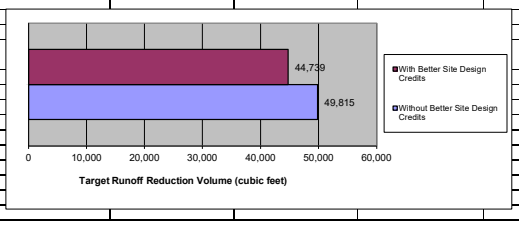


Restoration of Disturbed Pervious Surfaces

Soil Restoration (Acres)	0.6
Site Reforestation/Vegetation (Acres)	0.0
Soil Restoration w/ Site Reforestation/Revegetation (Acres)	0.0

Target Runoff Reduction Volume After Application of Better Site Design Credits, RRv

Target Runoff Reduction Volume, RRv (acre-feet)	1.03
Target Runoff Reduction Volume, RRv (cubic feet)	44,739



Note: Remainder of Better Site Design Techniques are considered to be "self-crediting."

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

Coastal Stormwater Supplement Site Planning & Design Worksheet

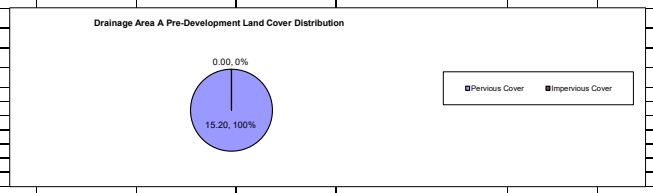
Revised July 2014

Drainage Area A

Drainage Area Information

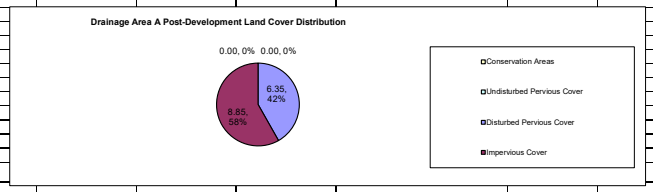
Drainage Area A Pre-Development Land Cover (acres)

Land Cover Type	HSG A soils	HSG B Soils	HSG C Soils	HSG D Soils	Totals
Pervious Cover	0.00	0.00	0.00	15.20	15.20
Impervious Cover	0.00	0.00	0.00	0.00	0.00
				Total	15.20



Drainage Area A Post-Development Land Cover (acres)

Land Cover Type	HSG A soils	HSG B Soils	HSG C Soils	HSG D Soils	Totals
Conservation Areas	0.00	0.00	0.00	0.00	0.00
Undisturbed Pervious Cover	0.00	0.00	0.00	0.00	0.00
Disturbed Pervious Cover	0.00	0.00	0.00	6.35	6.35
Impervious Cover	0.00	0.00	0.00	8.85	8.85
				Total	15.20



Low Impact Development Practices

Alternatives to Impervious Surfaces

Low Impact Development Practice	Size of Contributing Drainage Area (acres)	Impervious Cover in Contributing Drainage Area (acres)	Direct Runoff Reduction Volume Received by Practice (cubic feet)	Description of Runoff Reduction Credit	Runoff Reduction Volume Received from Upstream Practices	Total Runoff Reduction Volume Received by Practice (cubic feet)	Treatment Volume Received from Upstream Practices (cubic feet)	Total Treatment Volume Received by Practice (cubic feet)	Method for Calculating Storage	Storage Volume Provided by Practice (cubic feet)	Adjustment to Runoff Reduction Volume (cubic feet)	Remaining Runoff Reduction Volume (cubic feet)	Adjustment to Treatment Volume (cubic feet)	Remaining Treatment Volume (cubic feet)	Downstream Practice to be Employed
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
"Receiving" Low Impact Development Practices															
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
Simple Downspout Disconnection, C/D Soils 1	4.75	4.75	19656.5	30% of volume received by the practice	0.0	19656.5	0.0	19656.5	N/A	N/A	5896.9	13759.5	5896.9	13759.5	Vegetated Filter Strip, C/D Soils 1
Vegetated Filter Strip, C/D Soils 1	6.35	0.00	1383.0	30% of volume received by the practice	13759.5	15142.5	13759.5	15142.5	N/A	N/A	4542.8	10599.8	4542.8	10599.8	Stormwater Pond, Wetland, or Wet Swale 1
Undisturbed Pervious Area, C/D Soils 1	0.00	0.00	0.0	60% of volume received by the practice	27566.4	27566.4	0.0	0.0	N/A	N/A	16539.8	11026.6	0.0	0.0	No Downstream Practice
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
Treatment Only Practices															
Stormwater Pond, Wetland, or Wet Swale 1	4.10	4.10	16966.6	None	10599.8	27566.4	10599.8	27566.4	Volume in Wet Pool and Extended Detention	147828.0	0.0	27566.4	27566.4	0.0	Undisturbed Pervious Area, C/D Soils 1
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
Totals	**15.20**	**8.85**									**26979.5**		**38006.1**		

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis

Coastal Stormwater Supplement Site Planning & Design Worksheet

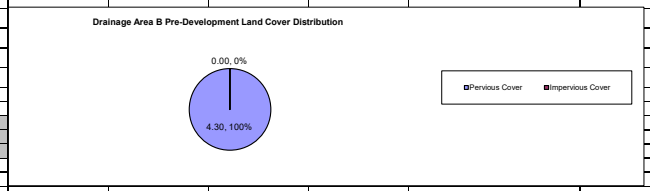
Revised July 2014

Drainage Area B

Drainage Area Information

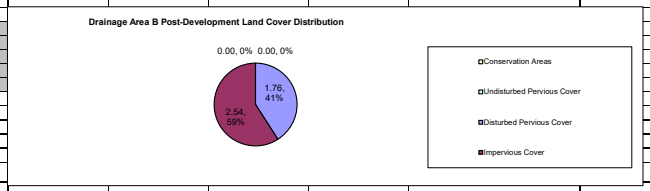
Drainage Area B Pre-Development Land Cover (acres)

Land Cover Type	HSG A soils	HSG B Soils	HSG C Soils	HSG D Soils	Totals
Pervious Cover	0.00	0.00	0.00	4.30	4.30
Impervious Cover	0.00	0.00	0.00	0.00	0.00
				Total	4.30



Drainage Area B Post-Development Land Cover (acres)

Land Cover Type	HSG A soils	HSG B Soils	HSG C Soils	HSG D Soils	Totals
Conservation Areas	0.00	0.00	0.00	0.00	0.00
Undisturbed Pervious Cover	0.00	0.00	0.00	0.00	0.00
Disturbed Pervious Cover	0.00	0.00	0.00	1.76	1.76
Impervious Cover	0.00	0.00	0.00	2.54	2.54
				Total	4.30



Low Impact Development Practices

Alternatives to Impervious Surfaces

Low Impact Development Practice	Size of Contributing Drainage Area (acres)	Impervious Cover in Contributing Drainage Area (acres)	Direct Runoff Reduction Volume Received by Practice (cubic feet)	Description of Runoff Reduction Credit	Runoff Reduction Volume Received from Upstream Practices	Total Runoff Reduction Volume Received by Practice (cubic feet)	Treatment Volume Received from Upstream Practices (cubic feet)	Total Treatment Volume Received by Practice (cubic feet)	Method for Calculating Storage	Storage Volume Provided by Practice (cubic feet)	Adjustment to Runoff Reduction Volume (cubic feet)	Remaining Runoff Reduction Volume (cubic feet)	Adjustment to Treatment Volume (cubic feet)	Remaining Treatment Volume (cubic feet)	Downstream Practice to be Employed
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
"Receiving" Low Impact Development Practices															
Simple Downspout Disconnection, C/D Soils 1	1.37	1.37	5669.3	30% of volume received by the practice	0.0	5669.3	0.0	5669.3	N/A	N/A	1700.8	3968.5	1700.8	3968.5	Vegetated Filter Strip, C/D Soils 1
Vegetated Filter Strip, C/D Soils 1	1.76	0.00	383.3	30% of volume received by the practice	3968.5	4351.9	3968.5	4351.9	N/A	N/A	1305.6	3046.3	1305.6	3046.3	Stormwater Pond, Wetland, or Wet Swale 1
Undisturbed Pervious Area, C/D Soils 1	0.00	0.00	0.0	60% of volume received by the practice	7888.0	7888.0	0.0	0.0	N/A	N/A	4732.8	3155.2	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
Treatment Only Practices															
Stormwater Pond, Wetland, or Wet Swale 1	1.17	1.17	4841.7	None	3046.3	7888.0	3046.3	7888.0	Volume in Wet Pool and Extended Detention	89060.0	0.0	7888.0	7888.0	0.0	Undisturbed Pervious Area, C/D Soils 1
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
Totals	**4.30**	**2.54**									**7739.2**		**10894.4**		

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis

Site Data Summary

Site Land Cover Summary

Pre-Development Land Cover (acres)

Land Cover Type	HSG A Soils	HSG B Soils	HSG C Soils	HSG D Soils	Totals
Pervious Cover	0.00	0.00	0.00	23.70	23.70
Impervious Cover	0.00	0.00	0.00	0.00	0.00
Total					23.70

Post-Development Land Cover (acres)

Land Cover Type	HSG A Soils	HSG B Soils	HSG C Soils	HSG D Soils	Totals
Pervious Cover	0.00	0.00	0.00	12.31	12.31
Impervious Cover	0.00	0.00	0.00	11.39	11.39
Total					23.70

Natural Resource Conservation Credits

	HSG A Soils	HSG B Soils	HSG C Soils	HSG D Soils	Total
Primary Conservation Areas (acres)	0.00	0.00	0.00	0.00	0.00
Secondary Conservation Areas (acres)	0.00	0.00	0.00	0.00	0.00
Total (acres)					0.00

Reduced Clearing and Grading Credits

	HSG A soils	HSG B Soils	HSG C Soils	HSG D Soils	Total
Undisturbed Pervious Cover (Acres)	0.00	0.00	0.00	4.20	4.20

Restoration of Disturbed Pervious Surfaces

Soil Restoration (Acres)	0.63
Site Reforestation/Vegetation (Acres)	0.00
Soil Restoration w/ Site Reforestation/Revegetation (Acres)	0.00

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

Stormwater Runoff Reduction Summary

Target Runoff Reduction and Treatment Volume, RRv (cubic feet)	49,815
Total Adjustment to Runoff Reduction Volume, RRv (cubic feet)	39,795
Percentage of Target Runoff Reduction Volume Achieved	80%
Runoff Reduction Volume Achieved (in)	0.96
Runoff Reduction Volume Remaining (cubic feet)	10,020
Treatment Volume Achieved (cubic feet)	53,977
Treatment Volume Remaining (cubic feet)	0

Channel and Flood Protection

	Adjusted Curve Number			Detention Required		
	1-year storm	**25-year storm**	**100-year storm**	**1-year storm**	**25-year storm**	**100-year storm**
Target Rainfall Event (in)	3.60	7.92	9.84			
D.A. A CN	85	86	86	Yes	Yes	Yes
D.A. B CN	85	86	87	Yes	Yes	Yes
D.A. C CN	36	#N/A	#N/A	Yes	#N/A	#N/A
D.A. D CN	36	#N/A	#N/A	Yes	#N/A	#N/A
D.A. E CN	36	#N/A	#N/A	Yes	#N/A	#N/A
D.A. F CN	36	#N/A	#N/A	Yes	#N/A	#N/A
D.A. G CN	36	#N/A	#N/A	Yes	#N/A	#N/A
D.A. H CN	36	#N/A	#N/A	Yes	#N/A	#N/A
D.A. I CN	36	#N/A	#N/A	Yes	#N/A	#N/A
D.A. J CN	36	#N/A	#N/A	Yes	#N/A	#N/A

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

Drainage Area A Summary

Land Cover Summary

Pre-Development Land Cover (acres)

Land Cover Type	HSG A Soils	HSG B Soils	HSG C Soils	HSG D Soils	Totals
Pervious Cover	0.00	0.00	0.00	15.20	15.20
Impervious Cover	0.00	0.00	0.00	0.00	0.00
Total					15.20

Post-Development Land Cover (acres)

Land Cover Type	HSG A soils	HSG B Soils	HSG C Soils	HSG D Soils	Totals
Conservation Areas	0.00	0.00	0.00	0.00	0.00
Undisturbed Pervious Cover	0.00	0.00	0.00	0.00	0.00
Disturbed Pervious Cover	0.00	0.00	0.00	6.35	6.35
Impervious Cover	0.00	0.00	0.00	8.85	8.85
Total					15.20

Drainage Area A BMP Selections

Practice	Size of Contributing Drainage Area (acres)	Impervious Cover in Contributing Drainage Area (acres)	Storage Volume Provided by Practice (cubic feet)	Runoff Red. Volume (ft^3)	Treat. Volume (ft^3)	Downstream Practice
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
Simple Downspout Disconnection, C/D Soils	4.75	4.75	N/A	5896.9	5896.9	Vegetated Filter Strip, C/D Soils 1
Vegetated Filter Strip, C/D Soils 1	6.35	0.00	N/A	4542.8	4542.8	Stormwater Pond, Wetland, or Wet Swale 1
Undisturbed Pervious Area, C/D Soils 1	0.00	0.00	N/A	16539.8	0.0	No Downstream Practice
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
Stormwater Pond, Wetland, or Wet Swale 1	4.10	4.10	147828.0	0.0	27566.4	Undisturbed Pervious Area, C/D Soils 1
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	

Total	15.20	8.85	147828.0	26979.5	38006.1

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

Drainage Area B Summary

Land Cover Summary

Pre-Development Land Cover (acres)

Land Cover Type	HSG A Soils	HSG B Soils	HSG C Soils	HSG D Soils	Totals
Pervious Cover	0.00	0.00	0.00	4.30	4.30
Impervious Cover	0.00	0.00	0.00	0.00	0.00
Total					4.30

Post-Development Land Cover (acres)

Land Cover Type	HSG A soils	HSG B Soils	HSG C Soils	HSG D Soils	Totals
Conservation Areas	0.00	0.00	0.00	0.00	0.00
Undisturbed Pervious Cover	0.00	0.00	0.00	0.00	0.00
Disturbed Pervious Cover	0.00	0.00	0.00	1.76	1.76
Impervious Cover	0.00	0.00	0.00	2.54	2.54
Total					4.30

Drainage Area B BMP Selections

Practice	Size of Contributing Drainage Area (acres)	Impervious Cover in Contributing Drainage Area (acres)	Storage Volume Provided by Practice (cubic feet)	Runoff Red. Volume (ft^3)	Treat. Volume (ft^3)	Downstream Practice
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
Simple Downspout Disconnection, C/D Soils	1.37	1.37	N/A	1700.8	1700.8	Vegetated Filter Strip, C/D Soils 1
Vegetated Filter Strip, C/D Soils 1	1.76	0.00	N/A	1305.6	1305.6	Stormwater Pond, Wetland, or Wet Swale 1
Undisturbed Pervious Area, C/D Soils 1	0.00	0.00	N/A	4732.8	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
Stormwater Pond, Wetland, or Wet Swale 1	1.17	1.17	89060.0	0.0	7888.0	Undisturbed Pervious Area, C/D Soils 1
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	
None	0.00	0.00	N/A	0.0	0.0	

Total	4.30	2.54	89060.0	7739.2	10894.4

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

COASTAL STORMWATER SUPPLEMENT EXHIBIT

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | COLSAV.COM

NOT FOR CONSTRUCTION

REVISIONS:

COASTAL STORMWATER SUPPLEMENT EXHIBIT FOR

LMS COTTAGES

LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC

JOB NUMBER:	20-374.003
DATE:	7/15/21
DRAWN BY:	DCP
CHECKED BY:	NPM
SCALE:	AS NOTED

COASTAL STORMWATER SUPPLEMENT EXHIBIT

SHEET:

CSS

© 2018 COLEMAN COMPANY, INC. DATE PLOTTED: 9/1/2021 9:16 AM BY: Dillon Powell DRAWING PATH: Q:\2020\20-374.003\Civil\Documents\Reports\STORM\20-374.003 CSS.dwg

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

APPENDIX B
PIPE SIZING CALCULATIONS
(BENTLEY STORMCAD OUTPUT)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

Scenario: 25yr
Current Time Step: 0.000 h
FlexTable: Catchment Table

Label	Outflow Element	Area (Unified) (acres)	Runoff Coefficient (Rational)	Time of Concentration (min)	Catchment Intensity (in/h)
CI-1	CURB INLET-1	0.335	0.700	10.000	6.940
CI-2	CURB INLET-2	0.906	0.700	10.000	6.940
CI-3	CURB INLET-3	0.344	0.700	10.000	6.940
GI-1	GRATE INLET-1	0.209	0.900	10.000	6.940
GI-2	GRATE INLET-2	0.252	0.700	10.000	6.940
GI-3	GRATE INLET-3	0.228	0.700	10.000	6.940
GI-4	GRATE INLET-4	0.374	0.700	10.000	6.940
GI-5	GRATE INLET-5	0.335	0.700	10.000	6.940
GI-6	GRATE INLET-6	0.986	0.700	10.000	6.940
GI-7	GRATE INLET-7	0.468	0.700	10.000	6.940
GI-8	GRATE INLET-8	0.516	0.700	10.000	6.940
GI-9	GRATE INLET-9	2.895	0.400	10.000	6.940
GI-10	GRATE INLET-10	0.537	0.700	10.000	6.940
GI-11	GRATE INLET-11	0.924	0.700	10.000	6.940
GI-12	GRATE INLET-12	0.868	0.700	10.000	6.940
GI-13	GRATE INLET-13	0.711	0.700	10.000	6.940
GI-14	GRATE INLET-14	1.674	0.500	10.000	6.940
GI-15	GRATE INLET-15	0.604	0.700	10.000	6.940
GI-16	GRATE INLET-16	0.346	0.700	10.000	6.940
GI-17	GRATE INLET-17	0.783	0.700	10.000	6.940
GI-18	GRATE INLET-18	0.502	0.700	10.000	6.940
GI-19	GRATE INLET-19	0.347	0.700	10.000	6.940
GI-21	GRATE INLET-21	0.413	0.500	10.000	6.940
GI-22	GRATE INLET-22	0.463	0.500	10.000	6.940
GI-23	GRATE INLET-23	0.223	0.500	10.000	6.940
GI-24	GRATE INLET-24	0.043	0.500	10.000	6.940

Q:\2020\20-374.003\Civil\Documents\Reports\STORM\20-374.003 pipe sizing.stsw

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

Scenario: 25yr
Current Time Step: 0.000 h
FlexTable: Manhole Table

Label	Elevation (Ground) (ft)	Elevation (Rim) (ft)	Flow (Known) (cfs)	Hydraulic Grade Line (In) (ft)	Hydraulic Grade Line (Out) (ft)
5'X5' OCS-1	17.00	17.00	52.38	16.97	16.97
5'X5' OCS-2	16.00	16.00	20.84	13.90	13.90
CURB INLET-1	16.95	16.95	0.00	15.64	15.64
CURB INLET-2	17.16	17.16	0.00	15.62	15.62
CURB INLET-3	16.94	16.94	0.00	14.12	14.12
GRATE INLET-1	19.28	19.28	0.00	15.71	15.71
GRATE INLET-2	17.59	17.59	0.00	15.69	15.69
GRATE INLET-3	17.00	17.00	0.00	15.70	15.70
GRATE INLET-4	17.58	17.58	0.00	15.74	15.74
GRATE INLET-5	16.88	16.88	0.00	15.73	15.73
GRATE INLET-6	17.22	17.22	0.00	16.84	16.84
GRATE INLET-7	18.81	18.81	0.00	16.43	16.43
GRATE INLET-8	18.00	18.00	0.00	16.29	16.29
GRATE INLET-9	18.53	18.53	0.00	16.11	16.11
GRATE INLET-10	17.66	17.66	0.00	15.89	15.89
GRATE INLET-11	16.77	16.77	0.00	15.72	15.72
GRATE INLET-12	16.04	16.04	0.00	15.98	15.98
GRATE INLET-13	18.26	18.26	0.00	17.56	17.56
GRATE INLET-14	18.06	18.06	0.00	17.52	17.52
GRATE INLET-15	16.86	16.86	0.00	15.77	15.77
GRATE INLET-16	18.54	18.54	0.00	15.58	15.58
GRATE INLET-17	17.81	17.81	0.00	15.65	15.65
GRATE INLET-18	17.25	17.25	0.00	15.54	15.54
GRATE INLET-19	16.87	16.87	0.00	15.13	15.13
GRATE INLET-21	19.58	19.58	0.00	15.27	15.27
GRATE INLET-22	18.76	18.76	0.00	15.10	15.10
GRATE INLET-23	17.94	17.94	0.00	14.71	14.71
GRATE INLET-24	17.13	17.13	0.00	14.30	14.30
MANHOLE -3	17.02	17.02	0.00	15.91	15.91
MANHOLE-2	18.26	18.26	0.00	15.64	15.64
MANHOLE-4	16.86	16.86	0.00	15.63	15.63

Q:\2020\20-374.003\Civil\Documents\Reports\STORM\20-374.003 pipe sizing.stsw

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

Scenario: 25yr
Current Time Step: 0.000 h
FlexTable: Conduit Table

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Unified) (ft)	Slope (Calculated) (ft/ft)	Material	Manning's n	Velocity (ft/s)	Flow (cfs)	Capacity (Full Flow) (cfs)	Hydraulic Grade Line (In) (ft)	Hydraulic Grade Line (Out) (ft)
Pipe - (28) (STORM)	GRATE INLET-21	14.79	GRATE INLET-22	14.46	15.0	109.2	0.003	PVC	0.010	3.33	1.45	4.62	15.27	15.10
Pipe - (29) (STORM)	GRATE INLET-22	14.36	GRATE INLET-23	14.03	15.0	109.8	0.003	PVC	0.010	4.00	3.00	4.60	15.10	14.73
Pipe - (30) (STORM)	GRATE INLET-23	13.93	GRATE INLET-24	12.85	15.0	107.4	0.010	PVC	0.010	6.64	3.70	8.42	14.71	14.30
Pipe - (31) (STORM)	GRATE INLET-24	12.65	FES-9 (STORM)	12.00	24.0	29.2	0.022	Concrete	0.013	7.11	3.80	33.74	14.30	14.30
Pipe - (32) (STORM)	GRATE INLET-16	14.50	GRATE INLET-18	13.85	18.0	213.3	0.003	Concrete	0.013	2.85	1.69	5.80	15.58	15.54
Pipe - (33) (STORM)	GRATE INLET-18	13.75	GRATE INLET-19	13.52	18.0	76.8	0.003	Concrete	0.013	4.30	7.60	5.75	15.54	15.13
Pipe - (34) (STORM)	GRATE INLET-19	13.42	CURB INLET-3	13.16	18.0	86.9	0.003	Concrete	0.013	5.15	9.11	5.74	15.13	14.33
Pipe - (35) (STORM)	CURB INLET-3	12.96	FES-8 (STORM)	12.00	24.0	42.6	0.023	Concrete	0.013	9.54	10.57	33.94	14.12	14.30
Pipe - (36) (STORM)	GRATE INLET-17	14.10	GRATE INLET-18	13.85	18.0	83.5	0.003	Concrete	0.013	2.17	3.83	5.75	15.65	15.54
Pipe - (37) (STORM)	GRATE INLET-6	14.51	GRATE INLET-7	13.94	18.0	192.2	0.003	Concrete	0.013	2.73	4.83	5.72	16.84	16.43
Pipe - (38) (STORM)	GRATE INLET-7	13.69	GRATE INLET-8	13.20	24.0	162.1	0.003	Concrete	0.013	2.16	6.80	12.44	16.43	16.29
Pipe - (39) (STORM)	GRATE INLET-8	13.10	GRATE INLET-9	12.75	24.0	117.8	0.003	Concrete	0.013	2.78	8.74	12.33	16.29	16.11
Pipe - (40) (STORM)	GRATE INLET-9	12.50	GRATE INLET-10	12.05	30.0	151.3	0.003	Concrete	0.013	3.18	15.60	22.36	16.11	15.89
Pipe - (41) (STORM)	GRATE INLET-10	11.95	GRATE INLET-11	11.65	30.0	98.3	0.003	Concrete	0.013	3.52	17.29	22.66	15.89	15.72
Pipe - (42) (STORM)	GRATE INLET-11	9.00	MANHOLE-2	8.75	36.0	78.5	0.003	Concrete	0.013	2.93	20.68	37.64	15.72	15.64
Pipe - (43) (STORM)	MANHOLE-2	8.65	FES-2 (STORM)	8.48	36.0	64.9	0.003	Concrete	0.013	2.87	20.25	34.13	15.64	15.58
Pipe - (44) (STORM)	GRATE INLET-1	14.50	GRATE INLET-2	14.16	18.0	112.2	0.003	Concrete	0.013	2.65	1.31	5.78	15.71	15.69
Pipe - (45) (STORM)	GRATE INLET-2	14.06	CURB INLET-1	13.82	18.0	89.3	0.003	Concrete	0.013	1.40	2.48	5.45	15.69	15.64
Pipe - (46) (STORM)	CURB INLET-1	11.56	FES-1 (STORM)	10.70	24.0	62.0	0.014	Concrete	0.013	2.27	7.14	26.65	15.64	15.58
Pipe - (49) (STORM)	GRATE INLET-4	13.16	GRATE INLET-5	12.97	18.0	42.6	0.004	Concrete	0.013	1.04	1.83	7.01	15.74	15.73
Pipe - (50) (STORM)	GRATE INLET-5	11.93	CURB INLET-1	11.66	18.0	84.7	0.003	Concrete	0.013	1.91	3.38	5.93	15.73	15.64
Pipe - (51) (STORM)	GRATE INLET-13	13.75	GRATE INLET-14	13.63	18.0	38.9	0.003	Concrete	0.013	1.97	3.48	5.83	17.56	17.52
Pipe - (52) (STORM)	GRATE INLET-14	13.53	MANHOLE -3	12.91	18.0	208.2	0.003	Concrete	0.013	5.22	9.22	5.73	17.52	15.91
Pipe - (53) (STORM)	MANHOLE -3	11.15	CURB INLET-2	10.85	24.0	99.1	0.003	Concrete	0.013	3.92	12.33	12.45	15.91	15.62
Pipe - (54) (STORM)	CURB INLET-2	10.70	FES-5 (STORM)	10.60	30.0	18.3	0.005	Concrete	0.013	3.77	18.52	30.29	15.62	15.58
Pipe - (55) (STORM)	GRATE INLET-12	11.83	MANHOLE -3	11.25	24.0	195.5	0.003	Concrete	0.013	1.35	4.25	12.32	15.98	15.91
Pipe - (56) (STORM)	GRATE INLET-15	13.50	MANHOLE-4	12.97	18.0	177.2	0.003	Concrete	0.013	1.67	2.96	5.74	15.77	15.63
Pipe - (57) (STORM)	MANHOLE-4	12.56	CURB INLET-2	12.36	24.0	66.7	0.003	Concrete	0.013	0.88	2.75	12.39	15.63	15.62
Pipe - (58) (STORM)(1)	FES-3 (STORM)	10.00	GRATE INLET-3	9.90	24.0	20.9	0.005	Concrete	0.013	5.41	17.00	15.64	15.82	15.70
Pipe - (58) (STORM)(2)(1)	GRATE INLET-3	9.80	FES-4 (STORM)	9.70	24.0	19.2	0.005	Concrete	0.013	5.77	18.12	16.34	15.70	15.58
Pipe - (59) (STORM)	5'X5' OCS-2	12.00	FES-7 (STORM)	11.90	24.0	24.3	0.004	Concrete	0.013	6.63	20.84	14.52	13.90	13.54
Pipe - (60) (STORM)	5'X5' OCS-1	12.00	FES-6 (STORM)	11.82	24.0	58.9	0.003	Concrete	0.013	16.67	52.38	12.51	16.97	13.80

Q:\2020\20-374.003\Civil\Documents\Reports\STORM\20-374.003 pipe sizing.stsw

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis

Scenario: 25yr
Current Time Step: 0.000 h
FlexTable: Catch Basin Table

Label	Elevation (Ground) (ft)	Elevation (Rim) (ft)	Flow (Known) (cfs)	Hydraulic Grade Line (In) (ft)
FES-3 (STORM)	16.00	16.00	17.00	15.82

Q:\2020\20-374.003\Civil\Documents\Reports\STORM\20-374.003 pipe sizing.stsw

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

Scenario: 25yr
Current Time Step: 0.000 h
FlexTable: Outfall Table

Label	Elevation (Ground) (ft)	Elevation (Invert) (ft)	Elevation (User Defined Tailwater) (ft)	Flow (Total Out) (cfs)	Hydraulic Grade (ft)
FES-1 (STORM)	17.00	10.70	15.58	7.00	15.58
FES-2 (STORM)	17.00	8.48	15.58	20.02	15.58
FES-4 (STORM)	16.00	9.50	15.58	18.12	15.58
FES-5 (STORM)	17.00	10.60	15.58	18.46	15.58
FES-6 (STORM)	16.00	11.82	12.00	52.38	13.80
FES-7 (STORM)	16.00	11.90	12.00	20.84	13.54
FES-8 (STORM)	16.00	12.00	14.30	10.53	14.30
FES-9 (STORM)	16.00	12.00	14.30	3.79	14.30

Q:\2020\20-374.003\Civil\Documents\Reports\STORM\20-374.003 pipe sizing.stsw

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

STORM SEWER CATCHMENT EXHIBIT

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Pipe Sizing Analysis 9.1.21 (2511 : Site Plan Review

MASTER HYDROLOGY REPORT

LMS COTTAGES
PORT WENTWORTH, GA

JULY 2021

Project# 20-374.003

COLEMAN COMPANY
ENGINEERS • SURVEYORS

PREPARED BY DILLON POWELL | PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGEMENT LLC

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

COLEMAN COMPANY
ENGINEERS • SURVEYORS

CONTENTS

SITE OVERVIEW 4

PRE-DEVELOPMENT ANALYSIS 4

WATERSHED DESCRIPTON 5
CURVE NUMBER 5
TIME OF CONCENTRATION 5
Sheet flow *5*
Shallow Concentrated Flow *6*
RUNOFF CALCULATIONS 6

POST-DEVELOPMENT ANALYSIS 7

WATERSHED DESCRIPTON 7
CURVE NUMBER 7
TIME OF CONCENTRATION 8
TAILWATER CONDITIONS 8
RUNOFF CALCULATIONS 8

CONCLUSIONS 8

APPENDICES:

A — PRE & POST DEVELOPMENT FLOW CALCULATIONS (POND PACK OUTPUT)
B — SOILS MAP

EXHIBITS:

PRE-DEVELOPED DRAINAGE EXHIBIT
POST-DEVELOPED DRAINAGE EXHIBIT

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

MASTER HYDROLOGY REPORT

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

COLEMAN COMPANY
ENGINEERS • SURVEYORS

SITE OVERVIEW

The 23.70-acre site is located on the west side of Georgia Highway 21 and north of Saussy Road in Port Wentworth, Georgia. The proposed development will consist of various types of multi-family attached residential units totaling approximately 200 units and the infrastructure to support it. The developable portion of the property is setback approximately 50 feet from Highway 21 and is connected to the public right-of-way by Saussy Road. This 60-foot public road right-of-way and will be re-paved and developed in accordance with the minimum standards as required by the City of Port Wentworth.

In its pre-developed state, the site consists of cleared land that is bisected by old logging roads and drainage canals. The property contains non-jurisdictional seasonal wetlands that are located on the property which serves as the initial receiving waters for the property and ultimately drains to the Savannah River. The soils found on site are predominantly in the hydrologic soil groups C & D and consists of Cape Fear, Ocilla Complex, Ogeechee Loamy Fine Sand, and Pooler Fine Sandy Loam.

Stormwater runoff generated from this site begins as sheet flow; it then travels in a shallow concentrated flow across the property until it enters one of the existing channels or until it enters the adjacent seasonal wetland that drain to the Savannah River. Hydraulic estimates of the stormwater runoff that would occur during storm events with 1-year, 2-year, 5-year, 10-year, 25-year, 50-year, and 100-year return frequencies were made utilizing the SCS Method for both the Pre-Developed and Post-Developed conditions in accordance with the *City of Port Wentworth Stormwater Design Manual.*

The calculation methods and equations used are in Appendix A. The results are presented below.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

COLEMAN COMPANY
ENGINEERS • SURVEYORS

PRE-DEVELOPED ANALYSIS

WATERSHED DESCRIPTON

The watershed for this property is divided into one drainage basin based on the existing topography. The basin drains directly to the northern seasonal wetlands. The site watershed has a consistent hydrologic condition consisting of cleared woods with underbrush in poor condition with C & D soil groups and flat slopes.

CURVE NUMBER

The hydrological soil type information has been superimposed over the drainage basin map and the acreages of the various soil types within each basin were then measured. Next, SCS Curve Numbers (CN) were assigned corresponding to the hydrological soil type and ground cover conditions. Finally, composite CN's were calculated for each basin. The results are tabulated below.

Pre-Dev Basin	Hyd. Soil Group	Cover Type	Hydrologic Condition	Area (ac)	CN	Composite CN
1	C/D	Woods	Poor	19.50	78	**78**

TIME OF CONCENTRATION

The times of concentration (T_c) for the basins were determined based on the travel times in each of the sheet flow, shallow concentrated flow, and channel flow segments.

Sheet flow

The *Pre-Developed Drainage Exhibit* shows the hydraulic flow-paths used for each drainage basin. As indicated, the runoff was assumed to sheet flow for the first 300ft. The roughness coefficient, n, and ground slope, S, along with the resultant travel time for the sheet flow segments of each basin are tabulated below.

Pre-Dev Drainage Basin	Roughness Coefficient n (--)	Ground Slope S (%)	Sheet Flow Travel Time T_{SH} (min)
1	0.04	0.80	**9.65**

Shallow Concentrated Flow

The following table shows the length and slope of the shallow concentrated flow-path, the average velocity, and the resulting travel time for each drainage basin.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

COLEMAN COMPANY
ENGINEERS • SURVEYORS

Drainage Basin	Paved (Y/N)	Flow Length (ft)	Ground Slope S (%)	Shallow Conc. Flow Travel Time Tc (min)
1	N	536	1.30	**4.86**

Total Time of Concentration

The total times of concentration (T_c) for each of the basins was determined by adding the travel times for the sheet, shallow concentrated, and channel flow regimes. The total times of concentration are shown in the following table.

Pre Dev Drainage Basin	Travel Time in Flow Regime (min)			
	Sheet Flow (min)	Shallow Conc. Flow (min)	Channel Flow (min)	Total Time of Concentration Tc (min)
1	**9.65**	**4.86**	**--**	**14.51**

Runoff Calculation

The above data were input into Pond Pack to generate the runoff hydrographs for each of the drainage basins based on the SCS Hydrograph Method. The program output is included as Appendix B - Pre-Development Flow Calculations. The following table summarizes the peak stormwater runoff rates calculated for the Pre-Development conditions.

Pre-Developed Runoff Rates (cfs)							
Outfall Name	Storm Recurrence Frequency						
	1yr	2yr	5yr	10yr	25yr	50yr	100yr
PRE OUT TO WETLANDS	24.62	40.21	56.54	66.51	83.42	97.09	110.77

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

COLEMAN COMPANY
ENGINEERS • SURVEYORS

POST-DEVELOPMENT ANALYSIS

WATERSHED DESCRIPTON

The proposed 23.70-acre development will consist of approximately 19.5-acres of developable upland. The proposed development will include approximately 200 multi-family attached units and the infrastructure to support them. Due to the increased runoff rates from the proposed development this site will require stormwater detention to reduce the off-site discharge to the Pre-Developed runoff rates. The stormwater detention for this of development has been master planned and will be accomplished within the proposed stormwater management facilities that will include proposed detention ponds, along with an interconnected collection and conveyance system, and outlet control structures that will ultimately provide controlled stormwater discharge into the seasonal wetlands.

The individual catchment areas for the contributing drainage areas were determined based on the proposed topography and their associated Curve Numbers, Times of Concentration, and runoff estimates were then calculated. The results are presented below.

CURVE NUMBERS

Urban Hydrology for Small Watersheds – TR55, Table 2-2a was used to determine the appropriate CN corresponding to the appropriate ground cover condition. The value for each CN, for each hydrological group was determined. A composite CN was calculated for each basin, taking into consideration impervious surfaces and is found in the table below.

Post Dev Basin	Hydrologic Soil Group	Ground Cover Type	Hydrologic Condition	Area (ac)	CN	Composite CN
POST AREA 1	C/D	multi-family w/ pond	Good	15.20	90	**90**
POST AREA 2	C/D	multi-family w/ pond	Good	4.30	90	**90**

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

COLEMAN COMPANY
ENGINEERS • SURVEYORS

TIME OF CONCENTRATION

The times of concentration (T_c) for the basins were assumed to be 10.0 minutes in the post-developed condition.

TAILWATER CONDITIONS

For the purposes of this analysis the tailwater for the system was assumed to be the existing ground condition at the main outfalls for each pond at elevation 12.00.

RUNOFF CALCULATIONS

The above data were input into Pond Pack to generate the runoff hydrographs for each of the drainage basins based on the SCS Hydrograph Method. The runoff hydrographs are then routed the proposed detention facility utilizing stage storage relationships based on the outfall control structure and respective inflow hydrograph. The program output is included as Appendix B – Pre and Post-Development Flow Calculations.

CONCLUSIONS

This hydrological study of the effects of developing this phase shows that the post-developed runoff rates do not exceed the pre-developed runoff rates. The allowable runoff rates for the post-developed outfall correspond to the pre-developed basins and are as follows:

Pre-Developed v. Post-Development Runoff Rates (cfs)

Pre Dev Outfall	Storm Recurrence Frequency						
	1yr	2yr	5yr	10yr	25yr	50yr	100yr
PRE OUT TO WETLANDS	24.62	40.21	56.54	66.51	83.42	97.09	110.77
Post Dev Outfall	**Storm Recurrence Frequency**						
	1yr	**2yr**	**5yr**	**10yr**	**25yr**	**50yr**	**100yr**
POST OUT TO WETLANDS	2.19	14.58	37.45	52.33	75.61	92.79	108.96

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

COLEMAN COMPANY
ENGINEERS • SURVEYORS

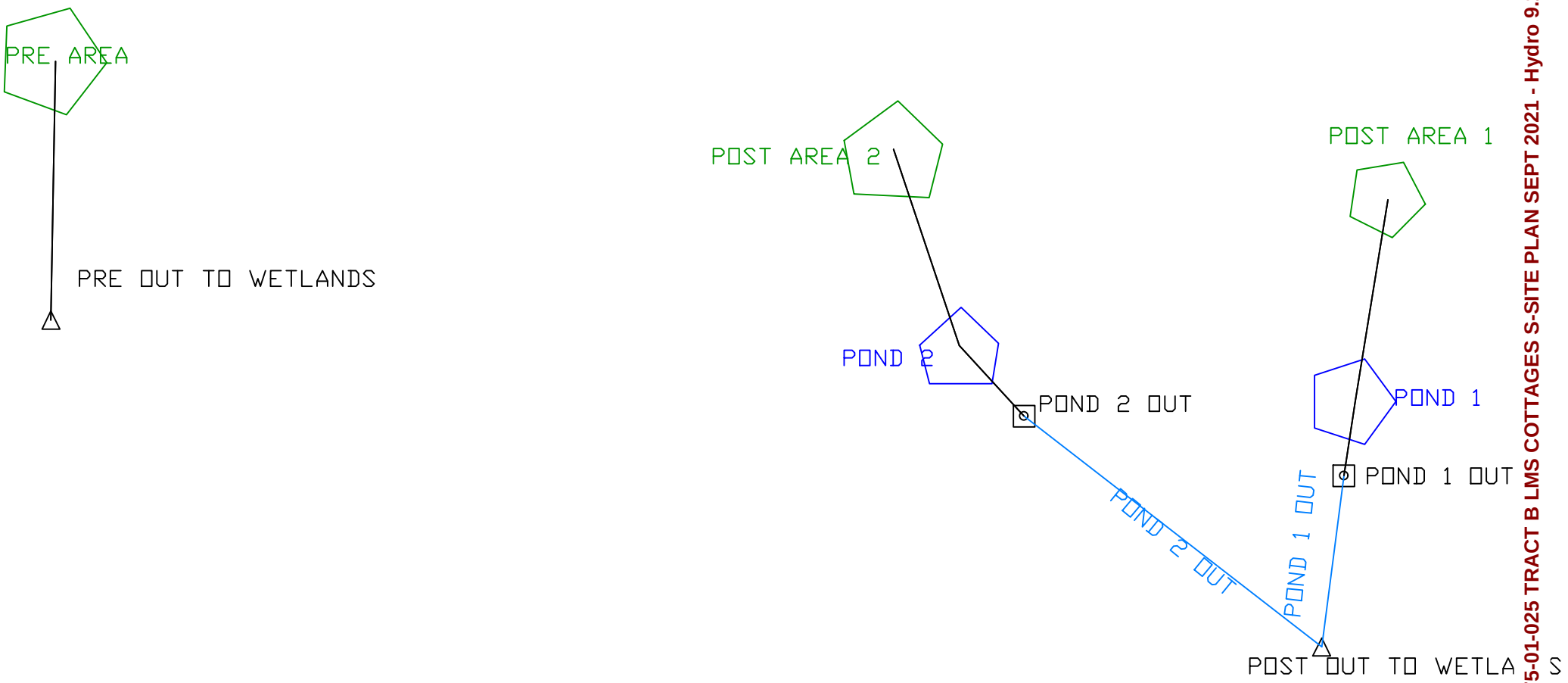
APPENDIX A
PRE & POST-DEVELOPMENT CALCULATIONS
(POND PACK OUTPUT)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Project Summary	
Title	LMS COTTAGES
Engineer	
Company	Coleman Company, Inc.
Date	7/13/2021

Notes	PRE & POST-DEVELOPMENT ANALYSIS FOR LMS COTTAGES

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-



Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site

Table of Contents

	Master Network Summary	2
PRE AREA	Time of Concentration Calculations, 1 years (Pre-Development 1 year)	6
	Unit Hydrograph Equations	8
POST AREA 1		
	Unit Hydrograph (Hydrograph Table), 1 years (Pre-Development 1 year)	10
	Unit Hydrograph (Hydrograph Table), 2 years (Pre-Development 2 year)	12
	Unit Hydrograph (Hydrograph Table), 5 years (Pre-Development 5 year)	15
	Unit Hydrograph (Hydrograph Table), 10 years (Pre-Development 10 year)	18
	Unit Hydrograph (Hydrograph Table), 25 years (Pre-Development 25 year)	21
	Unit Hydrograph (Hydrograph Table), 50 years (Pre-Development 50 year)	24
	Unit Hydrograph (Hydrograph Table), 100 years (Pre-Development 100 year)	27
POST AREA 2		
	Unit Hydrograph (Hydrograph Table), 1 years (Pre-Development 1 year)	30
	Unit Hydrograph (Hydrograph Table), 2 years (Pre-Development 2 year)	32
	Unit Hydrograph (Hydrograph Table), 5 years (Pre-Development 5 year)	35
	Unit Hydrograph (Hydrograph Table), 10 years (Pre-Development 10 year)	38
	Unit Hydrograph (Hydrograph Table), 25 years (Pre-Development 25 year)	41
	Unit Hydrograph (Hydrograph Table), 50 years (Pre-Development 50 year)	44
	Unit Hydrograph (Hydrograph Table), 100 years (Pre-Development 100 year)	47
PRE AREA		
	Unit Hydrograph (Hydrograph Table), 1 years (Pre-Development 1 year)	50
	Unit Hydrograph (Hydrograph Table), 2 years (Pre-Development 2 year)	52
	Unit Hydrograph (Hydrograph Table), 5 years (Pre-Development 5 year)	54
	Unit Hydrograph (Hydrograph Table), 10 years (Pre-Development 10 year)	56
	Unit Hydrograph (Hydrograph Table), 25 years (Pre-Development 25 year)	58
	Unit Hydrograph (Hydrograph Table), 50 years (Pre-Development 50 year)	60
	Unit Hydrograph (Hydrograph Table), 100 years (Pre-Development 100 year)	62
POND 1 OUT		
	Outlet Input Data, 1 years (Pre-Development 1 year)	64

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Table of Contents

POND 2 OUT

Outlet Input Data, 1 years (Pre-Development 1 year) 66

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (min)	Peak Flow (ft³/s)
POST AREA 2	Pre-Development 1 year	1	39,594.000	729.000	9.12
POST AREA 2	Pre-Development 2 year	2	57,391.000	729.000	13.02
POST AREA 2	Pre-Development 5 year	5	75,503.000	729.000	16.89
POST AREA 2	Pre-Development 10 year	10	86,459.000	729.000	19.20
POST AREA 2	Pre-Development 25 year	25	104,816.000	729.000	23.04
POST AREA 2	Pre-Development 50 year	50	119,563.000	729.000	26.09
POST AREA 2	Pre-Development 100 year	100	134,349.000	729.000	29.13
POST AREA 1	Pre-Development 1 year	1	154,234.000	729.000	35.52
POST AREA 1	Pre-Development 2 year	2	223,556.000	729.000	50.70
POST AREA 1	Pre-Development 5 year	5	294,109.000	729.000	65.80
POST AREA 1	Pre-Development 10 year	10	336,788.000	729.000	74.80
POST AREA 1	Pre-Development 25 year	25	408,296.000	729.000	89.73
POST AREA 1	Pre-Development 50 year	50	465,740.000	729.000	101.61
POST AREA 1	Pre-Development 100 year	100	523,335.000	729.000	113.45
PRE AREA	Pre-Development 1 year	1	122,345.000	735.000	24.62
PRE AREA	Pre-Development 2 year	2	197,748.000	735.000	40.21
PRE AREA	Pre-Development 5 year	5	278,392.000	735.000	56.54
PRE AREA	Pre-Development 10 year	10	328,420.000	735.000	66.51
PRE AREA	Pre-Development 25 year	25	413,697.000	732.000	83.42
PRE AREA	Pre-Development 50 year	50	483,186.000	732.000	97.09
PRE AREA	Pre-Development 100 year	100	553,510.000	732.000	110.77

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (min)	Peak Flow (ft³/s)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Master Network Summary

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (min)	Peak Flow (ft³/s)
POST OUT TO WETLANDS	Pre-Development 1 year	1	89,830.000	861.000	2.19
POST OUT TO WETLANDS	Pre-Development 2 year	2	169,056.000	759.000	14.58
POST OUT TO WETLANDS	Pre-Development 5 year	5	252,429.000	747.000	37.45
POST OUT TO WETLANDS	Pre-Development 10 year	10	303,874.000	744.000	52.33
POST OUT TO WETLANDS	Pre-Development 25 year	25	391,271.000	741.000	75.61
POST OUT TO WETLANDS	Pre-Development 50 year	50	462,038.000	738.000	92.79
POST OUT TO WETLANDS	Pre-Development 100 year	100	533,064.000	738.000	108.96
PRE OUT TO WETLANDS	Pre-Development 1 year	1	122,345.000	735.000	24.62
PRE OUT TO WETLANDS	Pre-Development 2 year	2	197,748.000	735.000	40.21
PRE OUT TO WETLANDS	Pre-Development 5 year	5	278,392.000	735.000	56.54
PRE OUT TO WETLANDS	Pre-Development 10 year	10	328,420.000	735.000	66.51
PRE OUT TO WETLANDS	Pre-Development 25 year	25	413,697.000	732.000	83.42
PRE OUT TO WETLANDS	Pre-Development 50 year	50	483,186.000	732.000	97.09
PRE OUT TO WETLANDS	Pre-Development 100 year	100	553,510.000	732.000	110.77

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (min)	Peak Flow (ft³/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft³)
POND 2 (IN)	Pre-Development 1 year	1	39,594.000	729.000	9.12	(N/A)	(N/A)
POND 2 (OUT)	Pre-Development 1 year	1	34,200.000	801.000	0.98	13.74	20,949.000
POND 2 (IN)	Pre-Development 2 year	2	57,391.000	729.000	13.02	(N/A)	(N/A)
POND 2 (OUT)	Pre-Development 2 year	2	50,275.000	747.000	6.50	13.99	24,391.000

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (min)	Peak Flow (ft³/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft³)
POND 2 (IN)	Pre-Development 5 year	5	75,503.000	729.000	16.89	(N/A)	(N/A)
POND 2 (OUT)	Pre-Development 5 year	5	66,862.000	738.000	13.11	14.14	26,395.000
POND 2 (IN)	Pre-Development 10 year	10	86,459.000	729.000	19.20	(N/A)	(N/A)
POND 2 (OUT)	Pre-Development 10 year	10	76,964.000	735.000	16.18	14.20	27,311.000
POND 2 (IN)	Pre-Development 25 year	25	104,816.000	729.000	23.04	(N/A)	(N/A)
POND 2 (OUT)	Pre-Development 25 year	25	93,944.000	735.000	20.80	14.30	28,700.000
POND 2 (IN)	Pre-Development 50 year	50	119,563.000	729.000	26.09	(N/A)	(N/A)
POND 2 (OUT)	Pre-Development 50 year	50	107,609.000	735.000	23.86	14.36	29,629.000
POND 2 (IN)	Pre-Development 100 year	100	134,349.000	729.000	29.13	(N/A)	(N/A)
POND 2 (OUT)	Pre-Development 100 year	100	121,375.000	735.000	26.72	14.42	30,505.000
POND 1 (IN)	Pre-Development 1 year	1	154,234.000	729.000	35.52	(N/A)	(N/A)
POND 1 (OUT)	Pre-Development 1 year	1	55,630.000	1,014.000	1.26	14.74	110,710.000
POND 1 (IN)	Pre-Development 2 year	2	223,556.000	729.000	50.70	(N/A)	(N/A)
POND 1 (OUT)	Pre-Development 2 year	2	118,782.000	765.000	9.94	15.06	126,571.000
POND 1 (IN)	Pre-Development 5 year	5	294,109.000	729.000	65.80	(N/A)	(N/A)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Master Network Summary

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (min)	Peak Flow (ft³/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft³)
POND 1 (OUT)	Pre-Development 5 year	5	185,568.000	750.000	27.27	15.43	145,506.000
POND 1 (IN)	Pre-Development 10 year	10	336,788.000	729.000	74.80	(N/A)	(N/A)
POND 1 (OUT)	Pre-Development 10 year	10	226,910.000	747.000	38.74	15.62	155,759.000
POND 1 (IN)	Pre-Development 25 year	25	408,296.000	729.000	89.73	(N/A)	(N/A)
POND 1 (OUT)	Pre-Development 25 year	25	297,327.000	741.000	56.99	15.89	170,684.000
POND 1 (IN)	Pre-Development 50 year	50	465,740.000	729.000	101.61	(N/A)	(N/A)
POND 1 (OUT)	Pre-Development 50 year	50	354,428.000	741.000	70.86	16.08	181,354.000
POND 1 (IN)	Pre-Development 100 year	100	523,335.000	729.000	113.45	(N/A)	(N/A)
POND 1 (OUT)	Pre-Development 100 year	100	411,689.000	738.000	83.34	16.23	190,093.000

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Time of Concentration Calculations
Label: PRE AREA
Scenario: Pre-Development 1 year

Return Event: 1 years
Storm Event: 1yr

Time of Concentration Results

Segment #1: TR-55 Sheet Flow	
Hydraulic Length	300.00 ft
Manning's n	0.040
Slope	0.008 ft/ft
2 Year 24 Hour Depth	4.8 in
Average Velocity	0.52 ft/s
Segment Time of Concentration	9.655 min

Segment #2: TR-55 Shallow Concentrated Flow	
Hydraulic Length	536.00 ft
Is Paved?	False
Slope	0.013 ft/ft
Average Velocity	1.84 ft/s
Segment Time of Concentration	4.856 min

Time of Concentration (Composite)	
Time of Concentration (Composite)	14.511 min

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Time of Concentration Calculations
Label: PRE AREA
Scenario: Pre-Development 1 year

Return Event: 1 years
Storm Event: 1yr

==== SCS Channel Flow

Tc = R = Qa / Wp
V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n

(Lf / V) / 3600

Where:
R= Hydraulic radius
Aq= Flow area, square feet
Wp= Wetted perimeter, feet
V= Velocity, ft/sec
Sf= Slope, ft/ft
n= Manning's n
Tc= Time of concentration, hours
Lf= Flow length, feet

==== SCS TR-55 Shallow Concentration Flow

Tc = Unpaved surface:
V = 16.1345 * (Sf**0.5)

Paved Surface:
V = 20.3282 * (Sf**0.5)

(Lf / V) / 3600

Where:
V= Velocity, ft/sec
Sf= Slope, ft/ft
Tc= Time of concentration, hours
Lf= Flow length, feet

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph Equations

Unit Hydrograph Method (Computational Notes)

Definition of Terms

At	Total area (acres): At = Ai+Ap
Ai	Impervious area (acres)
Ap	Pervious area (acres)
CNi	Runoff curve number for impervious area
CNp	Runoff curve number for pervious area
fLoss	f loss constant infiltration (depth/time)
gKs	Saturated Hydraulic Conductivity (depth/time)
Md	Volumetric Moisture Deficit
Psi	Capillary Suction (length)
hK	Horton Infiltration Decay Rate (time^-1)
fo	Initial Infiltration Rate (depth/time)
fc	Ultimate(capacity)Infiltration Rate (depth/time)
Ia	Initial Abstraction (length)
dt	Computational increment (duration of unit excess rainfall) Default dt is smallest value of 0.1333Tc, rtm, and th (Smallest dt is then adjusted to match up with Tp)
UDdt	User specified override computational main time increment (only used if UDdt is => .1333Tc)
D(t)	Point on distribution curve (fraction of P) for time step t
K	2 / (1 + (Tr/Tp)): default K = 0.75: (for Tr/Tp = 1.67)
Ks	Hydrograph shape factor = Unit Conversions * K: = ((1hr/3600sec) * (1ft/12in) * ((5280ft)**2/sq.mi)) * K Default Ks = 645.333 * 0.75 = 484
Lag	Lag time from center of excess runoff (dt) to Tp: Lag = 0.6Tc
P	Total precipitation depth, inches
Pa(t)	Accumulated rainfall at time step t
Pi(t)	Incremental rainfall at time step t
qp	Peak discharge (cfs) for 1in. runoff, for 1hr, for 1 sq.mi. = (Ks * A * Q) / Tp (where Q = 1in. runoff, A=sq.mi.)
Qu(t)	Unit hydrograph ordinate (cfs) at time step t
Q(t)	Final hydrograph ordinate (cfs) at time step t
Rai(t)	Accumulated runoff (inches) at time step t for impervious area
Rap(t)	Accumulated runoff (inches) at time step t for pervious area
Rii(t)	Incremental runoff (inches) at time step t for impervious area
Rip(t)	Incremental runoff (inches) at time step t for pervious area
R(t)	Incremental weighted total runoff (inches)
Rtm	Time increment for rainfall table
Si	S for impervious area: Si = (1000/CNi) - 10
Sp	S for pervious area: Sp = (1000/CNp) - 10
t	Time step (row) number
Tc	Time of concentration
Tb	Time (hrs) of entire unit hydrograph: Tb = Tp + Tr
Tp	Time (hrs) to peak of a unit hydrograph: Tp = (dt/2) + Lag
Tr	Time (hrs) of receding limb of unit hydrograph: Tr = ratio of Tp

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph Equations

Unit Hydrograph Method
Computational Notes
Precipitation

Column (1)	Time for time step t
Column (2)	D(t) = Point on distribution curve for time step t
Column (3)	Pi(t) = Pa(t) - Pa(t-1): Col.(4) - Preceding Col.(4)
Column (4)	Pa(t) = D(t) x P: Col.(2) x P

Pervious Area Runoff (using SCS Runoff CN Method)

Column (5)	Rap(t) = Accumulated pervious runoff for time step t
	If (Pa(t) is <= 0.2Sp) then use: Rap(t) = 0.0
	If (Pa(t) is > 0.2Sp) then use:
	
	Rap(t) = (Col.(4)-0.2Sp)**2 / (Col.(4)+0.8Sp)

Column (6)	Rip(t) = Incremental pervious runoff for time step t Rip(t) = Rap(t) - Rap(t-1) Rip(t) = Col.(5) for current row - Col.(5) for preceding row.

Impervious Area Runoff

Column (7 & 8)...	Did not specify to use impervious areas.

Incremental Weighted Runoff

Column (9)	R(t) = (Ap/At) x Rip(t) + (Ai/At) x Rii(t) R(t) = (Ap/At) x Col.(6) + (Ai/At) x Col.(8)

SCS Unit Hydrograph Method

Column (10)	Q(t) is computed with the SCS unit hydrograph method using R(t) and Qu(t).

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 1
Scenario: Pre-Development 1 year

Return Event: 1 years
Storm Event: 1yr

Storm Event	1yr
Return Event	1 years
Duration	1,440.000 min
Depth	3.6 in
Time of Concentration (Composite)	10.000 min
Area (User Defined)	16.750 acres

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
324.000	0.00	0.00	0.00	0.01	0.01
339.000	0.01	0.02	0.02	0.03	0.03
354.000	0.04	0.04	0.04	0.05	0.05
369.000	0.06	0.07	0.07	0.08	0.08
384.000	0.09	0.10	0.10	0.11	0.12
399.000	0.12	0.13	0.14	0.15	0.15
414.000	0.16	0.17	0.18	0.19	0.20
429.000	0.20	0.21	0.22	0.23	0.24
444.000	0.25	0.26	0.27	0.28	0.29
459.000	0.30	0.31	0.33	0.34	0.35
474.000	0.36	0.37	0.38	0.40	0.41
489.000	0.42	0.44	0.45	0.47	0.49
504.000	0.51	0.53	0.55	0.57	0.59
519.000	0.62	0.64	0.66	0.68	0.71
534.000	0.73	0.76	0.78	0.81	0.83
549.000	0.86	0.89	0.91	0.94	0.97
564.000	1.00	1.03	1.06	1.09	1.12
579.000	1.15	1.18	1.21	1.24	1.27
594.000	1.30	1.34	1.37	1.40	1.44
609.000	1.48	1.53	1.58	1.63	1.68
624.000	1.74	1.80	1.85	1.91	1.97
639.000	2.04	2.10	2.16	2.22	2.29
654.000	2.36	2.42	2.49	2.57	2.66
669.000	2.77	2.91	3.08	3.26	3.46
684.000	3.67	3.89	4.12	4.47	4.98
699.000	5.83	6.99	8.48	10.19	12.17
714.000	14.38	17.81	22.94	28.53	33.19
729.000	35.52	34.80	32.03	28.66	24.81
744.000	21.09	17.68	14.75	12.44	10.49
759.000	8.89	7.67	6.78	6.14	5.72
774.000	5.39	5.12	4.88	4.64	4.43
789.000	4.25	4.10	3.98	3.88	3.80
804.000	3.73	3.66	3.60	3.53	3.47
819.000	3.41	3.34	3.28	3.21	3.15

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 1
Scenario: Pre-Development 1 year

Return Event: 1 years
Storm Event: 1yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
834.000	3.08	3.02	2.95	2.89	2.83
849.000	2.78	2.73	2.69	2.65	2.62
864.000	2.59	2.56	2.52	2.49	2.46
879.000	2.43	2.40	2.37	2.34	2.31
894.000	2.27	2.24	2.21	2.18	2.15
909.000	2.12	2.08	2.05	2.02	1.99
924.000	1.96	1.93	1.89	1.86	1.83
939.000	1.80	1.77	1.73	1.70	1.67
954.000	1.64	1.61	1.58	1.54	1.52
969.000	1.49	1.47	1.45	1.43	1.42
984.000	1.40	1.39	1.37	1.36	1.35
999.000	1.33	1.32	1.30	1.29	1.28
1,014.000	1.26	1.25	1.23	1.22	1.21
1,029.000	1.19	1.18	1.16	1.15	1.14
1,044.000	1.12	1.11	1.09	1.08	1.07
1,059.000	1.05	1.04	1.03	1.01	1.00
1,074.000	0.98	0.97	0.95	0.94	0.93
1,089.000	0.92	0.91	0.90	0.90	0.89
1,104.000	0.89	0.88	0.88	0.87	0.87
1,119.000	0.87	0.86	0.86	0.85	0.85
1,134.000	0.85	0.84	0.84	0.83	0.83
1,149.000	0.82	0.82	0.82	0.81	0.81
1,164.000	0.80	0.80	0.80	0.79	0.79
1,179.000	0.78	0.78	0.77	0.77	0.77
1,194.000	0.76	0.76	0.75	0.75	0.74
1,209.000	0.74	0.74	0.73	0.73	0.73
1,224.000	0.72	0.72	0.72	0.71	0.71
1,239.000	0.71	0.70	0.70	0.70	0.70
1,254.000	0.69	0.69	0.69	0.68	0.68
1,269.000	0.68	0.67	0.67	0.67	0.66
1,284.000	0.66	0.66	0.65	0.65	0.65
1,299.000	0.65	0.64	0.64	0.64	0.63
1,314.000	0.63	0.63	0.62	0.62	0.62
1,329.000	0.61	0.61	0.61	0.60	0.60
1,344.000	0.60	0.59	0.59	0.59	0.59
1,359.000	0.58	0.58	0.58	0.57	0.57
1,374.000	0.57	0.56	0.56	0.56	0.55
1,389.000	0.55	0.55	0.54	0.54	0.54
1,404.000	0.53	0.53	0.53	0.53	0.52
1,419.000	0.52	0.52	0.51	0.51	0.51
1,434.000	0.50	0.50	0.50	(N/A)	(N/A)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 1
Scenario: Pre-Development 2 year

Return Event: 2 years
Storm Event: 2yr

Storm Event	2yr
Return Event	2 years
Duration	1,440.000 min
Depth	4.8 in
Time of Concentration (Composite)	10.000 min
Area (User Defined)	16.750 acres

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
258.000	0.00	0.00	0.00	0.01	0.01
273.000	0.02	0.02	0.03	0.04	0.04
288.000	0.05	0.06	0.06	0.07	0.08
303.000	0.08	0.09	0.10	0.10	0.11
318.000	0.12	0.12	0.13	0.14	0.15
333.000	0.15	0.16	0.17	0.17	0.18
348.000	0.19	0.20	0.20	0.21	0.22
363.000	0.23	0.24	0.24	0.25	0.26
378.000	0.27	0.29	0.30	0.31	0.32
393.000	0.33	0.34	0.36	0.37	0.38
408.000	0.40	0.41	0.42	0.44	0.45
423.000	0.47	0.48	0.50	0.51	0.53
438.000	0.54	0.56	0.57	0.59	0.61
453.000	0.62	0.64	0.66	0.67	0.69
468.000	0.71	0.73	0.74	0.76	0.78
483.000	0.80	0.82	0.84	0.87	0.90
498.000	0.93	0.96	0.99	1.02	1.05
513.000	1.09	1.12	1.16	1.19	1.23
528.000	1.26	1.30	1.34	1.38	1.42
543.000	1.45	1.49	1.53	1.57	1.62
558.000	1.66	1.70	1.74	1.79	1.83
573.000	1.87	1.92	1.96	2.01	2.05
588.000	2.10	2.14	2.19	2.24	2.29
603.000	2.34	2.39	2.45	2.51	2.59
618.000	2.66	2.74	2.83	2.91	3.00
633.000	3.09	3.17	3.26	3.35	3.44
648.000	3.53	3.63	3.72	3.81	3.91
663.000	4.02	4.15	4.32	4.53	4.77
678.000	5.04	5.33	5.64	5.96	6.29
693.000	6.80	7.56	8.81	10.52	12.71
708.000	15.20	18.05	21.21	26.09	33.36
723.000	41.21	47.63	50.70	49.47	45.37
738.000	40.46	34.90	29.57	24.72	20.59
753.000	17.34	14.61	12.37	10.66	9.42

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 1
Scenario: Pre-Development 2 year

Return Event: 2 years
Storm Event: 2yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
768.000	8.53	7.93	7.47	7.10	6.76
783.000	6.43	6.14	5.88	5.67	5.50
798.000	5.37	5.25	5.16	5.06	4.97
813.000	4.88	4.80	4.71	4.62	4.53
828.000	4.44	4.35	4.25	4.16	4.07
843.000	3.99	3.90	3.83	3.76	3.71
858.000	3.66	3.61	3.56	3.52	3.48
873.000	3.43	3.39	3.35	3.30	3.26
888.000	3.22	3.17	3.13	3.08	3.04
903.000	3.00	2.95	2.91	2.87	2.82
918.000	2.78	2.73	2.69	2.65	2.60
933.000	2.56	2.52	2.47	2.43	2.38
948.000	2.34	2.30	2.25	2.21	2.16
963.000	2.12	2.08	2.05	2.02	1.99
978.000	1.97	1.94	1.92	1.90	1.88
993.000	1.87	1.85	1.83	1.81	1.79
1,008.000	1.77	1.75	1.73	1.71	1.69
1,023.000	1.67	1.65	1.64	1.62	1.60
1,038.000	1.58	1.56	1.54	1.52	1.50
1,053.000	1.48	1.46	1.44	1.42	1.40
1,068.000	1.39	1.37	1.35	1.33	1.31
1,083.000	1.29	1.27	1.26	1.25	1.24
1,098.000	1.23	1.22	1.22	1.21	1.20
1,113.000	1.20	1.19	1.19	1.18	1.17
1,128.000	1.17	1.16	1.16	1.15	1.15
1,143.000	1.14	1.13	1.13	1.12	1.12
1,158.000	1.11	1.11	1.10	1.09	1.09
1,173.000	1.08	1.08	1.07	1.07	1.06
1,188.000	1.05	1.05	1.04	1.04	1.03
1,203.000	1.03	1.02	1.01	1.01	1.01
1,218.000	1.00	1.00	0.99	0.99	0.98
1,233.000	0.98	0.97	0.97	0.96	0.96
1,248.000	0.96	0.95	0.95	0.94	0.94
1,263.000	0.94	0.93	0.93	0.92	0.92
1,278.000	0.91	0.91	0.90	0.90	0.90
1,293.000	0.89	0.89	0.88	0.88	0.87
1,308.000	0.87	0.87	0.86	0.86	0.85
1,323.000	0.85	0.84	0.84	0.84	0.83
1,338.000	0.83	0.82	0.82	0.81	0.81
1,353.000	0.80	0.80	0.80	0.79	0.79
1,368.000	0.78	0.78	0.77	0.77	0.77
1,383.000	0.76	0.76	0.75	0.75	0.74
1,398.000	0.74	0.73	0.73	0.73	0.72

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 1
Scenario: Pre-Development 2 year

Return Event: 2 years
Storm Event: 2yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,413.000	0.72	0.71	0.71	0.70	0.70
1,428.000	0.70	0.69	0.69	0.68	0.68

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 1
Scenario: Pre-Development 5 year

Return Event: 5 years
Storm Event: 5yr

Storm Event	5yr
Return Event	5 years
Duration	1,440.000 min
Depth	6.0 in
Time of Concentration (Composite)	10.000 min
Area (User Defined)	16.750 acres

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
216.000	0.00	0.00	0.01	0.01	0.02
231.000	0.03	0.03	0.04	0.05	0.06
246.000	0.07	0.08	0.09	0.09	0.10
261.000	0.11	0.12	0.13	0.14	0.15
276.000	0.16	0.17	0.18	0.19	0.20
291.000	0.21	0.22	0.23	0.24	0.24
306.000	0.25	0.26	0.27	0.28	0.29
321.000	0.30	0.31	0.32	0.33	0.34
336.000	0.35	0.37	0.38	0.39	0.40
351.000	0.41	0.42	0.43	0.44	0.45
366.000	0.46	0.47	0.49	0.50	0.52
381.000	0.53	0.55	0.57	0.58	0.60
396.000	0.62	0.64	0.66	0.68	0.69
411.000	0.71	0.73	0.75	0.77	0.79
426.000	0.82	0.84	0.86	0.88	0.90
441.000	0.92	0.95	0.97	0.99	1.02
456.000	1.04	1.06	1.09	1.11	1.13
471.000	1.16	1.18	1.21	1.23	1.26
486.000	1.29	1.32	1.35	1.39	1.43
501.000	1.48	1.52	1.56	1.61	1.66
516.000	1.70	1.75	1.80	1.85	1.90
531.000	1.95	2.00	2.05	2.11	2.16
546.000	2.21	2.27	2.32	2.38	2.43
561.000	2.49	2.54	2.60	2.66	2.72
576.000	2.77	2.83	2.89	2.95	3.01
591.000	3.07	3.13	3.19	3.25	3.32
606.000	3.39	3.47	3.55	3.65	3.75
621.000	3.85	3.96	4.07	4.19	4.30
636.000	4.42	4.53	4.65	4.77	4.89
651.000	5.01	5.13	5.25	5.37	5.51
666.000	5.69	5.91	6.17	6.50	6.85
681.000	7.24	7.64	8.06	8.50	9.17
696.000	10.17	11.82	14.09	16.97	20.23
711.000	23.96	28.06	34.38	43.77	53.84

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 1
Scenario: Pre-Development 5 year

Return Event: 5 years
Storm Event: 5yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
726.000	62.00	65.80	64.05	58.61	52.16
741.000	44.91	37.98	31.70	26.38	22.19
756.000	18.69	15.82	13.62	12.03	10.89
771.000	10.12	9.54	9.06	8.62	8.21
786.000	7.82	7.50	7.23	7.02	6.84
801.000	6.70	6.57	6.45	6.34	6.22
816.000	6.11	5.99	5.88	5.76	5.65
831.000	5.53	5.42	5.30	5.18	5.07
846.000	4.97	4.87	4.79	4.72	4.65
861.000	4.59	4.53	4.48	4.42	4.36
876.000	4.31	4.25	4.20	4.14	4.09
891.000	4.03	3.98	3.92	3.86	3.81
906.000	3.75	3.70	3.64	3.59	3.53
921.000	3.47	3.42	3.36	3.31	3.25
936.000	3.19	3.14	3.08	3.03	2.97
951.000	2.91	2.86	2.80	2.75	2.69
966.000	2.64	2.60	2.56	2.52	2.49
981.000	2.47	2.44	2.42	2.39	2.37
996.000	2.34	2.32	2.29	2.27	2.25
1,011.000	2.22	2.20	2.17	2.15	2.12
1,026.000	2.10	2.08	2.05	2.03	2.00
1,041.000	1.98	1.95	1.93	1.90	1.88
1,056.000	1.85	1.83	1.81	1.78	1.76
1,071.000	1.73	1.71	1.68	1.66	1.63
1,086.000	1.61	1.59	1.58	1.57	1.56
1,101.000	1.55	1.54	1.53	1.53	1.52
1,116.000	1.51	1.50	1.50	1.49	1.48
1,131.000	1.47	1.47	1.46	1.45	1.45
1,146.000	1.44	1.43	1.42	1.42	1.41
1,161.000	1.40	1.39	1.39	1.38	1.37
1,176.000	1.36	1.36	1.35	1.34	1.34
1,191.000	1.33	1.32	1.31	1.31	1.30
1,206.000	1.29	1.28	1.28	1.27	1.27
1,221.000	1.26	1.26	1.25	1.24	1.24
1,236.000	1.23	1.23	1.22	1.22	1.21
1,251.000	1.21	1.20	1.19	1.19	1.19
1,266.000	1.18	1.17	1.17	1.16	1.16
1,281.000	1.15	1.15	1.14	1.13	1.13
1,296.000	1.12	1.12	1.11	1.11	1.10
1,311.000	1.10	1.09	1.09	1.08	1.07
1,326.000	1.07	1.06	1.06	1.05	1.05
1,341.000	1.04	1.03	1.03	1.02	1.02
1,356.000	1.01	1.01	1.00	1.00	0.99

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 1
Scenario: Pre-Development 5 year

Return Event: 5 years
Storm Event: 5yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,371.000	0.99	0.98	0.97	0.97	0.96
1,386.000	0.96	0.95	0.95	0.94	0.93
1,401.000	0.93	0.92	0.92	0.92	0.91
1,416.000	0.90	0.90	0.89	0.89	0.88
1,431.000	0.88	0.87	0.86	0.86	(N/A)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 1
Scenario: Pre-Development 10 year

Return Event: 10 years
Storm Event: 10yr

Storm Event	10yr
Return Event	10 years
Duration	1,440.000 min
Depth	6.7 in
Time of Concentration (Composite)	10.000 min
Area (User Defined)	16.750 acres

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
195.000	0.00	0.00	0.01	0.01	0.02
210.000	0.03	0.03	0.04	0.05	0.06
225.000	0.07	0.08	0.09	0.11	0.12
240.000	0.13	0.14	0.15	0.16	0.17
255.000	0.18	0.19	0.20	0.21	0.22
270.000	0.23	0.24	0.26	0.27	0.28
285.000	0.29	0.30	0.31	0.32	0.33
300.000	0.35	0.36	0.37	0.38	0.39
315.000	0.40	0.42	0.43	0.44	0.45
330.000	0.46	0.48	0.49	0.50	0.51
345.000	0.52	0.54	0.55	0.56	0.57
360.000	0.58	0.60	0.61	0.63	0.64
375.000	0.66	0.68	0.70	0.72	0.74
390.000	0.76	0.78	0.80	0.82	0.85
405.000	0.87	0.89	0.91	0.94	0.96
420.000	0.99	1.01	1.03	1.06	1.08
435.000	1.11	1.14	1.16	1.19	1.21
450.000	1.24	1.27	1.29	1.32	1.35
465.000	1.38	1.40	1.43	1.46	1.49
480.000	1.52	1.55	1.58	1.62	1.66
495.000	1.70	1.75	1.80	1.85	1.91
510.000	1.96	2.02	2.07	2.13	2.18
525.000	2.24	2.30	2.36	2.42	2.48
540.000	2.54	2.60	2.66	2.72	2.78
555.000	2.85	2.91	2.98	3.04	3.10
570.000	3.17	3.24	3.30	3.37	3.44
585.000	3.50	3.57	3.64	3.71	3.78
600.000	3.85	3.92	4.00	4.09	4.19
615.000	4.29	4.41	4.53	4.66	4.78
630.000	4.91	5.04	5.17	5.31	5.44
645.000	5.57	5.71	5.84	5.98	6.12
660.000	6.25	6.41	6.61	6.86	7.17
675.000	7.54	7.95	8.39	8.85	9.32
690.000	9.82	10.59	11.74	13.63	16.23

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 1
Scenario: Pre-Development 10 year

Return Event: 10 years
Storm Event: 10yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
705.000	19.52	23.25	27.50	32.16	39.34
720.000	49.99	61.38	70.58	74.80	72.74
735.000	66.50	59.14	50.87	42.99	35.86
750.000	29.83	25.08	21.12	17.87	15.39
765.000	13.59	12.30	11.43	10.77	10.23
780.000	9.74	9.26	8.83	8.46	8.16
795.000	7.92	7.72	7.56	7.41	7.28
810.000	7.15	7.02	6.89	6.76	6.63
825.000	6.50	6.37	6.24	6.11	5.98
840.000	5.85	5.72	5.60	5.49	5.40
855.000	5.32	5.24	5.17	5.11	5.05
870.000	4.98	4.92	4.86	4.80	4.73
885.000	4.67	4.61	4.54	4.48	4.42
900.000	4.36	4.29	4.23	4.17	4.10
915.000	4.04	3.98	3.91	3.85	3.79
930.000	3.73	3.66	3.60	3.54	3.47
945.000	3.41	3.35	3.28	3.22	3.16
960.000	3.09	3.03	2.98	2.93	2.88
975.000	2.84	2.81	2.78	2.75	2.72
990.000	2.69	2.67	2.64	2.61	2.58
1,005.000	2.56	2.53	2.50	2.47	2.45
1,020.000	2.42	2.39	2.36	2.34	2.31
1,035.000	2.28	2.25	2.23	2.20	2.17
1,050.000	2.14	2.12	2.09	2.06	2.03
1,065.000	2.01	1.98	1.95	1.92	1.90
1,080.000	1.87	1.84	1.82	1.79	1.78
1,095.000	1.76	1.75	1.74	1.73	1.73
1,110.000	1.72	1.71	1.70	1.69	1.69
1,125.000	1.68	1.67	1.66	1.65	1.64
1,140.000	1.64	1.63	1.62	1.61	1.60
1,155.000	1.59	1.59	1.58	1.57	1.56
1,170.000	1.55	1.54	1.54	1.53	1.52
1,185.000	1.51	1.50	1.50	1.49	1.48
1,200.000	1.47	1.46	1.45	1.45	1.44
1,215.000	1.43	1.43	1.42	1.41	1.41
1,230.000	1.40	1.40	1.39	1.38	1.38
1,245.000	1.37	1.36	1.36	1.35	1.34
1,260.000	1.34	1.33	1.33	1.32	1.31
1,275.000	1.31	1.30	1.30	1.29	1.28
1,290.000	1.28	1.27	1.26	1.26	1.25
1,305.000	1.24	1.24	1.24	1.23	1.22
1,320.000	1.22	1.21	1.20	1.20	1.19
1,335.000	1.18	1.18	1.17	1.16	1.16

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 1
Scenario: Pre-Development 10 year

Return Event: 10 years
Storm Event: 10yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,350.000	1.15	1.15	1.14	1.14	1.13
1,365.000	1.12	1.12	1.11	1.10	1.10
1,380.000	1.09	1.08	1.08	1.07	1.06
1,395.000	1.06	1.05	1.05	1.04	1.04
1,410.000	1.03	1.02	1.02	1.01	1.00
1,425.000	1.00	0.99	0.98	0.98	0.97
1,440.000	0.96	(N/A)	(N/A)	(N/A)	(N/A)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 1
Scenario: Pre-Development 25 year

Return Event: 25 years
Storm Event: 25yr

Storm Event	25yr
Return Event	25 years
Duration	1,440.000 min
Depth	7.9 in
Time of Concentration (Composite)	10.000 min
Area (User Defined)	16.750 acres

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
168.000	0.00	0.00	0.01	0.01	0.02
183.000	0.03	0.04	0.05	0.06	0.08
198.000	0.09	0.10	0.11	0.13	0.14
213.000	0.15	0.17	0.18	0.19	0.20
228.000	0.22	0.23	0.24	0.26	0.27
243.000	0.28	0.30	0.31	0.33	0.34
258.000	0.35	0.37	0.38	0.40	0.41
273.000	0.42	0.44	0.45	0.47	0.48
288.000	0.49	0.51	0.52	0.54	0.55
303.000	0.57	0.58	0.60	0.61	0.62
318.000	0.64	0.65	0.67	0.68	0.70
333.000	0.71	0.73	0.74	0.76	0.77
348.000	0.79	0.80	0.82	0.83	0.85
363.000	0.86	0.88	0.90	0.92	0.94
378.000	0.97	0.99	1.02	1.04	1.07
393.000	1.10	1.12	1.15	1.18	1.21
408.000	1.24	1.27	1.30	1.33	1.36
423.000	1.39	1.42	1.45	1.48	1.51
438.000	1.54	1.58	1.61	1.64	1.67
453.000	1.71	1.74	1.77	1.81	1.84
468.000	1.88	1.91	1.95	1.98	2.02
483.000	2.05	2.09	2.14	2.19	2.25
498.000	2.31	2.37	2.43	2.50	2.57
513.000	2.63	2.70	2.77	2.84	2.91
528.000	2.98	3.05	3.13	3.20	3.27
543.000	3.35	3.42	3.50	3.57	3.65
558.000	3.73	3.80	3.88	3.96	4.04
573.000	4.12	4.20	4.28	4.36	4.44
588.000	4.52	4.60	4.68	4.76	4.84
603.000	4.93	5.03	5.13	5.25	5.38
618.000	5.52	5.67	5.82	5.97	6.13
633.000	6.29	6.44	6.60	6.76	6.92
648.000	7.08	7.24	7.40	7.57	7.73
663.000	7.92	8.16	8.46	8.83	9.28

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 1
Scenario: Pre-Development 25 year

Return Event: 25 years
Storm Event: 25yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
678.000	9.77	10.30	10.86	11.43	12.03
693.000	12.96	14.35	16.64	19.78	23.76
708.000	28.25	33.37	38.96	47.56	60.30
723.000	73.89	84.79	89.73	87.15	79.59
738.000	70.71	60.76	51.30	42.77	35.55
753.000	29.89	25.15	21.28	18.32	16.17
768.000	14.63	13.60	12.81	12.17	11.58
783.000	11.02	10.50	10.06	9.70	9.41
798.000	9.18	8.98	8.81	8.65	8.50
813.000	8.34	8.19	8.03	7.88	7.72
828.000	7.57	7.41	7.26	7.10	6.95
843.000	6.80	6.65	6.53	6.41	6.32
858.000	6.23	6.14	6.07	5.99	5.92
873.000	5.84	5.77	5.69	5.62	5.54
888.000	5.47	5.40	5.32	5.24	5.17
903.000	5.10	5.02	4.95	4.87	4.80
918.000	4.72	4.65	4.57	4.50	4.42
933.000	4.35	4.27	4.20	4.12	4.05
948.000	3.97	3.90	3.82	3.75	3.67
963.000	3.60	3.53	3.47	3.42	3.37
978.000	3.33	3.30	3.26	3.23	3.20
993.000	3.16	3.13	3.10	3.07	3.03
1,008.000	3.00	2.97	2.94	2.90	2.87
1,023.000	2.84	2.80	2.77	2.74	2.71
1,038.000	2.67	2.64	2.61	2.57	2.54
1,053.000	2.51	2.48	2.44	2.41	2.38
1,068.000	2.35	2.31	2.28	2.25	2.22
1,083.000	2.18	2.15	2.13	2.11	2.09
1,098.000	2.08	2.07	2.06	2.05	2.04
1,113.000	2.03	2.02	2.01	2.00	1.99
1,128.000	1.98	1.97	1.96	1.95	1.94
1,143.000	1.93	1.92	1.91	1.90	1.89
1,158.000	1.88	1.87	1.86	1.85	1.84
1,173.000	1.83	1.82	1.81	1.80	1.79
1,188.000	1.78	1.77	1.76	1.75	1.74
1,203.000	1.73	1.72	1.71	1.71	1.70
1,218.000	1.69	1.68	1.68	1.67	1.66
1,233.000	1.65	1.65	1.64	1.63	1.62
1,248.000	1.62	1.61	1.60	1.59	1.59
1,263.000	1.58	1.57	1.57	1.56	1.55
1,278.000	1.54	1.54	1.53	1.52	1.51
1,293.000	1.50	1.50	1.49	1.48	1.48
1,308.000	1.47	1.46	1.46	1.45	1.44

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 1
Scenario: Pre-Development 25 year

Return Event: 25 years
Storm Event: 25yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,323.000	1.43	1.43	1.42	1.41	1.40
1,338.000	1.39	1.39	1.38	1.37	1.37
1,353.000	1.36	1.35	1.35	1.34	1.33
1,368.000	1.32	1.31	1.31	1.30	1.29
1,383.000	1.29	1.28	1.27	1.26	1.25
1,398.000	1.25	1.24	1.23	1.23	1.22
1,413.000	1.21	1.20	1.20	1.19	1.18
1,428.000	1.17	1.17	1.16	1.15	1.14

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 1
Scenario: Pre-Development 50 year

Return Event: 50 years
Storm Event: 50yr

Storm Event	50yr
Return Event	50 years
Duration	1,440.000 min
Depth	8.9 in
Time of Concentration (Composite)	10.000 min
Area (User Defined)	16.750 acres

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
153.000	0.00	0.00	0.01	0.02	0.03
168.000	0.04	0.05	0.07	0.08	0.10
183.000	0.11	0.13	0.14	0.16	0.17
198.000	0.19	0.20	0.22	0.23	0.25
213.000	0.26	0.28	0.29	0.31	0.32
228.000	0.34	0.36	0.37	0.39	0.40
243.000	0.42	0.44	0.45	0.47	0.48
258.000	0.50	0.52	0.53	0.55	0.57
273.000	0.58	0.60	0.62	0.63	0.65
288.000	0.67	0.68	0.70	0.72	0.73
303.000	0.75	0.77	0.78	0.80	0.82
318.000	0.83	0.85	0.87	0.88	0.90
333.000	0.92	0.94	0.95	0.97	0.99
348.000	1.00	1.02	1.04	1.05	1.07
363.000	1.09	1.11	1.13	1.15	1.18
378.000	1.21	1.24	1.27	1.30	1.33
393.000	1.36	1.40	1.43	1.46	1.50
408.000	1.53	1.56	1.60	1.63	1.67
423.000	1.70	1.74	1.78	1.81	1.85
438.000	1.89	1.92	1.96	2.00	2.04
453.000	2.07	2.11	2.15	2.19	2.23
468.000	2.27	2.31	2.35	2.39	2.43
483.000	2.47	2.52	2.57	2.63	2.69
498.000	2.76	2.83	2.91	2.98	3.06
513.000	3.14	3.22	3.30	3.38	3.46
528.000	3.54	3.62	3.70	3.79	3.87
543.000	3.96	4.04	4.13	4.21	4.30
558.000	4.39	4.48	4.56	4.65	4.74
573.000	4.83	4.92	5.01	5.10	5.19
588.000	5.28	5.37	5.46	5.56	5.65
603.000	5.75	5.85	5.98	6.11	6.26
618.000	6.42	6.58	6.75	6.93	7.10
633.000	7.28	7.46	7.64	7.81	8.00
648.000	8.18	8.36	8.54	8.72	8.91

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 1
Scenario: Pre-Development 50 year

Return Event: 50 years
Storm Event: 50yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
663.000	9.12	9.39	9.74	10.16	10.66
678.000	11.22	11.83	12.46	13.11	13.80
693.000	14.85	16.44	19.04	22.61	27.14
708.000	32.24	38.04	44.37	54.10	68.51
723.000	83.84	96.11	101.61	98.62	90.01
738.000	79.92	68.63	57.92	48.26	40.11
753.000	33.71	28.37	23.99	20.65	18.23
768.000	16.50	15.33	14.44	13.72	13.05
783.000	12.42	11.84	11.34	10.93	10.61
798.000	10.34	10.12	9.93	9.75	9.57
813.000	9.40	9.22	9.05	8.87	8.70
828.000	8.52	8.35	8.17	8.00	7.82
843.000	7.65	7.49	7.35	7.22	7.11
858.000	7.01	6.92	6.83	6.75	6.66
873.000	6.58	6.50	6.41	6.33	6.24
888.000	6.16	6.07	5.99	5.90	5.82
903.000	5.74	5.65	5.57	5.48	5.40
918.000	5.31	5.23	5.15	5.06	4.98
933.000	4.89	4.81	4.72	4.64	4.55
948.000	4.47	4.39	4.30	4.21	4.13
963.000	4.05	3.98	3.91	3.85	3.80
978.000	3.75	3.71	3.67	3.63	3.60
993.000	3.56	3.52	3.49	3.45	3.41
1,008.000	3.38	3.34	3.30	3.27	3.23
1,023.000	3.19	3.16	3.12	3.08	3.04
1,038.000	3.01	2.97	2.93	2.90	2.86
1,053.000	2.82	2.79	2.75	2.71	2.68
1,068.000	2.64	2.60	2.57	2.53	2.49
1,083.000	2.46	2.42	2.40	2.37	2.35
1,098.000	2.34	2.33	2.31	2.30	2.29
1,113.000	2.28	2.27	2.26	2.25	2.24
1,128.000	2.23	2.22	2.20	2.19	2.18
1,143.000	2.17	2.16	2.15	2.14	2.13
1,158.000	2.12	2.10	2.09	2.08	2.07
1,173.000	2.06	2.05	2.04	2.03	2.02
1,188.000	2.01	1.99	1.98	1.97	1.96
1,203.000	1.95	1.94	1.93	1.92	1.91
1,218.000	1.90	1.89	1.89	1.88	1.87
1,233.000	1.86	1.85	1.84	1.83	1.82
1,248.000	1.82	1.81	1.80	1.79	1.79
1,263.000	1.78	1.77	1.76	1.75	1.74
1,278.000	1.74	1.73	1.72	1.71	1.70
1,293.000	1.69	1.68	1.68	1.67	1.66

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 1
Scenario: Pre-Development 50 year

Return Event: 50 years
Storm Event: 50yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,308.000	1.65	1.65	1.64	1.63	1.62
1,323.000	1.61	1.60	1.59	1.59	1.58
1,338.000	1.57	1.56	1.55	1.54	1.54
1,353.000	1.53	1.52	1.51	1.51	1.50
1,368.000	1.49	1.48	1.47	1.46	1.45
1,383.000	1.45	1.44	1.43	1.42	1.41
1,398.000	1.40	1.39	1.39	1.38	1.37
1,413.000	1.36	1.35	1.35	1.34	1.33
1,428.000	1.32	1.31	1.30	1.29	1.29

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 1
Scenario: Pre-Development 100 year

Return Event: 100 years
Storm Event: 100yr

Storm Event	100yr
Return Event	100 years
Duration	1,440.000 min
Depth	9.8 in
Time of Concentration (Composite)	10.000 min
Area (User Defined)	16.750 acres

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
138.000	0.00	0.00	0.01	0.02	0.03
153.000	0.04	0.06	0.07	0.09	0.11
168.000	0.12	0.14	0.16	0.17	0.19
183.000	0.21	0.22	0.24	0.26	0.28
198.000	0.29	0.31	0.33	0.35	0.36
213.000	0.38	0.40	0.42	0.44	0.45
228.000	0.47	0.49	0.51	0.53	0.55
243.000	0.56	0.58	0.60	0.62	0.64
258.000	0.66	0.68	0.70	0.71	0.73
273.000	0.75	0.77	0.79	0.81	0.83
288.000	0.85	0.87	0.89	0.90	0.92
303.000	0.94	0.96	0.98	1.00	1.02
318.000	1.04	1.06	1.08	1.10	1.11
333.000	1.13	1.15	1.17	1.19	1.21
348.000	1.23	1.25	1.27	1.29	1.31
363.000	1.33	1.35	1.37	1.40	1.43
378.000	1.46	1.50	1.53	1.57	1.60
393.000	1.64	1.68	1.72	1.75	1.79
408.000	1.83	1.87	1.91	1.95	1.99
423.000	2.03	2.07	2.11	2.15	2.19
438.000	2.23	2.28	2.32	2.36	2.40
453.000	2.45	2.49	2.53	2.58	2.62
468.000	2.67	2.71	2.75	2.80	2.84
483.000	2.89	2.94	3.00	3.07	3.14
498.000	3.22	3.30	3.39	3.47	3.56
513.000	3.65	3.74	3.83	3.92	4.01
528.000	4.10	4.19	4.29	4.38	4.48
543.000	4.57	4.67	4.76	4.86	4.95
558.000	5.05	5.15	5.25	5.35	5.45
573.000	5.55	5.64	5.74	5.85	5.95
588.000	6.05	6.15	6.25	6.35	6.45
603.000	6.56	6.68	6.82	6.97	7.13
618.000	7.31	7.50	7.69	7.88	8.08
633.000	8.27	8.47	8.67	8.87	9.07

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 1
Scenario: Pre-Development 100 year

Return Event: 100 years
Storm Event: 100yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
648.000	9.27	9.47	9.68	9.88	10.08
663.000	10.33	10.62	11.01	11.48	12.05
678.000	12.67	13.36	14.06	14.79	15.55
693.000	16.73	18.51	21.43	25.44	30.51
708.000	36.22	42.70	49.76	60.62	76.68
723.000	93.75	107.38	113.45	110.05	100.40
738.000	89.10	76.48	64.51	53.75	44.65
753.000	37.52	31.57	26.70	22.98	20.29
768.000	18.35	17.06	16.06	15.26	14.52
783.000	13.81	13.16	12.61	12.16	11.80
798.000	11.50	11.25	11.04	10.84	10.65
813.000	10.45	10.26	10.06	9.87	9.67
828.000	9.48	9.28	9.09	8.89	8.70
843.000	8.51	8.33	8.17	8.03	7.91
858.000	7.79	7.69	7.59	7.50	7.41
873.000	7.31	7.22	7.13	7.03	6.94
888.000	6.84	6.75	6.66	6.56	6.47
903.000	6.38	6.28	6.19	6.09	6.00
918.000	5.91	5.81	5.72	5.63	5.53
933.000	5.44	5.34	5.25	5.16	5.06
948.000	4.97	4.87	4.78	4.68	4.59
963.000	4.50	4.42	4.34	4.28	4.22
978.000	4.17	4.12	4.08	4.04	4.00
993.000	3.96	3.92	3.87	3.83	3.79
1,008.000	3.75	3.71	3.67	3.63	3.59
1,023.000	3.55	3.51	3.47	3.42	3.38
1,038.000	3.34	3.30	3.26	3.22	3.18
1,053.000	3.14	3.10	3.05	3.01	2.97
1,068.000	2.93	2.89	2.85	2.81	2.77
1,083.000	2.73	2.69	2.66	2.64	2.62
1,098.000	2.60	2.58	2.57	2.56	2.55
1,113.000	2.53	2.52	2.51	2.50	2.48
1,128.000	2.47	2.46	2.45	2.44	2.42
1,143.000	2.41	2.40	2.39	2.37	2.36
1,158.000	2.35	2.34	2.33	2.31	2.30
1,173.000	2.29	2.28	2.26	2.25	2.24
1,188.000	2.23	2.22	2.20	2.19	2.18
1,203.000	2.17	2.15	2.14	2.13	2.12
1,218.000	2.11	2.10	2.09	2.08	2.08
1,233.000	2.07	2.06	2.05	2.04	2.03
1,248.000	2.02	2.01	2.00	1.99	1.98
1,263.000	1.98	1.97	1.96	1.95	1.94
1,278.000	1.93	1.92	1.91	1.90	1.89

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 1
Scenario: Pre-Development 100 year

Return Event: 100 years
Storm Event: 100yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,293.000	1.88	1.87	1.86	1.85	1.84
1,308.000	1.84	1.83	1.82	1.81	1.80
1,323.000	1.79	1.78	1.77	1.76	1.75
1,338.000	1.74	1.73	1.72	1.72	1.71
1,353.000	1.70	1.69	1.68	1.67	1.66
1,368.000	1.65	1.64	1.63	1.62	1.61
1,383.000	1.61	1.59	1.58	1.58	1.57
1,398.000	1.56	1.55	1.54	1.53	1.52
1,413.000	1.51	1.50	1.49	1.49	1.48
1,428.000	1.47	1.46	1.45	1.44	1.43

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 2
Scenario: Pre-Development 1 year

Return Event: 1 years
Storm Event: 1yr

Storm Event	1yr
Return Event	1 years
Duration	1,440.000 min
Depth	3.6 in
Time of Concentration (Composite)	10.000 min
Area (User Defined)	4.300 acres

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
330.000	0.00	0.00	0.00	0.00	0.00
345.000	0.01	0.01	0.01	0.01	0.01
360.000	0.01	0.01	0.01	0.02	0.02
375.000	0.02	0.02	0.02	0.02	0.02
390.000	0.03	0.03	0.03	0.03	0.03
405.000	0.04	0.04	0.04	0.04	0.04
420.000	0.05	0.05	0.05	0.05	0.05
435.000	0.06	0.06	0.06	0.06	0.07
450.000	0.07	0.07	0.08	0.08	0.08
465.000	0.08	0.09	0.09	0.09	0.10
480.000	0.10	0.10	0.10	0.11	0.11
495.000	0.12	0.12	0.13	0.13	0.14
510.000	0.14	0.15	0.15	0.16	0.16
525.000	0.17	0.18	0.18	0.19	0.19
540.000	0.20	0.21	0.21	0.22	0.23
555.000	0.23	0.24	0.25	0.26	0.26
570.000	0.27	0.28	0.29	0.29	0.30
585.000	0.31	0.32	0.33	0.33	0.34
600.000	0.35	0.36	0.37	0.38	0.39
615.000	0.40	0.42	0.43	0.45	0.46
630.000	0.48	0.49	0.51	0.52	0.54
645.000	0.55	0.57	0.59	0.60	0.62
660.000	0.64	0.66	0.68	0.71	0.75
675.000	0.79	0.84	0.89	0.94	1.00
690.000	1.06	1.15	1.28	1.50	1.80
705.000	2.18	2.62	3.13	3.69	4.57
720.000	5.89	7.33	8.52	9.12	8.93
735.000	8.22	7.36	6.37	5.41	4.54
750.000	3.79	3.19	2.69	2.28	1.97
765.000	1.74	1.58	1.47	1.38	1.31
780.000	1.25	1.19	1.14	1.09	1.05
795.000	1.02	1.00	0.98	0.96	0.94
810.000	0.92	0.91	0.89	0.87	0.86
825.000	0.84	0.82	0.81	0.79	0.77

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 2
Scenario: Pre-Development 1 year

Return Event: 1 years
Storm Event: 1yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
840.000	0.76	0.74	0.73	0.71	0.70
855.000	0.69	0.68	0.67	0.66	0.66
870.000	0.65	0.64	0.63	0.62	0.62
885.000	0.61	0.60	0.59	0.58	0.58
900.000	0.57	0.56	0.55	0.54	0.54
915.000	0.53	0.52	0.51	0.50	0.49
930.000	0.49	0.48	0.47	0.46	0.45
945.000	0.45	0.44	0.43	0.42	0.41
960.000	0.40	0.40	0.39	0.38	0.38
975.000	0.37	0.37	0.36	0.36	0.36
990.000	0.35	0.35	0.35	0.34	0.34
1,005.000	0.33	0.33	0.33	0.32	0.32
1,020.000	0.32	0.31	0.31	0.31	0.30
1,035.000	0.30	0.30	0.29	0.29	0.28
1,050.000	0.28	0.28	0.27	0.27	0.27
1,065.000	0.26	0.26	0.26	0.25	0.25
1,080.000	0.25	0.24	0.24	0.24	0.23
1,095.000	0.23	0.23	0.23	0.23	0.23
1,110.000	0.23	0.22	0.22	0.22	0.22
1,125.000	0.22	0.22	0.22	0.22	0.22
1,140.000	0.21	0.21	0.21	0.21	0.21
1,155.000	0.21	0.21	0.21	0.21	0.21
1,170.000	0.20	0.20	0.20	0.20	0.20
1,185.000	0.20	0.20	0.20	0.20	0.19
1,200.000	0.19	0.19	0.19	0.19	0.19
1,215.000	0.19	0.19	0.19	0.19	0.19
1,230.000	0.18	0.18	0.18	0.18	0.18
1,245.000	0.18	0.18	0.18	0.18	0.18
1,260.000	0.18	0.18	0.17	0.17	0.17
1,275.000	0.17	0.17	0.17	0.17	0.17
1,290.000	0.17	0.17	0.17	0.17	0.16
1,305.000	0.16	0.16	0.16	0.16	0.16
1,320.000	0.16	0.16	0.16	0.16	0.16
1,335.000	0.16	0.16	0.15	0.15	0.15
1,350.000	0.15	0.15	0.15	0.15	0.15
1,365.000	0.15	0.15	0.15	0.15	0.14
1,380.000	0.14	0.14	0.14	0.14	0.14
1,395.000	0.14	0.14	0.14	0.14	0.14
1,410.000	0.14	0.13	0.13	0.13	0.13
1,425.000	0.13	0.13	0.13	0.13	0.13
1,440.000	0.13	(N/A)	(N/A)	(N/A)	(N/A)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 2
Scenario: Pre-Development 2 year

Return Event: 2 years
Storm Event: 2yr

Storm Event	2yr
Return Event	2 years
Duration	1,440.000 min
Depth	4.8 in
Time of Concentration (Composite)	10.000 min
Area (User Defined)	4.300 acres

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
264.000	0.00	0.00	0.00	0.00	0.01
279.000	0.01	0.01	0.01	0.01	0.01
294.000	0.02	0.02	0.02	0.02	0.02
309.000	0.02	0.03	0.03	0.03	0.03
324.000	0.03	0.04	0.04	0.04	0.04
339.000	0.04	0.04	0.05	0.05	0.05
354.000	0.05	0.05	0.06	0.06	0.06
369.000	0.06	0.07	0.07	0.07	0.07
384.000	0.08	0.08	0.08	0.09	0.09
399.000	0.09	0.09	0.10	0.10	0.11
414.000	0.11	0.11	0.12	0.12	0.12
429.000	0.13	0.13	0.13	0.14	0.14
444.000	0.15	0.15	0.16	0.16	0.16
459.000	0.17	0.17	0.18	0.18	0.19
474.000	0.19	0.20	0.20	0.21	0.21
489.000	0.22	0.22	0.23	0.24	0.25
504.000	0.25	0.26	0.27	0.28	0.29
519.000	0.30	0.31	0.32	0.32	0.33
534.000	0.34	0.35	0.36	0.37	0.38
549.000	0.39	0.40	0.41	0.43	0.44
564.000	0.45	0.46	0.47	0.48	0.49
579.000	0.50	0.52	0.53	0.54	0.55
594.000	0.56	0.57	0.59	0.60	0.61
609.000	0.63	0.65	0.66	0.68	0.70
624.000	0.73	0.75	0.77	0.79	0.81
639.000	0.84	0.86	0.88	0.91	0.93
654.000	0.95	0.98	1.00	1.03	1.07
669.000	1.11	1.16	1.22	1.29	1.37
684.000	1.45	1.53	1.62	1.75	1.94
699.000	2.26	2.70	3.26	3.90	4.63
714.000	5.45	6.70	8.56	10.58	12.23
729.000	13.02	12.70	11.65	10.39	8.96
744.000	7.59	6.35	5.29	4.45	3.75
759.000	3.18	2.74	2.42	2.19	2.04

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 2
Scenario: Pre-Development 2 year

Return Event: 2 years
Storm Event: 2yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
774.000	1.92	1.82	1.74	1.65	1.57
789.000	1.51	1.46	1.41	1.38	1.35
804.000	1.32	1.30	1.28	1.25	1.23
819.000	1.21	1.18	1.16	1.14	1.12
834.000	1.09	1.07	1.05	1.02	1.00
849.000	0.98	0.97	0.95	0.94	0.93
864.000	0.91	0.90	0.89	0.88	0.87
879.000	0.86	0.85	0.84	0.83	0.81
894.000	0.80	0.79	0.78	0.77	0.76
909.000	0.75	0.74	0.72	0.71	0.70
924.000	0.69	0.68	0.67	0.66	0.65
939.000	0.63	0.62	0.61	0.60	0.59
954.000	0.58	0.57	0.56	0.54	0.53
969.000	0.53	0.52	0.51	0.50	0.50
984.000	0.49	0.49	0.48	0.48	0.47
999.000	0.47	0.46	0.46	0.45	0.45
1,014.000	0.44	0.44	0.43	0.43	0.42
1,029.000	0.42	0.41	0.41	0.41	0.40
1,044.000	0.40	0.39	0.39	0.38	0.38
1,059.000	0.37	0.37	0.36	0.36	0.35
1,074.000	0.35	0.34	0.34	0.33	0.33
1,089.000	0.32	0.32	0.32	0.32	0.31
1,104.000	0.31	0.31	0.31	0.31	0.31
1,119.000	0.30	0.30	0.30	0.30	0.30
1,134.000	0.30	0.30	0.29	0.29	0.29
1,149.000	0.29	0.29	0.29	0.29	0.28
1,164.000	0.28	0.28	0.28	0.28	0.28
1,179.000	0.28	0.27	0.27	0.27	0.27
1,194.000	0.27	0.27	0.26	0.26	0.26
1,209.000	0.26	0.26	0.26	0.26	0.26
1,224.000	0.25	0.25	0.25	0.25	0.25
1,239.000	0.25	0.25	0.25	0.25	0.24
1,254.000	0.24	0.24	0.24	0.24	0.24
1,269.000	0.24	0.24	0.24	0.23	0.23
1,284.000	0.23	0.23	0.23	0.23	0.23
1,299.000	0.23	0.23	0.22	0.22	0.22
1,314.000	0.22	0.22	0.22	0.22	0.22
1,329.000	0.22	0.21	0.21	0.21	0.21
1,344.000	0.21	0.21	0.21	0.21	0.21
1,359.000	0.20	0.20	0.20	0.20	0.20
1,374.000	0.20	0.20	0.20	0.20	0.19
1,389.000	0.19	0.19	0.19	0.19	0.19
1,404.000	0.19	0.19	0.19	0.18	0.18

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 2
Scenario: Pre-Development 2 year

Return Event: 2 years
Storm Event: 2yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,419.000	0.18	0.18	0.18	0.18	0.18
1,434.000	0.18	0.17	0.17	(N/A)	(N/A)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 2
Scenario: Pre-Development 5 year

Return Event: 5 years
Storm Event: 5yr

Storm Event	5yr
Return Event	5 years
Duration	1,440.000 min
Depth	6.0 in
Time of Concentration (Composite)	10.000 min
Area (User Defined)	4.300 acres

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
219.000	0.00	0.00	0.00	0.00	0.01
234.000	0.01	0.01	0.01	0.02	0.02
249.000	0.02	0.02	0.02	0.03	0.03
264.000	0.03	0.03	0.04	0.04	0.04
279.000	0.04	0.05	0.05	0.05	0.05
294.000	0.06	0.06	0.06	0.06	0.07
309.000	0.07	0.07	0.07	0.08	0.08
324.000	0.08	0.08	0.09	0.09	0.09
339.000	0.09	0.10	0.10	0.10	0.10
354.000	0.11	0.11	0.11	0.12	0.12
369.000	0.12	0.12	0.13	0.13	0.14
384.000	0.14	0.15	0.15	0.15	0.16
399.000	0.16	0.17	0.17	0.18	0.18
414.000	0.19	0.19	0.20	0.20	0.21
429.000	0.21	0.22	0.23	0.23	0.24
444.000	0.24	0.25	0.25	0.26	0.27
459.000	0.27	0.28	0.28	0.29	0.30
474.000	0.30	0.31	0.32	0.32	0.33
489.000	0.34	0.35	0.36	0.37	0.38
504.000	0.39	0.40	0.41	0.43	0.44
519.000	0.45	0.46	0.48	0.49	0.50
534.000	0.51	0.53	0.54	0.55	0.57
549.000	0.58	0.60	0.61	0.62	0.64
564.000	0.65	0.67	0.68	0.70	0.71
579.000	0.73	0.74	0.76	0.77	0.79
594.000	0.80	0.82	0.83	0.85	0.87
609.000	0.89	0.91	0.94	0.96	0.99
624.000	1.02	1.05	1.08	1.10	1.13
639.000	1.16	1.19	1.22	1.25	1.29
654.000	1.32	1.35	1.38	1.42	1.46
669.000	1.52	1.59	1.67	1.76	1.86
684.000	1.96	2.07	2.18	2.35	2.61
699.000	3.03	3.62	4.36	5.19	6.15
714.000	7.20	8.83	11.24	13.82	15.92

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 2
Scenario: Pre-Development 5 year

Return Event: 5 years
Storm Event: 5yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
729.000	16.89	16.44	15.04	13.39	11.53
744.000	9.75	8.14	6.77	5.70	4.80
759.000	4.06	3.50	3.09	2.80	2.60
774.000	2.45	2.33	2.21	2.11	2.01
789.000	1.92	1.86	1.80	1.76	1.72
804.000	1.69	1.66	1.63	1.60	1.57
819.000	1.54	1.51	1.48	1.45	1.42
834.000	1.39	1.36	1.33	1.30	1.28
849.000	1.25	1.23	1.21	1.19	1.18
864.000	1.16	1.15	1.13	1.12	1.11
879.000	1.09	1.08	1.06	1.05	1.04
894.000	1.02	1.01	0.99	0.98	0.96
909.000	0.95	0.93	0.92	0.91	0.89
924.000	0.88	0.86	0.85	0.83	0.82
939.000	0.81	0.79	0.78	0.76	0.75
954.000	0.73	0.72	0.70	0.69	0.68
969.000	0.67	0.66	0.65	0.64	0.63
984.000	0.63	0.62	0.61	0.61	0.60
999.000	0.60	0.59	0.58	0.58	0.57
1,014.000	0.56	0.56	0.55	0.54	0.54
1,029.000	0.53	0.53	0.52	0.51	0.51
1,044.000	0.50	0.49	0.49	0.48	0.48
1,059.000	0.47	0.46	0.46	0.45	0.44
1,074.000	0.44	0.43	0.43	0.42	0.41
1,089.000	0.41	0.41	0.40	0.40	0.40
1,104.000	0.40	0.39	0.39	0.39	0.39
1,119.000	0.39	0.38	0.38	0.38	0.38
1,134.000	0.38	0.37	0.37	0.37	0.37
1,149.000	0.37	0.37	0.36	0.36	0.36
1,164.000	0.36	0.36	0.35	0.35	0.35
1,179.000	0.35	0.35	0.34	0.34	0.34
1,194.000	0.34	0.34	0.34	0.33	0.33
1,209.000	0.33	0.33	0.33	0.33	0.32
1,224.000	0.32	0.32	0.32	0.32	0.32
1,239.000	0.32	0.31	0.31	0.31	0.31
1,254.000	0.31	0.31	0.31	0.30	0.30
1,269.000	0.30	0.30	0.30	0.30	0.30
1,284.000	0.29	0.29	0.29	0.29	0.29
1,299.000	0.29	0.29	0.28	0.28	0.28
1,314.000	0.28	0.28	0.28	0.28	0.27
1,329.000	0.27	0.27	0.27	0.27	0.27
1,344.000	0.27	0.26	0.26	0.26	0.26
1,359.000	0.26	0.26	0.26	0.25	0.25

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 2
Scenario: Pre-Development 5 year

Return Event: 5 years
Storm Event: 5yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,374.000	0.25	0.25	0.25	0.25	0.25
1,389.000	0.24	0.24	0.24	0.24	0.24
1,404.000	0.24	0.24	0.23	0.23	0.23
1,419.000	0.23	0.23	0.23	0.23	0.22
1,434.000	0.22	0.22	0.22	(N/A)	(N/A)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 2
Scenario: Pre-Development 10 year

Return Event: 10 years
Storm Event: 10yr

Storm Event	10yr
Return Event	10 years
Duration	1,440.000 min
Depth	6.7 in
Time of Concentration (Composite)	10.000 min
Area (User Defined)	4.300 acres

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
198.000	0.00	0.00	0.00	0.00	0.01
213.000	0.01	0.01	0.01	0.02	0.02
228.000	0.02	0.02	0.03	0.03	0.03
243.000	0.03	0.04	0.04	0.04	0.05
258.000	0.05	0.05	0.05	0.06	0.06
273.000	0.06	0.07	0.07	0.07	0.07
288.000	0.08	0.08	0.08	0.09	0.09
303.000	0.09	0.09	0.10	0.10	0.10
318.000	0.11	0.11	0.11	0.12	0.12
333.000	0.12	0.13	0.13	0.13	0.13
348.000	0.14	0.14	0.14	0.15	0.15
363.000	0.15	0.16	0.16	0.16	0.17
378.000	0.17	0.18	0.18	0.19	0.19
393.000	0.20	0.21	0.21	0.22	0.22
408.000	0.23	0.23	0.24	0.25	0.25
423.000	0.26	0.27	0.27	0.28	0.28
438.000	0.29	0.30	0.30	0.31	0.32
453.000	0.33	0.33	0.34	0.35	0.35
468.000	0.36	0.37	0.38	0.38	0.39
483.000	0.40	0.41	0.42	0.43	0.44
498.000	0.45	0.46	0.48	0.49	0.50
513.000	0.52	0.53	0.55	0.56	0.58
528.000	0.59	0.61	0.62	0.64	0.65
543.000	0.67	0.68	0.70	0.71	0.73
558.000	0.75	0.76	0.78	0.80	0.81
573.000	0.83	0.85	0.86	0.88	0.90
588.000	0.92	0.93	0.95	0.97	0.99
603.000	1.01	1.03	1.05	1.07	1.10
618.000	1.13	1.16	1.20	1.23	1.26
633.000	1.29	1.33	1.36	1.40	1.43
648.000	1.46	1.50	1.53	1.57	1.60
663.000	1.65	1.70	1.76	1.84	1.94
678.000	2.04	2.15	2.27	2.39	2.52
693.000	2.72	3.01	3.50	4.17	5.01

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 2
Scenario: Pre-Development 10 year

Return Event: 10 years
Storm Event: 10yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
708.000	5.97	7.06	8.26	10.10	12.83
723.000	15.76	18.12	19.20	18.67	17.07
738.000	15.18	13.06	11.04	9.21	7.66
753.000	6.44	5.42	4.59	3.95	3.49
768.000	3.16	2.93	2.76	2.63	2.50
783.000	2.38	2.27	2.17	2.09	2.03
798.000	1.98	1.94	1.90	1.87	1.84
813.000	1.80	1.77	1.74	1.70	1.67
828.000	1.64	1.60	1.57	1.53	1.50
843.000	1.47	1.44	1.41	1.39	1.37
858.000	1.35	1.33	1.31	1.30	1.28
873.000	1.26	1.25	1.23	1.21	1.20
888.000	1.18	1.17	1.15	1.13	1.12
903.000	1.10	1.09	1.07	1.05	1.04
918.000	1.02	1.00	0.99	0.97	0.96
933.000	0.94	0.92	0.91	0.89	0.88
948.000	0.86	0.84	0.83	0.81	0.79
963.000	0.78	0.76	0.75	0.74	0.73
978.000	0.72	0.71	0.71	0.70	0.69
993.000	0.68	0.68	0.67	0.66	0.66
1,008.000	0.65	0.64	0.64	0.63	0.62
1,023.000	0.61	0.61	0.60	0.59	0.59
1,038.000	0.58	0.57	0.56	0.56	0.55
1,053.000	0.54	0.54	0.53	0.52	0.52
1,068.000	0.51	0.50	0.49	0.49	0.48
1,083.000	0.47	0.47	0.46	0.46	0.45
1,098.000	0.45	0.45	0.45	0.44	0.44
1,113.000	0.44	0.44	0.43	0.43	0.43
1,128.000	0.43	0.43	0.42	0.42	0.42
1,143.000	0.42	0.42	0.41	0.41	0.41
1,158.000	0.41	0.40	0.40	0.40	0.40
1,173.000	0.40	0.39	0.39	0.39	0.39
1,188.000	0.39	0.38	0.38	0.38	0.38
1,203.000	0.38	0.37	0.37	0.37	0.37
1,218.000	0.37	0.36	0.36	0.36	0.36
1,233.000	0.36	0.36	0.35	0.35	0.35
1,248.000	0.35	0.35	0.35	0.35	0.34
1,263.000	0.34	0.34	0.34	0.34	0.34
1,278.000	0.33	0.33	0.33	0.33	0.33
1,293.000	0.33	0.32	0.32	0.32	0.32
1,308.000	0.32	0.32	0.32	0.31	0.31
1,323.000	0.31	0.31	0.31	0.31	0.30
1,338.000	0.30	0.30	0.30	0.30	0.30

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 2
Scenario: Pre-Development 10 year

Return Event: 10 years
Storm Event: 10yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,353.000	0.29	0.29	0.29	0.29	0.29
1,368.000	0.29	0.28	0.28	0.28	0.28
1,383.000	0.28	0.28	0.27	0.27	0.27
1,398.000	0.27	0.27	0.27	0.27	0.26
1,413.000	0.26	0.26	0.26	0.26	0.26
1,428.000	0.25	0.25	0.25	0.25	0.25

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 2
Scenario: Pre-Development 25 year

Return Event: 25 years
Storm Event: 25yr

Storm Event	25yr
Return Event	25 years
Duration	1,440.000 min
Depth	7.9 in
Time of Concentration (Composite)	10.000 min
Area (User Defined)	4.300 acres

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
171.000	0.00	0.00	0.00	0.00	0.01
186.000	0.01	0.01	0.02	0.02	0.02
201.000	0.03	0.03	0.03	0.04	0.04
216.000	0.04	0.05	0.05	0.05	0.06
231.000	0.06	0.06	0.07	0.07	0.07
246.000	0.08	0.08	0.08	0.09	0.09
261.000	0.09	0.10	0.10	0.11	0.11
276.000	0.11	0.12	0.12	0.12	0.13
291.000	0.13	0.13	0.14	0.14	0.15
306.000	0.15	0.15	0.16	0.16	0.16
321.000	0.17	0.17	0.18	0.18	0.18
336.000	0.19	0.19	0.19	0.20	0.20
351.000	0.21	0.21	0.21	0.22	0.22
366.000	0.23	0.23	0.24	0.24	0.25
381.000	0.25	0.26	0.27	0.27	0.28
396.000	0.29	0.30	0.30	0.31	0.32
411.000	0.33	0.33	0.34	0.35	0.36
426.000	0.36	0.37	0.38	0.39	0.40
441.000	0.40	0.41	0.42	0.43	0.44
456.000	0.45	0.46	0.46	0.47	0.48
471.000	0.49	0.50	0.51	0.52	0.53
486.000	0.54	0.55	0.56	0.58	0.59
501.000	0.61	0.62	0.64	0.66	0.68
516.000	0.69	0.71	0.73	0.75	0.77
531.000	0.78	0.80	0.82	0.84	0.86
546.000	0.88	0.90	0.92	0.94	0.96
561.000	0.98	1.00	1.02	1.04	1.06
576.000	1.08	1.10	1.12	1.14	1.16
591.000	1.18	1.20	1.22	1.24	1.27
606.000	1.29	1.32	1.35	1.38	1.42
621.000	1.46	1.49	1.53	1.57	1.61
636.000	1.65	1.69	1.73	1.78	1.82
651.000	1.86	1.90	1.94	1.98	2.03
666.000	2.09	2.17	2.27	2.38	2.51

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 2
Scenario: Pre-Development 25 year

Return Event: 25 years
Storm Event: 25yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
681.000	2.65	2.79	2.93	3.09	3.33
696.000	3.69	4.27	5.08	6.10	7.25
711.000	8.57	10.00	12.21	15.48	18.97
726.000	21.77	23.04	22.37	20.43	18.15
741.000	15.60	13.17	10.98	9.13	7.67
756.000	6.46	5.46	4.70	4.15	3.76
771.000	3.49	3.29	3.12	2.97	2.83
786.000	2.70	2.58	2.49	2.42	2.36
801.000	2.31	2.26	2.22	2.18	2.14
816.000	2.10	2.06	2.02	1.98	1.94
831.000	1.90	1.86	1.82	1.78	1.74
846.000	1.71	1.68	1.65	1.62	1.60
861.000	1.58	1.56	1.54	1.52	1.50
876.000	1.48	1.46	1.44	1.42	1.40
891.000	1.39	1.37	1.35	1.33	1.31
906.000	1.29	1.27	1.25	1.23	1.21
921.000	1.19	1.17	1.15	1.14	1.12
936.000	1.10	1.08	1.06	1.04	1.02
951.000	1.00	0.98	0.96	0.94	0.92
966.000	0.91	0.89	0.88	0.87	0.86
981.000	0.85	0.84	0.83	0.82	0.81
996.000	0.80	0.80	0.79	0.78	0.77
1,011.000	0.76	0.75	0.75	0.74	0.73
1,026.000	0.72	0.71	0.70	0.69	0.69
1,041.000	0.68	0.67	0.66	0.65	0.64
1,056.000	0.64	0.63	0.62	0.61	0.60
1,071.000	0.59	0.59	0.58	0.57	0.56
1,086.000	0.55	0.55	0.54	0.54	0.53
1,101.000	0.53	0.53	0.53	0.52	0.52
1,116.000	0.52	0.52	0.51	0.51	0.51
1,131.000	0.51	0.50	0.50	0.50	0.50
1,146.000	0.49	0.49	0.49	0.49	0.48
1,161.000	0.48	0.48	0.48	0.47	0.47
1,176.000	0.47	0.47	0.46	0.46	0.46
1,191.000	0.46	0.45	0.45	0.45	0.45
1,206.000	0.44	0.44	0.44	0.44	0.43
1,221.000	0.43	0.43	0.43	0.43	0.42
1,236.000	0.42	0.42	0.42	0.42	0.41
1,251.000	0.41	0.41	0.41	0.41	0.41
1,266.000	0.40	0.40	0.40	0.40	0.40
1,281.000	0.39	0.39	0.39	0.39	0.39
1,296.000	0.38	0.38	0.38	0.38	0.38
1,311.000	0.38	0.37	0.37	0.37	0.37

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 2
Scenario: Pre-Development 25 year

Return Event: 25 years
Storm Event: 25yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,326.000	0.37	0.36	0.36	0.36	0.36
1,341.000	0.36	0.35	0.35	0.35	0.35
1,356.000	0.35	0.35	0.34	0.34	0.34
1,371.000	0.34	0.34	0.33	0.33	0.33
1,386.000	0.33	0.33	0.32	0.32	0.32
1,401.000	0.32	0.32	0.32	0.31	0.31
1,416.000	0.31	0.31	0.31	0.30	0.30
1,431.000	0.30	0.30	0.30	0.29	(N/A)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 2
Scenario: Pre-Development 50 year

Return Event: 50 years
Storm Event: 50yr

Storm Event	50yr
Return Event	50 years
Duration	1,440.000 min
Depth	8.9 in
Time of Concentration (Composite)	10.000 min
Area (User Defined)	4.300 acres

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
156.000	0.00	0.00	0.00	0.01	0.01
171.000	0.01	0.02	0.02	0.02	0.03
186.000	0.03	0.04	0.04	0.04	0.05
201.000	0.05	0.06	0.06	0.06	0.07
216.000	0.07	0.08	0.08	0.08	0.09
231.000	0.09	0.10	0.10	0.10	0.11
246.000	0.11	0.12	0.12	0.12	0.13
261.000	0.13	0.14	0.14	0.15	0.15
276.000	0.15	0.16	0.16	0.17	0.17
291.000	0.18	0.18	0.18	0.19	0.19
306.000	0.20	0.20	0.21	0.21	0.21
321.000	0.22	0.22	0.23	0.23	0.24
336.000	0.24	0.24	0.25	0.25	0.26
351.000	0.26	0.27	0.27	0.28	0.28
366.000	0.28	0.29	0.30	0.30	0.31
381.000	0.32	0.33	0.33	0.34	0.35
396.000	0.36	0.37	0.38	0.38	0.39
411.000	0.40	0.41	0.42	0.43	0.44
426.000	0.45	0.46	0.47	0.47	0.48
441.000	0.49	0.50	0.51	0.52	0.53
456.000	0.54	0.55	0.56	0.57	0.58
471.000	0.59	0.60	0.61	0.62	0.63
486.000	0.65	0.66	0.67	0.69	0.71
501.000	0.73	0.75	0.77	0.79	0.81
516.000	0.83	0.85	0.87	0.89	0.91
531.000	0.93	0.95	0.97	0.99	1.02
546.000	1.04	1.06	1.08	1.10	1.13
561.000	1.15	1.17	1.19	1.22	1.24
576.000	1.26	1.29	1.31	1.33	1.36
591.000	1.38	1.40	1.43	1.45	1.48
606.000	1.50	1.53	1.57	1.61	1.65
621.000	1.69	1.73	1.78	1.82	1.87
636.000	1.91	1.96	2.01	2.05	2.10
651.000	2.15	2.19	2.24	2.29	2.34

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 2
Scenario: Pre-Development 50 year

Return Event: 50 years
Storm Event: 50yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
666.000	2.41	2.50	2.61	2.74	2.88
681.000	3.04	3.20	3.37	3.54	3.81
696.000	4.22	4.89	5.81	6.97	8.28
711.000	9.77	11.39	13.89	17.59	21.52
726.000	24.67	26.09	25.32	23.11	20.52
741.000	17.62	14.87	12.39	10.30	8.65
756.000	7.28	6.16	5.30	4.68	4.23
771.000	3.94	3.71	3.52	3.35	3.19
786.000	3.04	2.91	2.81	2.72	2.65
801.000	2.60	2.55	2.50	2.46	2.41
816.000	2.37	2.32	2.28	2.23	2.19
831.000	2.14	2.10	2.05	2.01	1.96
846.000	1.92	1.89	1.85	1.83	1.80
861.000	1.78	1.75	1.73	1.71	1.69
876.000	1.67	1.65	1.62	1.60	1.58
891.000	1.56	1.54	1.52	1.49	1.47
906.000	1.45	1.43	1.41	1.39	1.36
921.000	1.34	1.32	1.30	1.28	1.26
936.000	1.23	1.21	1.19	1.17	1.15
951.000	1.13	1.10	1.08	1.06	1.04
966.000	1.02	1.00	0.99	0.97	0.96
981.000	0.95	0.94	0.93	0.92	0.91
996.000	0.90	0.89	0.89	0.88	0.87
1,011.000	0.86	0.85	0.84	0.83	0.82
1,026.000	0.81	0.80	0.79	0.78	0.77
1,041.000	0.76	0.75	0.74	0.73	0.73
1,056.000	0.72	0.71	0.70	0.69	0.68
1,071.000	0.67	0.66	0.65	0.64	0.63
1,086.000	0.62	0.61	0.61	0.60	0.60
1,101.000	0.60	0.59	0.59	0.59	0.59
1,116.000	0.58	0.58	0.58	0.57	0.57
1,131.000	0.57	0.57	0.56	0.56	0.56
1,146.000	0.55	0.55	0.55	0.55	0.54
1,161.000	0.54	0.54	0.53	0.53	0.53
1,176.000	0.53	0.52	0.52	0.52	0.51
1,191.000	0.51	0.51	0.51	0.50	0.50
1,206.000	0.50	0.50	0.49	0.49	0.49
1,221.000	0.49	0.48	0.48	0.48	0.48
1,236.000	0.48	0.47	0.47	0.47	0.47
1,251.000	0.46	0.46	0.46	0.46	0.46
1,266.000	0.45	0.45	0.45	0.45	0.45
1,281.000	0.44	0.44	0.44	0.44	0.43
1,296.000	0.43	0.43	0.43	0.43	0.42

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 2
Scenario: Pre-Development 50 year

Return Event: 50 years
Storm Event: 50yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,311.000	0.42	0.42	0.42	0.42	0.41
1,326.000	0.41	0.41	0.41	0.41	0.40
1,341.000	0.40	0.40	0.40	0.39	0.39
1,356.000	0.39	0.39	0.39	0.38	0.38
1,371.000	0.38	0.38	0.38	0.37	0.37
1,386.000	0.37	0.37	0.36	0.36	0.36
1,401.000	0.36	0.36	0.35	0.35	0.35
1,416.000	0.35	0.35	0.34	0.34	0.34
1,431.000	0.34	0.33	0.33	0.33	(N/A)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 2
Scenario: Pre-Development 100 year

Return Event: 100 years
Storm Event: 100yr

Storm Event	100yr
Return Event	100 years
Duration	1,440.000 min
Depth	9.8 in
Time of Concentration (Composite)	10.000 min
Area (User Defined)	4.300 acres

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
141.000	0.00	0.00	0.00	0.01	0.01
156.000	0.01	0.02	0.02	0.03	0.03
171.000	0.04	0.04	0.04	0.05	0.05
186.000	0.06	0.06	0.07	0.07	0.08
201.000	0.08	0.08	0.09	0.09	0.10
216.000	0.10	0.11	0.11	0.12	0.12
231.000	0.13	0.13	0.14	0.14	0.15
246.000	0.15	0.15	0.16	0.16	0.17
261.000	0.17	0.18	0.18	0.19	0.19
276.000	0.20	0.20	0.21	0.21	0.22
291.000	0.22	0.23	0.23	0.24	0.24
306.000	0.25	0.25	0.26	0.26	0.27
321.000	0.27	0.28	0.28	0.29	0.29
336.000	0.30	0.30	0.31	0.31	0.32
351.000	0.32	0.33	0.33	0.34	0.34
366.000	0.35	0.35	0.36	0.37	0.38
381.000	0.38	0.39	0.40	0.41	0.42
396.000	0.43	0.44	0.45	0.46	0.47
411.000	0.48	0.49	0.50	0.51	0.52
426.000	0.53	0.54	0.55	0.56	0.57
441.000	0.58	0.60	0.61	0.62	0.63
456.000	0.64	0.65	0.66	0.67	0.68
471.000	0.70	0.71	0.72	0.73	0.74
486.000	0.76	0.77	0.79	0.81	0.83
501.000	0.85	0.87	0.89	0.91	0.94
516.000	0.96	0.98	1.01	1.03	1.05
531.000	1.08	1.10	1.12	1.15	1.17
546.000	1.20	1.22	1.25	1.27	1.30
561.000	1.32	1.35	1.37	1.40	1.42
576.000	1.45	1.47	1.50	1.53	1.55
591.000	1.58	1.60	1.63	1.66	1.68
606.000	1.72	1.75	1.79	1.83	1.88
621.000	1.92	1.97	2.02	2.07	2.12
636.000	2.17	2.23	2.28	2.33	2.38

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 2
Scenario: Pre-Development 100 year

Return Event: 100 years
Storm Event: 100yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
651.000	2.43	2.48	2.54	2.59	2.65
666.000	2.73	2.83	2.95	3.09	3.25
681.000	3.43	3.61	3.80	3.99	4.30
696.000	4.75	5.50	6.53	7.83	9.30
711.000	10.96	12.78	15.56	19.69	24.07
726.000	27.57	29.13	28.25	25.77	22.87
741.000	19.63	16.56	13.80	11.46	9.63
756.000	8.10	6.85	5.90	5.21	4.71
771.000	4.38	4.12	3.92	3.73	3.55
786.000	3.38	3.24	3.12	3.03	2.95
801.000	2.89	2.83	2.78	2.73	2.68
816.000	2.63	2.58	2.53	2.48	2.43
831.000	2.38	2.33	2.28	2.23	2.18
846.000	2.14	2.10	2.06	2.03	2.00
861.000	1.97	1.95	1.93	1.90	1.88
876.000	1.85	1.83	1.81	1.78	1.76
891.000	1.73	1.71	1.68	1.66	1.64
906.000	1.61	1.59	1.56	1.54	1.52
921.000	1.49	1.47	1.44	1.42	1.40
936.000	1.37	1.35	1.32	1.30	1.28
951.000	1.25	1.23	1.20	1.18	1.16
966.000	1.13	1.12	1.10	1.08	1.07
981.000	1.06	1.05	1.04	1.03	1.02
996.000	1.01	0.99	0.98	0.97	0.96
1,011.000	0.95	0.94	0.93	0.92	0.91
1,026.000	0.90	0.89	0.88	0.87	0.86
1,041.000	0.85	0.84	0.83	0.82	0.81
1,056.000	0.80	0.78	0.77	0.76	0.75
1,071.000	0.74	0.73	0.72	0.71	0.70
1,086.000	0.69	0.68	0.68	0.67	0.67
1,101.000	0.66	0.66	0.66	0.65	0.65
1,116.000	0.65	0.64	0.64	0.64	0.63
1,131.000	0.63	0.63	0.63	0.62	0.62
1,146.000	0.62	0.61	0.61	0.61	0.60
1,161.000	0.60	0.60	0.59	0.59	0.59
1,176.000	0.58	0.58	0.58	0.57	0.57
1,191.000	0.57	0.57	0.56	0.56	0.56
1,206.000	0.55	0.55	0.55	0.55	0.54
1,221.000	0.54	0.54	0.54	0.53	0.53
1,236.000	0.53	0.53	0.52	0.52	0.52
1,251.000	0.52	0.51	0.51	0.51	0.51
1,266.000	0.51	0.50	0.50	0.50	0.50
1,281.000	0.49	0.49	0.49	0.49	0.48

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: POST AREA 2
Scenario: Pre-Development 100 year

Return Event: 100 years
Storm Event: 100yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,296.000	0.48	0.48	0.48	0.47	0.47
1,311.000	0.47	0.47	0.46	0.46	0.46
1,326.000	0.46	0.45	0.45	0.45	0.45
1,341.000	0.44	0.44	0.44	0.44	0.44
1,356.000	0.43	0.43	0.43	0.43	0.42
1,371.000	0.42	0.42	0.42	0.41	0.41
1,386.000	0.41	0.41	0.40	0.40	0.40
1,401.000	0.40	0.40	0.39	0.39	0.39
1,416.000	0.39	0.38	0.38	0.38	0.38
1,431.000	0.37	0.37	0.37	0.37	(N/A)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: PRE AREA
Scenario: Pre-Development 1 year

Return Event: 1 years
Storm Event: 1yr

Storm Event	1yr
Return Event	1 years
Duration	1,440.000 min
Depth	3.6 in
Time of Concentration (Composite)	14.511 min
Area (User Defined)	21.500 acres

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
561.000	0.00	0.00	0.01	0.01	0.02
576.000	0.03	0.05	0.06	0.08	0.10
591.000	0.12	0.14	0.16	0.18	0.20
606.000	0.23	0.25	0.28	0.30	0.33
621.000	0.36	0.39	0.43	0.46	0.50
636.000	0.53	0.57	0.61	0.65	0.70
651.000	0.74	0.79	0.84	0.89	0.94
666.000	0.99	1.06	1.14	1.22	1.32
681.000	1.43	1.55	1.67	1.82	2.00
696.000	2.25	2.62	3.13	3.84	4.71
711.000	5.81	7.08	9.10	11.88	15.50
726.000	19.34	22.36	24.17	24.62	24.17
741.000	23.23	21.83	20.03	17.89	15.53
756.000	13.25	11.23	9.57	8.36	7.38
771.000	6.60	5.97	5.49	5.11	4.82
786.000	4.57	4.38	4.21	4.06	3.94
801.000	3.83	3.74	3.66	3.59	3.53
816.000	3.47	3.41	3.35	3.29	3.23
831.000	3.18	3.12	3.06	3.00	2.94
846.000	2.88	2.83	2.78	2.73	2.69
861.000	2.65	2.62	2.58	2.55	2.52
876.000	2.49	2.46	2.43	2.41	2.38
891.000	2.35	2.32	2.29	2.26	2.23
906.000	2.20	2.17	2.14	2.11	2.08
921.000	2.05	2.02	1.99	1.96	1.93
936.000	1.89	1.86	1.83	1.80	1.77
951.000	1.74	1.71	1.68	1.64	1.61
966.000	1.58	1.56	1.53	1.51	1.49
981.000	1.47	1.45	1.43	1.42	1.41
996.000	1.39	1.38	1.36	1.35	1.34
1,011.000	1.32	1.31	1.30	1.28	1.27
1,026.000	1.25	1.24	1.23	1.21	1.20
1,041.000	1.19	1.17	1.16	1.14	1.13
1,056.000	1.12	1.10	1.09	1.07	1.06

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: PRE AREA
Scenario: Pre-Development 1 year

Return Event: 1 years
Storm Event: 1yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,071.000	1.05	1.03	1.02	1.00	0.99
1,086.000	0.98	0.96	0.95	0.94	0.94
1,101.000	0.93	0.92	0.92	0.91	0.91
1,116.000	0.90	0.90	0.90	0.89	0.89
1,131.000	0.88	0.88	0.87	0.87	0.87
1,146.000	0.86	0.86	0.85	0.85	0.85
1,161.000	0.84	0.84	0.83	0.83	0.83
1,176.000	0.82	0.82	0.81	0.81	0.80
1,191.000	0.80	0.80	0.79	0.79	0.78
1,206.000	0.78	0.78	0.77	0.77	0.76
1,221.000	0.76	0.76	0.75	0.75	0.75
1,236.000	0.74	0.74	0.74	0.73	0.73
1,251.000	0.73	0.73	0.72	0.72	0.72
1,266.000	0.71	0.71	0.71	0.70	0.70
1,281.000	0.70	0.69	0.69	0.69	0.68
1,296.000	0.68	0.68	0.67	0.67	0.67
1,311.000	0.67	0.66	0.66	0.66	0.65
1,326.000	0.65	0.65	0.64	0.64	0.64
1,341.000	0.63	0.63	0.63	0.62	0.62
1,356.000	0.62	0.61	0.61	0.61	0.60
1,371.000	0.60	0.60	0.59	0.59	0.59
1,386.000	0.58	0.58	0.58	0.57	0.57
1,401.000	0.57	0.57	0.56	0.56	0.56
1,416.000	0.55	0.55	0.55	0.54	0.54
1,431.000	0.54	0.53	0.53	0.52	(N/A)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: PRE AREA
Scenario: Pre-Development 2 year

Return Event: 2 years
Storm Event: 2yr

Storm Event	2yr
Return Event	2 years
Duration	1,440.000 min
Depth	4.8 in
Time of Concentration (Composite)	14.511 min
Area (User Defined)	21.500 acres

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
492.000	0.00	0.00	0.01	0.01	0.02
507.000	0.03	0.04	0.05	0.07	0.09
522.000	0.10	0.12	0.14	0.16	0.18
537.000	0.20	0.23	0.25	0.27	0.30
552.000	0.32	0.35	0.38	0.41	0.44
567.000	0.47	0.50	0.53	0.56	0.59
582.000	0.63	0.66	0.70	0.73	0.77
597.000	0.81	0.84	0.88	0.92	0.97
612.000	1.01	1.06	1.12	1.17	1.23
627.000	1.29	1.35	1.42	1.49	1.56
642.000	1.63	1.70	1.78	1.85	1.93
657.000	2.02	2.10	2.19	2.29	2.40
672.000	2.53	2.69	2.86	3.06	3.27
687.000	3.50	3.75	4.08	4.52	5.20
702.000	6.11	7.37	8.90	10.80	12.96
717.000	16.31	20.85	26.68	32.71	37.29
732.000	39.86	40.21	39.15	37.34	34.84
747.000	31.74	28.17	24.29	20.60	17.37
762.000	14.75	12.84	11.31	10.10	9.12
777.000	8.37	7.78	7.32	6.95	6.65
792.000	6.38	6.16	5.96	5.80	5.65
807.000	5.53	5.42	5.32	5.23	5.14
822.000	5.05	4.96	4.87	4.77	4.68
837.000	4.59	4.50	4.41	4.32	4.23
852.000	4.16	4.09	4.02	3.97	3.91
867.000	3.86	3.81	3.77	3.72	3.68
882.000	3.63	3.59	3.54	3.50	3.45
897.000	3.41	3.36	3.32	3.27	3.23
912.000	3.18	3.14	3.09	3.04	3.00
927.000	2.95	2.91	2.86	2.81	2.77
942.000	2.72	2.67	2.63	2.58	2.53
957.000	2.48	2.44	2.39	2.35	2.31
972.000	2.27	2.23	2.20	2.17	2.15
987.000	2.12	2.10	2.08	2.06	2.04

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: PRE AREA
Scenario: Pre-Development 2 year

Return Event: 2 years
Storm Event: 2yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
1,002.000	2.02	2.00	1.98	1.95	1.93
1,017.000	1.91	1.89	1.87	1.85	1.83
1,032.000	1.81	1.79	1.77	1.75	1.73
1,047.000	1.71	1.69	1.67	1.64	1.62
1,062.000	1.60	1.58	1.56	1.54	1.52
1,077.000	1.50	1.48	1.46	1.44	1.42
1,092.000	1.40	1.39	1.38	1.37	1.36
1,107.000	1.35	1.34	1.33	1.33	1.32
1,122.000	1.32	1.31	1.30	1.30	1.29
1,137.000	1.29	1.28	1.27	1.27	1.26
1,152.000	1.25	1.25	1.24	1.24	1.23
1,167.000	1.22	1.22	1.21	1.20	1.20
1,182.000	1.19	1.19	1.18	1.17	1.17
1,197.000	1.16	1.15	1.15	1.14	1.14
1,212.000	1.13	1.13	1.12	1.12	1.11
1,227.000	1.11	1.10	1.10	1.09	1.09
1,242.000	1.08	1.08	1.07	1.07	1.06
1,257.000	1.06	1.05	1.05	1.04	1.04
1,272.000	1.04	1.03	1.03	1.02	1.02
1,287.000	1.01	1.01	1.00	1.00	0.99
1,302.000	0.99	0.98	0.98	0.97	0.97
1,317.000	0.96	0.96	0.95	0.95	0.95
1,332.000	0.94	0.94	0.93	0.93	0.92
1,347.000	0.92	0.91	0.91	0.90	0.90
1,362.000	0.89	0.89	0.88	0.88	0.87
1,377.000	0.87	0.86	0.86	0.85	0.85
1,392.000	0.84	0.84	0.83	0.83	0.83
1,407.000	0.82	0.82	0.81	0.81	0.80
1,422.000	0.80	0.79	0.79	0.78	0.78
1,437.000	0.77	0.76	(N/A)	(N/A)	(N/A)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: PRE AREA
Scenario: Pre-Development 5 year

Return Event: 5 years
Storm Event: 5yr

Storm Event	5yr
Return Event	5 years
Duration	1,440.000 min
Depth	6.0 in
Time of Concentration (Composite)	14.511 min
Area (User Defined)	21.500 acres

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
435.000	0.00	0.00	0.01	0.01	0.02
450.000	0.03	0.04	0.05	0.07	0.08
465.000	0.10	0.11	0.13	0.15	0.16
480.000	0.18	0.20	0.22	0.23	0.25
495.000	0.28	0.30	0.32	0.35	0.37
510.000	0.40	0.43	0.45	0.48	0.51
525.000	0.55	0.58	0.61	0.65	0.68
540.000	0.72	0.76	0.80	0.84	0.88
555.000	0.92	0.96	1.01	1.05	1.10
570.000	1.15	1.19	1.24	1.29	1.34
585.000	1.40	1.45	1.50	1.56	1.61
600.000	1.67	1.73	1.79	1.85	1.92
615.000	1.99	2.07	2.16	2.24	2.33
630.000	2.43	2.53	2.63	2.73	2.84
645.000	2.94	3.05	3.17	3.28	3.40
660.000	3.52	3.65	3.79	3.96	4.15
675.000	4.38	4.64	4.93	5.24	5.58
690.000	5.95	6.43	7.09	8.09	9.45
705.000	11.31	13.54	16.29	19.39	24.15
720.000	30.54	38.65	46.92	53.07	56.35
735.000	56.54	54.78	52.01	48.32	43.84
750.000	38.75	33.29	28.13	23.65	20.03
765.000	17.41	15.31	13.66	12.32	11.30
780.000	10.49	9.86	9.36	8.94	8.59
795.000	8.28	8.01	7.78	7.59	7.42
810.000	7.27	7.13	7.00	6.88	6.76
825.000	6.63	6.51	6.39	6.26	6.14
840.000	6.01	5.89	5.77	5.66	5.55
855.000	5.46	5.37	5.29	5.22	5.15
870.000	5.08	5.02	4.96	4.90	4.84
885.000	4.78	4.72	4.66	4.60	4.54
900.000	4.48	4.41	4.35	4.29	4.23
915.000	4.17	4.11	4.04	3.98	3.92
930.000	3.86	3.80	3.73	3.67	3.61

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: PRE AREA
Scenario: Pre-Development 5 year

Return Event: 5 years
Storm Event: 5yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
945.000	3.55	3.48	3.42	3.36	3.29
960.000	3.23	3.17	3.11	3.06	3.00
975.000	2.96	2.92	2.88	2.84	2.81
990.000	2.78	2.75	2.72	2.70	2.67
1,005.000	2.64	2.62	2.59	2.56	2.53
1,020.000	2.51	2.48	2.45	2.42	2.40
1,035.000	2.37	2.34	2.31	2.28	2.26
1,050.000	2.23	2.20	2.17	2.15	2.12
1,065.000	2.09	2.06	2.04	2.01	1.98
1,080.000	1.95	1.92	1.90	1.87	1.85
1,095.000	1.83	1.82	1.80	1.79	1.78
1,110.000	1.77	1.76	1.75	1.75	1.74
1,125.000	1.73	1.72	1.71	1.70	1.70
1,140.000	1.69	1.68	1.67	1.66	1.66
1,155.000	1.65	1.64	1.63	1.62	1.61
1,170.000	1.61	1.60	1.59	1.58	1.57
1,185.000	1.56	1.56	1.55	1.54	1.53
1,200.000	1.52	1.51	1.51	1.50	1.49
1,215.000	1.48	1.48	1.47	1.46	1.46
1,230.000	1.45	1.44	1.44	1.43	1.42
1,245.000	1.42	1.41	1.41	1.40	1.39
1,260.000	1.39	1.38	1.38	1.37	1.36
1,275.000	1.36	1.35	1.34	1.34	1.33
1,290.000	1.32	1.32	1.31	1.31	1.30
1,305.000	1.29	1.29	1.28	1.28	1.27
1,320.000	1.26	1.26	1.25	1.24	1.24
1,335.000	1.23	1.22	1.22	1.21	1.20
1,350.000	1.20	1.19	1.19	1.18	1.17
1,365.000	1.17	1.16	1.16	1.15	1.14
1,380.000	1.14	1.13	1.12	1.12	1.11
1,395.000	1.10	1.10	1.09	1.08	1.08
1,410.000	1.07	1.07	1.06	1.05	1.05
1,425.000	1.04	1.03	1.03	1.02	1.01
1,440.000	1.00	(N/A)	(N/A)	(N/A)	(N/A)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: PRE AREA
Scenario: Pre-Development 10 year

Return Event: 10 years
Storm Event: 10yr

Storm Event	10yr
Return Event	10 years
Duration	1,440.000 min
Depth	6.7 in
Time of Concentration (Composite)	14.511 min
Area (User Defined)	21.500 acres

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
405.000	0.00	0.00	0.01	0.01	0.02
420.000	0.03	0.04	0.05	0.06	0.08
435.000	0.09	0.11	0.13	0.14	0.16
450.000	0.18	0.20	0.21	0.23	0.25
465.000	0.27	0.29	0.31	0.33	0.35
480.000	0.38	0.40	0.42	0.45	0.47
495.000	0.50	0.53	0.56	0.59	0.62
510.000	0.66	0.69	0.73	0.77	0.81
525.000	0.85	0.89	0.93	0.97	1.02
540.000	1.07	1.11	1.16	1.21	1.26
555.000	1.31	1.37	1.42	1.48	1.53
570.000	1.59	1.65	1.71	1.77	1.83
585.000	1.89	1.96	2.02	2.09	2.15
600.000	2.22	2.29	2.36	2.44	2.52
615.000	2.61	2.71	2.81	2.91	3.02
630.000	3.14	3.26	3.38	3.50	3.63
645.000	3.76	3.89	4.02	4.16	4.30
660.000	4.44	4.59	4.76	4.96	5.20
675.000	5.47	5.78	6.13	6.50	6.91
690.000	7.35	7.93	8.72	9.93	11.56
705.000	13.79	16.46	19.74	23.41	29.03
720.000	36.55	46.05	55.67	62.75	66.44
735.000	66.51	64.31	60.94	56.51	51.18
750.000	45.16	38.73	32.67	27.43	23.22
765.000	20.17	17.72	15.80	14.24	13.05
780.000	12.11	11.39	10.80	10.32	9.91
795.000	9.55	9.24	8.98	8.75	8.55
810.000	8.38	8.22	8.07	7.93	7.79
825.000	7.64	7.50	7.36	7.21	7.07
840.000	6.92	6.78	6.64	6.51	6.39
855.000	6.28	6.18	6.09	6.00	5.92
870.000	5.85	5.77	5.70	5.63	5.56
885.000	5.49	5.42	5.35	5.28	5.21
900.000	5.14	5.07	5.00	4.93	4.86

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: PRE AREA
Scenario: Pre-Development 10 year

Return Event: 10 years
Storm Event: 10yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
915.000	4.79	4.72	4.64	4.57	4.50
930.000	4.43	4.36	4.29	4.21	4.14
945.000	4.07	4.00	3.93	3.85	3.78
960.000	3.71	3.64	3.57	3.51	3.45
975.000	3.39	3.34	3.30	3.26	3.22
990.000	3.19	3.16	3.12	3.09	3.06
1,005.000	3.03	3.00	2.97	2.93	2.90
1,020.000	2.87	2.84	2.81	2.78	2.75
1,035.000	2.71	2.68	2.65	2.62	2.59
1,050.000	2.55	2.52	2.49	2.46	2.43
1,065.000	2.40	2.36	2.33	2.30	2.27
1,080.000	2.24	2.20	2.17	2.15	2.12
1,095.000	2.10	2.08	2.07	2.05	2.04
1,110.000	2.03	2.02	2.01	2.00	1.99
1,125.000	1.98	1.97	1.96	1.95	1.94
1,140.000	1.93	1.92	1.91	1.90	1.89
1,155.000	1.89	1.88	1.87	1.86	1.85
1,170.000	1.84	1.83	1.82	1.81	1.80
1,185.000	1.79	1.78	1.77	1.76	1.75
1,200.000	1.74	1.73	1.72	1.71	1.71
1,215.000	1.70	1.69	1.68	1.67	1.67
1,230.000	1.66	1.65	1.65	1.64	1.63
1,245.000	1.62	1.61	1.61	1.60	1.59
1,260.000	1.59	1.58	1.57	1.57	1.56
1,275.000	1.55	1.54	1.54	1.53	1.52
1,290.000	1.52	1.51	1.50	1.49	1.49
1,305.000	1.48	1.47	1.47	1.46	1.45
1,320.000	1.44	1.44	1.43	1.42	1.42
1,335.000	1.41	1.40	1.39	1.38	1.38
1,350.000	1.37	1.36	1.36	1.35	1.34
1,365.000	1.34	1.33	1.32	1.31	1.31
1,380.000	1.30	1.29	1.28	1.28	1.27
1,395.000	1.26	1.25	1.25	1.24	1.23
1,410.000	1.23	1.22	1.21	1.20	1.20
1,425.000	1.19	1.18	1.18	1.17	1.16
1,440.000	1.15	(N/A)	(N/A)	(N/A)	(N/A)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: PRE AREA
Scenario: Pre-Development 25 year

Return Event: 25 years
Storm Event: 25yr

Storm Event	25yr
Return Event	25 years
Duration	1,440.000 min
Depth	7.9 in
Time of Concentration (Composite)	14.511 min
Area (User Defined)	21.500 acres

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
360.000	0.00	0.00	0.00	0.01	0.01
375.000	0.02	0.03	0.04	0.05	0.07
390.000	0.08	0.10	0.11	0.13	0.15
405.000	0.16	0.18	0.20	0.22	0.24
420.000	0.26	0.28	0.30	0.32	0.34
435.000	0.36	0.38	0.41	0.43	0.46
450.000	0.48	0.51	0.53	0.56	0.58
465.000	0.61	0.64	0.67	0.69	0.72
480.000	0.75	0.78	0.81	0.85	0.88
495.000	0.92	0.96	1.00	1.05	1.09
510.000	1.14	1.19	1.24	1.30	1.35
525.000	1.41	1.46	1.52	1.58	1.64
540.000	1.71	1.77	1.83	1.90	1.97
555.000	2.04	2.11	2.18	2.25	2.33
570.000	2.40	2.48	2.55	2.63	2.71
585.000	2.79	2.87	2.96	3.04	3.13
600.000	3.21	3.30	3.40	3.50	3.60
615.000	3.72	3.84	3.97	4.11	4.25
630.000	4.40	4.55	4.71	4.87	5.03
645.000	5.19	5.36	5.53	5.70	5.88
660.000	6.05	6.25	6.46	6.72	7.02
675.000	7.37	7.77	8.22	8.70	9.22
690.000	9.79	10.53	11.54	13.10	15.20
705.000	18.06	21.48	25.64	30.28	37.35
720.000	46.75	58.58	70.45	79.07	83.42
735.000	83.26	80.31	75.90	70.22	63.46
750.000	55.87	47.80	40.25	33.75	28.52
765.000	24.75	21.73	19.36	17.44	15.98
780.000	14.82	13.94	13.21	12.62	12.11
795.000	11.67	11.29	10.96	10.68	10.44
810.000	10.22	10.03	9.85	9.67	9.49
825.000	9.32	9.14	8.96	8.79	8.61
840.000	8.43	8.25	8.08	7.92	7.78
855.000	7.64	7.52	7.41	7.30	7.20

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: PRE AREA
Scenario: Pre-Development 25 year

Return Event: 25 years
Storm Event: 25yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
870.000	7.11	7.02	6.93	6.85	6.76
885.000	6.68	6.59	6.51	6.42	6.33
900.000	6.25	6.16	6.07	5.99	5.90
915.000	5.81	5.73	5.64	5.55	5.46
930.000	5.38	5.29	5.20	5.11	5.03
945.000	4.94	4.85	4.76	4.68	4.59
960.000	4.50	4.41	4.33	4.25	4.18
975.000	4.11	4.06	4.00	3.95	3.91
990.000	3.87	3.83	3.79	3.75	3.71
1,005.000	3.67	3.63	3.59	3.56	3.52
1,020.000	3.48	3.44	3.40	3.36	3.33
1,035.000	3.29	3.25	3.21	3.17	3.13
1,050.000	3.09	3.06	3.02	2.98	2.94
1,065.000	2.90	2.86	2.82	2.78	2.75
1,080.000	2.71	2.67	2.63	2.60	2.57
1,095.000	2.54	2.52	2.50	2.48	2.47
1,110.000	2.45	2.44	2.43	2.42	2.41
1,125.000	2.40	2.38	2.37	2.36	2.35
1,140.000	2.34	2.33	2.32	2.30	2.29
1,155.000	2.28	2.27	2.26	2.25	2.23
1,170.000	2.22	2.21	2.20	2.19	2.18
1,185.000	2.17	2.15	2.14	2.13	2.12
1,200.000	2.11	2.10	2.08	2.07	2.06
1,215.000	2.05	2.04	2.03	2.02	2.02
1,230.000	2.01	2.00	1.99	1.98	1.97
1,245.000	1.96	1.95	1.94	1.94	1.93
1,260.000	1.92	1.91	1.90	1.89	1.88
1,275.000	1.88	1.87	1.86	1.85	1.84
1,290.000	1.83	1.82	1.81	1.80	1.80
1,305.000	1.79	1.78	1.77	1.76	1.75
1,320.000	1.74	1.74	1.73	1.72	1.71
1,335.000	1.70	1.69	1.68	1.67	1.66
1,350.000	1.66	1.65	1.64	1.63	1.62
1,365.000	1.61	1.60	1.60	1.59	1.58
1,380.000	1.57	1.56	1.55	1.54	1.53
1,395.000	1.52	1.51	1.51	1.50	1.49
1,410.000	1.48	1.47	1.46	1.45	1.45
1,425.000	1.44	1.43	1.42	1.41	1.40
1,440.000	1.39	(N/A)	(N/A)	(N/A)	(N/A)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: PRE AREA
Scenario: Pre-Development 50 year

Return Event: 50 years
Storm Event: 50yr

Storm Event	50yr
Return Event	50 years
Duration	1,440.000 min
Depth	8.9 in
Time of Concentration (Composite)	14.511 min
Area (User Defined)	21.500 acres

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
330.000	0.00	0.00	0.00	0.01	0.01
345.000	0.02	0.03	0.04	0.06	0.07
360.000	0.08	0.10	0.11	0.13	0.14
375.000	0.16	0.18	0.19	0.21	0.23
390.000	0.25	0.27	0.29	0.31	0.33
405.000	0.36	0.38	0.40	0.43	0.45
420.000	0.48	0.50	0.53	0.55	0.58
435.000	0.61	0.64	0.67	0.70	0.73
450.000	0.76	0.79	0.82	0.85	0.88
465.000	0.92	0.95	0.99	1.02	1.06
480.000	1.09	1.13	1.17	1.21	1.25
495.000	1.30	1.35	1.40	1.46	1.51
510.000	1.57	1.64	1.70	1.77	1.83
525.000	1.90	1.97	2.04	2.11	2.19
540.000	2.26	2.34	2.42	2.50	2.58
555.000	2.67	2.75	2.84	2.92	3.01
570.000	3.10	3.19	3.28	3.38	3.47
585.000	3.57	3.66	3.76	3.86	3.96
600.000	4.06	4.17	4.28	4.39	4.52
615.000	4.66	4.80	4.96	5.12	5.29
630.000	5.46	5.64	5.82	6.01	6.20
645.000	6.40	6.59	6.79	6.99	7.20
660.000	7.40	7.63	7.88	8.18	8.53
675.000	8.95	9.42	9.94	10.51	11.12
690.000	11.79	12.67	13.86	15.71	18.18
705.000	21.56	25.58	30.45	35.88	44.11
720.000	55.03	68.71	82.38	92.21	97.09
735.000	96.73	93.14	87.90	81.21	73.29
750.000	64.44	55.06	46.31	38.79	32.76
765.000	28.41	24.93	22.20	19.99	18.31
780.000	16.98	15.96	15.13	14.45	13.86
795.000	13.35	12.92	12.54	12.22	11.94
810.000	11.69	11.47	11.26	11.06	10.85
825.000	10.65	10.45	10.24	10.04	9.84

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: PRE AREA
Scenario: Pre-Development 50 year

Return Event: 50 years
Storm Event: 50yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
840.000	9.63	9.43	9.24	9.05	8.88
855.000	8.73	8.59	8.46	8.34	8.22
870.000	8.12	8.02	7.92	7.82	7.72
885.000	7.62	7.52	7.42	7.33	7.23
900.000	7.13	7.03	6.93	6.83	6.73
915.000	6.63	6.53	6.43	6.33	6.23
930.000	6.13	6.03	5.93	5.83	5.73
945.000	5.63	5.53	5.43	5.33	5.23
960.000	5.13	5.03	4.93	4.85	4.76
975.000	4.69	4.62	4.56	4.51	4.45
990.000	4.40	4.36	4.31	4.27	4.23
1,005.000	4.18	4.14	4.09	4.05	4.01
1,020.000	3.96	3.92	3.88	3.83	3.79
1,035.000	3.74	3.70	3.66	3.61	3.57
1,050.000	3.52	3.48	3.44	3.39	3.35
1,065.000	3.30	3.26	3.21	3.17	3.13
1,080.000	3.08	3.04	3.00	2.96	2.92
1,095.000	2.89	2.87	2.85	2.83	2.81
1,110.000	2.79	2.78	2.77	2.75	2.74
1,125.000	2.73	2.71	2.70	2.69	2.67
1,140.000	2.66	2.65	2.64	2.62	2.61
1,155.000	2.60	2.58	2.57	2.56	2.54
1,170.000	2.53	2.52	2.50	2.49	2.48
1,185.000	2.46	2.45	2.44	2.42	2.41
1,200.000	2.40	2.38	2.37	2.36	2.35
1,215.000	2.34	2.33	2.31	2.30	2.29
1,230.000	2.28	2.27	2.26	2.25	2.24
1,245.000	2.23	2.22	2.21	2.20	2.19
1,260.000	2.18	2.17	2.16	2.15	2.14
1,275.000	2.13	2.12	2.11	2.10	2.09
1,290.000	2.08	2.07	2.06	2.05	2.04
1,305.000	2.03	2.02	2.01	2.00	1.99
1,320.000	1.98	1.97	1.96	1.95	1.94
1,335.000	1.93	1.92	1.91	1.90	1.89
1,350.000	1.88	1.87	1.86	1.85	1.84
1,365.000	1.83	1.82	1.81	1.80	1.79
1,380.000	1.78	1.77	1.76	1.75	1.74
1,395.000	1.73	1.72	1.71	1.70	1.69
1,410.000	1.68	1.67	1.66	1.65	1.64
1,425.000	1.63	1.62	1.61	1.60	1.59
1,440.000	1.57	(N/A)	(N/A)	(N/A)	(N/A)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: PRE AREA
Scenario: Pre-Development 100 year

Return Event: 100 years
Storm Event: 100yr

Storm Event	100yr
Return Event	100 years
Duration	1,440.000 min
Depth	9.8 in
Time of Concentration (Composite)	14.511 min
Area (User Defined)	21.500 acres

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
306.000	0.00	0.00	0.01	0.01	0.02
321.000	0.03	0.04	0.05	0.07	0.08
336.000	0.10	0.12	0.13	0.15	0.17
351.000	0.18	0.20	0.22	0.24	0.25
366.000	0.27	0.29	0.31	0.33	0.35
381.000	0.37	0.39	0.42	0.44	0.47
396.000	0.49	0.52	0.54	0.57	0.60
411.000	0.63	0.66	0.69	0.72	0.75
426.000	0.78	0.82	0.85	0.88	0.92
441.000	0.95	0.99	1.02	1.06	1.10
456.000	1.14	1.17	1.21	1.25	1.29
471.000	1.33	1.37	1.42	1.46	1.50
486.000	1.55	1.60	1.65	1.71	1.77
501.000	1.83	1.90	1.96	2.04	2.11
516.000	2.19	2.27	2.35	2.43	2.51
531.000	2.60	2.68	2.77	2.86	2.95
546.000	3.04	3.14	3.23	3.33	3.43
561.000	3.53	3.63	3.73	3.83	3.94
576.000	4.05	4.15	4.26	4.37	4.48
591.000	4.60	4.71	4.83	4.94	5.06
606.000	5.19	5.33	5.47	5.63	5.80
621.000	5.97	6.16	6.36	6.56	6.76
636.000	6.98	7.19	7.41	7.63	7.86
651.000	8.09	8.31	8.55	8.79	9.04
666.000	9.33	9.68	10.08	10.56	11.10
681.000	11.71	12.36	13.07	13.84	14.85
696.000	16.22	18.35	21.21	25.10	29.73
711.000	35.32	41.53	50.92	63.35	78.89
726.000	94.34	105.39	110.77	110.20	105.98
741.000	99.90	92.19	83.10	72.99	62.30
756.000	52.35	43.81	36.98	32.05	28.12
771.000	25.03	22.53	20.64	19.13	17.98
786.000	17.04	16.27	15.61	15.04	14.55
801.000	14.12	13.76	13.44	13.16	12.91

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Unit Hydrograph (Hydrograph Table)
Label: PRE AREA
Scenario: Pre-Development 100 year

Return Event: 100 years
Storm Event: 100yr

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 3.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)	Flow (ft³/s)
816.000	12.67	12.44	12.21	11.98	11.75
831.000	11.52	11.29	11.06	10.83	10.60
846.000	10.38	10.18	9.98	9.81	9.65
861.000	9.50	9.37	9.24	9.12	9.01
876.000	8.89	8.78	8.67	8.56	8.45
891.000	8.34	8.23	8.12	8.00	7.89
906.000	7.78	7.67	7.56	7.44	7.33
921.000	7.22	7.11	7.00	6.88	6.77
936.000	6.66	6.55	6.43	6.32	6.21
951.000	6.09	5.98	5.87	5.75	5.64
966.000	5.54	5.44	5.35	5.26	5.19
981.000	5.12	5.05	5.00	4.94	4.89
996.000	4.84	4.79	4.74	4.69	4.64
1,011.000	4.59	4.54	4.49	4.45	4.40
1,026.000	4.35	4.30	4.25	4.20	4.15
1,041.000	4.10	4.05	4.00	3.95	3.90
1,056.000	3.85	3.80	3.75	3.70	3.65
1,071.000	3.60	3.55	3.50	3.46	3.41
1,086.000	3.36	3.32	3.28	3.24	3.22
1,101.000	3.19	3.17	3.15	3.13	3.12
1,116.000	3.10	3.09	3.07	3.06	3.04
1,131.000	3.03	3.01	3.00	2.98	2.97
1,146.000	2.95	2.94	2.92	2.91	2.89
1,161.000	2.88	2.86	2.85	2.84	2.82
1,176.000	2.81	2.79	2.78	2.76	2.75
1,191.000	2.73	2.72	2.70	2.69	2.67
1,206.000	2.66	2.64	2.63	2.62	2.61
1,221.000	2.59	2.58	2.57	2.56	2.55
1,236.000	2.53	2.52	2.51	2.50	2.49
1,251.000	2.48	2.47	2.45	2.44	2.43
1,266.000	2.42	2.41	2.40	2.39	2.38
1,281.000	2.37	2.36	2.34	2.33	2.32
1,296.000	2.31	2.30	2.29	2.28	2.27
1,311.000	2.26	2.25	2.23	2.22	2.21
1,326.000	2.20	2.19	2.18	2.17	2.15
1,341.000	2.14	2.13	2.12	2.11	2.10
1,356.000	2.09	2.08	2.07	2.05	2.04
1,371.000	2.03	2.02	2.01	2.00	1.99
1,386.000	1.97	1.96	1.95	1.94	1.93
1,401.000	1.92	1.91	1.90	1.89	1.87
1,416.000	1.86	1.85	1.84	1.83	1.82
1,431.000	1.81	1.79	1.78	1.76	(N/A)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Outlet Input Data
Label: POND 1 OUT
Scenario: Pre-Development 1 year

Return Event: 1 years
Storm Event: 1yr

Requested Pond Water Surface Elevations	
Minimum (Headwater)	12.00 ft
Increment (Headwater)	0.50 ft
Maximum (Headwater)	17.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular	CPV ORIFICE	Forward + Reverse	TW	12.00	17.00
Rectangular Weir	WEIR	Forward + Reverse	TW	14.75	17.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Outlet Input Data
Label: POND 1 OUT
Scenario: Pre-Development 1 year

Return Event: 1 years
Storm Event: 1yr

Structure ID: CPV ORIFICE Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	12.00 ft
Orifice Diameter	5.5 in
Orifice Coefficient	0.600

Structure ID: WEIR Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	14.75 ft
Weir Length	15.00 ft
Weir Coefficient	3.00 (ft^0.5)/s

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Outlet Input Data
Label: POND 2 OUT
Scenario: Pre-Development 1 year

Return Event: 1 years
Storm Event: 1yr

Requested Pond Water Surface Elevations	
Minimum (Headwater)	12.00 ft
Increment (Headwater)	0.50 ft
Maximum (Headwater)	17.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular	CPV ORIFICE	Forward + Reverse	TW	12.00	17.00
Rectangular Weir	WEIR	Forward + Reverse	TW	13.75	17.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Subsection: Outlet Input Data
Label: POND 2 OUT
Scenario: Pre-Development 1 year

Return Event: 1 years
Storm Event: 1yr

Structure ID: WEIR Structure Type: Rectangular Weir	
Number of Openings	1
Elevation	13.75 ft
Weir Length	15.00 ft
Weir Coefficient	3.00 (ft^0.5)/s

Structure ID: CPV ORIFICE Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	12.00 ft
Orifice Diameter	5.5 in
Orifice Coefficient	0.600

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Index

M

Master Network Summary...2, 3, 4, 5

P

POND 1 OUT (Outlet Input Data, 1 years (Pre-Development 1 year))...64, 65

POND 2 OUT (Outlet Input Data, 1 years (Pre-Development 1 year))...66, 67

POST AREA 1 (Unit Hydrograph (Hydrograph Table), 1 years (Pre-Development 1 year))...10, 11

POST AREA 1 (Unit Hydrograph (Hydrograph Table), 10 years (Pre-Development 10 year))...18, 19, 20

POST AREA 1 (Unit Hydrograph (Hydrograph Table), 100 years (Pre-Development 100 year))...27, 28, 29

POST AREA 1 (Unit Hydrograph (Hydrograph Table), 2 years (Pre-Development 2 year))...12, 13, 14

POST AREA 1 (Unit Hydrograph (Hydrograph Table), 25 years (Pre-Development 25 year))...21, 22, 23

POST AREA 1 (Unit Hydrograph (Hydrograph Table), 5 years (Pre-Development 5 year))...15, 16, 17

POST AREA 1 (Unit Hydrograph (Hydrograph Table), 50 years (Pre-Development 50 year))...24, 25, 26

POST AREA 2 (Unit Hydrograph (Hydrograph Table), 1 years (Pre-Development 1 year))...30, 31

POST AREA 2 (Unit Hydrograph (Hydrograph Table), 10 years (Pre-Development 10 year))...38, 39, 40

POST AREA 2 (Unit Hydrograph (Hydrograph Table), 100 years (Pre-Development 100 year))...47, 48, 49

POST AREA 2 (Unit Hydrograph (Hydrograph Table), 2 years (Pre-Development 2 year))...32, 33, 34

POST AREA 2 (Unit Hydrograph (Hydrograph Table), 25 years (Pre-Development 25 year))...41, 42, 43

POST AREA 2 (Unit Hydrograph (Hydrograph Table), 5 years (Pre-Development 5 year))...35, 36, 37

POST AREA 2 (Unit Hydrograph (Hydrograph Table), 50 years (Pre-Development 50 year))...44, 45, 46

PRE AREA (Time of Concentration Calculations, 1 years (Pre-Development 1 year))...6, 7

PRE AREA (Unit Hydrograph (Hydrograph Table), 1 years (Pre-Development 1 year))...50, 51

PRE AREA (Unit Hydrograph (Hydrograph Table), 10 years (Pre-Development 10 year))...56, 57

PRE AREA (Unit Hydrograph (Hydrograph Table), 100 years (Pre-Development 100 year))...62, 63

PRE AREA (Unit Hydrograph (Hydrograph Table), 2 years (Pre-Development 2 year))...52, 53

PRE AREA (Unit Hydrograph (Hydrograph Table), 25 years (Pre-Development 25 year))...58, 59

PRE AREA (Unit Hydrograph (Hydrograph Table), 5 years (Pre-Development 5 year))...54, 55

PRE AREA (Unit Hydrograph (Hydrograph Table), 50 years (Pre-Development 50 year))...60, 61

U

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

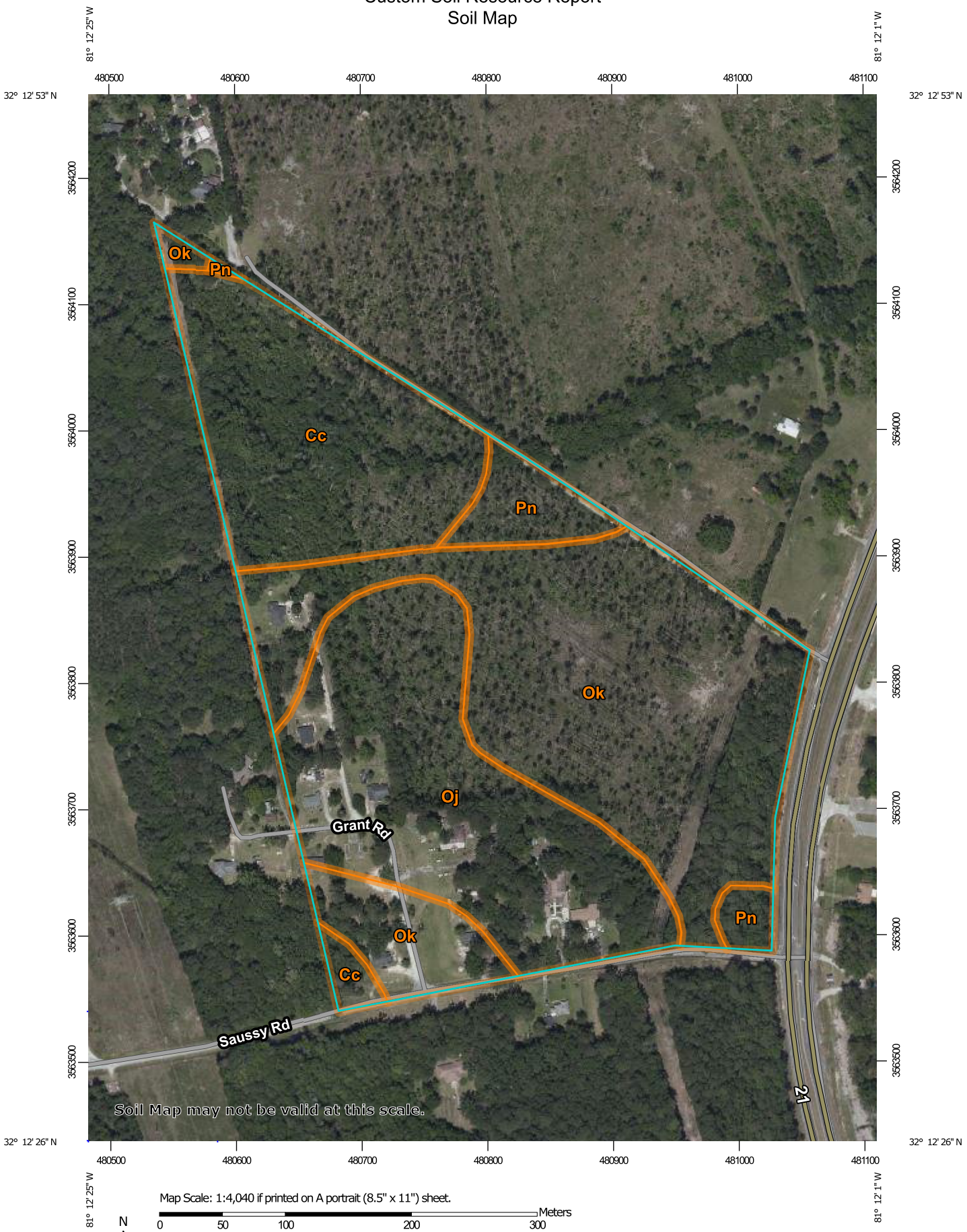
Unit Hydrograph Equations...8, 9

COLEMAN COMPANY
ENGINEERS • SURVEYORS

APPENDIX B
SOILS MAP

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Custom Soil Resource Report
Soil Map



Map Scale: 1:4,040 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 50 100 200 300

Feet: 0 150 300 600 900

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bryan and Chatham Counties, Georgia
Survey Area Data: Version 15, Jun 12, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 22, 2020—May 1, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Cc	Cape Fear soils	9.9	22.6%
Oj	Ocilla complex	12.5	28.5%
Ok	Ogeechee loamy fine sand	19.2	43.9%
Pn	Pooler fine sandy loam	2.1	4.9%
Totals for Area of Interest		**43.7**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Bryan and Chatham Counties, Georgia

Cc—Cape Fear soils

Map Unit Setting

National map unit symbol: 46g5
Elevation: 0 to 50 feet
Mean annual precipitation: 44 to 52 inches
Mean annual air temperature: 64 to 70 degrees F
Frost-free period: 230 to 290 days
Farmland classification: Not prime farmland

Map Unit Composition

Cape fear and similar soils: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Cape Fear

Setting

Landform: Drainageways, depressions
Down-slope shape: Linear, concave
Across-slope shape: Concave
Parent material: Marine deposits

Typical profile

H1 - 0 to 16 inches: loam
H2 - 16 to 52 inches: clay
H3 - 52 to 62 inches: loamy fine sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Very poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 0 to 12 inches
Frequency of flooding: Rare
Frequency of ponding: None
Available water capacity: High (about 9.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6w
Hydrologic Soil Group: C/D
Hydric soil rating: Yes

Oj—Ocilla complex

Map Unit Setting

National map unit symbol: 46gt
Elevation: 10 to 450 feet

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Mean annual precipitation: 44 to 52 inches
Mean annual air temperature: 64 to 70 degrees F
Frost-free period: 230 to 290 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Ocilla and similar soils: 95 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Ocilla

Setting

Landform: Interfluves
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Marine deposits

Typical profile

H1 - 0 to 28 inches: loamy fine sand
H2 - 28 to 59 inches: sandy clay loam
H3 - 59 to 67 inches: sandy clay loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 1.98 in/hr)
Depth to water table: About 12 to 30 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 5.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3w
Hydrologic Soil Group: B/D
Ecological site: R153AY001GA - Loamy Rise, Moderately Wet
Hydric soil rating: No

Minor Components

Ellabelle

Percent of map unit: 3 percent
Landform: Depressions, drainageways
Down-slope shape: Concave, linear
Across-slope shape: Concave
Hydric soil rating: Yes

Pelham

Percent of map unit: 2 percent
Landform: Depressions, flats
Landform position (three-dimensional): Dip
Down-slope shape: Concave, linear
Across-slope shape: Concave, linear
Hydric soil rating: Yes

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Ok—Ogeechee loamy fine sand

Map Unit Setting

National map unit symbol: 46gw
Elevation: 10 to 50 feet
Mean annual precipitation: 44 to 52 inches
Mean annual air temperature: 64 to 70 degrees F
Frost-free period: 230 to 290 days
Farmland classification: Not prime farmland

Map Unit Composition

Ogeechee and similar soils: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Ogeechee

Setting

Landform: Flats, depressions, drainageways
Down-slope shape: Linear, concave
Across-slope shape: Linear, concave
Parent material: Marine deposits

Typical profile

H1 - 0 to 8 inches: loamy fine sand
H2 - 8 to 23 inches: sandy clay loam
H3 - 23 to 42 inches: sandy clay
H4 - 42 to 60 inches: sandy clay loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 0 to 12 inches
Frequency of flooding: FrequentNone
Frequency of ponding: None
Available water capacity: Moderate (about 6.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4w
Hydrologic Soil Group: B/D
Hydric soil rating: Yes

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

Pn—Pooler fine sandy loam

Map Unit Setting

National map unit symbol: 46h1
Elevation: 20 to 100 feet
Mean annual precipitation: 44 to 52 inches
Mean annual air temperature: 64 to 70 degrees F
Frost-free period: 230 to 290 days
Farmland classification: Not prime farmland

Map Unit Composition

Pooler and similar soils: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pooler

Setting

Landform: Depressions, flats
Down-slope shape: Concave, linear
Across-slope shape: Concave, linear
Parent material: Marine deposits

Typical profile

H1 - 0 to 6 inches: fine sandy loam
H2 - 6 to 12 inches: sandy clay loam
H3 - 12 to 52 inches: clay
H4 - 52 to 72 inches: sandy clay loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 0 to 12 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 8.7 inches)

Interpretive groups

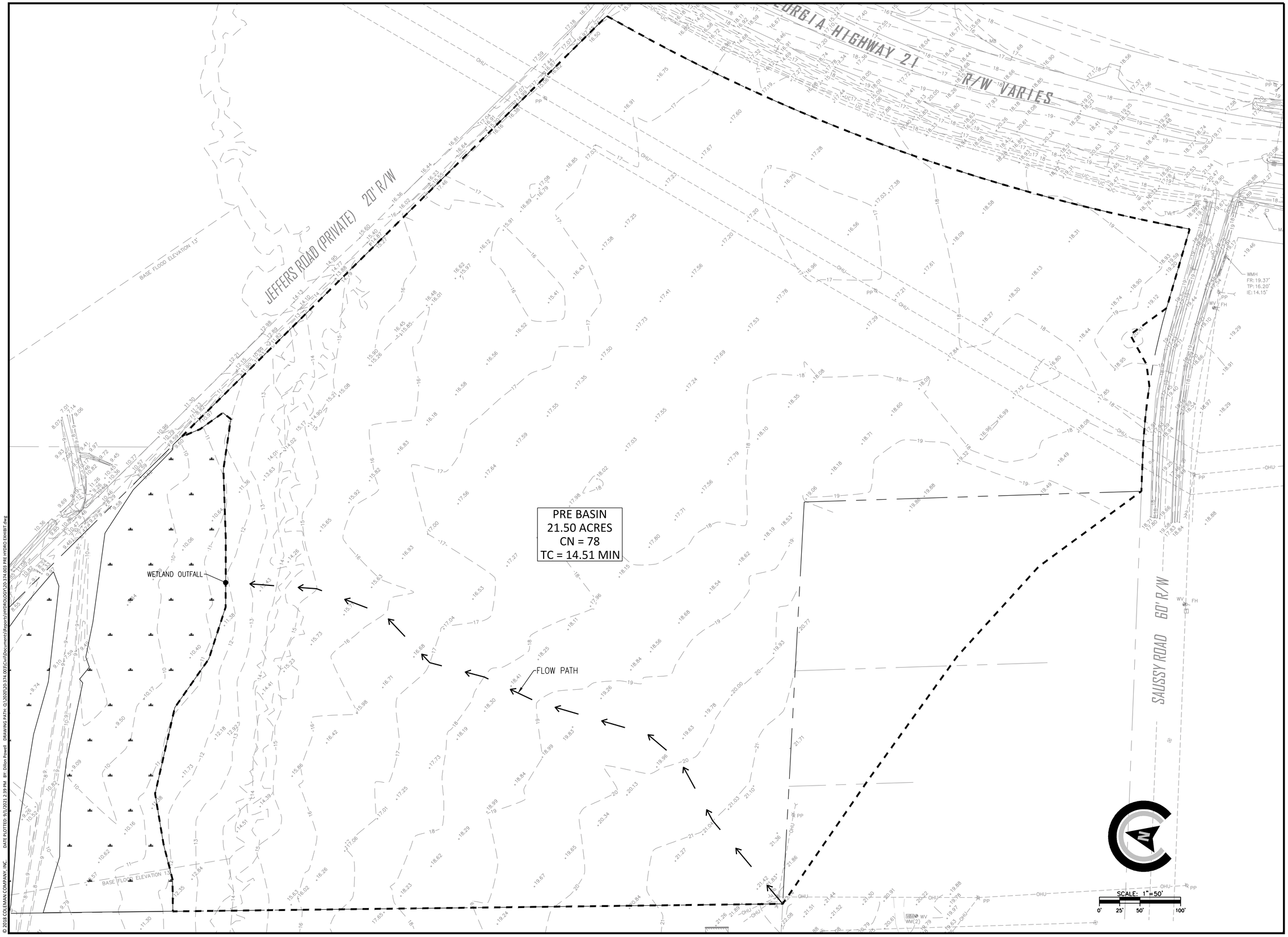
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6w
Hydrologic Soil Group: C/D
Hydric soil rating: Yes

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-

COLEMAN COMPANY
ENGINEERS • SURVEYORS

PRE & POST DEVELOPMENT MASTER EXHIBITS

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-



© 2018 COLEMAN COMPANY, INC. DATE PLOTTED: 9/1/2021 2:39 PM BY: Dillon Powell DRAWING PATH: Q:\2020\20-374.003\Civil\Documents\Reports\HYDROLOGY\20-374.003 PRE HYDRO EXHIBIT.dwg

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | COLEMANCO.COM

NOT FOR CONSTRUCTION

REVISIONS:

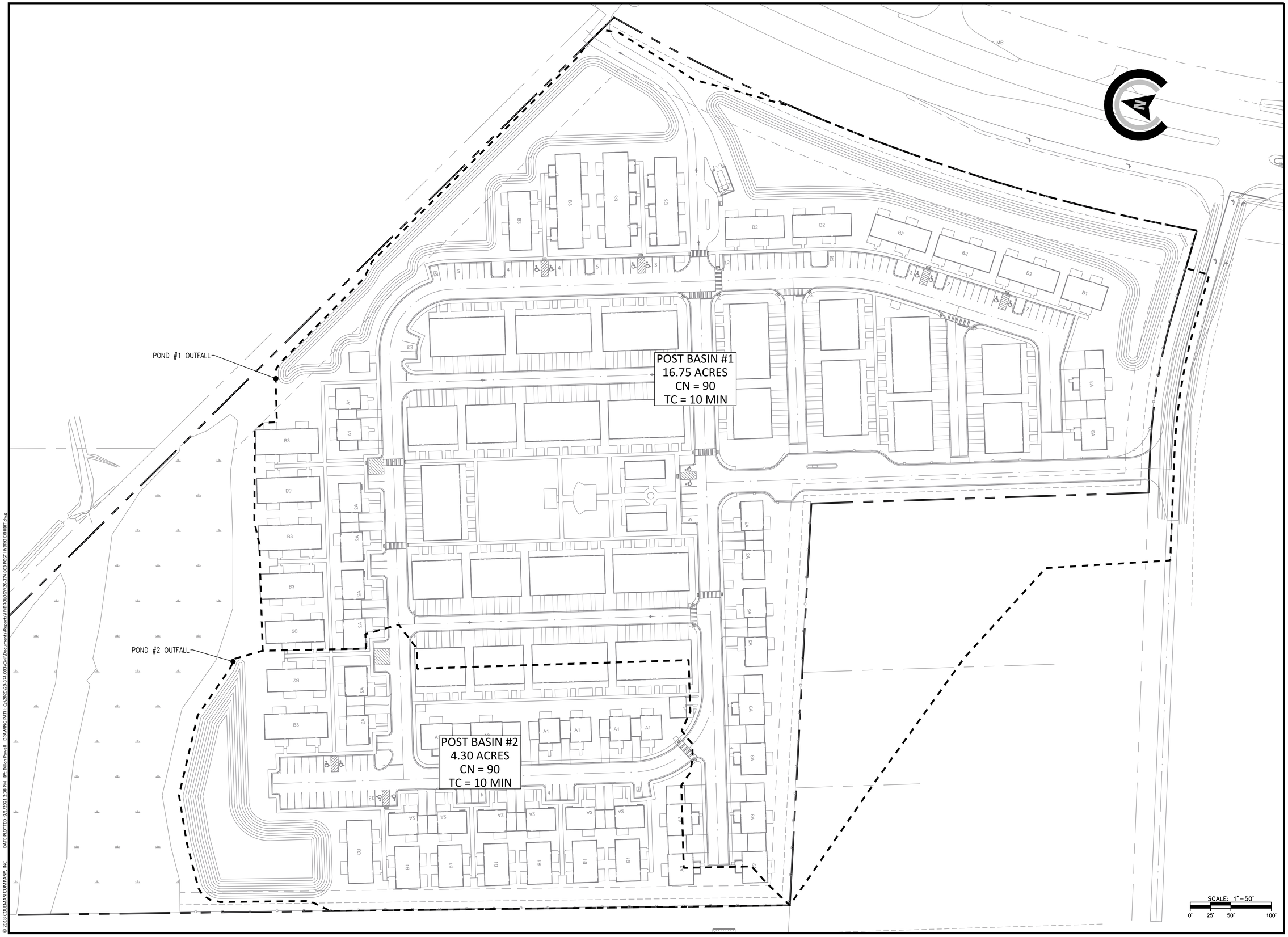
PRE-DEVELOPMENT HYDROLOGY EXHIBIT FOR
LMS COTTAGES
LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC

JOB NUMBER:	20-374.003
DATE:	6/16/21
DRAWN BY:	DCP
CHECKED BY:	NPM
SCALE:	AS NOTED

PRE DEVELOPMENT HYDROLOGY

SHEET:
PRE

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)



COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | COLSAV.COM

NOT FOR CONSTRUCTION

REVISIONS:

POST-DEVELOPMENT HYDROLOGY EXHIBIT FOR

LMS COTTAGES

LOCATED IN PORT WENTWORTH, GEORGIA
PREPARED FOR LMS REAL ESTATE INVESTMENT MANAGEMENT, LLC

JOB NUMBER:	20-374.003
DATE:	6/16/21
DRAWN BY:	DCP
CHECKED BY:	NPM
SCALE:	AS NOTED

POST DEVELOPMENT HYDROLOGY

SHEET:

POST

© 2018 COLEMAN COMPANY, INC.

DATE PLOTTED: 9/1/2021 2:38 PM BY: Dillon Powell DRAWING PATH: Q:\2020\20-374.003\Civil\Documents\Reports\HYDROLOGY\20-374.003 POST HYDRO EXHIBIT.dwg

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Hydro 9.1.21 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

3.4.3 Exhibit 1 - Water Distribution System Check List

Typical Water System Plan shall include:	Check Off
1) Layout and legend	
2) Water System analysis and design (include calculations)	X
3) Show waterline easement (if applicable)	N/A
4) Pipe separated distances called out at utility crossings	
5) Isolation Valves	X
6) Valves 8" and larger placed in manholes	X
7) Meters sized and located on plans	X
8) All service connections shown	
9) Existing and proposed fire hydrants shown	X
10) Fire Flow Demand (Exhibit 2)	
▪ Calculate water need based upon ISO Guidelines	X
▪ Show maintenance responsibility for fire line and appurtenances in owner/client agreement (Exhibit 3)	X
▪ Show Backflow Detector Check Assembly	X
▪ If no fire system is proposed, please indicate on the plans	X
11) Irrigation System (BY OTHERS, NOT IN CONTRACT)	
▪ Calculate water need based upon system design	
▪ Show size and location of backflow preventor and water meter	
▪ If no irrigation system is proposed, please indicate on the plans	
12) Attach certification that water lines are not in, nor do they serve, structures built upon solid waste landfills	X
13) City of Port Wentworth specifications and details used	X
14) Proposed water/sewer agreement attached	X
15) Georgia Registered Professional Engineer stamp & signature	X

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - CDM Exhibits (2511 : Site Plan Review Application (Specific) 7-

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - CDM Exhibits (2511 : Site Plan Review Application (Specific) 7-

3.4.4 Exhibit 2 Fire Protection Design Requirements

This exhibit must be submitted for all private development projects that will be served by the City of Port Wentworth public water system.

PROJECT LMS Real Estate Investment Management, LLC **DATE** 08/12/2021
LOCATION 0 SAUSSY ROAD, PORT WENTWORTH, GA

WILL THE PROJECT INCLUDE A SPRINKLER SYSTEM? YES____ NO__X__

If yes, the system must be designed in accordance with NFPA 13, and the following additional question must be answered:

WILL THE SPRINKLER SYSTEM INCLUDE A BOOSTER PUMP OR THE USE OF CHEMICALS? YES_____ NO__X__

If yes, a reduced pressure zone (RPZ) type backflow preventor must be installed on the water service lateral that will supply the system, in accordance with the City of Port Wentworth specifications and details.

NEEDED FIRE FLOW (NFF):

The Needed Fire Flow (NFF) for a proposed facility must be calculated in accordance with the Insurance Services Office (ISO) "Fire Suppression Rating Schedule", current edition.

The ISO calculation to determine the NFF for a proposed facility considers the construction, occupancy, exposure, and communication of a building or fire division as follows:

Construction Factor (C) :

The portion of the NFF attributed to the construction and area of the proposed building is determined by the following formula:

$C = 18 * F * (A)^{0.5,}$ where

F = Coefficient related to the class of construction:

= 1.5 for Construction Class 1 (Frame)

= 1.0 for Construction Class 2 (Joisted Masonry)

= 0.8 for Construction Class 3 (Non-combustible) and
Construction Class 4 (Masonry Non-combustible)

= 0.6 for Construction Class 5 (Modified Fire Resistive) and
Construction Class 6 (Fire Resistive)

A = Effective Area

Note: Refer to the ISO Fire Suppression Rating Schedule for a detailed description of how to calculate the Construction Factor when the building Construction Class is mixed.

Class of Construction Factor (F): 1.5

Effective Area (A): 4,325 **square feet** LARGEST SINGLE BUILDING SF

Calculated Construction Factor (C): 1,775 **gallons/minute (gpm)**

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - CDM Exhibits (2511 : Site Plan Review Application (Specific) 7-

A. Occupancy Factor (O):

The portion of the NFF attributed to the occupancy of the proposed building is determined by the following factors:

Occupancy Combustibility Class	Occupancy Factor (O)
C-1 (Non-combustible)	0.75
C-2 (Limited Combustible)	0.85
C-3 (Combustible)	1.00
C-4 (Free Burning)	1.15
C-5 (Rapid Burning)	1.25

Occupancy Factor (O): 1.00

B. Exposures (X) and Communication Factors (P):

The portion of the NFF attributed to exposed and communicating buildings shall be determined in accordance with the ISO Fire Suppression Rating Schedule.

Exposure Factor (X): 0.140

Communication Factor (P): 0.0280

C. Calculation of Needed Fire Flow (NFF):

The Needed Fire Flow (NFF) for the facility shall be calculated using the following formula:

$$NFF = C * O * (X+P)_i$$

$$(X+P)_i = 1.0 + \bullet \sum_{i=1}^{n} (X_i + P_i)$$, maximum 1.75, where n = number of sides of subject building.

Calculated Needed Fire Flow (NFF): 2,073.2 **gpm**

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - CDM Exhibits (2511 : Site Plan Review Application (Specific) 7-

3.4.5 Exhibit 3 Available Fire Flow (Aff):

The Available Fire Flow (AFF) must be calculated based on hydrant flow testing and supplemental hydraulic analyses. The AFF will represent the fire flow that is available from the public water system at the existing or proposed hydrant nearest to the proposed facility at a residual pressure of 20 psi.

The following formula, which was developed by the ISO, can be used to adjust data from a hydrant flow test to determine the available fire flow at that location at 20 psi:

$$Q_{20} = Q_t * ((P_s - P_{20})^{0.54})/(P_s - P_t)^{0.54}$$

Q_{20} = Available fire flow at a residual pressure of 20 psi (gpm)
Q_t = Hydrant flow during test (gpm)
P_s = Static pressure measured before hydrant flow test (psi)
P_{20} = 20 psi (desired residual pressure)
P_t = Residual pressure measured during hydrant flow test (psi)

Note: City of Port Wentworth will provide one hydrant flow test at a location selected by the design consultant for no charge, which can be used as the basis for this calculation.

Hydrant Flow Rate During Test (Q_t): 920 **gpm**

Static Pressure Before Flow Test (P_s): 57 **psi**

Residual Pressure During Flow Test (P_t): 47 **psi**

Calculated Available Fire Flow (AFF): 1,865 **gpm**

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - CDM Exhibits (2511 : Site Plan Review Application (Specific) 7-

3.4.6 Hydrant Distribution Summary For Proposed Facility

DISTANCE FROM THE HYDRANT TO THE PROPOSED FACILITY (FEET)	FIRE FLOW CREDIT (GALLONS/MINUTE)
0 TO 300	1,000
301 TO 600	670
601 TO 1,000	250

DISTANCE FROM THE EXISTING AND PROPOSED HYDRANT TO THE PROPOSED FACILITY (FEET)	FIRE FLOW CREDIT (GALLONS/MINUTE)
250	1,000
250	1,000
250	1,000
500	670
500	670
TOTAL CREDIT (GALLONS/MINUTE):	4,340

Calculated by: Neil McKenzie, PE

Date: 08/12/2021

3.4.7 Exhibit 4 - Owner/Client Declaration

1. The owner/client will be responsible to maintain and operate the fire system from the tapping valve up to and including the backflow detector check valve assemble, along with the internal fire system.

2. The owner/client has responsibility to operate and maintain the backflow prevention device at subject location, and to include testing on an annual basis of the device as required by the City of Port Wentworth.

LMS

Owner/Client Name (Please Print)

Owner/Client Signature

8/26/21

Date

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - CDM Exhibits (2511 : Site Plan Review Application (Specific) 7-

3.5.3 Exhibit 1 - Wastewater Collection System Check List

Typical Wastewater System Plan shall include:	Check Off
1) Layout and legend	X
2) Exhibit 2 completed (load data)	X
3) For effluents with process water, comply with the City's Pretreatment Ordinance.	N/A
4) Show sewer easement (if applicable)	N/A
5) Manholes numbered and placed at 350' (max.) spacing	X
6) Manholes placed at line directional changes	X
7) Manhole frame and invert elevations shown	X
8) Invert elevations shown for all pipe inside manholes	X
9) Minimum gradient of 0.4% used for 8" pipes	X
10) Maximum height of 2' between invert of pipes and invert of discharge manholes	X
11) Minimum angle of 90 degrees for influent lines	X
12) All sanitary sewers profiled	X
13) Oil/grease traps and details provided for service station and food service preparers	N/A
14) Grading, paving, drainage, erosion control plans attached	X
15) Attach certification that water and/or sewer lines are not in, nor do they serve, structures built upon solid waste landfills	X
16) For pump station design:	
a. Attach design calculations with pump curves	X
b. City of Port Wentworth pump station design standards used to prepare drawings, details and specifications	X
17) City of Port Wentworth sewer specifications and details used	X
18) Proposed water/sewer agreement attached	X
19) Georgia Registered Professional Engineer stamp and signature	X

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - CDM Exhibits (2511 : Site Plan Review Application (Specific) 7-

3.5.4 Exhibit 2 Equivalent Residential Unit (ERU) Calculations

The following is designed to compute the total number of equivalent residential units (ERU's), as well as, total water and sewer fees.

PROJECT LMS Real Estate Investment Management, LLC **DATE** 08/12/2021

LOCATION 0 SAUSSY ROAD, PORT WENTWORTH, GA

RESIDENTIAL USE: EQUIVALENT RESIDENTIAL UNITS (ERU)			
Total Number of Single Family Homes	@ 300 gpd	=	GP
Total Number of One Bedroom Apartments	21 @ 150 gpd	=	2,100 GP
Total Number of Two Bedroom Apartments	160 @ 200 gpd	=	32,000 GP
Total Number of Three Bedroom Apartments	28 @ 300 gpd	=	8,400 GP
(4 or more units per parcel)	TOTAL GPD 42,500 GPD		
	Divide by 300 gpd (1 ERU)		
	= TOTAL ERU's 141.67 ERUs		

COMMERCIAL USE: GALLONS PER DAY (GPD)			
Offices	30 gallons/200 sq. ft.	=	GPD
Department Store/Retail	5 gallons/100 sq. ft.	=	GPD
Restaurant, Less Than 24 hr Operation	25 gallons/seat	=	GPD
Restaurant, 24 hr Operation	50 gallons/seat	=	GPD
Hotel/Motel	100 gallons per room	=	GPD
Schools/Day, Restrooms, gym &	25 gallons/person	=	GPD
Self Service Laundry	200 gallons/machine	=	GPD
Commercial Laundry	1000 gallons/machine	=	GPD
Physician's Office	100 gallons/exam room	=	GPD
Dental Office	150 gallons/chair	=	GPD
Clinic	150 gallons/exam room	=	GPD
Nursing Home	100 gallons/resident	=	GPD
Barber Shop/Beauty Parlor	100 gallons/chair	=	GPD
Banks	30 gallons/200 sq.ft.	=	GPD
Grocery Store	5 gallons/100 sq.ft.	=	GPD
Warehouse	10 gallons/1000 sq.ft.	=	GPD
Other - CLUBHOUSE	6 gallons/100 sq.ft.	=	2,664 GPD
	TOTAL GPD 45,164 GPD		
	= TOTAL ERU's 150.55 ERUs		

Calculated by: NEIL McKENZIE, PE Date: 08/12/2021

For determination of sewer tap fees reference Port Wentworth Code of Ordinance Article III Section 21-63

For determination of water tap fees reference Port Wentworth Code of Ordinance Article I Section 21-11

For determination of fire protection tap fees reference Port Wentworth Code of Ordinance Article I Section 21-11

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - CDM Exhibits (2511 : Site Plan Review Application (Specific) 7-

Appendix A Water/Wastewater Availability

WATER/WASTEWATER AVAILABILITY REQUEST FORM

Date: 08/12/2021

A. Owner/Developer LMS Real Estate Investment Management, LLC Phone# _____

Address PO Box 43427 - 3975 Asbury Road, Birmingham, AL 35243

Contact Person Hunter Benton Phone # _____

Address 1480 Chatham Parkway, Suite 100, Savannah, GA 31405

Engineer Coleman Company, Inc. Phone # 912-200-3041

Development Name LMS Cottages

B. Development Location _____

Township, Map & Parcel # (Attach Plat) _____

C. Type of Development (Circle appropriate choice)

Residential (Multi-Family) Commercial Industrial Institutional

Number of lots/single family units 205 Building Square Footage N/A

Number of multi/family units N/A

Type of Business(es) N/A

Rezoning Required: Yes (No) **Subdivision Required:** Yes (No)

D. Maximum number of employees in 24 hour period N/A

If restaurant, seating capacity N/A

If car wash, number of bays N/A

If Laundromat, number of washers N/A If church, number of seats N/A

E. **SITE PLANS AND WATER/WASTEWATER USE CALCULATIONS ARE NEEDED FOR FEE QUOTES**

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Appendix A Water Wastewater Availability (2511 : Site Plan

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Appendix A Water Wastewater Availability (2511 : Site Plan

Appendix B Tapping Policy & Procedure

PURPOSE

The purpose of this policy is to ensure that the City's infrastructure is not compromised due to an improper tapping procedure or use of unapproved equipment, and to minimize the number of taps made to the infrastructure. Every tap made to the City's system is a potential leak point and adequate steps must be taken to ensure the long term viability of the tap assembly.

POLICY

All taps on existing infrastructure must be performed by an approved licensed contractor in the presence of City personnel or Approved Representative. All requests for taps must be scheduled with the City or Approved Representative with a 72 hour notification. The Developer's contractor will be responsible for safe excavation and shoring of the trench at the location to be tapped.

PROCEDURE

1. Tap fees will be quoted at the time of plan submission, and are due prior to the pre-construction conference.
2. The contractor/entity must schedule the tap through the City Administrator.
3. The contractor/entity must excavate the line and install the tap assembly and schedule the pressure test. The tap assembly must be holding 150 psi when the City's personnel or Approved Representative arrives on site. Should the City or Approved Representative arrive as scheduled and the test fail, an automatic additional return charge of one half of the tap fee cost must be paid prior to rescheduling.
4. The tap assembly, associated piping, and if installed, the master meter will be owned, operated and maintained by the City.

Appendix C DOT Utility Encroachment Permit Data Requirements

The City Administrator or Approved Representative will execute the application process for all DOT utility encroachment permits.

The Developer/Engineer will submit the following project information to the City Administrator or Approved Representative for DOT utility encroachment permits:

- The County
- The route type (state route, city street, county road, etc)
- The route number
- Beginning and ending mile points, with a point reference
- A paragraph of "work description"
- The details regarding the components of installation – examples are:
  - Pipe Size
  - Pipe Material
  - Casing Material
  - Number of Valves
  - Number of Fire Hydrants
  - Number of Manholes
  - Pressure (psi)
  - Type of main (pressure or gravity)
- Physical information about the installation – such as a 10' minimum distance from the edge of pavement, specify depth from road surface to top of casing for any required drilling.
- The dates the work should begin and end
- Contact information of responsible parties
- NJUNS number if applicable
- Plans, detailed drawings, traffic control plans (if necessary) submitted as jpg images

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Appendix A Water Wastewater Availability (2511 : Site Plan

Appendix D Inspection Checklists

Erosion Control NPDES Compliance Checklist

Fire Hydrant Data Sheet

Force Main HydrostaticTest

Reclaimed Water System HydrostaticTest

Roads Inspection Sheet

Storm Drainage Data Sheet

Storm Drainage System Inspection Sheet

Subdivision Checklist

Wastewater Pump Station Inspection Sheet

Wastewater System Inspection Sheet

Water Distribution System Inspection Sheet

Water System HydrostaticTest

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Appendix A Water Wastewater Availability (2511 : Site Plan

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

TRAFFIC IMPACT AND ACCESS STUDY

SAUSSY FARM APARTMENT DEVELOPMENT
AUGUSTA ROAD (SR 80)
PORT WENTWORTH, GEORGIA

Prepared for:

LMS Real Estate Investment Management, LLC
Homewood, AL

Submitted
June 2021

Prepared by:

EPC, LLC
2404 Taylor Road
Cayce, SC 29033

(803) 794 7018
(803) 794 9216 Fax

EPC, LLC
2404 Taylor Road
Cayce, SC 29033
(803) 794 7018
(803) 794 9216 Fax

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

June 21, 2021

Ms. Sarah Miller
LMS Real Estate Investment Management, LLC
1744 Oxmoor Road
Homewood, AL 35209

Phone: 205 933 1227 X 230
Email: smiller@lms-realestate.com

RE: Traffic Impact and Access Study
Saussy Farms
Port Wentworth, GA

Dear Ms. Miller:

As requested, Encroachment Permit Clearinghouse (EPC) has completed an assessment of the traffic impacts associated with the development of Saussy Farms, a new residential complex to be located to the west side of Augusta Road, north of Saussy Road in Port Wentworth, GA. The following provides a summary of this study's findings.

PROJECT DESCRIPTION

The project site is generally located on the west side of Augusta Road (SR 21) between Saussy Road and Jeffers Road. The site is a 23.7-acre parcel that is undeveloped and was recently used as agriculture (timber). As planned a new residential neighborhood will be constructed which will contain a total of 209 townhome style rental residential units. Main access to/from the development is planned along Saussy Road via an access located approximately 325-feet west of Augusta Road. A secondary minor/emergency exit only access is planned along Jeffers Road. As scheduled, this development is planned to be constructed and occupied by 2023. **Figure 1** depicts the site location in relation to the regional roadway system. **Figure 2** depicts the proposed development plan (Figures located at end of report).

EXISTING CONDITIONS

A comprehensive field inventory of the project study area was conducted in early June 2021. The field inventory included a collection of geometric data, traffic volumes and traffic control within the study area. The following sections detail the current traffic conditions and include a description of roadways/intersections serving the site and traffic flow in close proximity to the project.

Study Area Intersections

As requested by City staff, the intersection of Augusta Road at Saussy Road and the planned site access along Saussy Road have been required to be analyzed in order to determine project impact on the surrounding roadway network.

Figure 3 illustrates the existing geometrics and traffic control for the study area intersection and surrounding roadways.

Traffic Volumes

Due to timing during the Covid-19 issues, GDOT has defined a methodology to conducting traffic volume counts and adjusting them to account for the normal non-covid-19 conditions as indicated by the following:

> *If traffic counts have not been collected at the location within the past three years, the engineer should obtain new counts for the location. Prior to collecting counts, the engineer should identify the nearest Continuous Count Station (CCS) or Short-Term count station from GDOT's Traffic Analysis and Data Application (TADA). The traffic counts should be collected following standard procedures with additional daily counts being collected at the location of nearby CCS or Short-Term count stations.*
>
> *Turning movement counts should be factored based on the comparison of data available in TADA and the newly collected daily count data utilizing appropriate engineering judgement. All future year projections should be completed based on standard GDOT methodology and documented for approval. When utilizing this approach, please provide the factoring methodology utilized, including all assumptions.*

A permanent GDOT TADA count location is available just north of the site in the vicinity of Market Boulevard. Historical data for this location is presented below:

	St #051-0109 Augusta Road n/o Saussy Road @ Market Blvd
2019	35,900
2018	34,100
2017	33,500

Ref. GDOT TADA.

Daily volumes collected for the day of data collection for this project on June 6th 2021 using the TADA daily volume calendar at the same location indicates a daily two-way volume of 41,136 vehicles. Utilizing this 2021 data and comparing it to the TADA information in 2019 indicates that this roadway is significantly greater than Covid-19 conditions and no longer requires an adjustment to the gathered Existing peak-hour volumes.

Figure 4 graphically depicts the respective Existing AM and PM peak-hour traffic volumes for the study area intersection. Summarized count sheets are included in the Appendix of this report.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

FUTURE CONDITIONS

Traffic analyses for future conditions have been conducted for two separate scenarios: first, 2023 No-Build conditions, which include an annual normal growth in traffic, all pertinent background development traffic, and any pertinent planned roadway/intersection improvements; and secondly, 2023 Build conditions, which account for all No-Build conditions PLUS traffic generated by the proposed development.

Future No-Build Traffic Conditions

Background Development & Planned Roadway Improvements

Currently there are no adjacent background developments within the immediate vicinity of the project nor are there any planned infra-structure improvements expected within the future design year of the development.

Annual Growth Rate

Traffic volumes along Augusta Road have increased over the years at a relatively high rate. As identified by the TADA count information between 2019 and 2021 a 7-percent annual growth has occurred. This annual growth rate was applied to the Existing peak-hour traffic volumes in order to reflect future traffic volumes conditions which are presented by **Figure 5** illustrating the anticipated 2023 No-Build AM and PM peak-hour traffic volumes.

Site-Generated Traffic

Traffic volumes expected to be generated by the proposed project were forecasted using the *Tenth Edition* of the ITE *Trip Generation* manual, as published by the Institute of Transportation Engineers. **Table 1** depicts the anticipated site-generated traffic.

Table 1
TRIP GENERATION SUMMARY[1]
Saussy Farms
Port Wentworth, GA

Time Period	209 Multi-Family Units
Weekday Daily	1,540
AM Peak-Hour	
Enter	22
Exit	74
Total	96
PM Peak-Hour	
Enter	74
Exit	43
Total	117

1. ITE *TRIP GENERATION* 10th Ed. LUC 220.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

As shown, the proposed development at build-out can be expected to generate 1,540 two-way daily trips of which a total of 96 trips (22 entering and 74 exiting) are expected during the AM peak-hour. During the PM peak-hour, a total of 117 trips (74 entering, 43 exiting) are expected.

Distribution Pattern

The directional distribution of site-generated traffic on the study area roadways has been based on an evaluation of existing travel patterns in the study area. As expected, a majority of the site-generated traffic can be expected to orient towards/from the south; I 95, Port Wentworth, Savannah. The anticipated pattern is shown in **Table 2**. This distribution pattern has been applied to the site-generated traffic volumes from Table 1 to develop the site-generated specific volumes for the study area intersections illustrated in **Figure 6**. It should be noted that since the access to/from Jeffers is expected to be a very minor allowing egress only access, 100-percent of the site-generated traffic has been assigned to the Saussy Road access which will provide a somewhat conservative analyses framework when reviewing operations for the Augusta Road at Saussy Road intersection.

Table 2
TRIP DISTRIBUTION PATTERN
Saussy Farms
Port Wentworth, GA

Roadways	Direction To/From	Percent of Trips Enter/Exit
Little Neck Road	North	30
	South	25
New Hampstead Parkway	West	5
US 16	East	35
	West	5
	Total	**100**

Note: Based on the existing traffic patterns during both peak hours.

Future Build Traffic Conditions

The site-generated traffic, as depicted in Figure 6 has been added to the respective 2023 No-Build traffic volumes shown in Figure 5. This results in the peak-hour 2023 Build traffic volumes, which are graphically depicted in **Figure 7.** These volumes were used as the basis to determine potential improvement measures necessary to mitigate traffic impacts caused by the project.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

TRAFFIC OPERATIONS

Analysis Methodology

A primary result of capacity analysis is the assignment of Level-of-Service (LOS) to traffic facilities under various traffic flow conditions. The concept of Level-of-Service is defined as a qualitative measure describing operational conditions within a traffic stream and their perception by motorists and/or passengers. A Level-of-Service designation provides an index to the quality of traffic flow in terms of such factors as speed, travel time, freedom to maneuver, traffic interruptions, comfort, convenience, and safety.

Six Levels-of-Service are defined for each type of facility (signalized and unsignalized intersections). They are given letter designations from A to F, with LOS A representing the best operating conditions and LOS F the worst.

Since the Level-of-Service of a traffic facility is a function of the traffic flows placed upon it, such a facility may operate at a wide range of Levels-of-Service depending on the time of day, day of week, or period of a year.

Analysis Results

As part of this TIAS, capacity analyses have been performed at the study area intersections under both Existing and Future (No-Build & Build) conditions. The results of these analyses are summarized in **Table 3**.

Table 3
LEVEL-OF-SERVICE SUMMARY[1]
Saussy Farms
Port Wentworth, GA

	Time	2021 EXISTING		2023 NO-BUILD		2023 BUILD	
Unsignalized Intersections	**Period**	**Delay[2]**	**LOS[3]**	**Delay**	**LOS**	**Delay**	**LOS**
Augusta Road at Saussy Road	AM	19.6	C	23.1	C	**>300.0**	**F**
	PM	**114.4**	**F**	**209.0**	**F**	**>300.0**	**F**
Saussy Road at Site Access	AM	To be Constructed by Development				8.9	A
	PM					8.9	A

1. Calculations completed using the HCM 6th Edition methodology.
2. Delay in seconds-per-vehicle.
3. LOS = Level-of-Service.

GENERAL NOTES:

1. For unsignalized intersections, Delay is representative of the worst approach.

As shown in Table 3, under Existing conditions, the unsignalized intersection of Augusta Road at Saussy Road operates at a LOS C during the AM peak-hour and a LOS F during the PM peak-hour. The main reason for the poor PM peak-hour service level is the very high volume of through traffic on Augusta Road especially in the northbound direction. It should be noted that the affected peak-hour volumes are less than five during either peak-hour, the main issue is the minor street (Saussy Road) left-turn movement that must cross a four-lane cross-section to make the left-turn movement. Additionally, since the Saussy Road approach to Augusta Road is a single-lane where both left and right-turn movements

must share the same lane, right-turn movements are delayed as they must wait for any left-turn movement ahead of them.

Future 2023 No-Build conditions which assume the annual regional growth result in increase in delays for the Augusta Road at Saussy Road intersection but the same service levels during each of the studied peak hours.

Build 2023 conditions which account for the addition of project generated traffic result in poor service levels during both the AM and PM peak hours. As expected, the main issue is again the minor street approach (mainly left-turn movement) which must wait for gaps in the high volumes of northbound and southbound through traffic travelling Augusta Road. Just as under Existing conditions, both the minor street left and right-turn movements are made from a single-lane.

The proposed project site access drive to/from Saussy Road is expected to operate at good service levels during both peak hours assuming the geometrics and traffic control identified in the next section.

MITIGATION

The final phase of the analysis process is to identify mitigating measures which may either minimize the impact of the project on the transportation system or tend to alleviate poor service levels not caused by the project. The following describes measures necessary to mitigate the project's impact.

Site Access Drives

Saussy Road Access

Access to be located approximately 325-feet west of Augusta Road at the location of a power-line easement. The specific geometric and traffic control requirements for this new access driveway are as follows:

- ***Southbound (Site Access) Approach:*** Construct site access to provide a two-lane approach with one lane entering the site and one lane exiting designated as a shared left/right-turn lane;

- ***Eastbound (Saussy Road) Approach:*** Based on projected peak-hour volumes, a left-turn lane entering the site is not recommended due to insufficient volumes both making the left-turn into the site and conflicting traffic currently utilizing Saussy Road;

- ***Westbound (Saussy Road) Approach:*** Based on projected peak-hour volumes, a right-turn lane entering the site access is not recommended based on the low volume of Existing traffic currently utilizing Saussy Road;

- ***Throat Distance:*** Separation between Saussy Road and the gated access is stated as a minimum of 200-feet (*Figure 3-1.2*). This separation/distance is met given the geometrics of the access shown by the site plan;

- ***Traffic Control:*** Place intersection under STOP sign control; and

- **Saussy Road Cross-Section:** The Saussy Road cross-section between Augusta Road and the planned site access drive is rural ditch-to-ditch cross-section of approximately 28-feet with a paved roadway cross-section of 16-17-feet. No roadway shoulders exist and the current

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

pavement conditions approaching Augusta Road are below average. The project will increase the volume of traffic along this section of Saussy Road significantly as compared to the existing traffic collected in the field. It is suggested that the section of Saussy Road between the site access and Augusta Road be widened to a traditional 2-lane cross-section with a standard with of 24-feet. Improvements for the immediate approach to Augusta Road will be discussed in the off-site intersection section.

Jeffers Road Egress

Access to be located approximately 125-feet west of Augusta Road. This access is considered a minor drive and only allows vehicles to exit the site towards Augusta Road and make a right-turn onto Augusta Road due the adjacent intersection operating as a right-in/right-out only. Jeffers Road is a private roadway, currently unpaved, providing a cross-section of 11-feet or a single-operating lane. The specific geometric and traffic control requirements for this new access driveway are as follows:

- ***Northbound (Site Access) Approach:*** Construct site access to provide a one-lane approach for vehicles exiting the site which will operate under STOP sign control. Install right-turn only signage to instruct drivers to avoid making a left-turn; and

- ***Jeffers Road Cross-Section:*** Improve current section of roadway between site access and Augusta Road if allowed by private owner.

Sight Distance Considerations

The access drive intersection should be designed/constructed to meet current applicable GDOT standards and/or guidelines in terms of sight distance. It is assumed that this will be the responsibility of the project's civil engineer and will be depicted by the site plan/submittal information.

Off-Site Study Area Intersection

Augusta Road at Saussy Road- As shown in Table 3, the Augusta Road at Saussy Road study area intersection operate operates poorly during the PM peak-hour and is expected to continue to operate poorly under future Build conditions including the AM peak-hour. In order to improve vehicular circulation at this intersection the following improvements are recommended:

- ***Northbound (Augusta Road) Approach:*** The storage length of the left-turn lane has been reviewed in order to prevent queues that would exceed the storage length and back up into Augusta Road. Based on SimTraf queue analyses, the northbound left-turn lane is not expected to exceed the available 200-foot lane length therefore no improvement is recommended at this time;

- ***Southbound (Augusta Road) Approach:*** Review of the volume of traffic entering Saussy Road from this direction, the outside (#2) through lane which currently provides for the right-turn to Saussy Road is sufficient to accommodate future conditions therefore no improvement is recommended at this time;

- ***Eastbound (Saussy Road) Approach:*** Widen the Saussy Road approach to provide a separate left-turn lane and a separate right-turn lane. Based on projected peak-hour volumes and *Table 4-8 of GDOT's Regulations for Driveway and Encroachment Control*, this right-turn lane should provide a 100-foot lane and a 50-foot taper; and

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

- ***Traffic Control:*** Maintain STOP sign control of intersection and improve pavement markings as needed to accommodate the improved approach width of Saussy Road.

SUMMARY

EPC has completed a Traffic Impact and Access Study relative to the development of a new residential neighborhood to be located on the west side of Augusta Road, between Saussy Road and Jeffers Road in Port Wentworth, GA. As planned, the development will contain a total of 209 multi-family residential units which will access Saussy Road. This project is expected to be constructed and operational in 2023.

Detailed analyses have been conducted for the adjacent off-site intersection of Augusta Road at Saussy Road in order to review potential impacts resulting from the main development access serving the site along Saussy Road.

Recommendations have been made for the future site access drive along Saussy Road which include suggestions for the approach cross-section as well improvements to Saussy Road between the site access and Augusta Road to serve traffic both existing and future site traffic along this roadway.

If you have any questions or comments regarding any information contained within this memo, please contact me at (803) 361 3265.

Regards,

Todd G. Salvagin

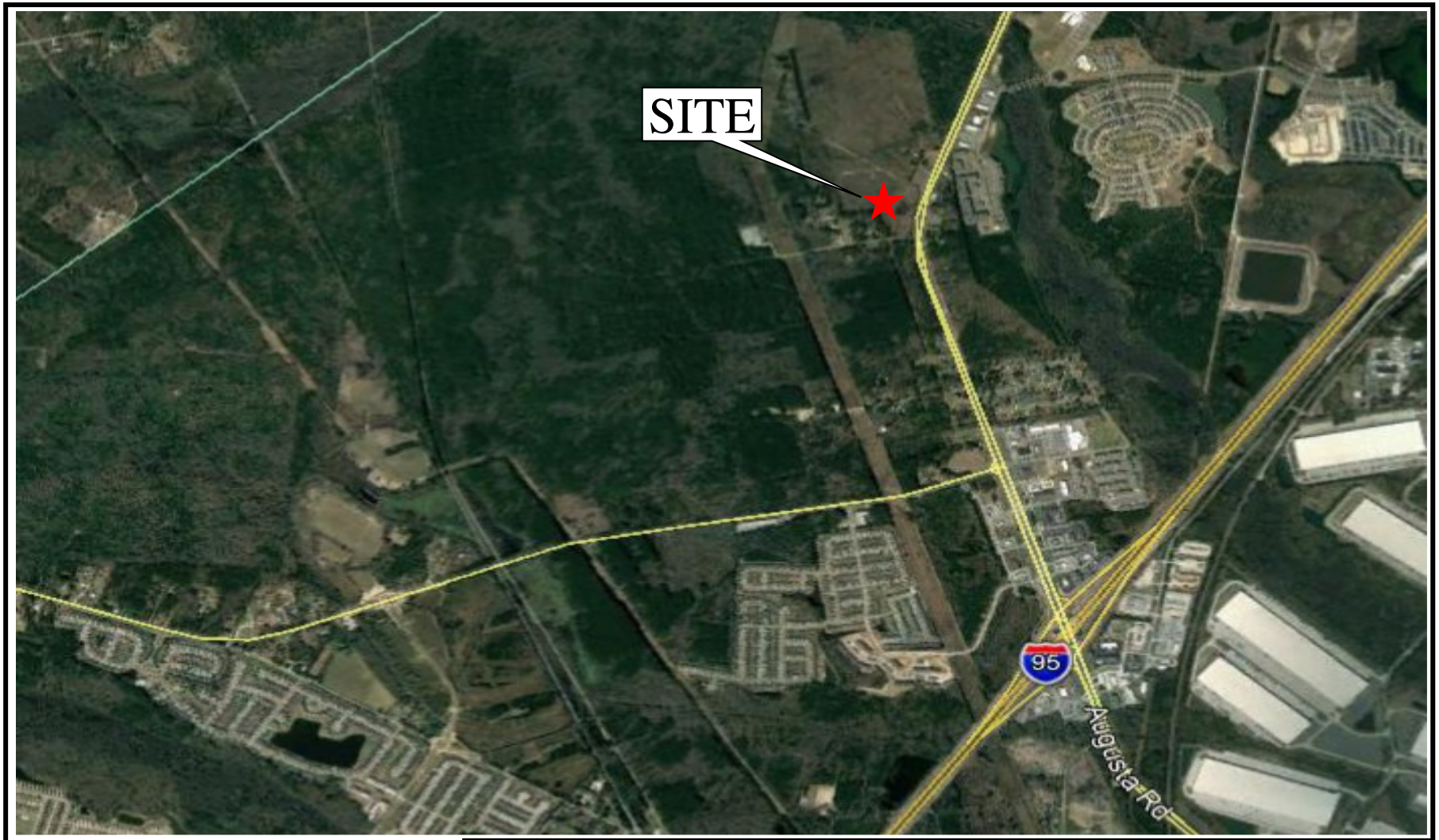
Todd E. Salvagin, Principal
EPC, LLC

Attachments

GEORGIA REGISTERED No. PE043152 PROFESSIONAL ENGINEER DAVID D. BREWER

EPC, LLC
COA No. PEF007836
Expires 06-30-2022

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review



N

NOT TO SCALE

Figure 1

SITE LOCATION MAP

Saussy Farms Residential
Port Wentworth, GA

EPC, LLC

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access

A1 - 7	3.35%
A2 - 14	6.70%
A3 - 12	5.74%
B1 - 14	6.70%
B2 - 24	11.48%
B3 - 16	7.66%
C - 122	58.37%
209 UNITS	100%

SITE: 23.70 AC
WETLANDS: 4.22 AC BUFFERS: 3.88
UNITS PROVIDED: 209 UNITS
UPLAND AC: 19.48 = 209 UNITS @ 10.73 UNITS PER AC
STORM DETENTION: 2.21 AC = 11.35%

COLEMAN COMPANY
ENGINEERS • SURVEYORS
Savannah, Georgia | (912) 200-3041 | COLSAV.COM

NOT FOR CONSTRUCTION

SITE PLAN IS CONCEPTUAL IN NATURE AND SUBJECT TO CHANGE UPON FINAL SURVEY AND JURISDICTIONAL INVESTIGATION

REVISIONS:

CONCEPTUAL SITE PLAN

SAUSSY FARMS

LOCATED IN PORT WENTWORTH, GEORGIA

JOB NUMBER:	20-374.003
DATE:	05/12/2021
DRAWN BY:	FPGD
CHECKED BY:	NPM
SCALE:	AS NOTED

GENERAL DEVELOPMENT PLAN

SHEET: CP1.1

© 2018 COLEMAN COMPANY, INC.
DATE PLOTTED: 5/12/2021 4:55 PM BY: Fred Doyle DRAWING PATH: Q:\2020\20-374.003\DWG\Planning\20-374.003 Saussy Farms 05-12-2021.dwg

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B LMS)

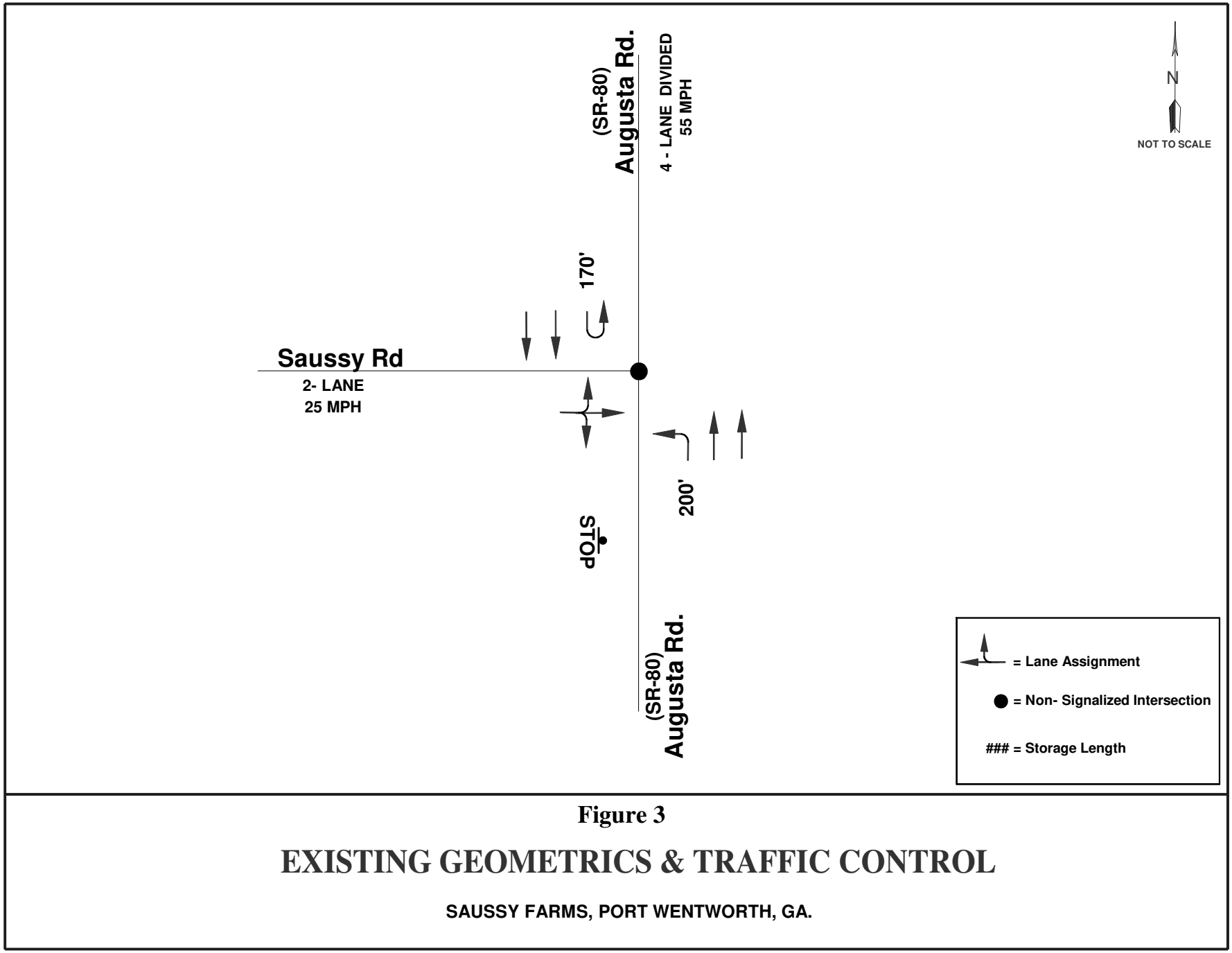


Figure 3

EXISTING GEOMETRICS & TRAFFIC CONTROL

SAUSSY FARMS, PORT WENTWORTH, GA.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access

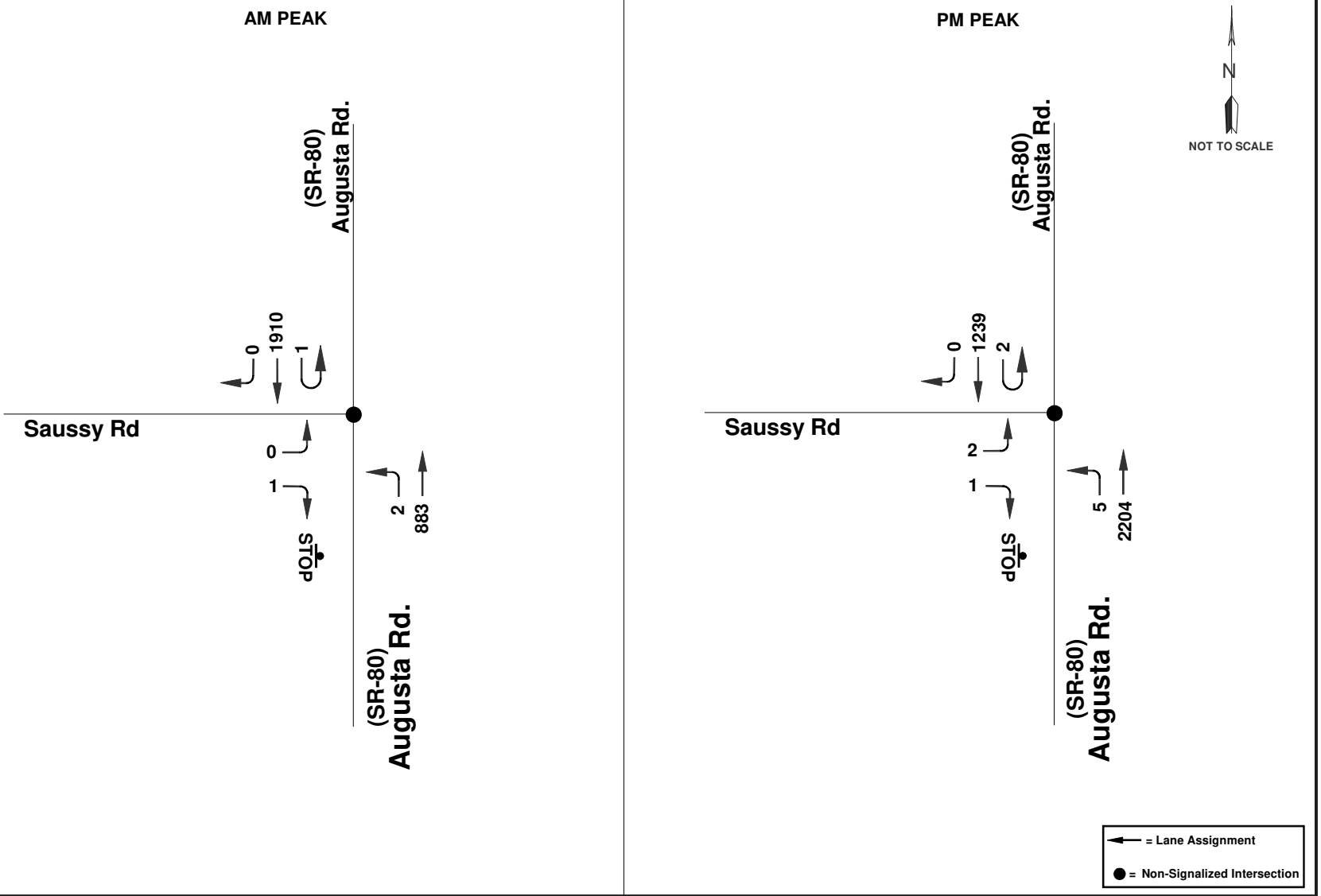


Figure 4

2021 EXISTING TRAFFIC VOLUMES
AM & PM PEAK HOURS

SAUSSY FARMS, PORT WENTWORTH, GA.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access

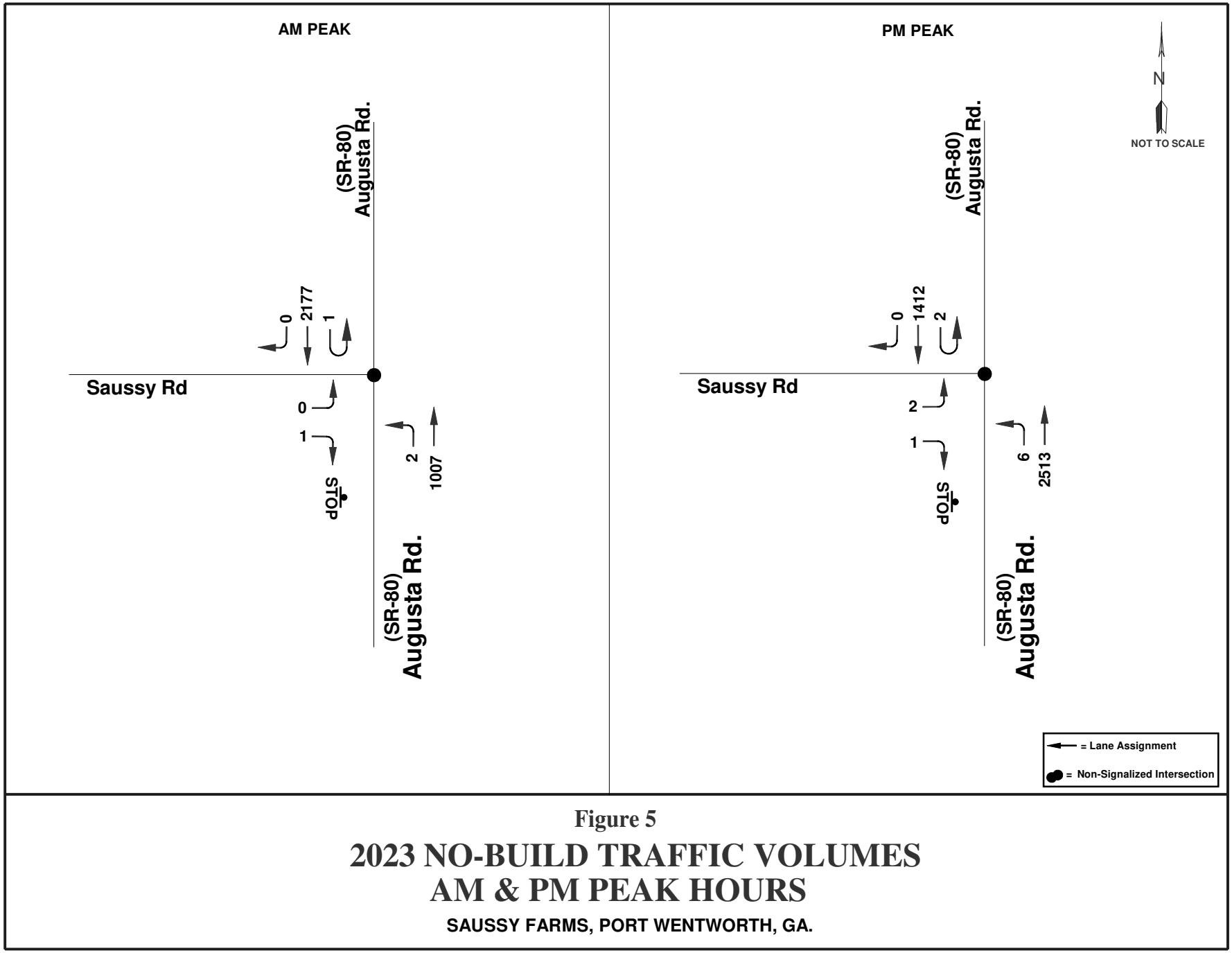


Figure 5

2023 NO-BUILD TRAFFIC VOLUMES
AM & PM PEAK HOURS

SAUSSY FARMS, PORT WENTWORTH, GA.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access

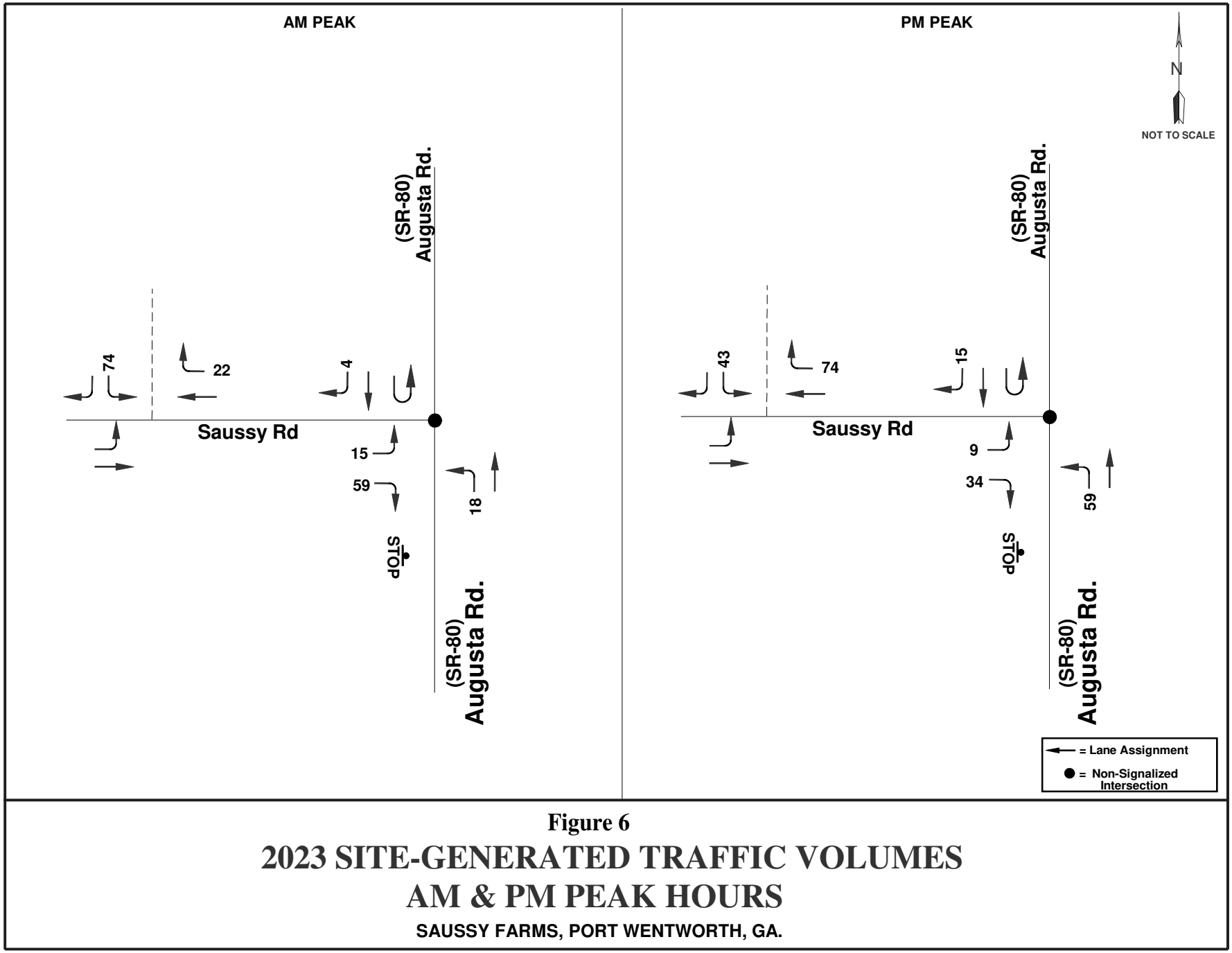


Figure 6

2023 SITE-GENERATED TRAFFIC VOLUMES
AM & PM PEAK HOURS

SAUSSY FARMS, PORT WENTWORTH, GA.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access

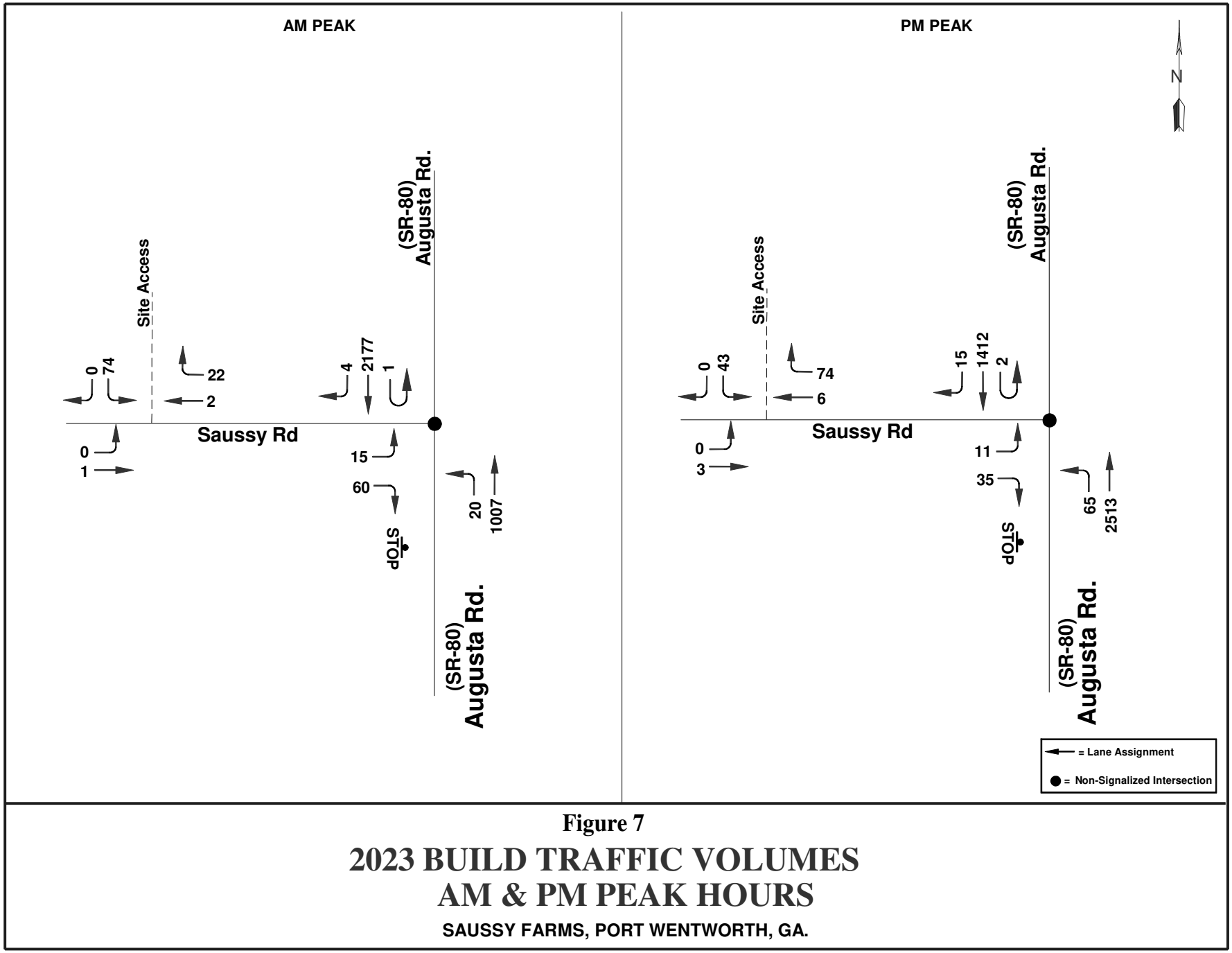


Figure 7

2023 BUILD TRAFFIC VOLUMES
AM & PM PEAK HOURS

SAUSSY FARMS, PORT WENTWORTH, GA.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

COUNT DATA

SHORT COUNTS, LLC

735 Maryland St
Columbia, SC 29201

We can't say we're the Best, but you Can!

File Name : Hwy 21 @ Saussy
Site Code :
Start Date : 06/09/2021
Page No : 1

Groups Printed- Passenger Vehicles - Heavy Vehicles - Buses

	Hwy 21 (Augusta Rd) Southbound				Saussy Rd Westbound				Hwy 21 (Augusta Rd) Northbound				Saussy Rd Eastbound				
Start Time	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Int. Tot
07:00	0	511	0	0	0	0	0	0	0	189	0	0	0	0	0	0	7(
07:15	0	511	0	0	0	0	0	0	1	198	0	0	0	0	0	0	71
07:30	0	429	0	0	0	0	0	0	0	236	0	0	0	0	0	0	66
07:45	1	459	0	0	0	0	0	0	1	260	0	0	0	0	1	0	72
Total	1	1910	0	0	0	0	0	0	2	883	0	0	0	0	1	0	279
08:00	0	346	0	0	0	0	0	0	1	237	0	0	1	0	1	0	58
08:15	0	371	0	0	0	0	0	0	1	213	0	0	0	0	0	0	58
08:30	0	369	0	0	0	0	0	0	0	210	0	0	0	0	0	0	57
08:45	0	328	0	0	0	0	0	0	0	250	0	0	1	0	1	0	58
Total	0	1414	0	0	0	0	0	0	2	910	0	0	2	0	2	0	233
16:00	0	324	1	0	0	0	0	0	0	483	0	0	0	0	1	0	8(
16:15	0	289	1	0	0	0	0	0	1	512	0	0	0	0	0	0	8(
16:30	0	276	0	0	0	0	0	0	1	588	1	0	1	0	0	0	86
16:45	0	291	0	0	0	0	0	0	1	551	0	0	0	0	0	0	84
Total	0	1180	2	0	0	0	0	0	3	2134	1	0	1	0	1	0	332
17:00	0	335	1	0	0	0	0	0	3	571	0	0	1	0	1	0	91
17:15	0	337	1	0	0	0	0	0	0	494	1	0	0	0	0	0	83
17:30	0	334	3	0	0	0	0	0	1	521	0	0	0	0	2	0	86
17:45	0	285	1	0	0	0	0	0	0	517	3	0	3	0	0	0	8(
Total	0	1291	6	0	0	0	0	0	4	2103	4	0	4	0	3	0	341
Grand Total	1	5795	8	0	0	0	0	0	11	6030	5	0	7	0	7	0	118(
Apprch %	0	99.8	0.1	0	0	0	0	0	0.2	99.7	0.1	0	50	0	50	0	
Total %	0	48.8	0.1	0	0	0	0	0	0.1	50.8	0	0	0.1	0	0.1	0	
Passenger Vehicles	0	5435	7	0	0	0	0	0	10	5643	5	0	6	0	6	0	1111
% Passenger Vehicles	0	93.8	87.5	0	0	0	0	0	90.9	93.6	100	0	85.7	0	85.7	0	93
Heavy Vehicles	1	356	1	0	0	0	0	0	0	380	0	0	0	0	1	0	73
% Heavy Vehicles	100	6.1	12.5	0	0	0	0	0	0	6.3	0	0	0	0	14.3	0	6
Buses	0	4	0	0	0	0	0	0	1	7	0	0	1	0	0	0	1
% Buses	0	0.1	0	0	0	0	0	0	9.1	0.1	0	0	14.3	0	0	0	0

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

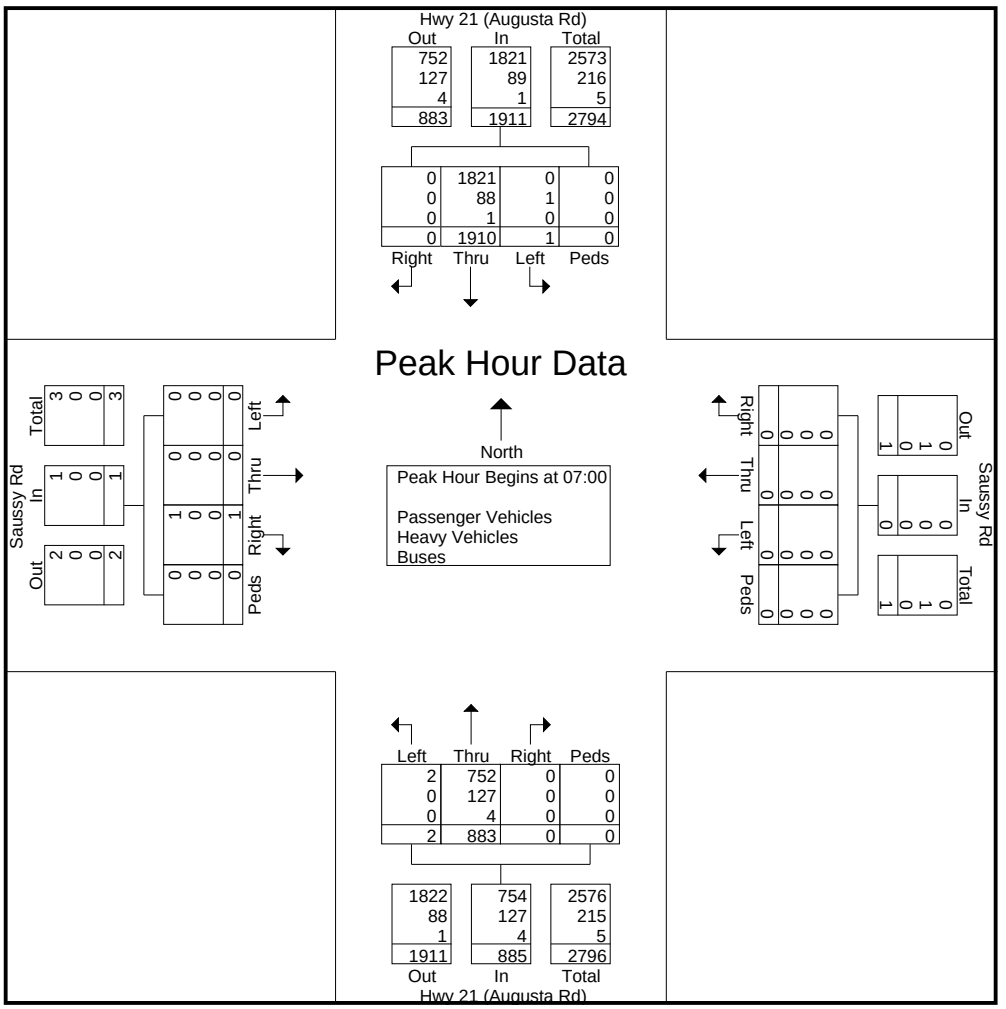
SHORT COUNTS, LLC

735 Maryland St
Columbia, SC 29201

We can't say we're the Best, but you Can!

File Name : Hwy 21 @ Saussy
Site Code :
Start Date : 06/09/2021
Page No : 3

	Hwy 21 (Augusta Rd) Southbound					Saussy Rd Westbound					Hwy 21 (Augusta Rd) Northbound					Saussy Rd Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. To
Peak Hour Analysis From 07:00 to 08:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00																					
07:00	0	**511**	0	0	**511**	0	0	0	0	0	0	189	0	0	189	0	0	0	0	0	70
07:15	0	511	0	0	511	0	0	0	0	0	**1**	198	0	0	199	0	0	0	0	0	71
07:30	0	429	0	0	429	0	0	0	0	0	0	236	0	0	236	0	0	0	0	0	66
07:45	**1**	459	0	0	460	0	0	0	0	0	1	**260**	0	0	**261**	0	0	**1**	0	**1**	**72**
Total Volume	1	1910	0	0	1911	0	0	0	0	0	2	883	0	0	885	0	0	1	0	1	279
% App. Total	0.1	99.9	0	0		0	0	0	0		0.2	99.8	0	0		0	0	100	0		
PHF	.250	.934	.000	.000	.935	.000	.000	.000	.000	.000	.500	.849	.000	.000	.848	.000	.000	.250	.000	.250	.96
Passenger Vehicles	0	1821																			
% Passenger Vehicles	0	95.3	0	0	95.3	0	0	0	0	0	100	85.2	0	0	85.2	0	0	100	0	100	92
Heavy Vehicles	1	88	0	0	89	0	0	0	0	0	0	127	0	0	127	0	0	0	0	0	21
% Heavy Vehicles	100	4.6	0	0	4.7	0	0	0	0	0	0	14.4	0	0	14.4	0	0	0	0	0	7
Buses	0	1	0	0	1	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	
% Buses	0	0.1	0	0	0.1	0	0	0	0	0	0	0.5	0	0	0.5	0	0	0	0	0	0



Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

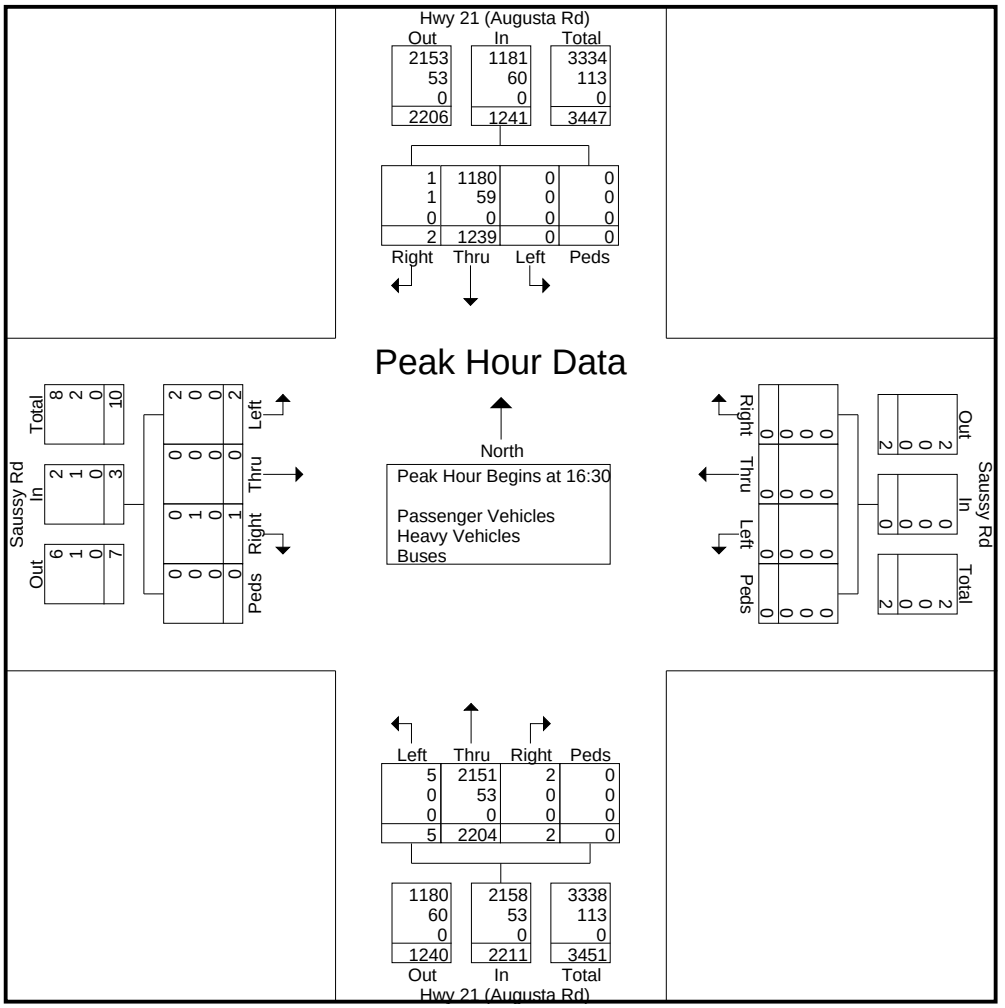
SHORT COUNTS, LLC

735 Maryland St
Columbia, SC 29201

We can't say we're the Best, but you Can!

File Name : Hwy 21 @ Saussy
Site Code :
Start Date : 06/09/2021
Page No : 4

	Hwy 21 (Augusta Rd) Southbound					Saussy Rd Westbound					Hwy 21 (Augusta Rd) Northbound					Saussy Rd Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. To
Peak Hour Analysis From 16:00 to 17:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:30																					
16:30	0	276	0	0	276	0	0	0	0	0	1	**588**	**1**	0	**590**	**1**	0	0	0	1	86
16:45	0	291	0	0	291	0	0	0	0	0	1	551	0	0	552	0	0	0	0	0	84
17:00	0	335	**1**	0	336	0	0	0	0	0	**3**	571	0	0	574	1	0	**1**	0	**2**	**91**
17:15	0	**337**	1	0	**338**	0	0	0	0	0	0	494	1	0	495	0	0	0	0	0	83
Total Volume	0	1239	2	0	1241	0	0	0	0	0	5	2204	2	0	2211	2	0	1	0	3	345
% App. Total	0	99.8	0.2	0		0	0	0	0		0.2	99.7	0.1	0		66.7	0	33.3	0		
PHF	.000	.919	.500	.000	.918	.000	.000	.000	.000	.000	.417	.937	.500	.000	.937	.500	.000	.250	.000	.375	.94
Passenger Vehicles	0	1180										2151									
% Passenger Vehicles	0	95.2	50.0	0	95.2	0	0	0	0	0	100	97.6	100	0	97.6	100	0	0	0	66.7	96
Heavy Vehicles	0	59	1	0	60	0	0	0	0	0	0	53	0	0	53	0	0	1	0	1	11
% Heavy Vehicles	0	4.8	50.0	0	4.8	0	0	0	0	0	0	2.4	0	0	2.4	0	0	100	0	33.3	3
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
% Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	



Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

CAPACITY ANALYSIS

- **2021 Existing**
- **2023 No-Build**
- **2023 Build**

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	0	1	0	0	0	2	883	0	1	1910	0
Future Vol, veh/h	0	0	1	0	0	0	2	883	0	1	1910	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	200	-	-	170	-	-
Veh in Median Storage, #	-	0	-	-	16979	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	97	97	97	97	97	97	97	97	97	97	97	97
Heavy Vehicles, %	2	2	2	2	2	2	2	4	2	2	5	2
Mvmt Flow	0	0	1	0	0	0	2	910	0	1	1969	0

Major/Minor	Minor2					Major1			Major2		
Conflicting Flow All	2430	2885	985			1969	0	-	910	0	0
Stage 1	1971	1971	-			-	-	-	-	-	-
Stage 2	459	914	-			-	-	-	-	-	-
Critical Hdwy	6.84	6.54	6.94			4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	5.84	5.54	-			-	-	-	-	-	-
Critical Hdwy Stg 2	5.84	5.54	-			-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32			2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	26	16	247			291	-	0	744	-	-
Stage 1	94	107	-			-	-	0	-	-	-
Stage 2	603	350	-			-	-	0	-	-	-
Platoon blocked, %							-			-	-
Mov Cap-1 Maneuver	26	0	247			291	-	-	744	-	-
Mov Cap-2 Maneuver	26	0	-			-	-	-	-	-	-
Stage 1	93	0	-			-	-	-	-	-	-
Stage 2	602	0	-			-	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	19.6	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBL	SBT	SBR
Capacity (veh/h)	291	-	247	744	-	-
HCM Lane V/C Ratio	0.007	-	0.004	0.001	-	-
HCM Control Delay (s)	17.5	-	19.6	9.8	-	-
HCM Lane LOS	C	-	C	A	-	-
HCM 95th %tile Q(veh)	0	-	0	0	-	-

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	0	1	0	0	0	2	883	0	1	1910	0
Future Vol, veh/h	0	0	1	0	0	0	2	883	0	1	1910	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	200	-	-	170	-	-
Veh in Median Storage, #	-	0	-	-	16979	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	97	97	97	97	97	97	97	97	97	97	97	97
Heavy Vehicles, %	2	2	2	2	2	2	2	4	2	2	5	2
Mvmt Flow	0	0	1	0	0	0	2	1038	0	1	2245	0

Major/Minor	Minor2			Major1			Major2		
Conflicting Flow All	2770	3289	1123	2245	0	-	1038	0	0
Stage 1	2247	2247	-	-	-	-	-	-	-
Stage 2	523	1042	-	-	-	-	-	-	-
Critical Hdwy	6.84	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	5.84	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	5.84	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	15	9	200	227	-	0	665	-	-
Stage 1	66	77	-	-	-	0	-	-	-
Stage 2	559	305	-	-	-	0	-	-	-
Platoon blocked, %					-			-	-
Mov Cap-1 Maneuver	15	0	200	227	-	-	665	-	-
Mov Cap-2 Maneuver	15	0	-	-	-	-	-	-	-
Stage 1	65	0	-	-	-	-	-	-	-
Stage 2	558	0	-	-	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	23.1	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBL	SBT	SBR
Capacity (veh/h)	227	-	200	665	-	-
HCM Lane V/C Ratio	0.01	-	0.006	0.002	-	-
HCM Control Delay (s)	21	-	23.1	10.4	-	-
HCM Lane LOS	C	-	C	B	-	-
HCM 95th %tile Q(veh)	0	-	0	0	-	-

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

Intersection	
Int Delay, s/veh	0.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	2	0	1	0	0	0	5	2204	0	2	1239	0
Future Vol, veh/h	2	0	1	0	0	0	5	2204	0	2	1239	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	200	-	-	170	-	-
Veh in Median Storage, #	-	0	-	-	16979	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2	2	3	2	2	5	2
Mvmt Flow	2	0	1	0	0	0	5	2320	0	2	1304	0

Major/Minor	Minor2				Major1			Major2		
Conflicting Flow All	2478	3638	652		1304	0	-	2320	0	0
Stage 1	1308	1308	-		-	-	-	-	-	-
Stage 2	1170	2330	-		-	-	-	-	-	-
Critical Hdwy	6.84	6.54	6.94		4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	5.84	5.54	-		-	-	-	-	-	-
Critical Hdwy Stg 2	5.84	5.54	-		-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32		2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	25	5	411		527	-	0	212	-	-
Stage 1	217	228	-		-	-	0	-	-	-
Stage 2	257	70	-		-	-	0	-	-	-
Platoon blocked, %						-			-	-
Mov Cap-1 Maneuver	25	0	411		527	-	-	212	-	-
Mov Cap-2 Maneuver	25	0	-		-	-	-	-	-	-
Stage 1	215	0	-		-	-	-	-	-	-
Stage 2	255	0	-		-	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	114.4	0	0
HCM LOS	F		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBL	SBT	SBR
Capacity (veh/h)	527	-	36	212	-	-
HCM Lane V/C Ratio	0.01	-	0.088	0.01	-	-
HCM Control Delay (s)	11.9	-	114.4	22.2	-	-
HCM Lane LOS	B	-	F	C	-	-
HCM 95th %tile Q(veh)	0	-	0.3	0	-	-

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

Intersection	
Int Delay, s/veh	0.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	2	0	1	0	0	0	5	2204	0	2	1239	0
Future Vol, veh/h	2	0	1	0	0	0	5	2204	0	2	1239	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	200	-	-	170	-	-
Veh in Median Storage, #	-	0	-	-	16979	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2	2	3	2	2	5	2
Mvmt Flow	2	0	1	0	0	0	6	2645	0	2	1487	0

Major/Minor	Minor2			Major1			Major2		
Conflicting Flow All	2826	4148	744	1487	0	-	2645	0	0
Stage 1	1491	1491	-	-	-	-	-	-	-
Stage 2	1335	2657	-	-	-	-	-	-	-
Critical Hdwy	6.84	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	5.84	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	5.84	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	14	2	357	448	-	0	157	-	-
Stage 1	173	185	-	-	-	0	-	-	-
Stage 2	210	47	-	-	-	0	-	-	-
Platoon blocked, %					-			-	-
Mov Cap-1 Maneuver	14	0	357	448	-	-	157	-	-
Mov Cap-2 Maneuver	14	0	-	-	-	-	-	-	-
Stage 1	171	0	-	-	-	-	-	-	-
Stage 2	207	0	-	-	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	209	0	0
HCM LOS	F		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBL	SBT	SBR
Capacity (veh/h)	448	-	21	157	-	-
HCM Lane V/C Ratio	0.013	-	0.171	0.015	-	-
HCM Control Delay (s)	13.1	-	209	28.3	-	-
HCM Lane LOS	B	-	F	D	-	-
HCM 95th %tile Q(veh)	0	-	0.5	0	-	-

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

Intersection	
Int Delay, s/veh	9.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	15	0	60	0	0	0	20	1007	0	1	2177	4
Future Vol, veh/h	15	0	60	0	0	0	20	1007	0	1	2177	4
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	200	-	-	170	-	-
Veh in Median Storage, #	-	0	-	-	16979	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	97	97	97	97	97	97	97	97	97	97	97	97
Heavy Vehicles, %	2	2	2	2	2	2	2	4	2	2	5	2
Mvmt Flow	15	0	62	0	0	0	21	1038	0	1	2244	4

Major/Minor	Minor2			Major1			Major2		
Conflicting Flow All	2809	3328	1124	2248	0	-	1038	0	0
Stage 1	2248	2248	-	-	-	-	-	-	-
Stage 2	561	1080	-	-	-	-	-	-	-
Critical Hdwy	6.84	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	5.84	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	5.84	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	~ 14	8	200	226	-	0	665	-	-
Stage 1	66	77	-	-	-	0	-	-	-
Stage 2	535	293	-	-	-	0	-	-	-
Platoon blocked, %					-			-	-
Mov Cap-1 Maneuver	~ 13	0	200	226	-	-	665	-	-
Mov Cap-2 Maneuver	~ 13	0	-	-	-	-	-	-	-
Stage 1	60	0	-	-	-	-	-	-	-
Stage 2	534	0	-	-	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	$ 425.3	0.4	0
HCM LOS	F		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBL	SBT	SBR
Capacity (veh/h)	226	-	52	665	-	-
HCM Lane V/C Ratio	0.091	-	1.487	0.002	-	-
HCM Control Delay (s)	22.5	-	$ 425.3	10.4	-	-
HCM Lane LOS	C	-	F	B	-	-
HCM 95th %tile Q(veh)	0.3	-	7.2	0	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

Intersection	
Int Delay, s/veh	5.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	11	0	35	0	0	0	65	2513	0	2	1412	15
Future Vol, veh/h	11	0	35	0	0	0	65	2513	0	2	1412	15
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	200	-	-	170	-	-
Veh in Median Storage, #	-	0	-	-	16979	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2	2	3	2	2	5	2
Mvmt Flow	12	0	37	0	0	0	68	2645	0	2	1486	16

Major/Minor	Minor2			Major1			Major2		
Conflicting Flow All	2957	4279	751	1502	0	-	2645	0	0
Stage 1	1498	1498	-	-	-	-	-	-	-
Stage 2	1459	2781	-	-	-	-	-	-	-
Critical Hdwy	6.84	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	5.84	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	5.84	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	~ 11	2	353	442	-	0	157	-	-
Stage 1	172	184	-	-	-	0	-	-	-
Stage 2	180	40	-	-	-	0	-	-	-
Platoon blocked, %					-			-	-
Mov Cap-1 Maneuver	~ 9	0	353	442	-	-	157	-	-
Mov Cap-2 Maneuver	~ 9	0	-	-	-	-	-	-	-
Stage 1	146	0	-	-	-	-	-	-	-
Stage 2	178	0	-	-	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s$	461.5	0.4	0
HCM LOS	F		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBL	SBT	SBR
Capacity (veh/h)	442	-	35	157	-	-
HCM Lane V/C Ratio	0.155	-	1.383	0.013	-	-
HCM Control Delay (s)	14.6	-	$ 461.5	28.2	-	-
HCM Lane LOS	B	-	F	D	-	-
HCM 95th %tile Q(veh)	0.5	-	5.2	0	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

Intersection	
Int Delay, s/veh	6.7

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	1	2	22	74	0
Future Vol, veh/h	0	1	2	22	74	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	1	2	24	80	0

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	26	0	-	0	15	14
Stage 1	-	-	-	-	14	-
Stage 2	-	-	-	-	1	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1588	-	-	-	1004	1066
Stage 1	-	-	-	-	1009	-
Stage 2	-	-	-	-	1022	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1588	-	-	-	1004	1066
Mov Cap-2 Maneuver	-	-	-	-	1004	-
Stage 1	-	-	-	-	1009	-
Stage 2	-	-	-	-	1022	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	8.9
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1588	-	-	-	1004
HCM Lane V/C Ratio	-	-	-	-	0.08
HCM Control Delay (s)	0	-	-	-	8.9
HCM Lane LOS	A	-	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	0.3

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

Intersection	
Int Delay, s/veh	3

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	3	6	74	43	0
Future Vol, veh/h	0	3	6	74	43	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	3	7	80	47	0

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	87	0	-	0	50	47
Stage 1	-	-	-	-	47	-
Stage 2	-	-	-	-	3	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1509	-	-	-	959	1022
Stage 1	-	-	-	-	975	-
Stage 2	-	-	-	-	1020	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1509	-	-	-	959	1022
Mov Cap-2 Maneuver	-	-	-	-	959	-
Stage 1	-	-	-	-	975	-
Stage 2	-	-	-	-	1020	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	8.9
HCM LOS			A

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1509	-	-	-	959
HCM Lane V/C Ratio	-	-	-	-	0.049
HCM Control Delay (s)	0	-	-	-	8.9
HCM Lane LOS	A	-	-	-	A
HCM 95th %tile Q(veh)	0	-	-	-	0.2

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

Queuing and Blocking Report
Baseline

06/15/2021

Intersection: 5: Augusta Rd & Saussy Rd

Movement	EB	NB
Directions Served	LTR	L
Maximum Queue (ft)	184	26
Average Queue (ft)	107	10
95th Queue (ft)	183	31
Link Distance (ft)	440	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		200
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 7: Augusta Rd & Saussy Rd

Movement	EB	NB	SB
Directions Served	LTR	L	L
Maximum Queue (ft)	250	52	22
Average Queue (ft)	166	35	4
95th Queue (ft)	273	51	19
Link Distance (ft)	411		
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		200	170
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 11: Saussy Rd & SIte Access

Movement	SB
Directions Served	LR
Maximum Queue (ft)	32
Average Queue (ft)	31
95th Queue (ft)	31
Link Distance (ft)	470
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

Queuing and Blocking Report
Baseline

06/15/2021

Intersection: 13: Saussy Rd & SIte Access

Movement	SB
Directions Served	LR
Maximum Queue (ft)	54
Average Queue (ft)	35
95th Queue (ft)	51
Link Distance (ft)	234
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Network Summary

Network wide Queuing Penalty: 0

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Traffic Impact & Access Study 6.2021 (2511 : Site Plan Review

WHITAKER
LAB & ENGINEERING

2500 Tremont Road • Savannah, Georgia 31405
912.234.0696 • www.whitakerlab.net

December 4, 2020

LMS Real Estate Investment Management, LLC
1744 Oxnoor Road
Homewood, AL 35209

Attention: Ms. Sarah Miller
(205) 933-1227 X230
smiller@lms-realestate.com

Referencing: Report of Preliminary Geotechnical Evaluation Services (Revision #1)
Community Housing Development
Highway 21 and Jeffers Road
Port Wentworth, Georgia
Whitaker Report No.: 12-02-20-5-R1

Dear Ms. Miller:

As requested, Whitaker Laboratory, Inc. has conducted a preliminary geotechnical investigation at the above referenced site. Authorization to perform this investigation was provided by your acceptance of our proposal dated November 3, 2020. Our findings and preliminary recommendations for design and construction are attached and it is important that you read the report in its entirety.

It is a pleasure to serve you and we look forward to further opportunities to assist you on this and other projects.

Respectfully submitted,
WHITAKER LABORATORY, INC.

GEORGIA REGISTERED No. 31031 PROFESSIONAL ENGINEER 12/4/2020 JASON H. FOLLO

Jason H. Follo, P.E.
GA Registered Engineer
#31031

Blake L. Jones, P.E.
GA Registered Engineer
#44657

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

TABLE OF CONTENTS

I. INTRODUCTION

II. AREA AND SITE GEOLOGY

III. TEST BORINGS AND SUBSURFACE CONDITIONS

IV. GROUND WATER TABLE

V. SEISMIC SITE CLASSIFICATION AND RECOMMENDED DESIGN COEFFICIENTS

VI. EARTHWORK AND FOUNDATION DESIGN CONSIDERATIONS

VII. SITE WORK RECOMMENDATIONS

VIII. PAVEMENT DESIGN CONSIDERATIONS

IX. QUALITY CONTROL AND TESTING

X. QUALIFICATIONS OF REPORT

APPENDICES

APPENDIX I SITE & BORING LOCATION PLANS

APPENDIX II BORING RECORDS

APPENDIX III SEISMIC SPECTRAL PARAMETERS

APPENDIX IV IMPORTANT GENERAL NOTES

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

REPORT OF PRELIMINARY GEOTECHNICAL INVESTIGATION (REVISION #1)
Community Housing Development
Highway 21 at Jeffers Road, Port Wentworth, Georgia

INTRODUCTION

At any time, we will be glad to discuss the contents of this report. This includes insuring that you fully consider potential problems for design and construction procedures in respect to interpretations of the data.

WHITAKER LABORATORY, INC. has completed this preliminary field investigation of the surface and subsurface conditions at this site. The conditions found, and how those conditions could affect the design and construction of foundations for the structures planned, form the basis for this report. Regardless of the thoroughness of any geotechnical investigation, there are limitations, and deviations from the conditions found in this investigation could be subsequently disclosed. **Please note that seven deep soundings, two deep borings, and ten shallow hand augers with DCP testing and seasonal high groundwater (SHGW) determinations were performed on this site and were scattered throughout accessible areas (areas that were accessible with rubber tire drilling equipment). Prior to site work and/or construction additional borings shall be performed in the areas that were not accessible with our rubber tire mounted drilling equipment for the recommendation in this report to remain valid.**

We understand that development of this site will include a residential housing development and associated pavement. Soundings and/or borings were performed within the planned constriction areas that were accessible to our rubber tire mounted drilling equipment. **We were informed that this development will include single story patio home type building structures. With this type of construction, we will assume structural foundation loads will not exceed 20 kips for columns and/or 1.5 kips per linear foot for walls/strip loads. We will further assume that site grades will not require raising more than 4 feet above existing ground surface elevations to achieve finished grade elevations for the ground surface and/or slabs-on-grade.** If our understanding of the project, site grading requirements and/or foundation loading assumptions are not correct, we should be contacted immediately, provided the correct information and allowed an opportunity to change and/or modify the recommendations contained within this report if deemed necessary.

This preliminary geotechnical investigation included the advancement of 7 cone penetration test soundings, 2 standard penetration test borings, 10 hand auger borings incorporating dynamic cone penetrometer testing with SHGW determination, and a visual reconnaissance.

AREA & SITE GEOLOGY

The project site is located in Port Wentworth, GA. This overall project area lies near the eastern edge of the South Atlantic Coastal Plain. In South Carolina and Georgia, this broad, gently sloping region extends southeastward from the Fall Line (Chesterfield - Columbia - Augusta - Macon - Columbus) to the Atlantic Ocean. The soils encountered are sedimentary in origin, and consist of layered marine deposits of sands, silts, and clays. These deposits have since been subjected to successive erosion and re-deposition, by fluctuations of sea levels, storm tides, and winds.

Many of the surface sands are the result of depositional forces along ancient beaches, which formed during the changing shoreline and river conditions. Intermittent deposits of shells occur within the strata at irregular intervals. The surface soils in a majority of this Coastal Plain area were deposited during the Pleistocene Era, however surface soils near the coast are likely of the Holocene Era. The surface soils in the eastern portion of the Coastal Plain are underlain by Miocene era deposits of the Hawthorn formation, consisting of consolidated sandy clays, clays, and silts. Beneath these Miocene deposits are found the porous limerocks known as the Floridan Aquifer. The Floridan Aquifer is one of the major productive aquifers for the region.

TEST BORINGS AND SUBSURFACE CONDITIONS

The field exploration to determine the characteristics of the subsurface materials included a reconnaissance of the project site, the drilling of soil test borings, the advancement of an electronic cone penetrometer and the advancement of dynamic cone penetration test auger borings.

Standard penetration test borings were performed using rotary head drilling equipment and advancing hollow stem augers. Sampling and Standard Penetration Testing, (SPT), was performed in accordance with ASTM D-1586. SPT samples were taken at 2.5-foot intervals of depth for the first 10 feet, and at 5.0-foot intervals thereafter. Standard Penetration Testing is done with a 140-pound hammer falling 30 inches and a 2-inch diameter sampling spoon.

Dynamic Cone Penetration testing (DCP) is done within hand augered holes. The DCP test is performed at regular intervals below the ground surface. DCP testing is performed with a hand held 15-pound hammer. The hammer falls 20-inches every blow. The hammer is attached to steel rods containing a conical driving tip that is 1.5-inches in diameter (ASTM STP-339).

The electric cone penetrometer is utilized to perform Cone Penetration Testing (CPT). An electric cone attached to the end of a series of rods is pushed into the ground at a constant rate and nearly continuous measurements are made of the resistance to penetration on the cone. Load cells (bonded strain gauges) build inside the electronic cone record end bearing, qc, and friction sleeve stress, fs as the cone is being pushed into the ground.

Results of Cone Penetration Testing (CPT), Standard Penetration Testing (SPT N values) and/or DCP testing provide an indication of the relative consistency, density and in-situ strengths of the tested soils.

Soil samples from SPT testing and from the auger cuttings have been used for identification and visual classification. The subsurface stratification and the profile as presented in the boring logs, represent approximate boundary lines between the strata and materials encountered. These boundary lines are usually gradual and not clearly defined, and it is sometimes difficult to record changes in stratification precisely. It should be noted that underlying soil conditions can, and do, vary considerably within short lateral distances. It is possible that conditions may be revealed between boring locations that are different from those found by our borings and used for our analysis.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

Soil behavior types identified within CPT logs are generated from the data collected during the CPT test and are based upon the soil classification chart for standard electronic friction cone (adopted from Robertson and Campanella UBC - 1983). The chart can be viewed within Appendix IV of this report.

The approximate locations of SPT borings, DCP auger borings and CPT tests are shown on the attached BORING LOCATION PLAN. Our field crews based on landmarks and features available at the time of work have estimated the test locations in the field. If the precise test locations are critical, this can be determined by employing a land-surveying firm to plot the true locations. Such survey should be completed promptly and before any disturbance to the area has occurred. If desired, WHITAKER LABORATORY, INC. will be glad to coordinate surveying arrangements for an additional fee.

Below approximately 6 to 12 inches of organic topsoil, the near surface soils on this site predominately consist of soft to stiff clays and sand clays (CH, CL and SP-SM) extending to the termination depth of the deepest sounding at 35 feet below existing ground surface elevation. Pockets of firm to very firm sands and silty sands were encountered sporadically throughout the soundings and/or borings bracketing elevation 8 to 22 feet below the existing ground surface elevation.

The above description of the subsurface profile should be considered a general description intended to highlight the major strata encountered. More detailed profiles can be observed within the attached boring logs. Please note that boring logs are only representative of their location. Stratification transitions should be expected to occur outside and between boring locations. Taking into account that sampling was not performed on a continuous basis in the SPT borings, lines drawn representing elevations of stratification changes shown on the SPT boring logs were estimated.

GROUNDWATER TABLE

The apparent groundwater table was measured for each boring location at the time of boring. Groundwater levels were measured to range from 0 to 2 feet below the ground surface at the time of boring. The groundwater elevation can be expected to fluctuate with the season of the year, surrounding ground surface conditions, and with recent rainfall amounts. Thus, groundwater elevations shown on the boring logs should be considered valid only for the date of observation.

The groundwater elevation can be expected to fluctuate with the season of the year, surrounding ground surface conditions, and with recent rainfall amounts.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

Please note that this site is prone to perched ground water conditions during and/or after periods of rainfall due to the thin sandy surface stratum residing directly below the topsoil and on top of the clay layer. Perched ground water conditions can be expected on this site during and/or after periods of rainfall due to the stiff clays and sand clays encountered directly below the topsoil and/or thin sandy surface stratum. Perched groundwater can not only make grading operations difficult, but can also degrade the loose sandy surface soils residing above the clays and cause the underlying clay soils to degrade putting pavement sections and/or foundation elements at risk of experiencing unanticipated distress.

Whitaker Laboratory recommends making provisions in the site design to permanently drain the near surface sandy backfill/fill stratum through the installation of permanent under drains residing below pavements and around the perimeter of the structures. Invert elevations for under drains should reside a minimum of 1 foot below the clay to sand backfill/fill interface. Under drains should be designed to promote continuous positive drainage away from the structural areas and day-lighted to a drainage feature that will not restrict or back up the flow of water.

Site drainage should be established at the onset of earthwork activity, which includes the installation of temporary and/or permanent drainage features (including underdrains). Temporary drainage ditches determined necessary during construction should be converted to permanent under drains.

Seasonal High Groundwater Determinations:

DCP auger borings incorporated SHGW determinations. Soil samples for DCP auger boring were collected for the performance of soil mottling services in an effort to determine the seasonal high groundwater (SHGW) table. The below chart provides a general overview of our findings:

Boring Location	Depth to Groundwater (Feet) BGS*	SHGW** (Feet) BGS*
SHGW-1	1	At Surface
SHGW-2	1	0.5
SHGW-3	1	0.5
SHGW-4	1	0.5
SHGW-5	1.5	1
SHGW-6	1.5	1
SHGW-7	1.5	0.5
SHGW-8	1.5	0.5
SHGW-9	1	At Surface
SHGW-10	1	At Surface

*BGS = Below Ground Surface
** SHGW = Seasonal High Groundwater

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

SEISMIC SITE CLASSIFICATION AND RECOMMENDED DESIGN COEFFICIENTS

Liquefaction Potential:

Whitaker Laboratory, Inc. performed a liquefaction analysis on the soils encountered within CPT-6. Liquefaction typically occurs when very loose to loose non-cohesive soils encountered below the groundwater table experience a significant loss of shear strength due to the increase in porewater pressure resulting from seismic vibrations.

The design earthquake utilized in our analysis (Charleston, SC earthquake with magnitude 7.3 and a 2% probability of exceedance in 50 years) yielded peak horizontal ground surface accelerations of 0.25g on this site. Based upon the design earthquake and characteristics of subsurface soils, the liquefaction analysis indicated that the encountered sand stratifications present below the groundwater table have potential to liquefy during the design seismic event. The amount of settlement estimated during and shortly after a seismic event of this magnitude approximated 1 ¼ inches.

Settlements of this magnitude could cause damage to structures. If the risk of anticipated settlements due to liquefaction are unacceptable to the owner, extensive ground modification would need to be performed on the liquefiable soil stratums or supporting the structures on pile foundation systems bearing below the potentially liquefiable soil zones would be required. Whitaker Laboratory should be contacted if this risk is unacceptable. Additional exploration and evaluation may be required to provide foundation recommendations capable of guarding structures against liquefaction induced settlements on this site.

Seismic Parameters:

International Residential Code:
(Applies only to single and two family residences)

Based upon the location of this site, this site would be defined as a seismic design category B in accordance with figure R301.2(2) from the IRC 2012. We have attached Figure R301.2(2) in Appendix III of this report for your reference.

International Building Code:
(Commercial Structures)

This site would be defined as a Site Class "D". The classification is determined by average soil properties in the top 100 feet of the soil profile, including standard penetration test N values, shear wave velocities, in-situ shear strengths and moisture contents, as specified by IBC 2018 & ASCE 7-16.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

$S_s = 0.315$
$S_1 = 0.115$
$S_{MS} = 0.488$
$S_{M1} = 0.272$
$S_{DS} = 0.325$
$S_{D1} = 0.181$

A summary report is attached in Appendix III of this report. If size and design of this structure justifies additional investigation, a Site-Specific Geotechnical Investigation and dynamic site response analysis shall be performed. Our firm has the ability to provide our clients such testing and evaluation, and we will be available to discuss the cost, and potential benefit, if any, of such if you desire.

EARTHWORK AND FOUNDATION DESIGN CONSIDERATIONS

Based upon the limited subsurface information collected for this preliminary geotechnical evaluation, if our assumed structural foundation loads do not exceed 20 kips for columns and/or 1.5 kips per linear foot for walls and site grades are raised a maximum of 4 feet above existing grades to achieve finished grade elevations for floor slabs, it appears that planned structures on this site can be supported utilizing conventional shallow spread footing foundation systems.

Concerns:

- The plastic clays found at and just below the ground surface on this site are of major concern. These clays are extremely moisture sensitive and have caused serious foundation and pavement problems in nearby developments. These clays have a potential for significant change in volume and shear strength with fluctuations in soil moisture content. It is important that foundation elements and pavement sections be separated by a 24-inch drained, compacted and approved coarse-grained sand layer from the clay strata in an effort to reduce negative effects of shrink/swell potential of plastic clays on foundation elements and pavement sections.

- On this site, we recommend achieving this 24-inch separation by raising site grades. **Site grading requirements should be determined by setting bottom of pavement sections and bottom of footing elevations at least 1 ½ feet above existing grades. Raising site grades in this manor will reduce and/or eliminate undercutting of CH soils from below stripping depths within the pavement sections.**

- Perched groundwater potential is also a major concern on this site and shall be addressed for the long-term performance of foundation elements and pavement sections. **Permanent under drains shall be incorporated into the site design around the perimeter of the structure and below and/or adjacent to pavement sections to effectively drain the near surface sandy backfill/fill soils. Invert elevations for underdrains shall reside at least 1 foot into the clay layer residing below the surface sandy backfill/fill.**

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

- In addition, weak/soft clay soils were intermittently encountered at the near ground surface and extending to depths reaching 2 to 5 feet below the ground surface. These weak/soft soils will require being stabilized and/or undercut and replaced with approved, compacted sandy backfill soil after stripping of topsoil and prior to backfill placement to achieve finished subgrade elevations for building pads and/or bottom of pavement section elevations.

- Thorough inspections (including proofrolling and advancement of DCP hand auger borings) shall be performed after site stripping and prior to backfill / fill placement in an effort to determine those areas that will require subgrade stabilization prior to backfill and/or fill placement. It should be expected that stabilization will be required in the majority of areas prior to backfill/fill placement. Stabilization will likely include placement of geotextile fabric or geo grid in the majority of building pad and pavement areas. In very weak/sensitive areas, stabilization may require undercutting and replacement extending to depths reaching 3+ feet below existing grades.

Earthwork Recommendations:

Based upon the above concerns combined with the site grading recommendations, the following shall be performed to establish finished subgrade elevations for building pads and pavement areas on this site:

- Site drainage shall be established at the onset of earthwork activity, which includes grading the ground surface to promote positive surface drainage extending away from structural areas at all times. Site drainage also includes the installation of temporary and/or permanent drainage features deemed necessary (including under drains). Temporary drainage ditches determined necessary during construction should be converted to permanent under drains.

- After site drainage is established, the site shall be initially stripped of unsuitable surface organic soils/materials. Site stripping shall include the removal of surface vegetation, organic matter, debris, and organic soils. **Stripping depths should be anticipated to extend 6 to 12 inches or more below existing grades to effectively remove all unsuitable near surface organic soils/materials.**

After established site drainage and stripping of surface organics and prior to backfill/fill placement, the following shall be performed:

- Structural areas shall be further stripped/undercut to remove any CH soils that reside within 24-inches of bottom of pavement and/or bottom of footing elevations. An auger boring evaluation shall be made at this point in time to determine if further excavation will be required below stripping depths due to the presence of CH soils residing within 24 inches of bottom of pavement section elevations or bottom of footing elevations.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

- In addition, thorough site inspections should be performed at this time in an effort to determine those areas that will require subgrade stabilization prior to placement of backfill/fill to achieve finished subgrade elevations. Site inspections performed at bottom of stripping depths shall include the following:

    - Proffroll exposed subgrade with a loaded tri-axel dump truck.
    - Areas failing a proofroll shall be investigated through the performance of DCP hand auger borings.
    - Results of DCP hand auger borings will ultimately determine the strategy for subgrade stabilization.
    - Subgrade stabilization will likely include placement of geotextile stabilization fabric (Mirafi RS580i or Terratex HPG-HM 58) throughout the majority of areas requiring subgrade stabilization. Subgrade stabilization may also include undercutting and replacement in very weak/sensitive areas.
    - Due to soft and marginally firm clayey type soils present at the near ground surface on this site, provisions should be made for placement of stabilization fabric below the majority of building pad and pavement areas on this site. Provisions should be made for isolated areas to require undercutting and replacement extending to depths reaching 3+ feet below existing grades.

- **Exposed clay subgrade soils residing at the bottom of stripping/undercut excavations shall be graded to promote positive surface drainage toward under drain systems (under drains to reside around the perimeter of the building and adjacent to and/or below pavements) which will not backup or restrict the flow of water away from the building pad area and pavement areas. The under drain system is intended to permanently drain the sandy in-situ, backfill and fill material to be placed below the building pad and pavement areas. Invert elevations for the under drain systems will require being set at least 12 inches below the surface of the clay layer.**

- Backfill and fill material should consist of coarse-grained soil classified as SW, SP, or SM-SP with a maximum of 15% passing a #200 sieve. All fill and backfill should be placed and compacted in strict accordance with the requirements of the SITE WORK section that follows.

On-site Soils for use as Structural Fill:

On-site soils encountered below the topsoil and extending to depths reaching 8 ½ to 12 feet below existing grades on this site predominately consist of clay soils. These clayey type soils, once disturbed/excavated, will not be suitable for re-use as backfill or fill soil within structural areas (including utility lines).

Provisions should be made for obtaining an off-site borrow source (select sandy soil containing less than 15% passing the #200 sieve) for all backfill and fill soil to be placed on this site (including utility line backfill).

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

Foundations:

Once all backfill and fill has been placed on the site (in accordance with above Earthwork Recommendations) and footings are excavated, bottom of footing excavations should be thoroughly compacted to meet or exceed 95% of the soils modified proctor maximum dry density in accordance with ASTM-D-1557.

Verification footing inspections shall be conducted by performing dynamic cone penetrometer testing within bottom of footing excavations to verify adequate bearing material is present immediately below bottom of footing elevations. Bearing subgrade soils deemed unsuitable based upon dynamic cone penetrometer testing should be undercut to a competent material and backfilled with an approved material.

If earthwork is performed in accordance with the above recommendations, two feet of drained, compacted sandy soil should be present below bottom of footing elevations and all very weak/sensitive soils would have already been undercut and replaced.

If the above recommendations are performed and verified by Whitaker Laboratory personnel, individual spread footings, strip footings, or bearing edges of slabs-on-grade could be designed to bear in approved, drained, compacted, backfill or fill as outlined above. **Soil bearing pressures of 1500 psf may be used in the footing design (contingent upon earthwork being performed and verified during construction as recommended above).** Any individual or strip footing should have a minimum plan dimension of 24 inches. Bearing elevations of foundations should reside at least 12 inches below finished grade, 24 inches above CH soils and 24 inches above the seasonal high ground water table and/or potential perched groundwater level.

Overall settlements on the order of 1 inch and differential settlements on the order of ½ inch or less are anticipated **(contingent upon foundation loading and site grading assumptions not being exceeded and earthwork being performed and verified during construction as recommended above)**. Slabs-on-grade can be designed utilizing a modulus of subgrade reaction "k" value of 150 pci.

Lateral loads can be resisted by passive earth pressure due to compacted structural fill placed against the sides of the footings. The upper 1-foot of resistance should be neglected unless the fill is confined by a pavement or floor slab. A soil unit weight of 110 pcf and passive earth pressure coefficient of 3.0 can be utilized in the analysis. Additionally, a friction coefficient of 0.35 between the concrete footings and underlying soil can be used in combination with passive earth pressures to resist lateral loads. The coefficient of friction should be applied to dead normal loads only.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

SITE WORK RECOMMENDATIONS

We will be pleased to discuss these recommendations with the owner and the site work contractor selected to do the work. We believe it will be beneficial to the project, for the owner and the contractor to have a clear understanding of our recommendations.

1. Prior to construction, all building areas, plus at least 10 feet on each side and all areas to be paved, should be stripped of all vegetation, topsoil and root systems. Site drainage during construction should be considered prior to this clearing and stripping. Preventing the ponding of storm water is of particular importance.

2. Topsoil, organics, root-mat and other surface materials will likely vary across the site. Individual test borings may not accurately reflect the presence of, or the thickness of such materials due to site variability and/or surfacing clearing to facilitate access for drilling equipment. Site clearing and grubbing, when unsupervised, and particularly in areas of wet soils and times of wet weather, may push organic debris into otherwise stable soils. Undercutting and clearing with a track hoe in lieu of bulldozers can minimize this.

    a. Developers, designers and contractors must be aware that the clay strata found at and just below the ground surface, will loose strength and degrade rapidly under construction traffic and repetitive construction operations **when worked during wet periods. It is imperative that a positive site drainage plan be conceived and implemented prior to site clearing, utility construction, and earthwork operations beginning.** This near surface sand clay strata has a strong affinity for free water, and when disturbed under wet conditions are difficult, if not impossible, to adequately dry-out for reuse in construction and/or stabilize to start placing fill. We recommend grading all subgrades to promote positive drainage away from structural areas at all times (during construction and for the lifetime of project).

3. Any stump holes or other depressions should be cleared of loose material and debris, and should then be back-filled with approved fill. The backfill should be placed in 6-inch thick lifts and compacted to 95% density in accordance with ASTM D-1557.

4. Any existing utilities that underlie the site should be relocated and their trenches back-filled with approved soil. The backfill should be placed in 6-inch lifts and compacted to 95% density according to ASTM D-1557.

5. Prior to fill placement, the subgrade should be proof rolled with a loaded dump truck to locate unstable or soft areas. Any unstable areas should then be investigated to determine the cause of the instability. If due to unsuitable soils, such as highly organic soils or soft clays, the areas should be undercut to firm soil and replaced with approved fill compacted in 6-inch lifts to minimum density of 95% in accordance with ASTM D-1557. If the instability is due to excess moisture in otherwise stable soil, the area should be drained and compacted to 95% density.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

6. Any fill or backfill required to level or raise the site should be placed in 8 to 10 inch thick, loose lifts and compacted by appropriate compaction equipment to 95% density in accordance with ASTM D-1557.

7. All of the fill and backfill (including utility line backfill) for this project should consist of clean, free draining granular soils. The fill should be free of objectionable roots, clay lumps, organics and other debris. The fill should be readily compactable during placement. Soils classified as SW, SP, SP-SM or SM with a maximum of 15% passing a #200 sieve may be acceptable. Soils with the minus #200 fraction classified as MH, CH, OH, ML, CL or SC may be rejected. Soils with a maximum plasticity index of 25 and a maximum liquid limit 40 may be acceptable for use only beneath building pads which are situated well above the groundwater table with approval from the geotechnical engineer. Soils classified as SC or CL, exhibiting moisture sensitivity, soils with excessive clay content, or excessive moisture should not be used without approval from the geotechnical engineer. Approved sands will also need to be moisture conditioned as necessary to facilitate proper compaction throughout its entire depth. If utility trenches cannot be sufficiently dewatered to readily allow compaction of the specified pipe bedding material, then a class I (ASTM-D-2321) gravel or gravel mixture will be required.

8. To assist in reducing moisture beneath the structure, and to reduce the potential for mold growth, the site shall be graded and filled as necessary to direct drainage away from the structure. If sub drains are installed, these alone may not prevent moisture vapor beneath the structure that can cause mold growth. (Also refer to paragraph 10 below). Care must be taken to not place concrete on top of wet soils. For example, if fill or natural soils experience heavy rain, the soils should be properly drained and dried, prior to placement of concrete. Otherwise moisture migration through the slab will occur.

9. Compact all footing excavations and slab subgrades to a minimum density of 95% in accordance with ASTM-D-1557, prior to placement on concrete. The footing excavations, and all prepared slab subgrade, should be maintained in a dry and compacted condition until the concrete is placed. Areas that are softened by water or that are disturbed by construction activity should be re-worked, re-compacted, or appropriately repaired to the required bearing and density. If necessary, stone backfill or other corrective measures may be implemented to stabilize footings.

10. All slabs-on-grade should be supported on a minimum of 4-inches of granular, free-draining gravel or coarse sand to reduce moisture migration by capillarity. A vapor retarding membrane, overlying this granular base, is recommended to further reduce moisture migration into finished areas of the structure. Note that the use of these measures will not totally prevent moisture under or on top of slabs or beneath structures. (Also refer to paragraph 8 above).

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

11. Any footing excavations that are directly adjacent to the existing foundations should be done in small increments to avoid undermining them and causing a loss of support to the existing structure. If necessary, the excavations should be sheeted and braced or grouting should stabilize the soil in the immediate area.

PAVEMENT DESIGN RECOMMENDATIONS

Subgrade for driveways and parking areas should consist of a minimum of 24-inches of clean sand subgrade compacted to a density of 95% of its maximum dry density as determined by ASTM-D-1557. Pavement designs should also provide a minimum of 24-inches separation between the bottom of the base course material and the seasonal high ground water table. Undercutting, re-compacting, and/or replacing of existing surface soils will be required unless subgrade consists of organic free, virgin sandy soils that are proven to be a minimum of 24-inches thick, 24-inches above the seasonal high ground water table, compacted to 95% of ASTM D-1557 and passes a proof-roll. Final grades and elevations will determine the extent of any filling, undercutting and backfilling that may be required.

Due to near surface soils on this site consisting of plastic clays, Whitaker recommends elevating site grades a minimum of 1 ½ feet above existing grades to achieve this 24-inch layer of sand between top of CH soils and bottom of pavement section. Raising site grades in this manor will reduce and/or eliminate undercutting of CH soils from below stripping depths within the pavement sections.

Please note that exposed subgrade soils that are not stable enough to support compaction efforts of the first 12-inch loose lift of sandy backfill soil should be stabilized prior to backfill placement. Stabilization recommendations may consist of further undercutting to a competent material and/or placement of stabilization fabric (Mirafi RS580i or Terratex HPG-HM 58).

Due to soft and marginally firm clayey type soils present at the near ground surface on this site, provisions should be made for placement of stabilization fabric below the majority of pavement areas on this site.

The pavement design must provide for the pavement subgrade soils to drain and not ever become saturated by surface water, perched groundwater or groundwater table. Due to near surface soil conditions on this site (perched groundwater concerns within sand backfill/fill), the design shall require the installation of subgrade drains, permanent under drains or sub-drains. These systems should be provided for the full length of the pavement section. **The exposed clays at bottom of stripping depths or undercut excavations shall be graded to promote positive surface drainage toward the under-drain system.**

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

Depending on the pavement section (crown, inverted crown, curb & gutter) and adjacent landscaping, islands, medians, or irrigation sprinkler plans, under drains may need to be provided along the centerline, at the low point, on both sides of the pavement, adjacent to all curb, adjacent to all irrigated areas and/or along the entire perimeter of all parking areas.

Under drains should be designed to promote continuous positive drainage away from the pavement area and day-lighted to a drainage feature that will not restrict or back up the flow of water. The site design will require setting pavement grades, pond elevations and/or drainage features to accommodate gravity flow under drains with invert elevations residing a minimum of 3 feet below bottom of pavement section elevations (1 foot below clay to sand backfill/fill interface).

All proof rolling, construction observations, compaction testing of paved areas must be in accordance with the SITE WORK section above.

If a rain event of 0.5 inches or more, occurs after initial proof rolling and prior to subsequent placement of base or surface wearing course, the proof roll testing must be repeated just prior to additional work.

The below recommended pavement sections should be considered standard and typical for the area. We have not been provided traffic data and/or been instructed to perform CBR testing on subgrade soils, therefore these pavement sections should not be considered a pavement design. The below recommended pavement sections are based upon the assumption that the sandy subgrade soils will yield a minimum CBR value of 8 if compacted to 95% ASTM D-1557 for a full 24-inch depth. In addition, the below recommended light duty pavement sections should be considered for car traffic areas only. Below recommended heavy duty sections should be utilized for all areas receiving truck traffic (delivery trucks and garbage trucks with 18-kip axle loads). In addition, the heavy-duty sections recommended below are for low volume truck traffic (15 to 20 trucks per day).

LIGHT DUTY PAVEMENT (CARS & LIGHT TRUCKS)

SUBGRADE:	Minimum – 24-inches of drained, compacted, coarse grained soil
BASE COURSE:	Minimum - 6-inches of Graded Aggregate Construction
SURFACE COURSE:	Minimum - 2-inches of 12.5 mm Superpave

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

HEAVY DUTY PAVEMENT (LOADED TRUCKS WITH 18+ kip AXLE LOADS)

SUBGRADE:	Minimum – 24 inches of drained, compacted, coarse grained soil
BASE COURSE:	Minimum - 8-inches of Graded Aggregate Construction
BINDER COURSE:	Minimum - 2-inches of 19 mm Superpave
SURFACE COURSE:	Minimum - 2.0-inches of 9.5 mm Type II Superpave, or Minimum - 2.0-inches of 12.5 mm Superpave

In all projects, a minimum mat temperature of 185° F must be maintained through final roller pass.

Please note that specifications for the above mentioned base course and surface course can be found under Sections 310, 400, 815 and 828 of the Georgia Department of Transportation State of Georgia Standard Specifications Construction of Transportation Systems, 2001 Edition. The mix design must include "lime".

PORTLAND CEMENT CONCRETE PAVEMENT

HEAVY DUTY:	8-inches of Portland cement concrete with minimum compressive strength of 4000 PSI.
LIGHT DUTY:	5-inches of Portland cement concrete with minimum compressive strength of 4000 PSI.

Whitaker Laboratory recommends incorporating a minimum of 4-inches of graded aggregate base course below the above concrete pavement sections for maintaining a smooth and level surface during placement of the pavement section.

Joints must be placed a MAXIMUM spacing in FEET of 2.5 times the pavement thickness in inches, and in no case more distant apart than 15 feet.

Pavement Design should include:

- Requirements to seal all pavement joints to prevent surface water entry into base / subgrade. Such provision should minimize pumping failures at joints.
- Requirements that pavement sections and panels subject to repetitive braking and/or acceleration should be designed with lug anchors or tie-bars to minimize separation or misalignment at the joints.
- Provisions for load transfer across construction joints by dowels or other acceptable means.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

- In general, the design should follow the recommendations and practices for all components as described in ACI 330.1 and/or ACI 330R as applicable.

QUALITY CONTROL AND TESTING

Documented inspections and/or testing performed by Whitaker Laboratory personnel, at the following critical milestones during construction, will be required for the recommendations contained within this report to be validated:

Prior to final design and/or construction:

- **Additional borings shall be performed in the areas that were not accessible with our rubber tire mounted drilling equipment for the recommendation in this report to remain valid.**

After site stripping and/or undercutting:

- Verify site drainage is established prior to the onset of earthwork activity.
- Document and verify stripping depths are adequate (all organics removed) and further undercut is performed (if necessary) to achieve 24 inches of sandy backfill/fill residing between top of clay soil and bottom of footings & bottom of pavement section elevations.
- Verify exposed subgrade soils are stable/suitable to begin receiving backfill/fill (perform proofrolling inspection and DCP hand auger borings within failed areas).
- Based upon results of DCP hand auger borings, provide recommendation for further undercutting and replacement or placement of stabilization fabric in those failed areas.
- Document and verify exposed subgrade soil after stripping is graded to promote positive surface drainage toward permanent under drains to prevent perched groundwater conditions.

During backfill or fill placement:

- Sample proposed backfill and/or fill soil, perform laboratory testing and approve and/or disapprove of use.
- Perform density testing during backfill and/or fill placement on each lift of soil.

During excavation of footings:

- Perform verification footing inspections within bottom of footing excavations.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

At the appropriate time, please contact Whitaker Laboratory, Inc. for budgetary and scheduling purposes for the performance of the above required inspection and testing services.

We further offer concrete, asphalt, masonry, and structural steel inspections and testing. Whitaker Laboratory, Inc. also performs observational services for mold mitigation, including observation of installation of vapor retarding membranes, subdrains, overall site drainage, and regularly scheduled observations after construction of site and landscape drainage, and monitoring of humidity and moisture in slabs and basement walls.

QUALIFICATIONS OF REPORT

Any recommendations or opinions offered in this report are based on our interpretation of the data obtained from this investigation. It should be noted that underlying subsurface and soil conditions can, and do, vary considerably within short lateral distances. Regardless of the thoroughness of any subsurface investigation, it is possible that conditions may be revealed between boring locations that are different from those found by our borings and used for our analysis. For this reason, we recommend that the site preparation and foundation construction for this project be monitored closely. If deviations of the soil conditions from those presented in this report appear, we will be glad to furnish any additional analyses and recommendations that may be required.

This report was made to investigate subsurface properties of the site and is not intended to serve as a wetlands survey, toxic mold assessment, or environmental site assessment. No effort has been made to define, delineate, or designate any area as wetlands or an area of environmental concern or contamination. Any references to low areas, poorly drained areas, etc. are related to geotechnical applications. Any recommendations regarding drainage and earthwork are made on the basis that such work can be permitted and performed in accordance with the current laws pertaining to wetlands, storm water runoff, and environmental contamination.

This report does not attempt to define or represent any FEMA, or otherwise designated, flood, erosion, scour, or other hazardous zones; nor does it presume to reflect that governmental or other authorities will grant approval of the project and issue appropriate permits.

WARRANT: WHITAKER LABORATORY, INC. and its professional engineers strive to perform all services in a manner consistent with that level of care and skill ordinarily exercised by members of the engineering profession practicing in the same locality and under similar conditions. No other warranty or representation, expressed or implied, is included or intended in this agreement, in any report, opinion, document, or otherwise. We carry commercial general liability insurance, including completed operations, and professional liability insurance in aggregate amounts deemed adequate, and we comply with the statutory requirements for workmen's compensation insurance. Accordingly, the liability of WHITAKER LABORATORY, INC. and its professional engineers, to the client, owner, or any other party, for any loss or damage, resulting from any cause, including professional acts, errors, omissions, negligence, toxic mold and other environmental claims, breach of warranty or breach of contract, shall not exceed the total compensation received by us for services related to this project; and client will defend, settle, and discharge any claims or allegations of liability for same against us by others.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

If client desires higher monetary limits of our liability, we will be pleased to discuss such higher limits and the impact on liability and fees. In the event the client makes a claim against us, at law or otherwise, for any alleged act, error, omission, negligence, breach of warranty or breach of contract, arising from the performance of our services, and client fails to prove such claim, then client shall pay all costs accrued by us in defending ourselves.

TITLE: The ownership of opinions, technical ideas, methods and means, drawings, calculations, and other data developed by us during the course of preparing proposals or rendering engineering services remains exclusively with us. It is a condition of this report or proposal that the client agrees not to use the opinions, technical ideas, methods and means, drawings, calculations or any other data for projects or locations, other than those specifically addressed in the report, and that no one other than the client may use this report, without the written permission of WHITAKER LABORATORY, INC.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

APPENDIX I

SITE VICINITY & BORING LOCATION PLANS

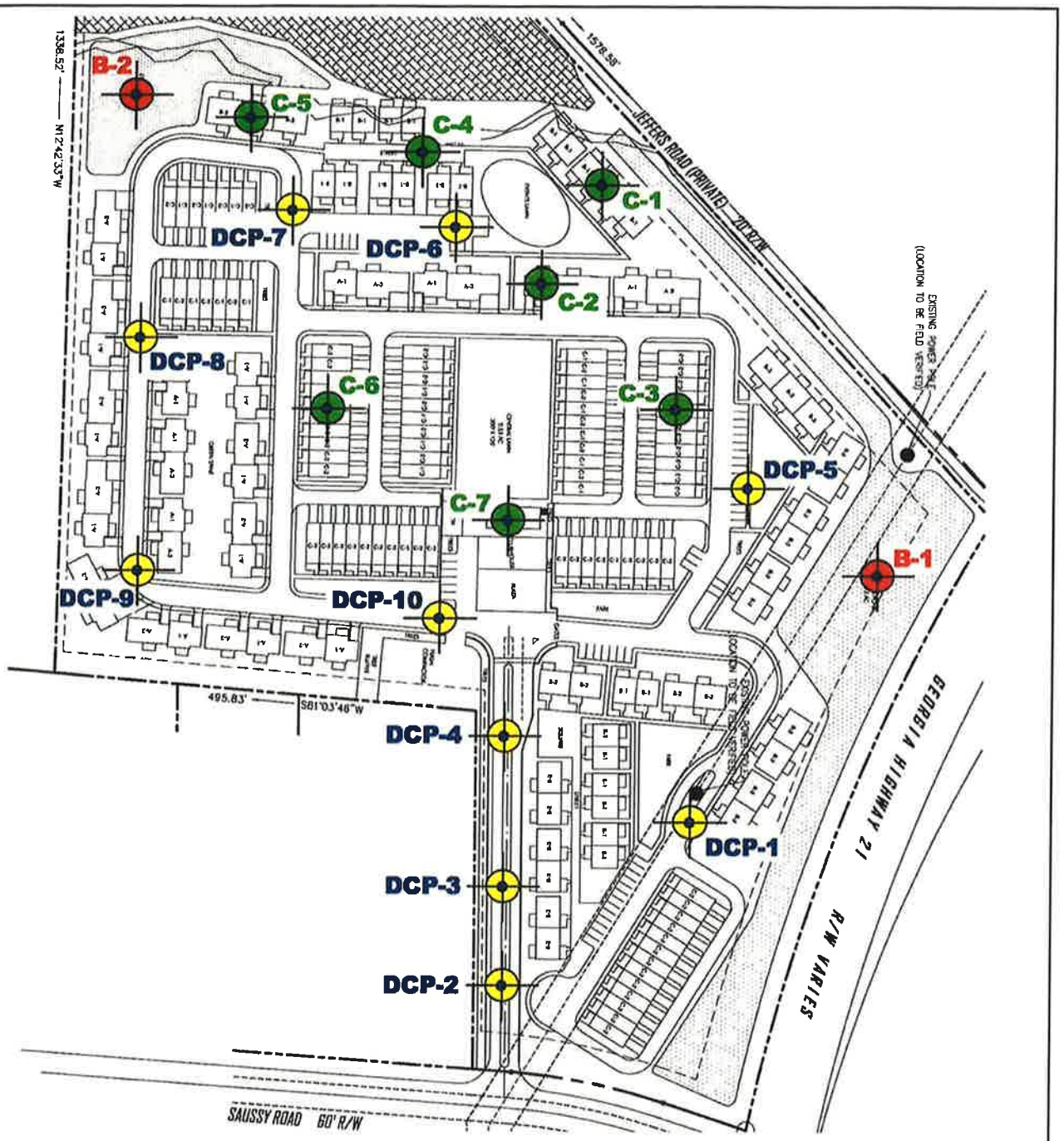
Site Vicinity Map

Community Housing Development
US Highway 21
Port Wentworth, Georgia

N

WHITAKER LABORATORY, INC.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application



Boring Location Plan

Community Housing Development
US Highway 21
Port Wentworth, Georgia

N

ALL BORING LOCATIONS ARE APPROXIMATE, & ARE BASED ONLY ON FIELD ESTIMATES.

WHITAKER LABORATORY, INC.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

APPENDIX II

BORING RECORDS

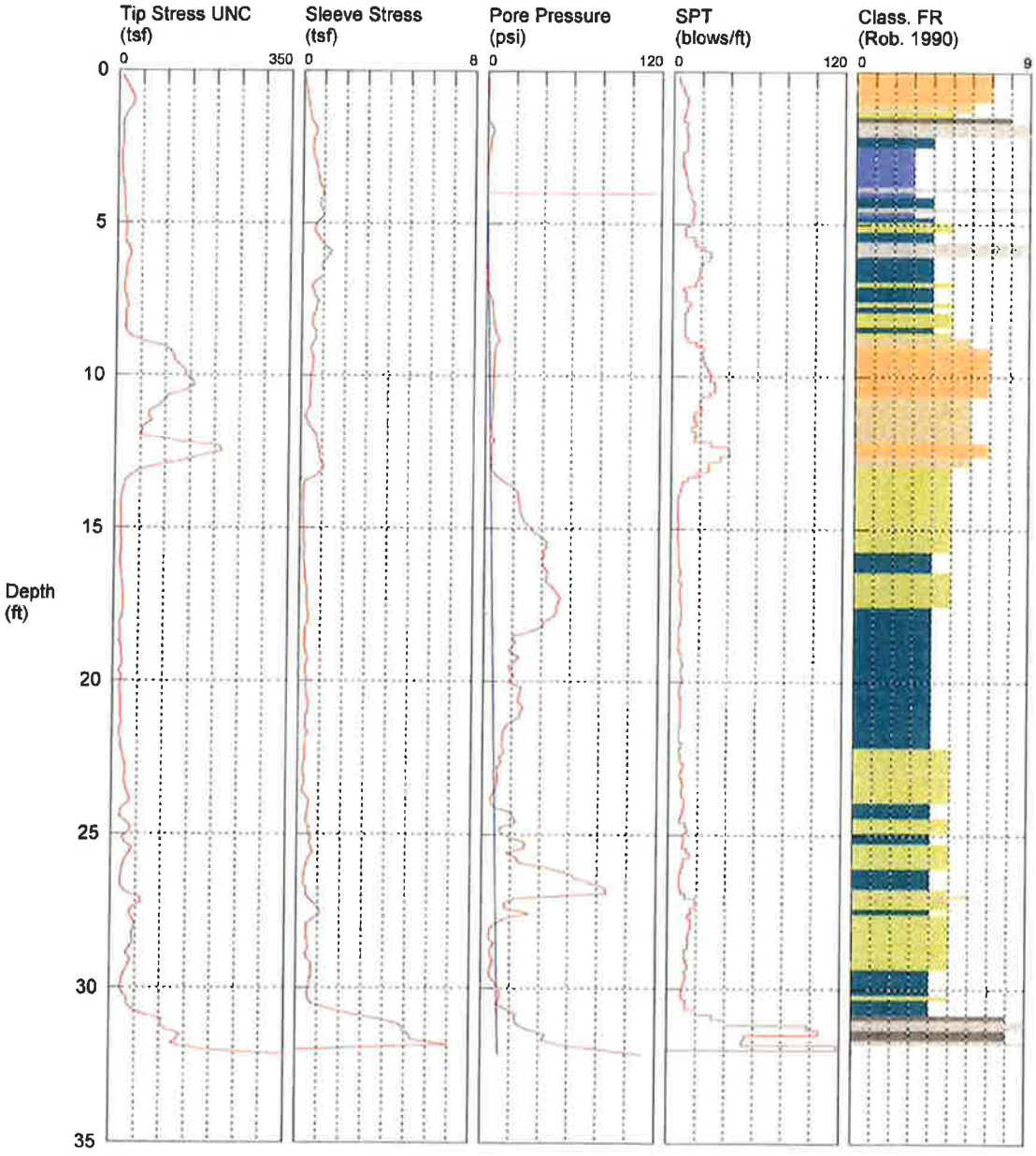
Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

CPT-1

SOUNDING
CUSTOMER: Customer
OPERATOR: Kicklighter
CONE ID: DDG0862
LOCATION: Port Wentworth GA

JOB NUMBER: LMS
HOLE NUMBER: CPT-1
TEST DATE: 11/24/2020 10:32:30 AM
SOUNDING

TOTAL DEPTH: 32.152 ft



1 Sensitive, fine grained
2 Organic soils - peats
3 Clays - clay to silty clay
4 Silt mixtures - clayey silt to silty clay
5 Sand mixtures - silty sand to sandy sil
6 Sands - clean sand to silty sand
7 Gravelly sand to sand
8 Very stiff sand to clayey sand **
9 Very stiff, fine grained **

*SBT: Robertson 1990; **Overconsolidated or Cemented; *SBT/SPT CORRELATION: UBC-1983

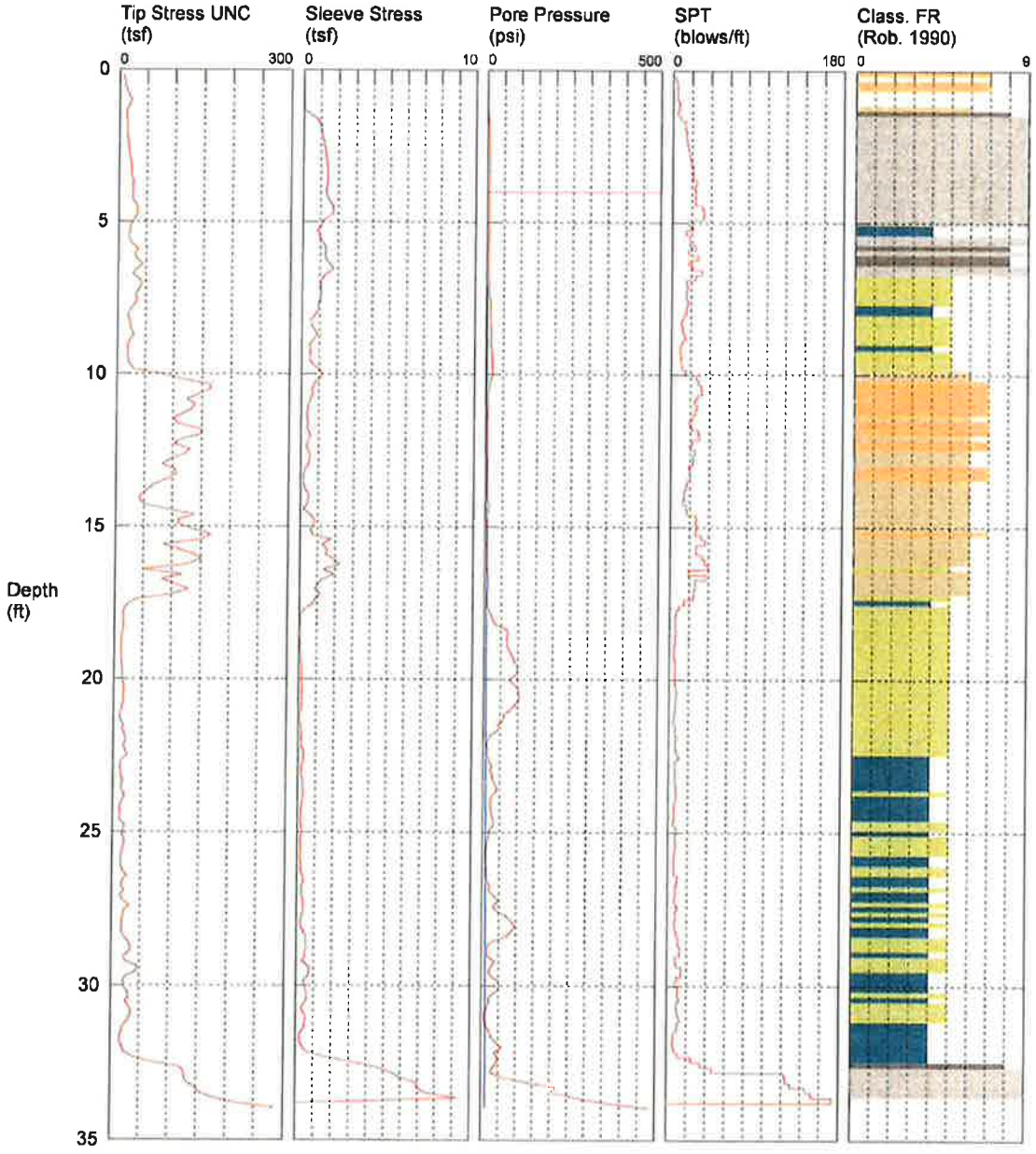
Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

CPT-2

SOUNDING
CUSTOMER: Customer
OPERATOR: Kicklighter
CONE ID: DDG0862
LOCATION: Port Wentworth GA

JOB NUMBER: LMS
HOLE NUMBER: CPT-2
TEST DATE: 11/24/2020 10:59:49 AM
SOUNDING

TOTAL DEPTH: 33.957 ft



1 Sensitive, fine grained
2 Organic soils - peats
3 Clays - clay to silty clay
4 Silt mixtures - clayey silt to silty clay
5 Sand mixtures - silty sand to sandy si
6 Sands - clean sand to silty sand
7 Gravelly sand to sand
8 Very stiff sand to clayey sand **
9 Very stiff, fine grained **

*SBT: Robertson 1990; **Overconsolidated or Cemented; *SBT/SPT CORRELATION: UBC-1983

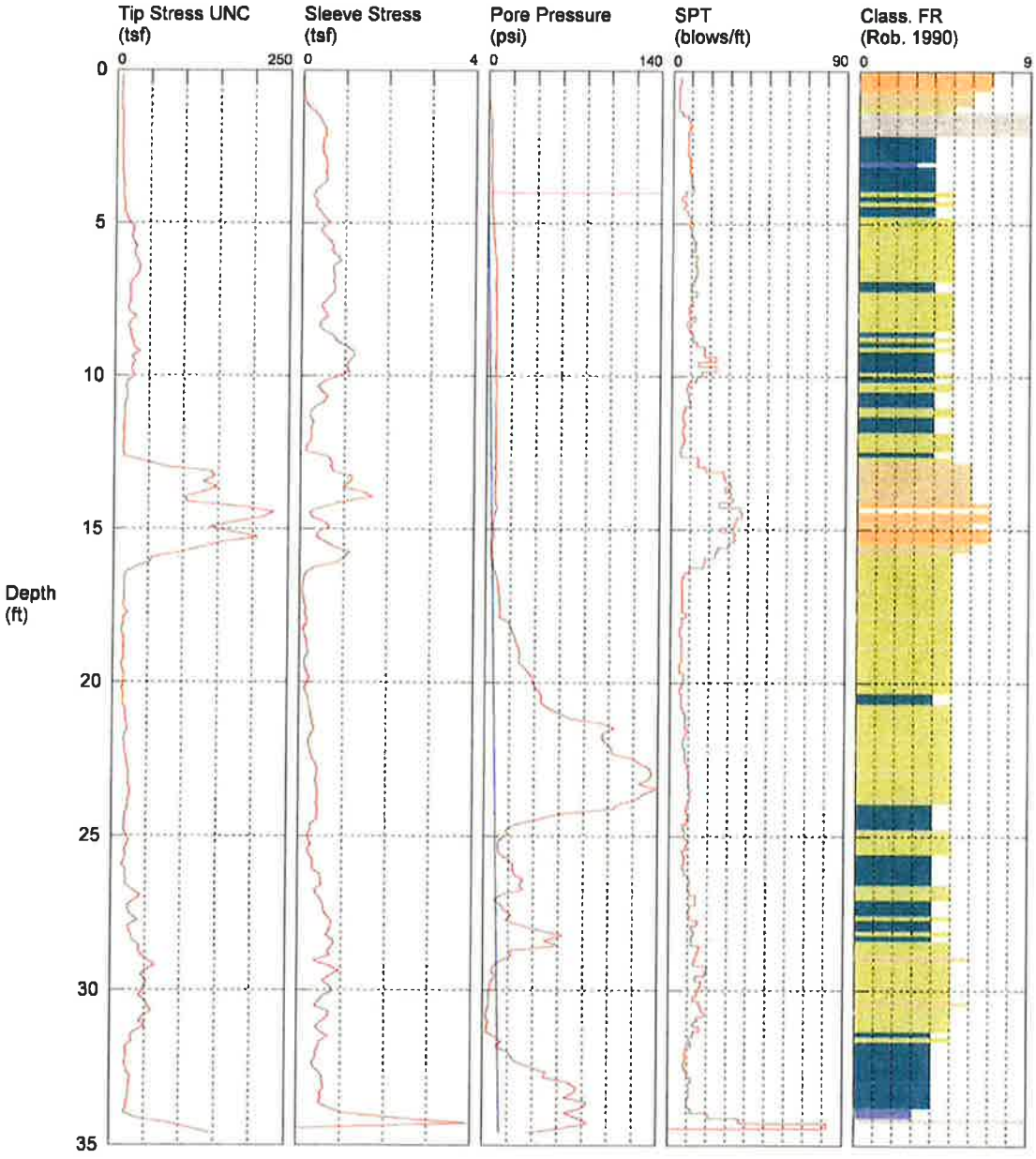
Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

CPT-3

SOUNDING
CUSTOMER: Customer
OPERATOR: Kicklighter
CONE ID: DDG0862
LOCATION: Port Wentworth GA

JOB NUMBER: LMS
HOLE NUMBER: CPT-3
TEST DATE: 11/24/2020 11:25:56 AM
SOUNDING

TOTAL DEPTH: 34.613 ft



1 Sensitive, fine grained
2 Organic soils - peats
3 Clays - clay to silty clay
4 Silt mixtures - clayey silt to silty clay
5 Sand mixtures - silty sand to sandy si
6 Sands - clean sand to silty sand
7 Gravelly sand to sand
8 Very stiff sand to clayey sand **
9 Very stiff, fine grained **

*SBT: Robertson 1990; **Overconsolidated or Cemented; *SBT/SPT CORRELATION: UBC-1983

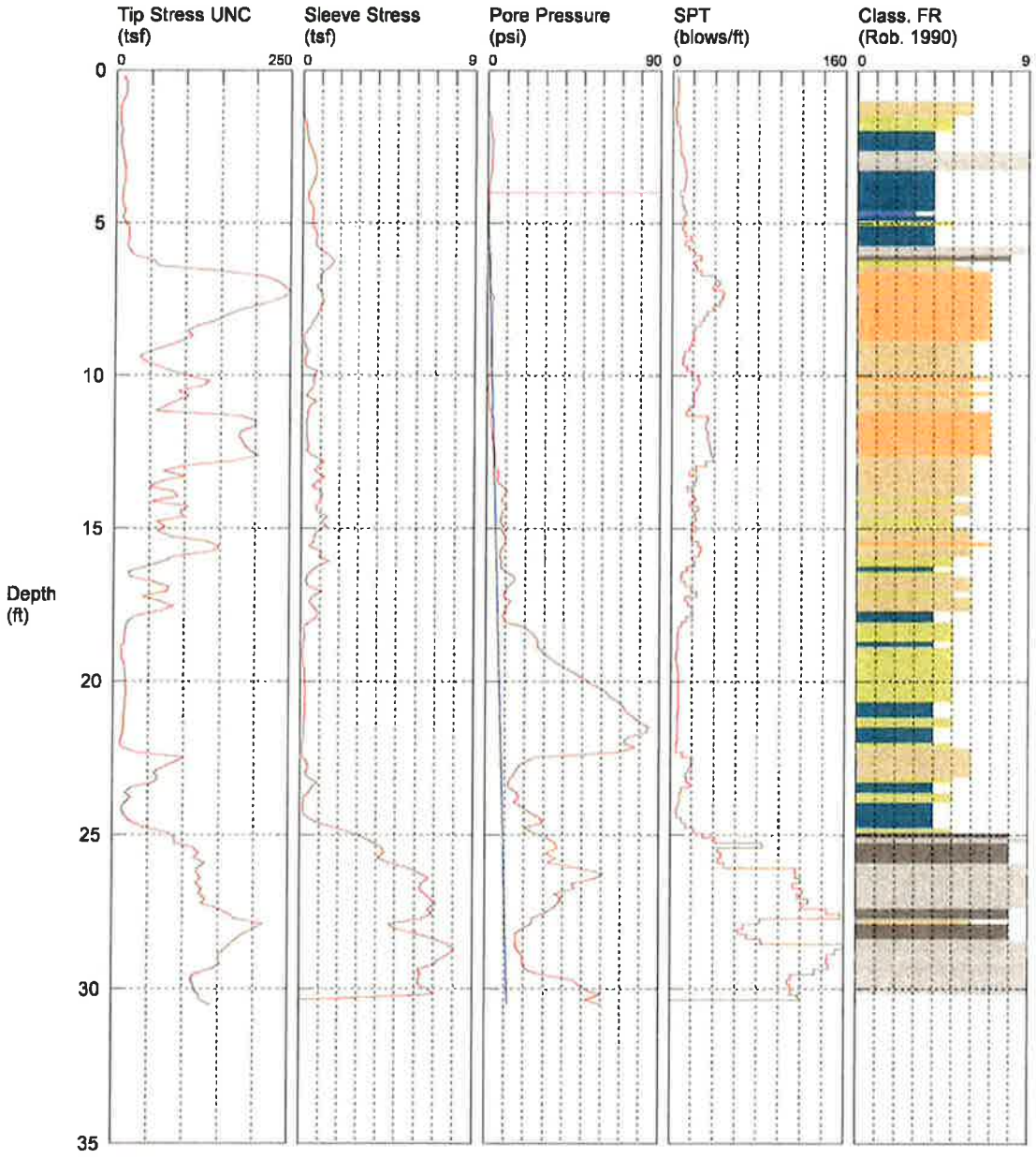
Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

CPT-4

SOUNDING
CUSTOMER: Customer
OPERATOR: Kicklighter
CONE ID: DDG0862
LOCATION: Port Wentworth GA

JOB NUMBER: LMS
HOLE NUMBER: CPT-4
TEST DATE: 11/24/2020 12:23:17 PM
SOUNDING

TOTAL DEPTH: 30.512 ft



1 Sensitive, fine grained
2 Organic soils - peats
3 Clays - clay to silty clay
4 Silt mixtures - clayey silt to silty clay
5 Sand mixtures - silty sand to sandy si
6 Sands - clean sand to silty sand
7 Gravelly sand to sand
8 Very stiff sand to clayey sand **
9 Very stiff, fine grained **

*SBT: Robertson 1990; **Overconsolidated or Cemented; *SBT/SPT CORRELATION: UBC-1983

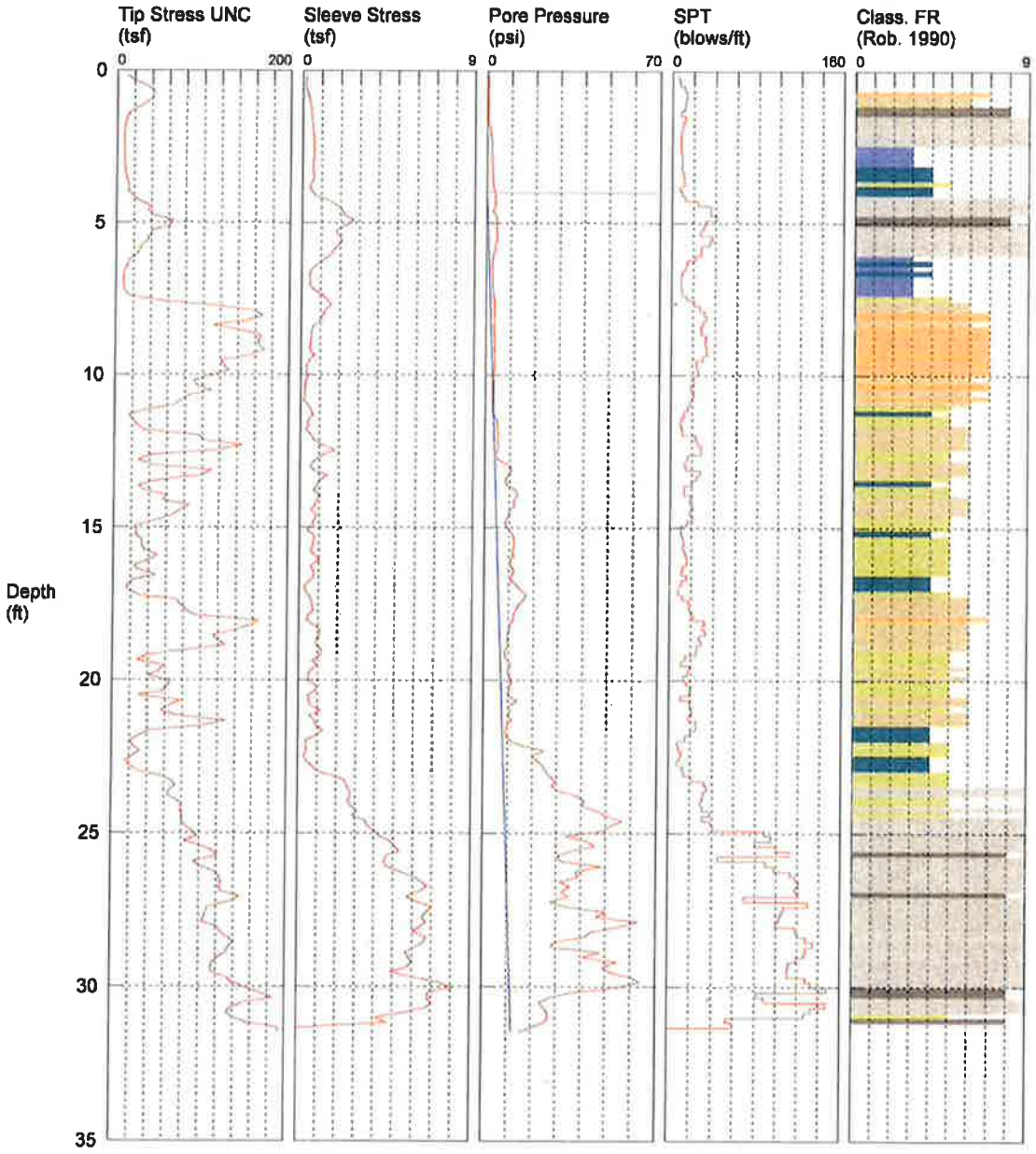
Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

CPT-5

SOUNDING
CUSTOMER: Customer
OPERATOR: Kicklighter
CONE ID: DDG0862
LOCATION: Port Wentworth GA

JOB NUMBER: LMS
HOLE NUMBER: CPT-5
TEST DATE: 11/24/2020 12:47:31 PM
SOUNDING

TOTAL DEPTH: 31.496 ft



1 Sensitive, fine grained
2 Organic soils - peats
3 Clays - clay to silty clay
4 Silt mixtures - clayey silt to silty clay
5 Sand mixtures - silty sand to sandy sil
6 Sands - clean sand to silty sand
7 Gravelly sand to sand
8 Very stiff sand to clayey sand **
9 Very stiff, fine grained **

*SBT: Robertson 1990; **Overconsolidated or Cemented; *SBT/SPT CORRELATION: UBC-1983

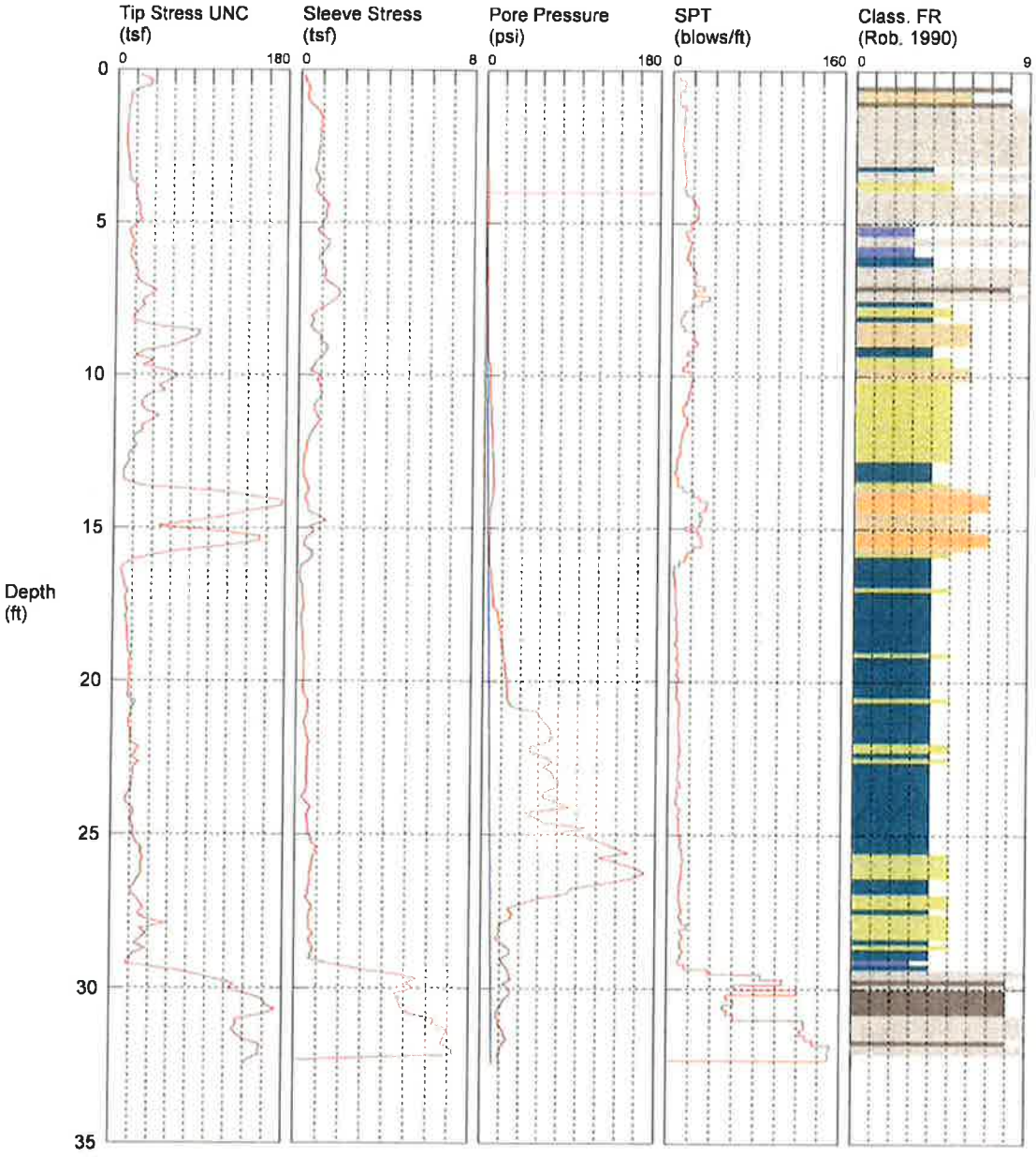
Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

CPT-7

SOUNDING
CUSTOMER: Customer
OPERATOR: Kicklighter
CONE ID: DDG0862
LOCATION: Port Wentworth GA

JOB NUMBER: LMS
HOLE NUMBER: CPT-7
TEST DATE: 11/24/2020 1:46:21 PM
SOUNDING

TOTAL DEPTH: 32.480 ft



1 Sensitive, fine grained
2 Organic soils - peats
3 Clays - clay to silty clay
4 Silt mixtures - clayey silt to silty clay
5 Sand mixtures - silty sand to sandy sil
6 Sands - clean sand to silty sand
7 Gravelly sand to sand
8 Very stiff sand to clayey sand **
9 Very stiff, fine grained **

*SBT: Robertson 1990; **Overconsolidated or Cemented; *SBT/SPT CORRELATION: UBC-1983

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

Client: LMS Real Estate Investment Management, LLC

Project: Community Housing Development

Location: U. S. Highway 21 - Port Wentworth, GA

Boring No. B-1

Date: 11/23/2020

Engineer: Follo

SUBSURFACE PROFILE		Sample					
Depth	Description	Depth	Number	Blows/ft	Standard Penetration Test blows/ft.(Corrected to N60) 10 20 30 40 50 60 70 80 90	Water Table	Remarks
0	Ground Surface	0					
	SM-PT Topsoil		1	6			
	CL Orange-gray silty clay		2	13			
5	***CH*** Stiff, red-orange clay	5	3	34			
	SM Dense, orange-tan medium to fine silty sand		4	26			
10	***SC*** Very stiff, orange-gray fine sand clay	10	5	22			
	SC Stiff, tan-gray medium to fine sand clay						
15	***SP*** Very firm, tan-gray coarse to fine sand	15	6	36			
	SM Dense, gray medium to fine silty sand						
20		20	7	44			
	CH Very stiff, gray clay						
25		25	8	28			
	SM Very firm, gray fine silty sand						
30	End of Borehole	30	9	22			
35		35					

Drilled By: Wilkerson (B48)

Drill Method: H. S. Auger

Drill Date: 11/23/2020

WHITAKER LABORATORY, INC.
2500 Tremont Road
Savannah, GA 31405

Hole Size: 6.5"

Datum:

Sheet: 1 of 1

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

Client: LMS Real Estate Investment Management, LLC

Project: Community Housing Development

Location: U. S. Highway 21 - Port Wentworth, GA

Boring No. B-2

Date: 11/23/2020

Engineer: Follo

SUBSURFACE PROFILE		Sample					
Depth	Description	Depth	Number	Blows/ft	Standard Penetration Test blows/ft.(Corrected to N60) 10 20 30 40 50 60 70 80 90	Water Table	Remarks
0	Ground Surface	0					
	SM-PT Topsoil		1	4			
	SC-CL Tan-brown, fine sand clay		2	8			
5	**SC** Firm, orange-tan fine sand clay	5	3	13			
	CL Stiff, tan silty clay		4	13			
	SC Stiff, orange-tan fine sand clay						
10	**SP** Firm, tan coarse to fine sand	10	5	15			
	GM Firm, gray silty gravel sand						
15		15	6	17			
	CH Stiff to hard, gray clay						
20		20	7	22			
25		25	8	46			
	SM Very firm,gray fine silty sand						
30	End of Borehole	30	9	26			
35		35					

Drilled By: Wilkerson (B48)

Drill Method: H. S. Auger

Drill Date: 11/23/2020

WHITAKER LABORATORY, INC.
2500 Tremont Road
Savannah, GA 31405

Hole Size: 6.5"

Datum:

Sheet: 1 of 1

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

WHITAKER LABORATORY, INC.
P.O. BOX 7078
SAVANNAH, GEORGIA 31418

Project Name Community Housing **Date** 11/24/2020

Project Location Highway 21, Port Wentworth, GA

Boring Number _____ **Field Engineer** Ron Wilkerson

Ground Surface Elevation _____ **Ground Water Elevation** _____

Sample No.	Sample From	Sample To	Stratum From	Stratum To	Visual Field Classification	Blows/Foot
DCP-1			0	0.5'	Brown Sand Clay with Organics	-1' – 1-1-1
			0.5'	2.5'	Soft Brown Tan Sand Clay (SC)	-2' – 2-3-4
			2.5'	6'	Firm Orange/Tan Clay (CH)	-3' – 4-5-5
					Groundwater Encountered at 1 Foot	-4' – 4-6-7
					SHGW at Ground Surface	
DCP-2			0	10"	Brown Sand Clay with Organics	-1' – 2-3-4
			10"	1.5'	Soft Orange/Brown Sand Clay (SC)	-2' – 3-4-4
			1.5'	3'	Soft to Firm Tan/Orange Clay (CH)	-3' – 5-5-5
			3'	4'	Soft Orange/Gray Clay (CH)	-4' – 5-6-7
			4'	6'	Firm Tan/Gray Clay (CH)	
					Groundwater Encountered at 1 Foot	
					SHGW at 0.5 Feet	
DCP-3			0	1'	Brown Sand Clay with Organics	-1' – 2-2-3
			1'	3'	Firm Red/Orange Brown Clay (CH)	-2' – 4-5-7
			3'	6'	Firm to Stiff Tan/Orange/Gray Clay (CH)	-3' – 6-8-9
					Groundwater Encountered at 1 Foot	-4' – 9-9-11
					SHGW at 0.5 Feet	
DCP-4			0	8"	Brown Fine Sand with Organics	-1' – 2-3-4
			8"	3'	Soft to Firm Brown/Orange Clay (CH)	-2' – 4-4-5
			3'	4.5'	Stiff Gray/Orange/Tan Clay (CH)	-3' – 6-8-8
			4.5'	6'	Yellow/Tan Clay	-4' – 7-9-10
					Groundwater Encountered at 1 Foot	
					SHGW at 0.5 Feet	

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

WHITAKER LABORATORY, INC.
P.O. BOX 7078
SAVANNAH, GEORGIA 31418

Project Name Community Housing Date 11/24/2020

Project Location Highway 21, Port Wentworth, GA

Boring Number _____ Field Engineer Ron Wilkerson

Ground Surface Elevation _____ Ground Water Elevation _____

Sample No.	Sample From	Sample To	Stratum From	Stratum To	Visual Field Classification	Blows/Foot
DCP-5			0	10"	Brown Fine Sand with Organics	-1' – 8-8-8
			10"	2'	Firm to Soft Orange/Tan Sand Clay (SC)	-2' – 3-4-4
			2'	6'	Firm Orange/Tan Clay (CH)	-3' – 6-7-8
					Groundwater Encountered at 1 ½ Foot	-4' – 5-7-9
					SHGW at 1 Foot	
DCP-6			0	8"	Brown Fine Sand with Organics	-1' – 8-8-12
			8"	1.5'	Stiff Brown Tan Sand Clay (SC)	-2' – 6-8-8
			1.5'	6'	Firm to Stiff Orange/Tan Clay (CH)	-3' – 6-7-9
					Groundwater Encountered at 1 ½ Foot	-4' – 7-9-9
					SHGW at 1 Foot	
DCP-7			0	9"	Tan Fine Sand with Organics	-1' – 3-5-5
			9"	2'	Firm to Stiff Tan/Orange Sand Clay (SC)	-2' – 5-7-10
			2'	6'	Stiff Orange/Gray Clay (CH)	-3' – 5-9-9
					Groundwater Encountered at 1 ½ Foot	-4' – 7-9-11
					SHGW at 0.5 Feet	
DCP-8			0	1'	Brown Sand Clay with Organics	-1' – 6-8-8
			1'	6'	Soft to Firm Tan/Orange Clay (SC)	-2' – 3-4-5
					Groundwater Encountered at 1 ½ Foot	-3' – 6-6-7
					SHGW at 0.5 Feet	-4' – 6-8-9

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

WHITAKER LABORATORY, INC.
P.O. BOX 7078
SAVANNAH, GEORGIA 31418

Project Name Community Housing **Date** 11/24/2020

Project Location Highway 21, Port Wentworth, GA

Boring Number _____ **Field Engineer** Ron Wilkerson

Ground Surface Elevation _____ **Ground Water Elevation** _____

Sample No.	Sample From	Sample To	Stratum From	Stratum To	Visual Field Classification	Blows/Foot
DCP-9			0	10"	Brown Fine Sand with Organics	-1' – 7-8-8
			10"	1.5'	Firm Brown/Tan Sand Clay (SC)	-2' – 7-7-7
			1.5'	6'	Firm to Stiff Orange/Tan Clay (CH)	-3' – 6-7-8
					Groundwater Encountered at 1 Foot	-4' – 7-9-11
					SHGW at Ground Surface	
DCP-10			0	1'	Brown Sand Clay with Organics	-1' – 7-7-7
			1'	6'	Firm to Soft Orange/Tan Clay (CH)	-2' – 4-4-5
					Groundwater Encountered at 1 Foot	-3' – 5-7-7
					SHGW at Ground Surface	-4' – 7-8-9

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

APPENDIX III

SEISMIC PARAMETERS

LIQUEFACTION ANALYSIS

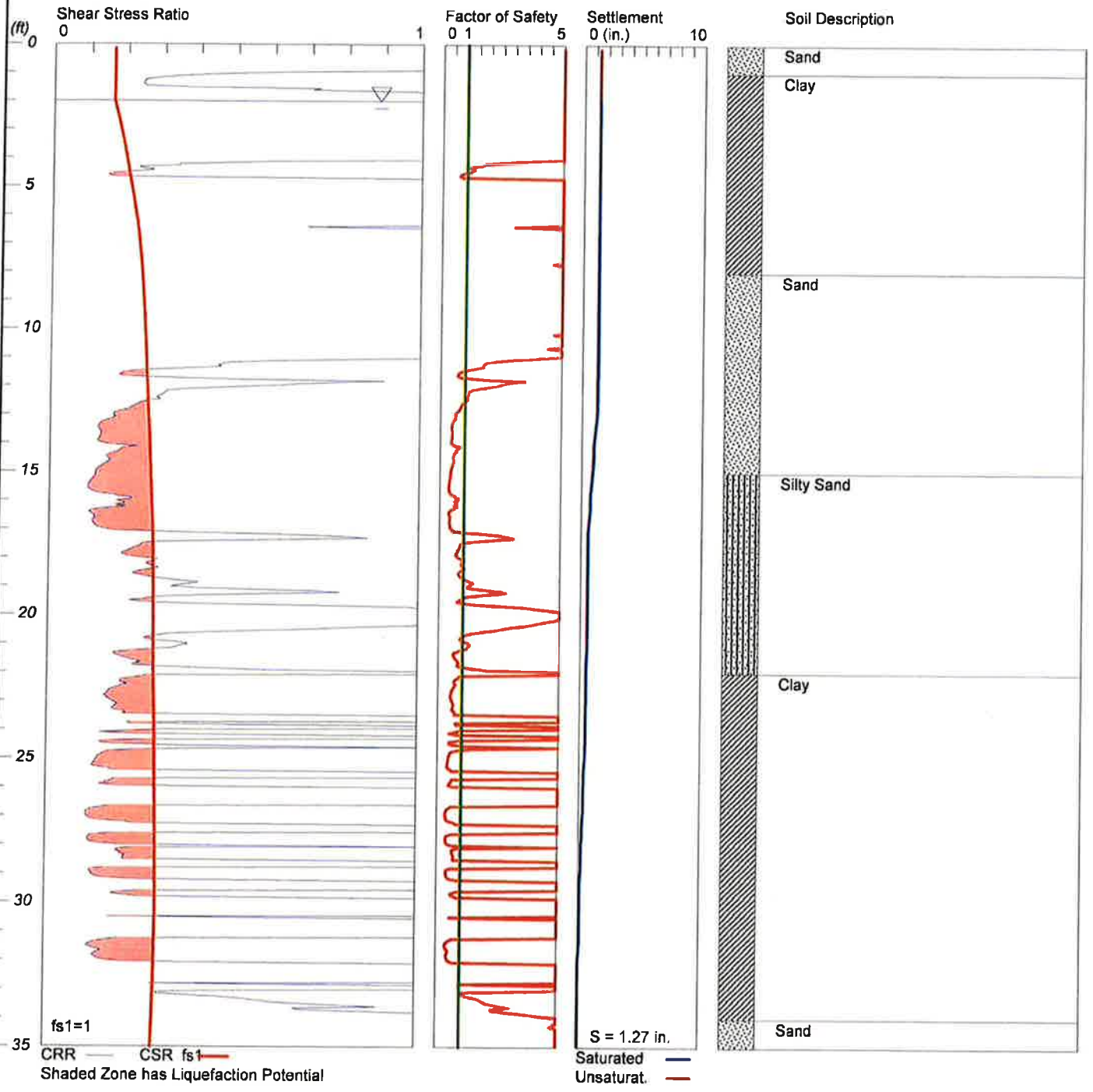
Port Wentworth Site - Hwy. 21

Hole No.=CPT-6 Water Depth=2 ft

Ground Improvement of Fill=2 ft

Magnitude=7.3

Acceleration=0.25g



LiquefyPro CivilTech Software USA www.civiltech.com

CivilTech Corporation **Chatham County - GA** **Plate A-1**

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

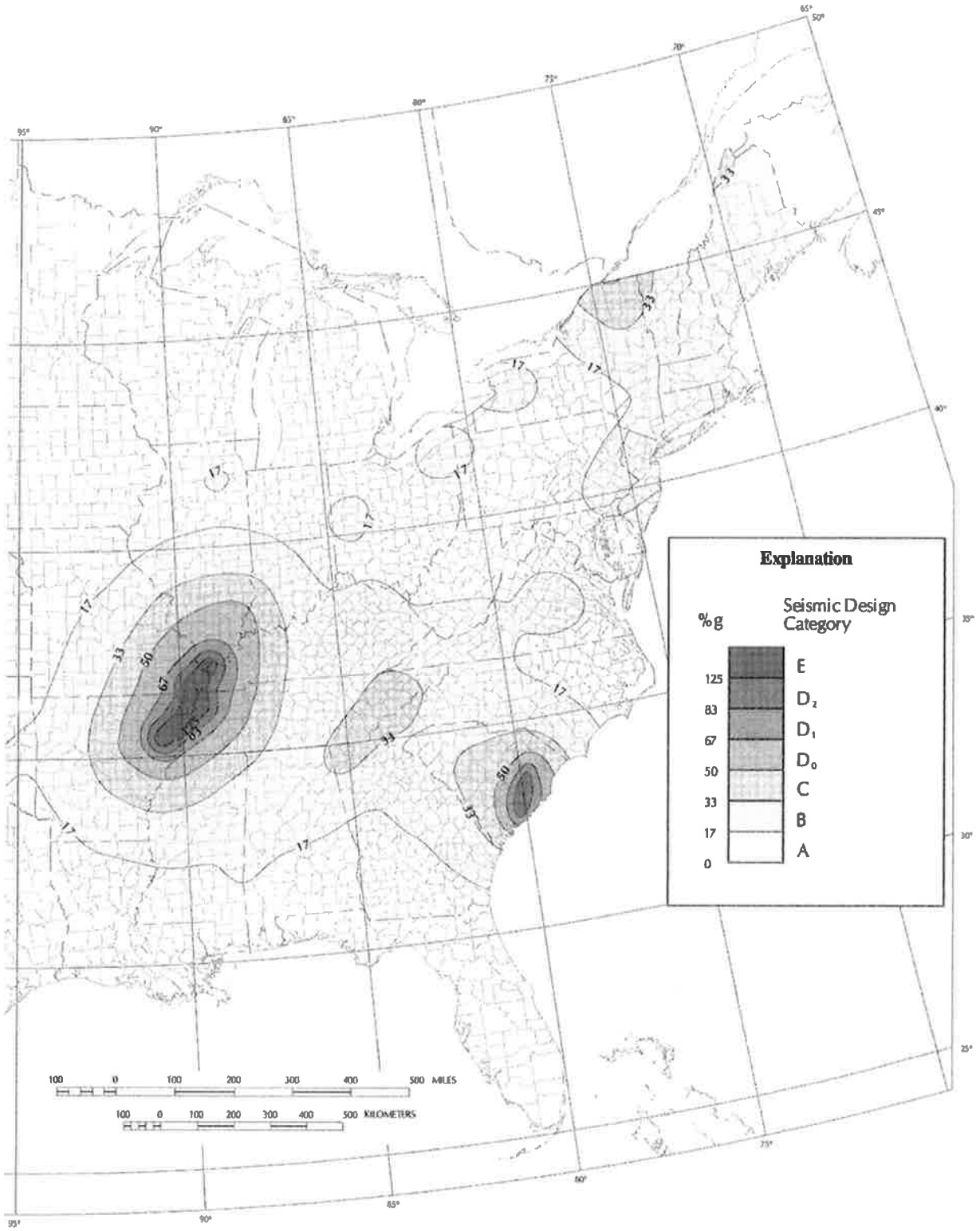


FIGURE R301.2(2)—continued
SEISMIC DESIGN CATEGORIES—SITE CLASS D

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

OSHPD

Highway 21, Port Wentworth, Georgia

Latitude, Longitude: 32.2109, -81.2031

Date	12/1/2020, 12:30:30 PM
Design Code Reference Document	ASCE7-16
Risk Category	II
Site Class	D - Default (See Section 11.4.3)

Type	Value	Description
S_S	0.315	MCE_R ground motion. (for 0.2 second period)
S_1	0.115	MCE_R ground motion. (for 1.0s period)
S_{MS}	0.488	Site-modified spectral acceleration value
S_{M1}	0.272	Site-modified spectral acceleration value
S_{DS}	0.325	Numeric seismic design value at 0.2 second SA
S_{D1}	0.181	Numeric seismic design value at 1.0 second SA

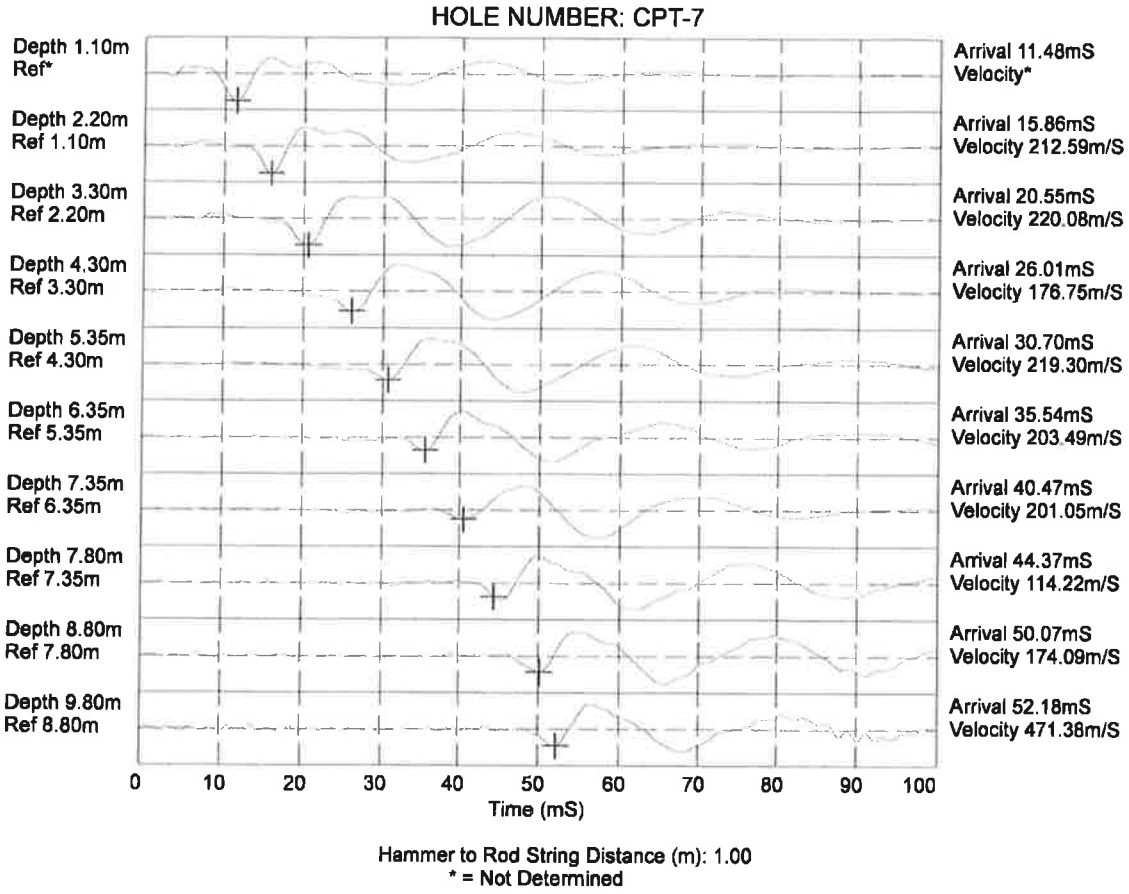
Type	Value	Description
SDC	C	Seismic design category
F_a	1.548	Site amplification factor at 0.2 second
F_v	2.371	Site amplification factor at 1.0 second
PGA	0.172	MCE_G peak ground acceleration
F_{PGA}	1.457	Site amplification factor at PGA
PGA_M	0.25	Site modified peak ground acceleration
T_L	8	Long-period transition period in seconds
SsRT	0.315	Probabilistic risk-targeted ground motion. (0.2 second)
SsUH	0.357	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration
SsD	1.5	Factored deterministic acceleration value. (0.2 second)
S1RT	0.115	Probabilistic risk-targeted ground motion. (1.0 second)
S1UH	0.13	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration.
S1D	0.6	Factored deterministic acceleration value. (1.0 second)
PGAd	0.5	Factored deterministic acceleration value. (Peak Ground Acceleration)
C_{RS}	0.884	Mapped value of the risk coefficient at short periods
C_{R1}	0.883	Mapped value of the risk coefficient at a period of 1 s

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

DISCLAIMER

While the information presented on this website is believed to be correct, SEAOC /OSHPD and its sponsors and contributors assume no responsibility or liability for its accuracy. The material presented in this web application should not be used or relied upon for any specific application without competent examination and verification of its accuracy, suitability and applicability by engineers or other licensed professionals. SEAOC / OSHPD do not intend that the use of this information replace the sound judgment of such competent professionals, having experience and knowledge in the field of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the results of the seismic data provided by this website. Users of the information from this website assume all liability arising from such use. Use of the output of this website does not imply approval by the governing building code bodies responsible for building code approval and interpretation for the building site described by latitude/longitude location in the search results of this website.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application



Hammer to Rod String Distance (m): 1.00
* = Not Determined

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

LMS Real Estate, Highway 21, Port Wentworth, GA
Shear wave IBC Site Class

CPT-7 ft	VS ft/sec	Di/vs
4	650	0.00507692
7	695	0.00474574
11	722	0.00457317
14	577	0.00571646
17	718	0.00459405
21	666	0.00495615
24	659	0.00500546
27	374	0.00882542
30	571	0.00578217
34	1545	0.00213609
37	700	0.00471429
40	700	0.00471429
44	700	0.00471429
47	700	0.00471429
50	700	0.00471429
54	700	0.00471429
57	700	0.00471429
60	700	0.00471429
63	700	0.00471429
67	700	0.00471429
70	800	0.00412500
73	800	0.00412500
77	800	0.00412500
80	800	0.00412500
83	800	0.00412500
87	800	0.00412500
90	800	0.00412500
93	800	0.00412500
96	800	0.00412500
100	800	0.00412500

0.13980449

Weighted 715

Red values were conservatively assumed
Weighted VS between 600 - 1200 is site D

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

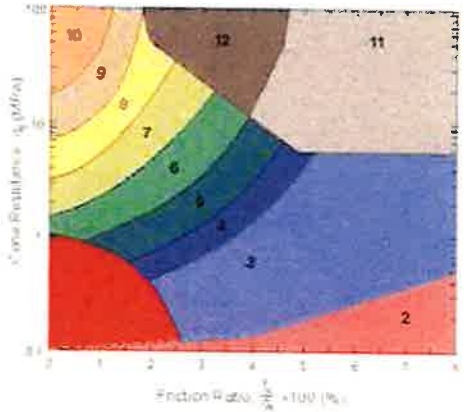
APPENDIX IV

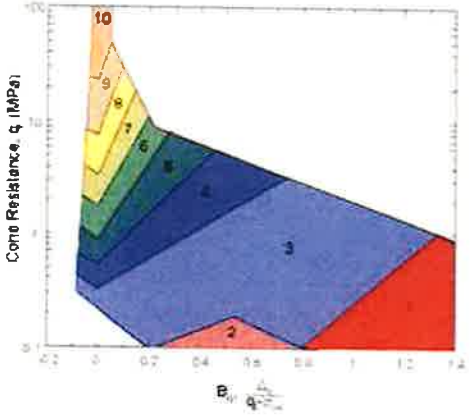
IMPORTANT GENERAL NOTES

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

CPT Soil Behavior Type Legend

Robertson et al. 1986

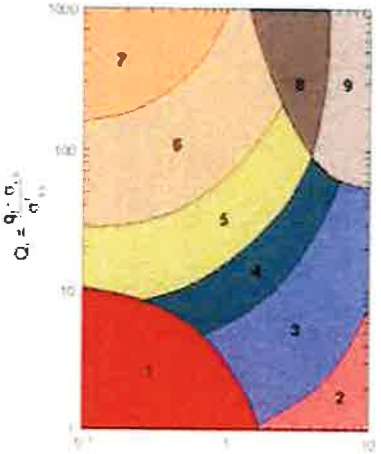


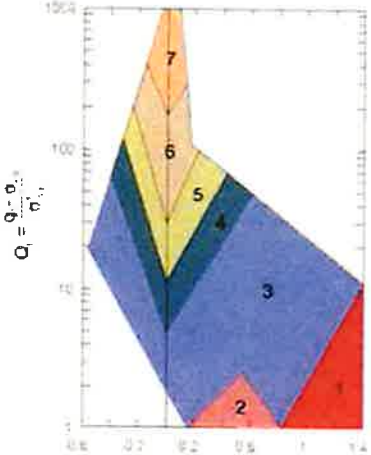


Zone	Soil Behavior Type
1	Sensitive, Fine Grained
2	Organic Material
3	Clay
4	Silty Clay to Clay
5	Clayey Silt to Silty Clay
6	Sandy Silt to Clayey Silt
7	Silty Sand to Sandy Silt
8	Sand to Silty Sand
9	Sand
10	Gravelly Sand to Sand
11	Very Stiff Fine Grained*
12	Sand to Clayey Sand*

*Overconsolidated or Cemented

Robertson et al. 1990





Zone	Soil Behavior Type
1	Sensitive, Fine Grained
2	Organic Soils-Peats
3	Clays: Clay to Silty Clay
4	Silt Mixtures: Clayey Silt to Silty Clay
5	Sand Mixtures: Silty Sand to Sandy Silt
6	Sands: Clean Sands to Silty Sands
7	Gravelly Sand to Sand
8	Very Stiff Sand to Clayey Sand*
9	Very Stiff Fine Grained*

*Overconsolidated or Cemented

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

GENERAL NOTES

The "standard" penetration resistance is an indication of the density of cohesion less soils and of the strength of cohesive soils. The "standard" penetration test is measured with a 1.4 inch I.D., 2 inch O.D., sampler driven one (1) foot with a 140 pound hammer falling 30 inches.

RELATIVE DENSITY OF SOIL THAT IS PRIMARILY SAND

Number of Blows	Relative Density
0 - 4	Very loose
5 - 10	Loose
11 - 20	Firm
21 - 30	Very firm
31 - 50	Dense
Over 51	Very dense

CONSISTENCY OF SOIL THAT IS PRIMARILY SILT OR CLAY

Number of Blows	Consistency
0 - 2	Very soft
3 - 4	Soft
5 - 8	Firm
9 - 15	Stiff
16 - 30	Very stiff
Over 31	Hard

While individual test boring records are considered to be representative of subsurface conditions at the respective boring locations on the dates shown, it is not warranted that they are representative of subsurface conditions at other locations and times.

The subsoil stratification shown on these profiles is not warranted but is estimated based on accepted soil engineering principles and practices and reasonable engineering judgment.

Unless notified, samples will be disposed of after 60 days.

GROUP		
MAJOR DIVISIONS	SYMBOLS	TYPICAL NAMES
COARSE-GRAINED SOILS More than 50% retained on No. 200 Sieve*		
GRAVELS 50% or more of coarse fraction retained on No. 4 sieve		
CLEAN GRAVELS	GW	Well-graded gravels and gravel-sand mixtures, little or no fines
	GP	Poorly graded gravels and gravel-sand mixtures, little or no fines
GRAVELS WITH FINES	GM	Silty gravels, gravel-sand-silty mixtures
	GC	Clayey gravels, gravel sand clay mixtures
SANDS More than 50% of coarse fraction passes No. 4 sieve		
CLEAN SANDS	SW	Well graded sand and gravelly sands, little or no fines
	SP	Poor graded sands and gravelly sands, little or no fines
SANDS WITH FINES	SM	Silty sands, sand-silt mixtures
	SC	Clayey sands, sand clay mixtures
FINE GRAINED SOILS 50% or more passes No. 200 Sieve*		
SILTS AND CLAYS Liquid Limit 50% or less		
	ML	Inorganic silts, very fine sands, rock flour, silty or clayey fine sands
	CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
	OL	Organic silts and organic silty clays of low plasticity
SILTS AND CLAYS Liquid Limit greater than 50%		
	MH	Inorganic silts, micaceous or diatomaceous fine sands or silts, elastic silts
	CH	Inorganic clays of high plasticity, fat clays
	OH	Organic clays of medium to high plasticity
HIGHLY ORGANIC SOILS	PT	Peat, muck and other highly organic soils

*Based on the material passing the 3 in. (75 mm) sieve.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - Prelim Geo Report 12.4.20 (2511 : Site Plan Review Application

THOMAS & HUTTON
50 PARK OF COMMERCE WAY
SAVANNAH, GA 31405 | 912.234.5300
WWW.THOMASANDHUTTON.COM

September 13, 2021

Mr. Brian Harvey
Director of Development Services
City of Port Wentworth
305 South Coastal Highway
Port Wentworth, GA 31407

Re: LMS Cottages
Port Wentworth, Georgia
Site Plan Second Review
J–25412.0022

Dear Brian:

We have received the site plan for the referenced project submittal. The following information was included in the submittal package:

- Comment Resolution Letter & Miscellaneous Comments
- Revised Site Plans
- Land Disturbance Permit
- Completed CDM Exhibits
- Revised Master Hydrology Report
- Revised Water & Sewer Analysis
- Revised Pipe Sizing & CSS Report

This site plan review was completed based on our interpretation of the latest City of Port Wentworth zoning ordinance and development regulations. Thomas & Hutton's review was performed in an effort to assess if the application package for the proposed improvements is in general conformance with City of Port Wentworth regulations. Our review shall not be interpreted as a detailed technical analysis of the design or for verification of technical sufficiency for elements of design. Under no circumstances shall our review and comments related to the site plans relieve the Applicant's Design Professional of their professional obligations and professional standards of care. As such, the design submitted by the Applicant's Design Professional shall be the sole responsibility of the Applicant's Design Professional. Thomas & Hutton shall not accept any responsibility for any liability due to design and construction, in whole or in part, for any aspect of the design and construction of design documents.

We have reviewed the submittal package and offer the comments noted below for consideration.

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 2nd Letter T&H 9.13.21 (2511 : Site Plan Review Application

General Comments

~~1. The site appears to be zoned as Residential-Agricultural with a zoning code of R-A however plans call out the zoning as Planned Residential Multifamily (P-M-R). Disregard comment if site has been rezoned.~~

~~2. The site lies within an Effective FEMA Zone X, area of minimal flood hazard; Zone X (shaded), area of moderate flood hazard; and special flood hazard area (SFHA) Zone AE with a base flood elevation (BFE) of 13 ft (NAVD88) as documented on FEMA FIRM Panel 13051C0030G, effective August 16, 2018. Fill appears to be proposed within the Zone AE floodplain.~~

~~In addition to the calculation provided within the site development plans, please provide documentation depicting the area of fill and the area of mitigation along with certification that the cumulative effect of all proposed, existing, and anticipated development will not raise the water surface elevation of the base flood more than one foot at any point within the community, pursuant to Section 7-54 of the Port Wentworth Code of Ordinances.~~

3. Please provide a GDOT encroachment permit.

- **Provide GDOT encroachment permit once available.**

4. Please provide EPD water/wastewater permits, if applicable.

- **Provide EPD water/wastewater permits once available.**

~~5. Please provide EPD land disturbance approval.~~

~~6. Please provide any other pertinent permit approvals.~~

~~7. Please confirm there are no impacts to jurisdictional wetlands.~~

Stormwater Comments

In accordance with the City of Port Wentworth Drainage and Flood Control Ordinance (PWSMO) Section 7–79, this project proposes site development that will involve the creation of 5,000 square feet or more of impervious cover that otherwise did not exist on the site previously. As such, all stormwater provisions apply to this site.

~~1. Please provide the following items to complete the Stormwater Management Design Plan per Section 7-80(d) of the Port Wentworth Code of Ordinances and Section 3.7.9 and 3.7.12 of the Port Wentworth Comprehensive Development Manual:~~

- ~~Certification by Plan Preparer~~
- ~~Certification by Owner~~

~~2. It appears that only 71% of runoff reduction is being achieved. Please provide further clarification on how the remaining runoff volume will be reduced and/or treated.~~

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 2nd Letter T&H 9.13.21 (2511 : Site Plan Review Application

~~3. Please provide a detail and the location of all simple downspout disconnections per Section 7.8.8 of the Georgia CSS.~~

~~4. Please provide an effective level spreader for the vegetated filter strips, a detail for vegetated filter strips, and the location of all vegetated filter strips on the site development plans pursuant to Section 7.8.6 of the Georgia CSS.~~

~~5. Please acknowledge that a performance bond will be required prior to construction, as listed in Section 7–80(h) of Article III of the Drainage and Flood Control Ordinances within the Port Wentworth Code of Ordinances.~~

6. Provide a stormwater management inspection and maintenance agreement and plan as prescribed in Section 7–80(e) of the Port Wentworth Code of Ordinances.

   - **Comment remains. Please provide requested materials upon owner's approval.**

~~7. Per Section 3.7.10 of the CDM, please provide a statement of no adverse upstream or downstream impacts to the existing stormwater system.~~

~~8. Pursuant to Section 3.7.9 of the Port Wentworth CDM, please also include pre- and post-development flows for the 2- and 5-year, 24-hour design storms.~~

~~9. It appears that pre- and post-development drainage basins do not account for disturbance along Saussy Road. Please include all disturbed areas within the drainage basins and any offsite drainage areas contributing to disturbed areas within the drainage maps.~~

~~10. Please provide peak water surface elevations for the 2- and 5-year, 24-hour design storms per Section 3.7.10(3) of the Port Wentworth CDM.~~

~~11. Please provide a node and link map for the primary drainage in the Master Hydrology Report.~~

~~12. The tailwater provided in the secondary drainage pipe sizing analysis states the tailwater used was 12.00 in Pond #1 and Pond #2 for the 25-year storm. According to the Master Hydrology Report, the peak elevations for Pond #1 and Pond #2 appear to be 15.58 and 14.30, respectively. Please provide clarification.~~

Water, Fire System, and Sanitary Sewer Design Comments

~~1. Please provide the Water/Wastewater Availability Request Form found in Appendix A of the Port Wentworth Comprehensive Design Manual (CDM) as required by Section 3.3 of the CDM.~~

~~2. Please ensure all existing utility line locations and structures are shown on site plans. The existing water line along Saussy Road appears to not be shown on the utility plans.~~

~~3. Complete and provide the Water Distribution System Check List (Section 3.4.3 Exhibit 1 in the CDM).~~

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 2nd Letter T&H 9.13.21 (2511 : Site Plan Review Application

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 2nd Letter T&H 9.13.21 (2511 : Site Plan Review Application

~~4. Complete and provide the Fire Protection Design Requirements form (Section 3.4.4 Exhibit 2 in the CDM).~~

~~5. Complete and provide the necessary Available Fire Flow (Aff) calculations (Section 3.4.5 Exhibit 3 in the CDM).~~

~~6. Complete and provide the Owner/Client Declaration (Section 3.4.7 Exhibit 4 in the CDM).~~

~~7. Complete and provide the Wastewater Collection System Check List (Section 3.5.3 Exhibit 1 in the CDM).~~

~~8. Complete and provide the necessary Equivalent Residential Unit (ERU) calculations (Section 3.5.4 Exhibit 2 in the CDM).~~

9. Please provide sewer/pump station design calculations showing peak flow rate and TDH in accordance with Port Wentworth CDM Section 5.1.1.

- **The calculated duty point, as shown on sheet 33 of the design considerations report, is 90 gpm at 21.14 ft TDH. The pump selected shows an operating point of 91.7 gpm at 19.7 ft. Revise pump selection to meet or exceed both required design flow and head conditions.**

- **Provide clarification on the source of the unit loading rate values used to calculate Average Daily Flow.**

- **Provide clarification on the source of the Hazen-Williams C value table used to calculate total dynamic head in the pump station.**

~~10. Provide the location of the backflow prevention device.~~
~~11. Confirm that all water mains have a minimum diameter of 8" as per CDM Page 13.~~
~~12. Provide a note on the site plans clarifying that "All valves over 8" must be inside manhole TYP", as per CDM Detail W-14.~~
~~13. Confirm that the tapping sleeve to the watermain is located inside the manhole, as per CDM Detail W-14.~~
~~14. Provide an additional water valve near building B2.~~
~~15. Ensure that any water mains located under a road have a minimum 3 feet of coverage.~~
~~16. It is our understanding that a fire protection/suppression system will not be included within this project. Please coordinate with the Port Wentworth Fire Marshal for the fire protection comments and approval.~~

Plan Sheets Comments

~~1. Please show the location of all setbacks pursuant to Section 5.2 of Appendix B of the Port Wentworth Code of Ordinances.~~

~~2. Pursuant to Section 15.3-2.1(b) in Appendix B of the Port Wentworth Code of Ordinances, please ensure that that the centerline offsets of all existing and~~

~~proposed streets are less than 150 feet apart, specifically for Jeffers Road and GA Highway 21.~~

~~3. Pursuant to Section 15.3-2.1(f) in Appendix B of the Port Wentworth Code of Ordinances, please ensure all lot line radii are at least 20 feet and the curvilinear streets are at least 75 feet.~~

~~4. Please ensure that permanent dead-end streets contain a turnaround with a roadway diameter of at least 80 feet and right-of-way diameter of 100 feet, pursuant to Section 15.3-2.1(g) in Appendix B of the Port Wentworth Code of Ordinances.~~

~~5. Please note that all street names within a subdivision shall be approved by the Manger and Council, pursuant to Section 15.3-2.1(k) in Appendix B of the Port Wentworth Code of Ordinances.~~

6. Please ensure sidewalk layout meets the minimum design standards provided in Section 15.3-2.1(p) in Appendix B of the Port Wentworth Code of Ordinances.

   - **Please ensure sidewalk layout meets the minimum design standards provided in Section 5.2 of Appendix B in the Port Wentworth Code of Ordinances.**

7. Please provide right-of-way lines for all proposed roads, pursuant to Section 15.3-2.2 in Appendix B of the Port Wentworth Code of Ordinances.

   - **Please provide right-of-way lines for all proposed roads, pursuant to Section 5.7 in Appendix B of the Port Wentworth Code of Ordinances.**

~~8. Please confirm that all water/wastewater pipes have a minimum of 24" of cover as provided in the Port Wentworth CDM technical details S-8 and W-8.~~

~~9. Please consider all water/sewer and water/storm crossings have at least 18" minimum separation.~~

Site Lighting Comments

1. The Site Lighting Plan indicates that the plan is preliminary until a Georgia Power Executed Lighting Agreement is obtained. Please provide the final Sight Lighting Plan once this agreement is acquired.

   - **Provide a Site Lighting Plan upon owner's approval for review regarding compliance with city ordinances.**

Paving, Signage, and Parking Comments

~~1. Applicant shall ensure construction of sidewalks, ADA parking, and accessible routes are in conformance with federal ADA standards, latest edition. Please provide a note on the plans.~~

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 2nd Letter T&H 9.13.21 (2511 : Site Plan Review Application

2. ~~Provide all applicable details concerning the parking spaces, both handicap accessible and otherwise.~~

3. ~~Please provide the parking calculations per dwelling unit as defined in Section 4.10 of Appendix B in the Port Wentworth Code of Ordinances. It appears that there are not enough parking spaces for the proposed number of multifamily homes.~~

4. ~~Any proposed signage will require a separate permit as outlined in Section 19.1–3 of Port Wentworth Code of Ordinances.~~

5. ~~A building permit will be required as outlined in Section 7.3, Appendix B of Port Wentworth Code of Ordinances.~~

Thank you for your attention to this project. If there are any questions or comments, please feel free to call us at (912) 234–5300.

Sincerely,

THOMAS & HUTTON

Darby Burk

Darby Burk

Attachment: 7-0975-01-025 TRACT B LMS COTTAGES S-SITE PLAN SEPT 2021 - 2nd Letter T&H 9.13.21 (2511 : Site Plan Review Application

CITY OF PORT WENTWORTH

PLANNING COMMISSION

SEPTEMBER 13, 2021

Via Teleconference GoToMeeting | **Regular Meeting** | **6:30 PM**

7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407

1. CALL MEETING TO ORDER

Chairman CJ Neesmith called the meeting to order.

2. PRAYER AND PLEDGE OF ALLEGIANCE

Commissioner Bright led the Prayer and Pledge of Allegiance.

3. ROLL CALL - SECRETARY

Attendee Name	Title	Status	Arrived
Bill Herrin	Planning Commissioner	Present	
Rufus Bright	Planning Commissioner	Present	
Rosetta Franklin	Planning Commissioner	Present	
Wanda Rollf	Planning Commissioner	Present	
Lauree Morris	Planning Commissioner	Present	
CJ Neesmith	Planning Commissioner	Present	
Gabrielle Nelson	Planning Commissioner	Present	
Brian Harvey	Director of Development Services	Present	
Melanie Ellis	Building Inspector	Present	

4. APPROVAL OF AGENDA

1. Approval of Agenda

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Rosetta Franklin, Planning Commissioner
SECONDER:	Bill Herrin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

5. ADOPTION OF MINUTES

A. Planning Commission - Regular Meeting - Jul 12, 2021 6:30 PM

RESULT:	**ACCEPTED [UNANIMOUS]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Rosetta Franklin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

6. ZONING MAP AMENDMENTS (REZONING)

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B

A. Zoning Map Amendment Application submitted by Robert L. McCorkle, III., McCorkle, Johnson & McCoy, on behalf of Thomas Lee Exley for PIN # 7-0906-01-012 (Highway 21) to Rezone from R-A (Residential Agriculture) to P-R-M (Planned Residential Multifamily) Zoning District for the purpose of a Multi-Family Apartment Development

The applicant, Robert L. McCorkle III., was present and gave a brief overview of the project and offered to answer any questions the Commission may have. Commissioner Nelson asked if City services would be able to sustain all the new residential development, traffic concerns, and school overcrowding. Mr. McCorkle responded that they do not believe that their project will overburden the City and that this project would bring in more taxes that can assist the City in acquiring more staff to support the new growth. Commissioner Morris agreed with Commissioner Nelson and stated that the Developers should consider the concerns when submitting for site plan development and the reports that are included in those submittals for review by the City engineers.
Public Comments:
-Murray Marshal spoke in favor of the application.
After the public comment section was closed, Commissioner Morris made a motion to approve the application. Commissioner Nelson seconded the motion to approve. The vote was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Lauree Morris, Planning Commissioner
SECONDER:	Gabrielle Nelson, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

B. Zoning Map Amendment Application submitted by Marc Liverman, Atlantic Coast Consulting, Inc., on behalf of Drayton-Parker Companies, LLC., for PIN # 7-0035-01-010 (Highway 21) to Rezone from P-C-3 (Planned General Business) to P-I-1 (Planned Industrial) Zoning District for the purpose of a Truck / Chassis Storage Yard

The applicant, Marc Liverman, and Zach Riddle was present to represent the application. Marc Liverman gave a brief overview of the project and offered to answer any questions the Commission may have. Commissioner Nelson asked that this would be a hub instead of a in / out operation all day. Mr. Liverman responded that was correct and that most of the clients that would use this as an overflow yard and storage. Commissioner Herrin asked what the hours of operation would be. Zach Riddle responded that it should be normal business hours and weekends. Commission Bright asked to verify the location of this project. Commissioner Rollf asked about the flow of traffic of the trucks and how the trucks will be stopped from making left turns out of the driveway. Mr. Riddle responded that in the contract / lease agreement with the users the truck drivers will be required to follow all traffic laws. Commissioner Franklin asked if the trucks would use the road through Amazon parking lot and exit onto Crossgate Road. Mr. Riddle responded that the trucks would not be allowed on that road and that is Amazon only road. Commissioner Morris asked about the traffic flow for trucks making a U-Turn at the red-light at Crossgate Road and if the light timing has been researched. Mr. Liverman responded that in the traffic impact assessment did not show that this facility would impact that light and that any trucks turning left into the facility would use the existing curb cut on Highway 21. There were no public comments. Commissioner Herrin made a motion to approve the application. Commissioner Bright seconded the motion to approve. Commissioners Herrin, Bright, Franklin, Rollf, Nelson voted to approve. Commissioner Morris vote could not be heard due to technical issues.

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B

RESULT:	**APPROVED [5 TO 0]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Rufus Bright, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Nelson
AWAY:	Morris

7. ZONING TEXT AMENDMENTS (ORDINANCES)

8. SITE PLAN/SUBDIVISION APPROVAL

A. Site Plan Review Application submitted by NGI Acquisitions, LLC., on behalf of Tom Exley for PIN # 7-0907-01-003 (Highway 21) for a General Development Site Plan to allow a Multifamily Apartment Complex (Novare) in a P-RIP (Planned Residential Institutional) Zoning District

Scott Monson and Kenny Bud was present on behalf of the applicant. Mr. Monson gave an overview of the project and offered to answer any questions the Commission may have. Commissioner Herrin expressed traffic concerns on Highway 21 and how the traffic flow for the complex would be handled, what the value / rent would be for the homes, and if there would be a berm between the project and Pine Forest Subdivision. Mr. Monson responded that the entrance / exit would be approved by GDOT and there is a 50-foot vegetative buffer. Kenny Bud responded that the rent currently ranges between $1300-$1800.
Public Comments:
-Per Brian Harvey - Sylvia Hinley 1 Lanvale Street contacted the Development Services Office to inform that she is against the development.
After the public comment section was closed, Commissioner Rollf made a motion to Approved the application. Commissioner Bright seconded the motion to approve. Commissioners Bright, Rollf, Nelson voted Yes. Commissioners Herrin and Franklin voted No. Commissioner Morris vote could not be heard due to technical issues.

RESULT:	**APPROVED [3 TO 2]**
MOVER:	Wanda Rollf, Planning Commissioner
SECONDER:	Rufus Bright, Planning Commissioner
AYES:	Bright, Rollf, Nelson
NAYS:	Herrin, Franklin
AWAY:	Morris

B. Site Plan Review Application submitted by Ray Pittman, Pittman Engineering, on behalf of Third Lake Development, LLC., for PIN # 7-0906-04-091 (Rice Hope Rd) for a General Development Site Plan to allow a Multifamily Development (The Cottages at Rice Hope Plantation) in a M-P-O (Master Plan Overlay) Zoning District

The applicant, Ray Pittman, was present and gave a brief overview of the project and offered to answer any questions the commission may have. Scott DeCain was also present. Commissioner Nelson asked if City services would be able to sustain all the new residential development, traffic concerns, and school overcrowding. Mr. Pittman responded that the when the original master plan was developed all the infrastructure was took into account and that the overall amount of lots would be less than the original master plan allowed. Commissioner Bright asked about additional traffic lights and traffic concerns. Mr. Pittman stated that no traffic lights have been planned with the additional units due to that all of those concerns were addressed in the original master plan. Commissioner Rollf asked what the average number of cars per unit and if there was enough parking provided. Mr. Pittman responded that for this development there is a minimum of two parking spaces per unit. Commissioner Morris liked that this concept plan showed several areas of greenspace, and she believes the development will be very

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B

nice. Commissioner Rollf asked why these homes are for rent instead of building homes for purchase. Scott DeCain responded the Rice Hope community does have for-sale homes in future development plans.
Public Comments:
-Christine Stewart, 504 Rice Hope Plantation Road, spoke against the application due to traffic concerns and trash services.
-Madeline Quinones, 114 Parkside Blvd, spoke against the application due to traffic concerns, on-street parking, and emergency vehicle access.
-Cortrice Jackson, 305 Lakeside Blvd, spoke against the application due traffic, trash, internet capabilities.
-Gary Conway, 403 Lakeside Blvd, asked where the entrance for the plan was located.
After the public comment section was closed, Commissioner Bright made a motion to approve the application. Commissioner Rollf seconded the motion to approve. Commissioners Herrin, Bright, Franklin, Rollf, Nelson voted to approve. Commissioner Morris vote could not be heard due to technical issues.

RESULT:	**APPROVED [5 TO 0]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Wanda Rollf, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Nelson
AWAY:	Morris

C. Site Plan Review Application submitted by D.R. Horton on behalf of Bald Eagle Partners for PIN #'s 7-0906-04-041, 7-0906-04-042, 7-0906-04-054, 7-0906-04-063 (Lakeside Blvd) for a General Development Site Plan to allow a Residential Development (Lakeside Phases 20-30) in a M-P-O (Master Plan Overlay) Zoning District

Garrison Bryant was present on behalf of the applicant. Mr. Bryant gave a brief overview of the project and offered to answer any questions the commission may have. Commissioner Nelson asked to confirm that these homes were for purchase and not for rent. Chairman Neesmith stated that yes, they were for-sale homes. Commissioner Bright asked where these were located and if they were 3- or 4-bedroom homes. Mr. Bryant responded that they were off of Lakeside Blvd and there would be a variety of types of homes and that the majority would be for-sale and a small percentage would be for-rent.
Public Comments:
-Alfonso Ribot, 17 Wild Silk Way, asked if the HOA would be the same for the new development as the rest of Rice Hope. Mr. Decain responded that it has not been determined yet.
-Ponda Showalter, 313 Lakeside Blvd, asked what the traffic flow for the construction would be. Mr. Decain responded that he is not responsible for the construction traffic.
-Gary Conway, 403 Lakeside Blvd, asked if there would be any other access points other than Lakeside Blvd and Mulberry Blvd. Mr. DeCain responded no.
-Madeline Quinones, 114 Parkside Blvd, asked how many rentals and how many for-sale. Mr. DeCain responded about 25% for-rent and 75% for-sale.
After the public comment section was closed, Commissioner Bright voted to approve the application. Commissioner Morris seconded the motion to approve. The vote to approve was unanimous.

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Lauree Morris, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

D. Site Plan Review Application submitted by Neil McKenzie, Coleman Company Inc., of behalf of LMS Real Estate Investment Management, LLC., for PIN # 7-0975-01-025 Tract B (Highway 21 / Jeffers Rd) for a Specific Development Site Plan to allow a Multi-Family Residential Development (LMS Cottages) in a P-R-M (Planned Residential Multifamily) Zoning District

The applicant, Neil McKenzie, was present. Mr. McKenzie gave an overview of the project and offered to answer any questions the Commission may have. Commissioner Bright asked which residents that they talked to about the project. Mr. McKenzie responded that there were two neighborhood meetings at the City Hall Council Chambers and both meetings were well attended. Commissioner Nelson asked about the Saussy Road improvements. Mr. McKenzie responded that the Developers would rebuild and widen Saussy Road up to the entrance of the development, which would include a dedicated right and left turn lane, and then they would mill and overlay Saussy Road up to Grant Road.
Public Comments:
-LaRay Benton, 135 Saussy Road, spoke against the applicant, stating stormwater and flooding concerns.
After the public comment section was closed, Commissioner Herrin made a motion to approve. Commissioner Rollf seconded the motion to approve. The vote to approve was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Wanda Rollf, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

E. Subdivision Application submitted by David Dowdy, Jackson Surveying, Inc., on behalf of Shay Anam, LLC., for a portion of PIN # 7-0037-02-004 (Magellan Blvd) located in a P-C-3 (Planned General Business) Zoning District for a Final Plat of a Minor Subdivision (Parcel 3, Former Broadman Tract) for the purpose of a Hotel Development

No one was present for the application. There were no public comments.
Commissioner Franklin made a motion to approve. Commissioner Nelson seconded the motion to approve. The vote was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rosetta Franklin, Planning Commissioner
SECONDER:	Gabrielle Nelson, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

F. Subdivision Application submitted by Ray Pittman, Pittman Engineering, Co., on behalf of Bald Eagle Partners for PIN # 7-0906-04-069 (Hickory Street) located in a M-P-O (Master Plan Overlay) Zoning District for a Preliminary Plat of a Major Subdivision (Parkside at Rice Hope Phases B & C) for the purpose of Single-Family Homes

The applicant, Ray Pittman, was present. Mr. Pittman gave a brief overview of the project and offered to answer any questions the Commission may have. There were no questions from the Commission.
Public Comments:

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B

-Madeline Quinones, 114 Parkside Blvd, asked who the builder was for these homes and spoke against the application. Mr. Pittman responded that he was not sure of who the builder was.
After the public comment section was closed, Commissioner Bright made a motion to approve the application. Commissioner Morris seconded the motion to approve. The vote to approve was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Lauree Morris, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

9. NEW BUSINESS

10. ADJOURNMENT

A. Adjournment

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Bill Herrin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

_____
Chairman

The foregoing minutes are true and correct and approved by me on this _____ day of _____, 2021.

_____
Secretary

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2511 : Site Plan Review Application (Specific) 7-0975-01-025 Tract B

City Council
7224 GA Highway 21
Port Wentworth, GA 31407

SCHEDULED

Meeting: 09/23/21 12:00 AM
Department: Development Services
Category: Planning/Zoning Item
Prepared By: Melanie Ellis
Department Head: Brian Harvey

AGENDA ITEM (ID # 2510)

DOC ID: 2510

Subdivision Application submitted by Ray Pittman, Pittman Engineering, Co., on behalf of Bald Eagle Partners for PIN # 7-0906-04-069 (Hickory Street) located in a M-P-O (Master Plan Overlay) Zoning District for a Preliminary Plat of a Major Subdivision (Parkside at Rice Hope Phases B & C) for the purpose of Single-Family Homes

Issue/Item: Subdivision Application submitted by Ray Pittman, Pittman Engineering, Co., on behalf of Bald Eagle Partners for PIN # 7-0906-04-069 (Hickory Street) located in a M-P-O (Master Plan Overlay) Zoning District for a Preliminary Plat of a Major Subdivision (Parkside at Rice Hope Phases B & C) for the purpose of Single-Family Homes

Background: This is the Preliminary Plat submittal for Parkside Phases B & C of the Rice Hope Subdivision. Parkside Phases B & C includes sixty-nine (69) single family lots on approximately 12.3 Acres.

Facts and Findings: The application appears to be complete. The Subdivision will be connected to City water and sewer utilities and will include the extension of Oak Way and Cypress Loop. The application is currently under review by the City engineers, Thomas & Hutton.

Funding: N/A

Recommendation: The Planning Commission will hear this application on Monday, September 13, 2021. **/ UPDATE: THE PLANNING COMMISSION VOTED UNANIMOUSLY TO APPROVE THE APPLICATION.**

ATTACHMENTS:

- PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Application (PDF)
- PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Prelim Plat (PDF)
- PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (PDF)
- PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Land Disturbing Application (PDF)
- PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - CCS Worksheets 8.1.21 (PDF)
- PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - CCS Exhibit 8.1.21 (PDF)
- PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Water and Wastewater Cals (PDF)
- PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Exhibits (PDF)
- PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Report 6.1.21 (PDF)
- PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Hydrology Report (PDF)
- PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Pipe Sizing Sheet 6.17.21 (PDF)
- PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Post Lagoon Basin (PDF)
- PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Sampling Location Map (PDF)
- PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - 1st Comment Letter T&H 9.14.21 (PDF)
- PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Timeline (DOCX)

- Planning Commission Minutes September 13, 2021 DRAFT (PDF)

210314

RECEIVED
AUG 16 2021
BY: MBC

SUBDIVISION APPLICATION FORM
FOR THE
CITY OF PORT WENTWORTH

Application Form Required

This application form is to accompany **all** subdivisions submitted for Port Wentworth Planning Commission review and i to be filled out in its **entirety**. Plats/subdivisions not accompanied by this application will not be accepted for processing. All subdivisions with their completed applications must be received by the City of Port Wentworth at least 20 business days prior to the Planning Commission meeting at which they are to be considered. Revisions to a subdivision under review by the Port Wentworth Planning Commission must be received 10 business days prior to the Port Wentworth Planning Commission at which each subdivision is scheduled to be heard.

Subdivision Name: RICE HOPE, PARKSIDE PHASE B & C

Location: 0 HICKORY STREET, RICE HOPE PLANTATION

Number of Lots: 69 Number of Acres: 12.3 ACRES

PIN #: 70906 04069 Current Zoning: M-P-O

Type of Subdivision: **(Check applicable blanks from each column)**

A.
- ____ Sketch Plan
- ____ Master Plan
- X Preliminary Plat
- ____ Final Plat
- ____ Revision to a Recorded Plat

B.
- ✓ Major Subdivision (4 or more lots or a new road)
- ____ Minor Subdivision (3 or less lots & no new road)

Purpose of Subdivision:

- ✓ Single-Family
- ____ Multi-Family
- ____ Retail
- ____ Other Business
- ____ Industrial
- ____ Institutional
- ____ Other
- ____ Sign

Variances: **(List all variances being requested)**

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Application (2510 : Subdivision Application Parkside Ph

Georgia DOT Review

In all applications in which property being subdivided lies along a State Highway or access is needed from a State Highway, all applicants are required to submit a plat to the Georgia Department of Transportation for review. The subdivision application will not be considered by the Port Wentworth Planning Commission until the Georgia Department of Transportation has commented on the subdivision. The comments must accompany the application.

Previous Submittal

Has this tract of land being proposed for subdividing been submitted to the Port Wentworth Planning Commission unde a different subdivision name?

Yes _____ No X

If yes, what name? _____

Date Submitted: _____ PWPC File No: _____

Number of Required Prints

All submittals, regardless of type, shall include fifteen (15) prints. **Final Plats must include a copy of the plat scanned to a CD along with the fifteen (15) printed copies. Stamp must be in contrasting ink.**

Statements as to Covenants/Deed Restrictions: (Check One)

_____ A copy of all existing deed restrictions or subdivision covenants applicable to this property are attached.

X There are no added restrictions or subdivision covenants on this property.

Contact Person (s): (Type or Print Legibly)

Engineer/Surveyor: PITTMAN ENGINEERING CO

Address: P.O. 822 RICHMOND HILL, GA Zip Code: 31324

Phone #: 912-662-4000 Fax #: _____

Owner: PAUL LARNER

Address: 3071 SLATE MILLS ROAD Zip Code: _____

Phone #: 540-987-3164 Fax #: _____

Date of Submittal: PLARNER2003@HOTMAIL.COM

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Application (2510 : Subdivision Application Parkside Ph

Please list all property owners that are adjacent to the parcel to be subdivided including those across the public right-of-way:

SEE ATTACHED

Certifications

1. RP I hereby certify that this proposed subdivision/plan does not violate any covenants or deed restrictions currentl in effect for the property being subdivided.

2. I hereby certify that all taxes applicable to this property have been paid and that there are no delinquent taxes outstanding.

3. RP I hereby certify that I am the ~~owner~~ APPLICANT of the property being proposed for subdivision.

4. RP I hereby certify that all the information pertained in this application is true and correct.

Ray Pitts

Signature of ~~Owner~~ APPLICANT

Comments: Place any pertinent comments you wish to make in the following space:

Submit this form along with the proposed subdivision and any accompanying information to:

CITY OF PORT WENTWORTH
7306 HIGHWAY 21, SUITE 301
PORT WENTWORTH, GEORGIA 31407

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Application (2510 : Subdivision Application Parkside Ph

CITY OF PORT WENTWORTH
(912) 964-4379

REC#: 00324148 8/19/2021 3:05 PM
OPER: ME TERM: 011
REF#: CK 2193

TRAN: 112.0000 BLDG PERMIT
210314 3,916.00CR
BEP RICE HOPE LLC
7-0906-04-069
I-SUBDIV 3,916.00CR

TENDERED: 3,916.00 CHECK
APPLIED: 3,916.00-

CHANGE: 0.00

WWW.CITYOFPORTWENTWORTH.COM

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Application (2510 : Subdivision Application Parkside Ph

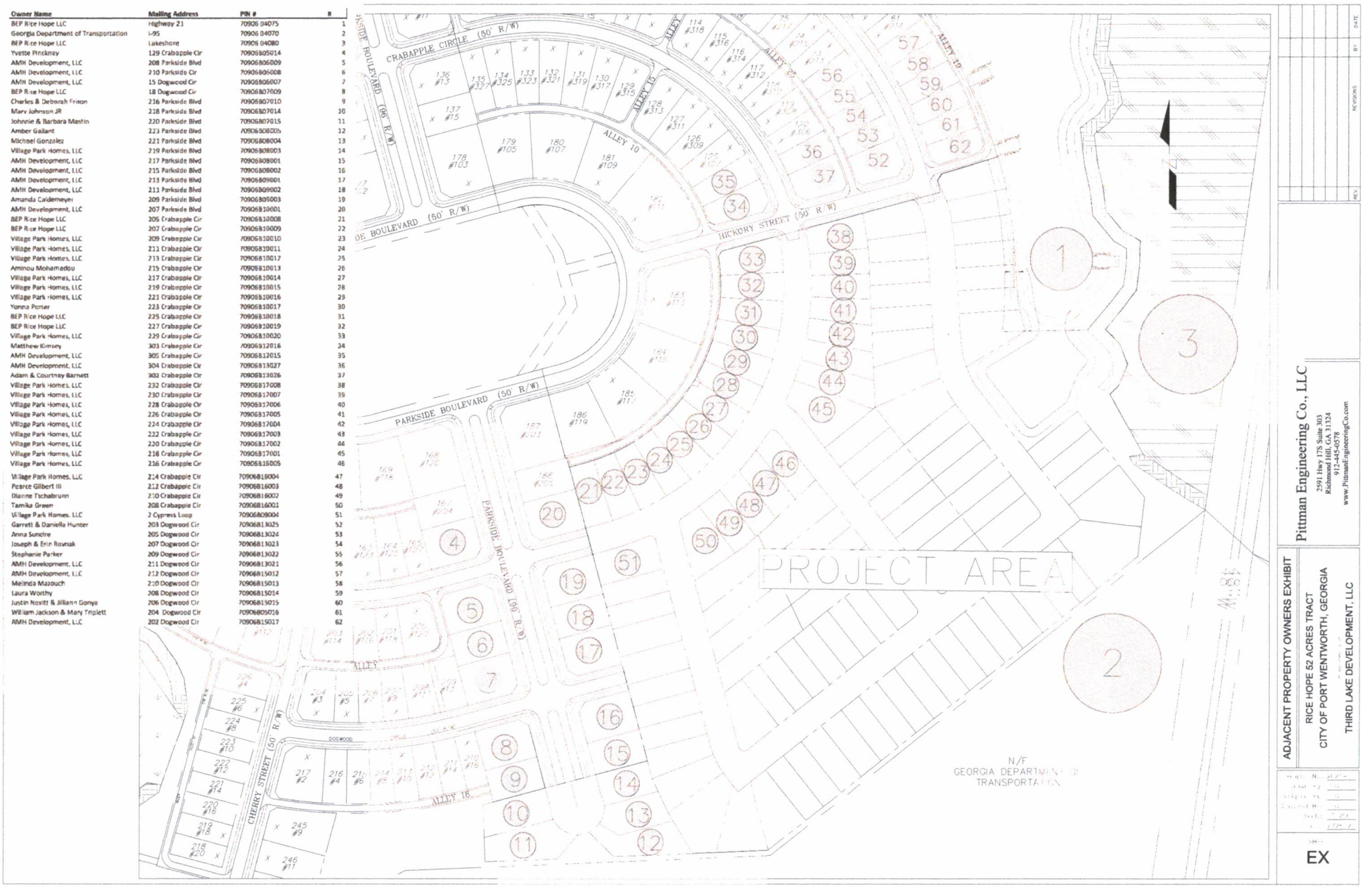
Owner Name	Mailing Address	PIN #	#
BEP Rice Hope LLC	Highway 21, Port Wentworth GA, 31407	70906 04075	1
Georgia Department of Transportation	I-95, Port Wentworth GA, 31407	70906 04070	2
BEP Rice Hope LLC	Lakeshore, Port Wentworth GA, 31407	70906 04080	3
Yvette Pinckney	129 Crabapple Cir, Port Wentworth GA, 31407	70906B05014	4
AMH Development, LLC	208 Parkside Blvd, Port Wentworth GA, 31407	70906B06009	5
AMH Development, LLC	210 Parkside Cir, Port Wentworth GA, 31407	70906B06008	6
AMH Development, LLC	15 Dogwood Cir, Port Wentworth GA, 31407	70906B06007	7
BEP Rice Hope LLC	18 Dogwood Cir, Port Wentworth GA, 31407	70906B07009	8
Charles & Deborah Frison	216 Parkside Blvd, Port Wentworth GA, 31407	70906B07010	9
Marv Johnson JR	218 Parkside Blvd, Port Wentworth GA, 31407	70906B07014	10
Johnnie & Barbara Mastin	220 Parkside Blvd, Port Wentworth GA, 31407	70906B07015	11
Amber Gallant	223 Parkside Blvd, Port Wentworth GA, 31407	70906B08005	12
Michael Gonzalez	221 Parkside Blvd, Port Wentworth GA, 31407	70906B08004	13
Village Park Homes, LLC	219 Parkside Blvd, Port Wentworth GA, 31407	70906B08003	14
AMH Development, LLC	217 Parkside Blvd, Port Wentworth GA, 31407	70906B08001	15
AMH Development, LLC	215 Parkside Blvd, Port Wentworth GA, 31407	70906B08002	16
AMH Development, LLC	213 Parkside Blvd, Port Wentworth GA, 31407	70906B09001	17
AMH Development, LLC	211 Parkside Blvd, Port Wentworth GA, 31407	70906B09002	18
Amanda Caldemeyer	209 Parkside Blvd, Port Wentworth GA, 31407	70906B09003	19
AMH Development, LLC	207 Parkside Blvd, Port Wentworth GA, 31407	70906B10001	20
BEP Rice Hope LLC	205 Crabapple Cir, Port Wentworth GA, 31407	70906B10008	21
BEP Rice Hope LLC	207 Crabapple Cir, Port Wentworth GA, 31407	70906B10009	22
Village Park Homes, LLC	209 Crabapple Cir, Port Wentworth GA, 31407	70906B10010	23
Village Park Homes, LLC	211 Crabapple Cir, Port Wentworth GA, 31407	70906B10011	24
Village Park Homes, LLC	213 Crabapple Cir, Port Wentworth GA, 31407	70906B10012	25
Aminou Mohamadou	215 Crabapple Cir, Port Wentworth GA, 31407	70906B10013	26
Village Park Homes, LLC	217 Crabapple Cir, Port Wentworth GA, 31407	70906B10014	27
Village Park Homes, LLC	219 Crabapple Cir, Port Wentworth GA, 31407	70906B10015	28
Village Park Homes, LLC	221 Crabapple Cir, Port Wentworth GA, 31407	70906B10016	29
Yonna Porter	223 Crabapple Cir, Port Wentworth GA, 31407	70906B10017	30
BEP Rice Hope LLC	225 Crabapple Cir, Port Wentworth GA, 31407	70906B10018	31
BEP Rice Hope LLC	227 Crabapple Cir, Port Wentworth GA, 31407	70906B10019	32
Village Park Homes, LLC	229 Crabapple Cir, Port Wentworth GA, 31407	70906B10020	33

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Application (2510

Matthew Kimsey	303 Crabapple Cir, Port Wentworth GA, 31407	70906B12016	34
AMH Development, LLC	305 Crabapple Cir, Port Wentworth GA, 31407	70906B12015	35
AMH Development, LLC	304 Crabapple Cir, Port Wentworth GA, 31407	70906B13027	36
Adam & Courtney Barnett	302 Crabapple Cir, Port Wentworth GA, 31407	70906B13026	37
Village Park Homes, LLC	232 Crabapple Cir, Port Wentworth GA, 31407	70906B17008	38
Village Park Homes, LLC	230 Crabapple Cir, Port Wentworth GA, 31407	70906B17007	39
Village Park Homes, LLC	228 Crabapple Cir, Port Wentworth GA, 31407	70906B17006	40
Village Park Homes, LLC	226 Crabapple Cir, Port Wentworth GA, 31407	70906B17005	41
Village Park Homes, LLC	224 Crabapple Cir, Port Wentworth GA, 31407	70906B17004	42
Village Park Homes, LLC	222 Crabapple Cir, Port Wentworth GA, 31407	70906B17003	43
Village Park Homes, LLC	220 Crabapple Cir, Port Wentworth GA, 31407	70906B17002	44
Village Park Homes, LLC	218 Crabapple Cir, Port Wentworth GA, 31407	70906B17001	45
Village Park Homes, LLC	216 Crabapple Cir, Port Wentworth GA, 31407	70906B16005	46
Village Park Homes, LLC	214 Crabapple Cir, Port Wentworth GA, 31407	70906B16004	47
Pearce Gilbert III	212 Crabapple Cir, Port Wentworth GA, 31407	70906B16003	48
Dianne Tschabrunn	210 Crabapple Cir, Port Wentworth GA, 31407	70906B16002	49
Tamika Green	208 Crabapple Cir, Port Wentworth GA, 31407	70906B16001	50
Village Park Homes. LLC	2 Cypress Loop, Port Wentworth GA, 31407	70906B09004	51
Garrett & Daniella Hunter	203 Dogwood Cir, Port Wentworth GA, 31407	70906B13025	52
Anna Suncire	205 Dogwood Cir, Port Wentworth GA, 31407	70906B13024	53
Joseph & Erin Rovnak	207 Dogwood Cir, Port Wentworth GA, 31407	70906B13023	54
Stephanie Parker	209 Dogwood Cir, Port Wentworth GA, 31407	70906B13022	55
AMH Development, LLC	211 Dogwood Cir, Port Wentworth GA, 31407	70906B13021	56
AMH Development, LLC	212 Dogwood Cir, Port Wentworth GA, 31407	70906B15012	57
Melinda Mazouch	210 Dogwood Cir, Port Wentworth GA, 31407	70906B15013	58
Laura Worthy	208 Dogwood Cir, Port Wentworth GA, 31407	70906B15014	59
Justin Nevitt & Jilliann Gonya	206 Dogwood Cir, Port Wentworth GA, 31407	70906B15015	60
William Jackson & Mary Triplett	204 Dogwood Cir, Port Wentworth GA, 31407	70906B05016	61
AMH Development, LLC	202 Dogwood Cir, Port Wentworth GA, 31407	70906B15017	62

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Application (2510

Owner Name	Mailing Address	PIN #	#
BEP Rice Hope LLC	Highway 21	70906 04075	1
Georgia Department of Transportation	I-95	70906 04070	2
BEP Rice Hope LLC	Lakeshore	70906 04080	3
Yvette Pinckney	129 Crabapple Cir	70906805014	4
AMH Development, LLC	208 Parkside Blvd	70906806009	5
AMH Development, LLC	210 Parkside Cir	70906806008	6
AMH Development, LLC	15 Dogwood Cir	70906806007	7
BEP Rice Hope LLC	18 Dogwood Cir	70906807009	8
Charles & Deborah Frison	216 Parkside Blvd	70906807010	9
Mary Johnson JR	218 Parkside Blvd	70906807014	10
Johnnie & Barbara Martin	220 Parkside Blvd	70906807015	11
Amber Gallant	223 Parkside Blvd	70906808005	12
Michael Gonzalez	221 Parkside Blvd	70906808004	13
Village Park Homes, LLC	219 Parkside Blvd	70906808003	14
AMH Development, LLC	217 Parkside Blvd	70906808001	15
AMH Development, LLC	215 Parkside Blvd	70906808002	16
AMH Development, LLC	213 Parkside Blvd	70906809001	17
AMH Development, LLC	211 Parkside Blvd	70906809002	18
Amanda Caldemeyer	209 Parkside Blvd	70906809003	19
AMH Development, LLC	207 Parkside Blvd	70906810001	20
BEP Rice Hope LLC	205 Crabapple Cir	70906810008	21
BEP Rice Hope LLC	207 Crabapple Cir	70906810009	22
Village Park Homes, LLC	209 Crabapple Cir	70906810010	23
Village Park Homes, LLC	211 Crabapple Cir	70906810011	24
Village Park Homes, LLC	213 Crabapple Cir	70906810012	25
Aminou Mohamadou	215 Crabapple Cir	70906810013	26
Village Park Homes, LLC	217 Crabapple Cir	70906810014	27
Village Park Homes, LLC	219 Crabapple Cir	70906810015	28
Village Park Homes, LLC	221 Crabapple Cir	70906810016	29
Yonna Porter	223 Crabapple Cir	70906810017	30
BEP Rice Hope LLC	225 Crabapple Cir	70906810018	31
BEP Rice Hope LLC	227 Crabapple Cir	70906810019	32
Village Park Homes, LLC	229 Crabapple Cir	70906810020	33
Matthew Kimsey	303 Crabapple Cir	70906812016	34
AMH Development, LLC	305 Crabapple Cir	70906812015	35
AMH Development, LLC	304 Crabapple Cir	70906813027	36
Adam & Courtney Barnett	302 Crabapple Cir	70906813026	37
Village Park Homes, LLC	232 Crabapple Cir	70906817008	38
Village Park Homes, LLC	230 Crabapple Cir	70906817007	39
Village Park Homes, LLC	228 Crabapple Cir	70906817006	40
Village Park Homes, LLC	226 Crabapple Cir	70906817005	41
Village Park Homes, LLC	224 Crabapple Cir	70906817004	42
Village Park Homes, LLC	222 Crabapple Cir	70906817003	43
Village Park Homes, LLC	220 Crabapple Cir	70906817002	44
Village Park Homes, LLC	218 Crabapple Cir	70906817001	45
Village Park Homes, LLC	216 Crabapple Cir	70906816005	46
Village Park Homes, LLC	214 Crabapple Cir	70906816004	47
Pearce Gilbert III	212 Crabapple Cir	70906816003	48
Dianne Tschabrunn	210 Crabapple Cir	70906816002	49
Tamika Green	208 Crabapple Cir	70906816001	50
Village Park Homes, LLC	2 Cypress Loop	70906809004	51
Garrett & Daniella Hunter	203 Dogwood Cir	70906813025	52
Anna Sumcire	205 Dogwood Cir	70906813024	53
Joseph & Erin Rovnak	207 Dogwood Cir	70906813023	54
Stephanie Parker	209 Dogwood Cir	70906813022	55
AMH Development, LLC	211 Dogwood Cir	70906813021	56
AMH Development, LLC	212 Dogwood Cir	70906815012	57
Melinda Mazouch	210 Dogwood Cir	70906815013	58
Laura Worthy	208 Dogwood Cir	70906815014	59
Justin Nevitt & Jillian Gonya	206 Dogwood Cir	70906815015	60
William Jackson & Mary Triplett	204 Dogwood Cir	70906805016	61
AMH Development, LLC	202 Dogwood Cir	70906815017	62



ADJACENT PROPERTY OWNERS EXHIBIT

RICE HOPE 62 ACRES TRACT
CITY OF PORT WENTWORTH, GEORGIA

THIRD LAKE DEVELOPMENT, LLC

Pittman Engineering Co., LLC
2591 Hwy 175 Suite 303
Richmond Hill, GA 31324
912-445-4078
www.PittmanEngineeringCo.com

REVISIONS | BY | DATE

EX

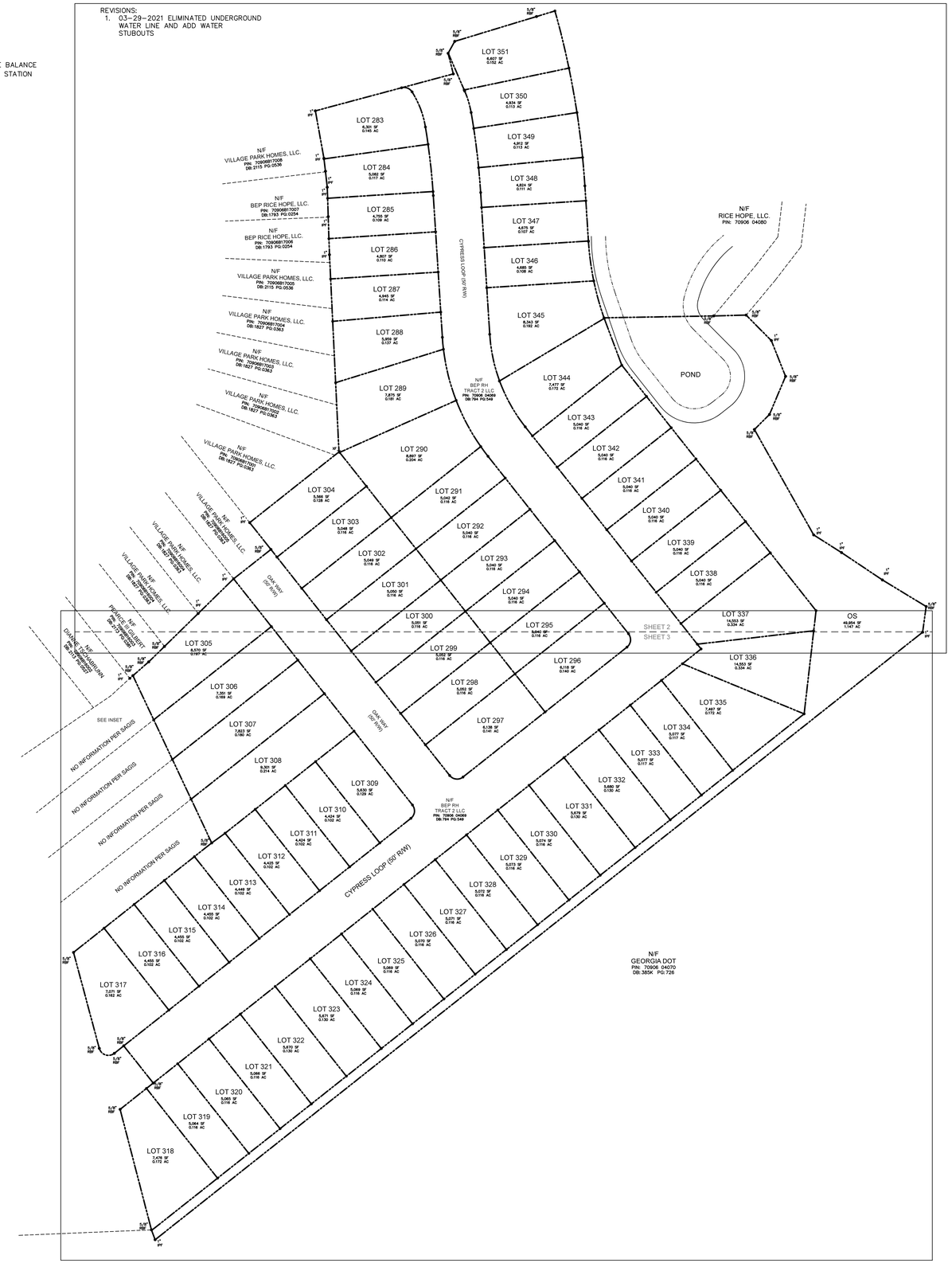
Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Application

THIS BLOCK RESERVED FOR THE CLERK OF SUPERIOR COURT.

SURVEY DATA

TOTAL AREA:	12.014 ACRES
ERROR OF PLAT CLOSURE:	1 IN 149,538
ERROR OF FIELD CLOSURE:	1 IN 114,735
ANGULAR ERROR:	0.7" PER ANGLE POINT
ADJUSTED BY:	COMPASS RULE WITH ANGLE BALANCE
EQUIPMENT USED:	TOPCON PS ROBOTIC TOTAL STATION
FIELD WORK COMPLETED ON:	02-12-21

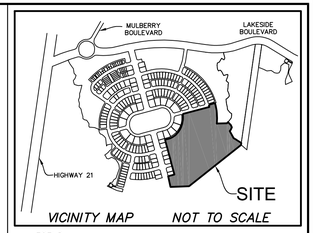
REVISIONS:
1. 03-29-2021 ELIMINATED UNDERGROUND WATER LINE AND ADD WATER STUBOUTS



NORTH
GA GRID (NAD 83)
EAST ZONE

ACREAGE CHART

LOTS(69):	388,548 SF	8.920 AC
OPEN SPACE:	49,954 SF	1.147 AC
RIGHT OF WAY:	84,807 SF	1.947 AC
TOTAL:	523,309 SF	12.014 AC



VICINITY MAP NOT TO SCALE

LEGEND

CMF	■	CONC. MONUMENT FOUND
IPF	●	IRON PIPE FOUND
IPFD	●	IRON PIPE FOUND DISTURBED
RBS	O	5/8" IRON REBAR SET
XF	X	SCRIBED X FOUND

NOTES

1. THIS PARCEL APPEARS TO LIE IN FLOOD ZONE X, FIRM PANEL 0030-C COMMUNITY 130051C.
2. HORIZONTAL DATUM IS GEORGIA EAST GRID (NAD 83).
3. ALL STORM EASEMENT RUN TAGS ARE IN NUMERICAL ORDER, BEGINNING AT THE LOWEST NUMBER (ALSO THE NORTHING/EASTING CALL OUT) FOR EACH SECTION OF EASEMENT. EASEMENT TABLE TAGS ARE PRECEDED BY "E".
4. THERE IS A 15' UTILITY EASEMENT AT THE FRONT OF EACH LOT.
5. UNLESS OTHERWISE SHOWN ON THIS PLAT, BUILDING SETBACKS ARE AS FOLLOWS: FRONT-15', SIDE-5', & REAR-10'.

REFERENCES

1. PB: 28P PG: 55
2. PB: 36S PG: 54
3. PB: 52 PG: 215
4. DB: 794 PG: 549

60 30 0 60 120
GRAPHIC SCALE (1"=60')

PREPARED FOR:
PITTMAN ENGINEERING, CO.

A SUBDIVISION PLAT OF

RICE HOPE PARKSIDE,
PHASES B & C.

PIN ID: 70906-04069
8TH G.M.D.
THE CITY OF PORT WENTWORTH
CHATHAM COUNTY, GEORGIA

FIELD WORK:	JLG
FIELD CHECK:	CJB
DRAWN BY:	KWF
DATE:	08-25-2021
SCALE:	1"=60'
PROJECT No.:	BFT-21055
FILE:	BFT-21055 SUB1.DWG

SHEET 1 OF 3

ATLAS SURVEYING, INC.
49 BROWN'S COVE ROAD, SUITE #5
RIDGELAND, SC 29936
PHONE: (843) 645-9277
WEBSITE: WWW.ATLASSURVEYING.COM

GEORGIA ATLAS SURVEYING BFT,LLC. No. SF001282 CERTIFICATE OF AUTHORIZATION

GEORGIA PROFESSIONAL No. 3372 LAND SURVEYOR COLIN JESSE BEARDEN

AS REQUIRED BY SUBSECTION (d) OF O.C.G.A. SECTION 15-6-67, THIS PLAT HAS BEEN PREPARED BY A LAND SURVEYOR AND APPROVED BY ALL APPLICABLE LOCAL JURISDICTIONS FOR RECORDING AS EVIDENCED BY APPROVAL CERTIFICATES, SIGNATURES, STAMPS, OR STATEMENTS HEREON. SUCH APPROVALS OR AFFIRMATIONS SHOULD BE CONFIRMED WITH THE APPROPRIATE GOVERNMENTAL BODIES BY ANY PURCHASER OR USER OF THIS PLAT AS TO INTENDED USE OF ANY PARCEL. FURTHERMORE, THE UNDERSIGNED LAND SURVEYOR CERTIFIES THAT THIS PLAT COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN THE RULES AND REGULATIONS OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN O.C.G.A. SECTION 15-6-67.

PRELIMINARY DRAFT

COLIN J. BEARDEN
GA.P.L.S. No. LS003372

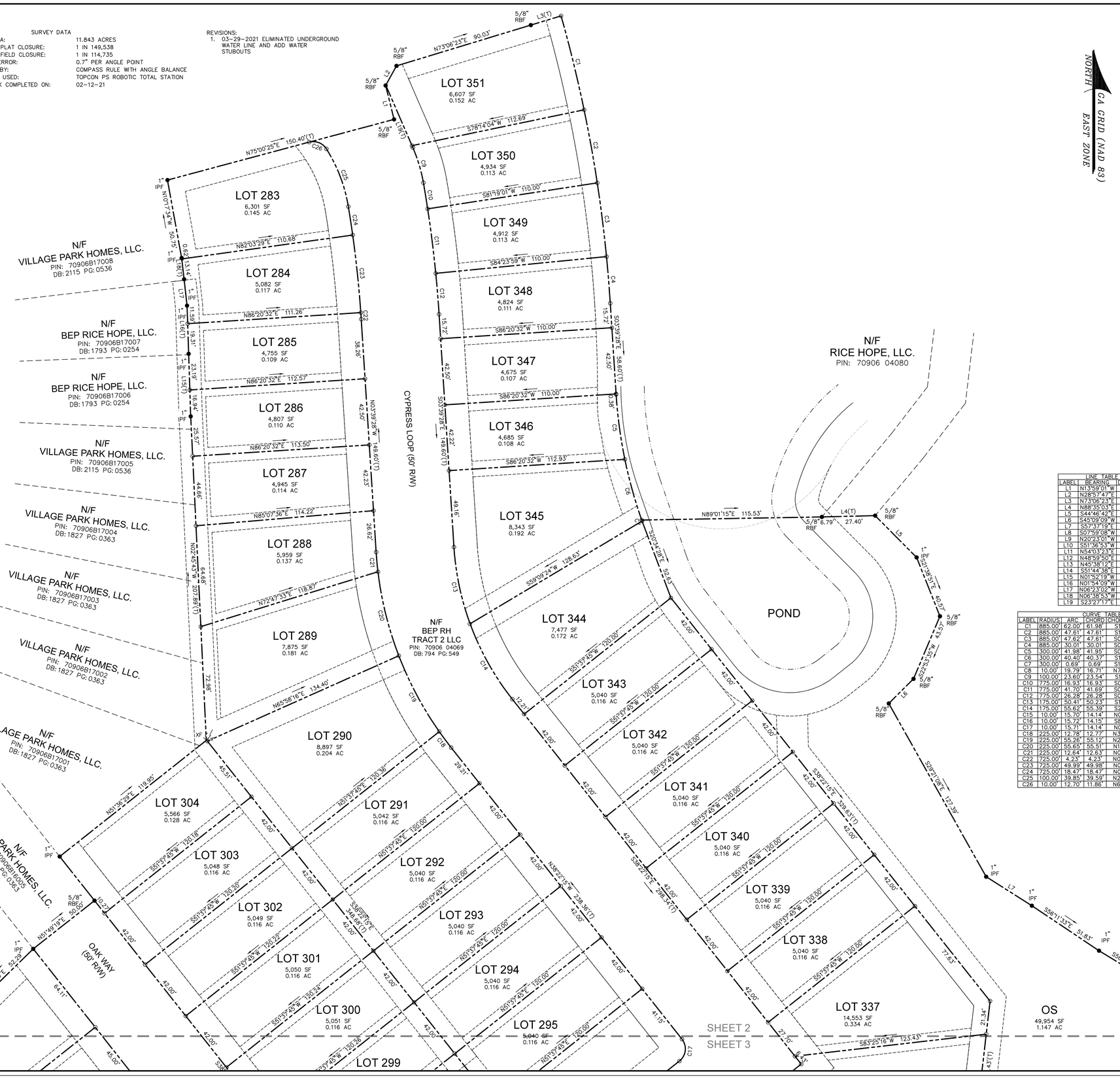
Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Prelim Plat (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)

THIS BLOCK RESERVED FOR THE CLERK OF SUPERIOR COURT.

SURVEY DATA

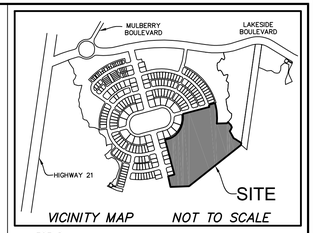
TOTAL AREA:	11.843 ACRES
ERROR OF PLAT CLOSURE:	1 IN 149,538
ERROR OF FIELD CLOSURE:	1 IN 114,735
ANGULAR ERROR:	0.7" PER ANGLE POINT
ADJUSTED BY:	COMPASS RULE WITH ANGLE BALANCE
EQUPIMENT USED:	TOPCON PS ROBOTIC TOTAL STATION
FIELD WORK COMPLETED ON:	02-12-21

REVISIONS:
1. 03-29-2021 ELIMINATED UNDERGROUND WATER LINE AND ADD WATER STUBOUTS



LINE TABLE		
LABEL	BEARING	DISTANCE
L1	N13°59'01"W	22.39'
L2	N28°57'47"E	14.36'
L3	N73°06'23"E	20.26'
L4	N88°35'03"E	34.19'
L5	S44°46'42"E	37.73'
L6	S45°09'09"W	22.39'
L7	S57°37'19"E	34.69'
L8	S07°59'08"W	27.28'
L9	N20°23'01"W	11.06'
L10	S51°36'53"W	12.65'
L11	N54°03'23"E	17.37'
L12	N48°59'50"E	22.05'
L13	N45°38'12"E	23.18'
L14	S51°44'38"E	0.86'
L15	N01°52'19"W	40.13'
L16	N01°54'09"W	30.90'
L17	N06°23'02"W	16.99'
L18	N06°38'53"W	13.76'
L19	S23°27'17"E	43.58'

CURVE TABLE				
LABEL	RADIUS	ARC	CHORD	CHORD BEARING	DELTA
C1	885.00'	62.00'	61.98'	S1°34'21"E	4°00'49"
C2	885.00'	47.61'	47.61'	S1°01'3"28"E	3°04'57"
C3	885.00'	47.62'	47.61'	S07°08'30"E	3°04'58"
C4	885.00'	30.01'	30.01'	S04°37'44"E	1°56'34"
C5	300.00'	41.98'	41.95'	S07°40'00"E	8°01'04"
C6	300.00'	40.40'	40.37'	S15°32'01"E	7°42'58"
C7	300.00'	0.69'	0.69'	S19°27'26"E	0°07'52"
C8	10.00'	19.79'	16.71'	N71°42'00"W	113°22'15"
C9	100.00'	23.60'	23.54'	S16°41'41"E	13°31'12"
C10	775.00'	16.93'	16.93'	S09°18'12"E	1°15'06"
C11	775.00'	41.70'	41.69'	S07°08'30"E	3°04'58"
C12	775.00'	26.28'	26.28'	S04°37'44"E	1°56'34"
C13	175.00'	50.41'	50.23'	S11°54'33"E	16°30'10"
C14	175.00'	55.62'	55.39'	S29°15'56"E	18°12'37"
C15	10.00'	15.70'	14.14'	N06°38'14"E	89°57'18"
C16	10.00'	15.72'	14.15'	S83°21'47"E	90°02'40"
C17	10.00'	15.71'	14.14'	N06°37'19"E	89°59'08"
C18	225.00'	12.78'	12.77'	N36°44'39"W	3°15'12"
C19	225.00'	55.26'	55.12'	N28°04'54"W	14°04'18"
C20	225.00'	55.65'	55.51'	N13°57'38"W	14°10'14"
C21	225.00'	12.64'	12.63'	N05°15'59"W	3°13'04"
C22	725.00'	4.23'	4.23'	N03°49'29"W	0°20'03"
C23	725.00'	49.99'	49.98'	N05°58'01"W	3°57'01"
C24	725.00'	18.47'	18.47'	N08°40'19"W	1°27'35"
C25	100.00'	39.85'	39.59'	N20°49'08"W	22°50'03"
C26	10.00'	12.70'	11.86'	N68°36'52"W	72°48'25"



VICINITY MAP NOT TO SCALE

LEGEND

CMF	■	CONC. MONUMENT FOUND
IPF	●	IRON PIPE FOUND
IPFD	●	IRON PIPE FOUND DISTURBED
RBS	O	5/8" IRON REBAR SET
XF	X	SCRIBED X FOUND

NOTES
1. THIS PARCEL APPEARS TO LIE IN FLOOD ZONE X, FIRM PANEL 0030-C COMMUNITY 130516C.
2. HORIZONTAL DATUM IS GEORGIA EAST GRID (NAD 83).
3. ALL STORM EASEMENT RUN TAGS ARE IN NUMERICAL ORDER, BEGINNING AT THE LOWEST NUMBER (ALSO THE NORTHING/EASTING CALL OUT) FOR EACH SECTION OF EASEMENT. EASEMENT TABLE TAGS ARE PRECEDED BY "E".
4. THERE IS A 15' UTILITY EASEMENT AT THE FRONT OF EACH LOT.
5. UNLESS OTHERWISE SHOWN ON THIS PLAT, BUILDING SETBACKS ARE AS FOLLOWS: FRONT-15', SIDE-5', & REAR-10'.

REFERENCES
1. PB:28P PG:55
2. PB:36S PG:54
3. PB:52 PG:215
4. DB:794 PG:549

30 15 0 30 60
GRAPHIC SCALE (1"=30')

PREPARED FOR:
PITTMAN ENGINEERING, CO.

A SUBDIVISION PLAT OF

RICE HOPE PARKSIDE,
PHASES B & C.

PIN ID: 70906-04069
8TH G.M.D.
THE CITY OF PORT WENTWORTH
CHATHAM COUNTY, GEORGIA

FIELD WORK:	JLG
FIELD CHECK:	CJB
DRAWN BY:	KWF
DATE:	08-25-2021
SCALE:	1"=30'
PROJECT No.:	BFT-21055
FILE:	BFT-21055 SUB1.DWG

SHEET 2 OF 3

ATLAS SURVEYING, INC.
49 BROWN'S COVE ROAD, SUITE #5
RIDGELAND, SC 29936
PHONE: (843) 645-9277
WEBSITE: WWW.ATLASSURVEYING.COM

GEORGIA
ATLAS SURVEYING BFT,LLC. No. LSF001282
CERTIFICATE OF AUTHORIZATION

GEORGIA PROFESSIONAL No. 3372 LAND SURVEYOR COLIN JESSE BEARDEN

AS REQUIRED BY SUBSECTION (d) OF O.C.G.A. SECTION 15-6-67, THIS PLAT HAS BEEN PREPARED BY A LAND SURVEYOR AND APPROVED BY ALL APPLICABLE LOCAL JURISDICTIONS FOR RECORDING AS EVIDENCED BY APPROVAL CERTIFICATES, SIGNATURES, STAMPS, OR STATEMENTS HEREON. SUCH APPROVALS OR AFFIRMATIONS SHOULD BE CONFIRMED WITH THE APPROPRIATE GOVERNMENTAL BODIES BY ANY PURCHASER OR USER OF THIS PLAT AS TO INTENDED USE OF ANY PARCEL. FURTHERMORE, THE UNDERSIGNED LAND SURVEYOR CERTIFIES THAT THIS PLAT COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN THE RULES AND REGULATIONS OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN O.C.G.A. SECTION 15-6-67.

PRELIMINARY DRAFT

COLIN J. BEARDEN
GA.P.L.S. No. LS003372

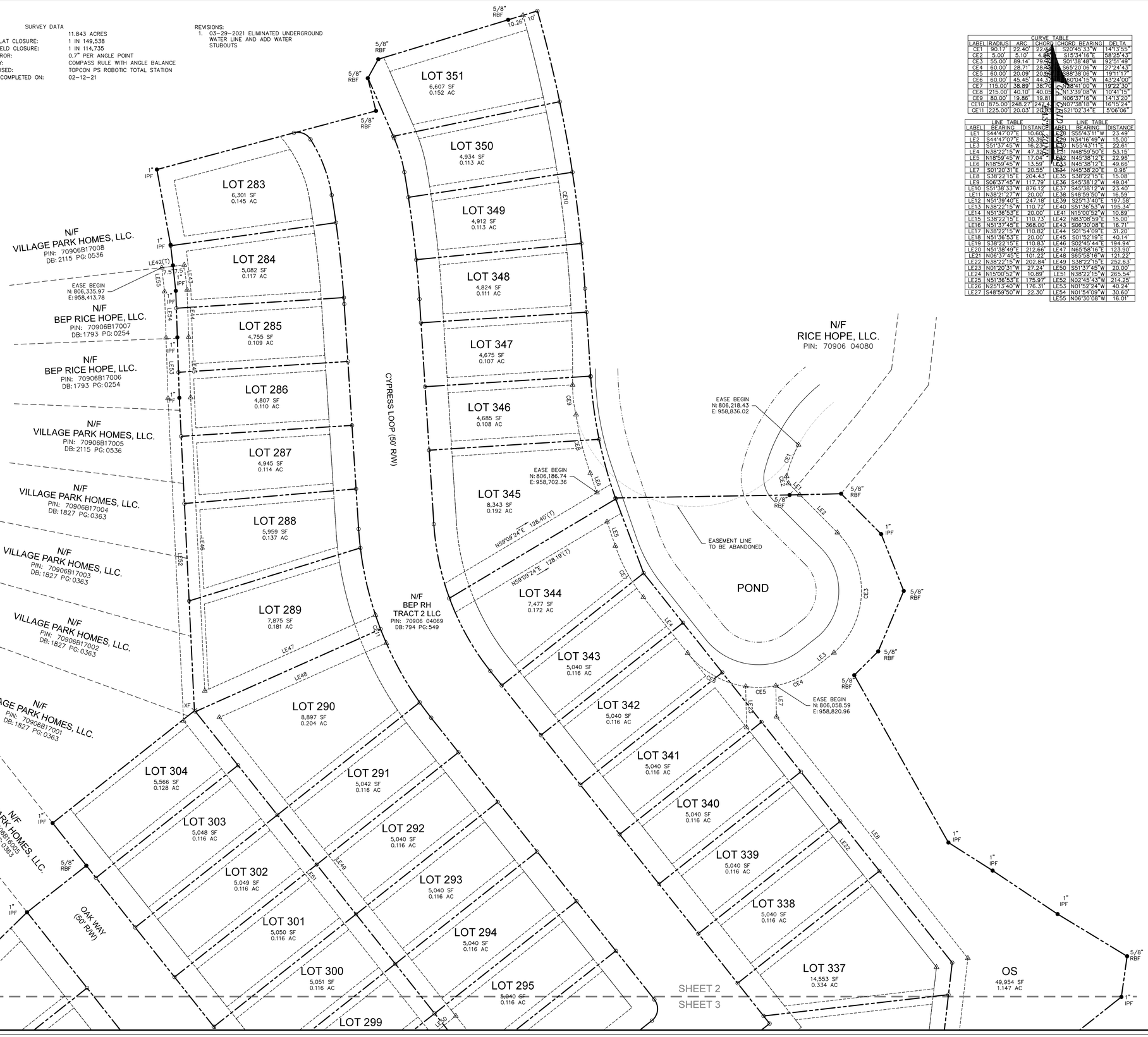
Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Prelim Plat (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)

THIS BLOCK RESERVED FOR THE CLERK OF SUPERIOR COURT.

SURVEY DATA

TOTAL AREA:	11.843 ACRES
ERROR OF PLAT CLOSURE:	1 IN 149,538
ERROR OF FIELD CLOSURE:	1 IN 114,735
ANGULAR ERROR:	0.7" PER ANGLE POINT
ADJUSTED BY:	COMPASS RULE WITH ANGLE BALANCE
EQUPIMENT USED:	TOPCON PS ROBOTIC TOTAL STATION
FIELD WORK COMPLETED ON:	02-12-21

REVISIONS:
1. 03-29-2021 ELIMINATED UNDERGROUND WATER LINE AND ADD WATER STUBOUTS



CURVE TABLE

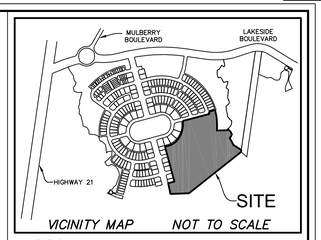
LABEL	RADIUS	ARC	CHORD	CHORD BEARING	DELTA
CE1	90.17'	22.40'	22.34'	S20°48'53"W	14°13'55"
CE2	5.00'	5.10'	4.88'	S15°34'16"E	58°25'43"
CE3	55.00'	89.14'	79.52'	S01°38'48"W	92°51'49"
CE4	60.00'	28.71'	28.43'	S65°20'06"W	27°24'41"
CE5	60.00'	20.09'	20.00'	S88°38'06"W	19°11'17"
CE6	60.00'	45.45'	44.33'	N60°04'15"W	43°24'00"
CE7	115.00'	38.89'	38.71'	N53°41'00"W	19°22'30"
CE8	215.00'	40.10'	40.05'	N13°39'08"W	10°41'15"
CE9	80.00'	19.86'	19.81'	N06°37'16"W	14°13'20"
CE10	875.00'	248.27'	247.47'	N07°38'18"W	16°15'24"
CE11	225.00'	20.03'	20.02'	S21°02'34"E	5°06'06"

LINE TABLE

LABEL	BEARING	DISTANCE
LE1	S44°47'07"E	10.60'
LE2	S44°47'07"E	35.39'
LE3	S51°37'45"W	16.22'
LE4	N38°22'15"W	47.32'
LE5	N18°59'45"W	17.04'
LE6	N18°59'45"W	13.59'
LE7	S01°20'31"E	20.55'
LE8	S38°22'15"E	204.43'
LE9	S06°37'45"W	117.79'
LE10	S51°38'33"W	876.12'
LE11	N38°21'27"W	20.00'
LE12	N51°39'40"E	247.18'
LE13	N38°22'15"W	110.72'
LE14	N51°36'53"E	20.00'
LE15	S38°22'15"E	110.73'
LE16	N51°37'45"E	368.00'
LE17	N38°22'15"W	110.82'
LE18	N51°36'53"E	20.00'
LE19	S38°22'15"E	110.83'
LE20	N51°38'49"E	212.66'
LE21	N06°37'45"E	101.22'
LE22	N38°22'15"W	202.84'
LE23	N01°20'31"W	27.24'
LE24	N15°00'52"W	10.89'
LE25	N51°36'53"E	175.97'
LE26	N25°13'40"W	176.31'
LE27	S48°59'50"W	22.30'

LINE TABLE

LABEL	BEARING	DISTANCE
LE28	S55°43'11"W	23.49'
LE29	N34°16'49"W	15.00'
LE30	N55°43'11"E	22.61'
LE31	N48°59'50"E	53.15'
LE32	N45°38'12"E	22.96'
LE33	N45°38'12"E	49.66'
LE34	N45°38'20"E	0.96'
LE35	S38°22'15"E	15.08'
LE36	S45°38'12"W	49.04'
LE37	S45°38'12"W	23.40'
LE38	S48°59'50"W	16.59'
LE39	S25°13'40"E	197.58'
LE40	S51°36'53"W	195.34'
LE41	N15°00'52"W	10.89'
LE42	N83°08'59"E	15.00'
LE43	S06°30'08"E	16.71'
LE44	S01°54'09"E	31.20'
LE45	S01°52'19"E	40.14'
LE46	S02°45'44"E	194.94'
LE47	N65°58'16"E	123.90'
LE48	S65°58'16"W	121.22'
LE49	S38°22'15"E	252.63'
LE50	S51°37'45"W	20.00'
LE51	N38°22'15"W	265.54'
LE52	N02°45'43"W	214.25'
LE53	N01°52'24"W	40.24'
LE54	N01°54'09"W	30.60'
LE55	N06°30'08"W	16.01'



VICINITY MAP NOT TO SCALE

LEGEND

CMF	■	CONC. MONUMENT FOUND
IPF	●	IRON PIPE FOUND
IPFD	●	IRON PIPE FOUND DISTURBED
RBS	O	5/8" IRON REBAR SET
XF	X	SCRIBED X FOUND

NOTES
1. THIS PARCEL APPEARS TO LIE IN FLOOD ZONE X, FIRM PANEL 0030-C COMMUNITY 130516C.
2. HORIZONTAL DATUM IS GEORGIA EAST GRID (NAD 83).
3. ALL STORM EASEMENT RUN TAGS ARE IN NUMERICAL ORDER, BEGINNING AT THE LOWEST NUMBER (ALSO THE NORTHING/EASTING CALL OUT) FOR EACH SECTION OF EASEMENT. EASEMENT TABLE TAGS ARE PRECEDED BY "E".
4. THERE IS A 15' UTILITY EASEMENT AT THE FRONT OF EACH LOT.
5. UNLESS OTHERWISE SHOWN ON THIS PLAT, BUILDING SETBACKS ARE AS FOLLOWS: FRONT-15', SIDE-5', & REAR-10'.

REFERENCES
1. PB: 28P PG: 55
2. PB: 36S PG: 54
3. PB: 52 PG: 215
4. DB: 794 PG: 549

30 15 0 30 60
GRAPHIC SCALE (1"=30')

PREPARED FOR:
PITTMAN ENGINEERING, CO.

A SUBDIVISION PLAT OF

RICE HOPE PARKSIDE, PHASES B & C.

PIN ID: 70906-04069
8TH G.M.D.
THE CITY OF PORT WENTWORTH
CHATHAM COUNTY, GEORGIA

FIELD WORK:	JLG
FIELD CHECK:	CJB
DRAWN BY:	KWF
DATE:	08-25-2021
SCALE:	1"=30'
PROJECT No.:	BFT-21055
FILE:	BFT-21055 SUB1.DWG

SHEET 2 OF 3

ATLAS SURVEYING, INC.
49 BROWN'S COVE ROAD, SUITE #5
RIDGELAND, SC 29936
PHONE: (843) 645-9277
WEBSITE: WWW.ATLASSURVEYING.COM

GEORGIA ATLAS SURVEYING BFT,LLC. No. LSF001282 CERTIFICATE OF AUTHORIZATION

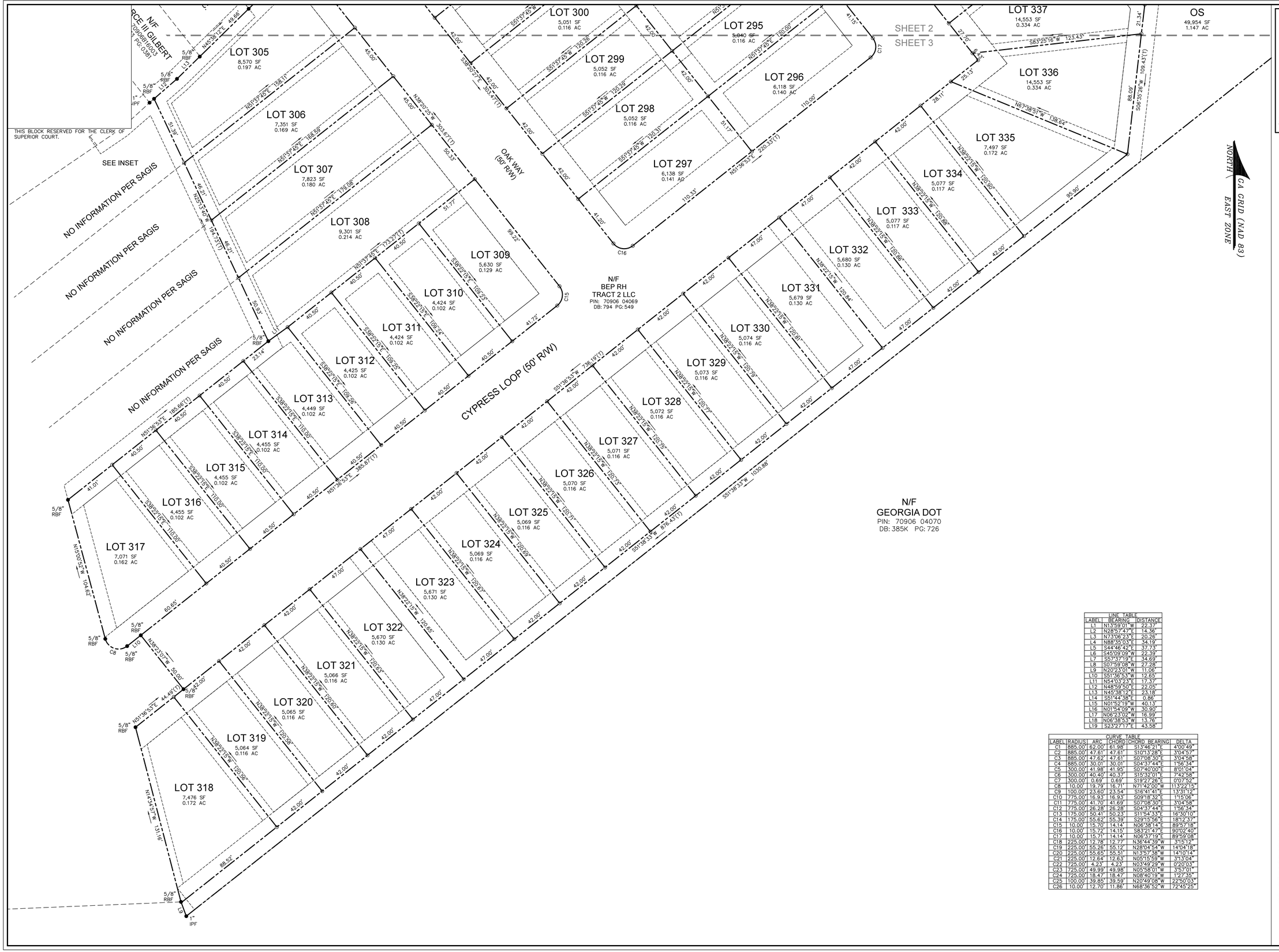
GEORGIA PROFESSIONAL No. 3372 LAND SURVEYOR COLIN JESSE BEARDEN

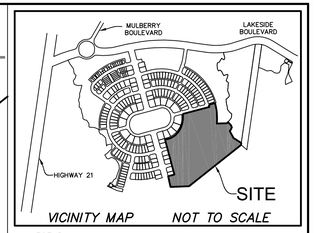
AS REQUIRED BY SUBSECTION (d) OF O.C.G.A. SECTION 15-6-67, THIS PLAT HAS BEEN PREPARED BY A LAND SURVEYOR AND APPROVED BY ALL APPLICABLE LOCAL JURISDICTIONS FOR RECORDING AS EVIDENCED BY APPROVAL CERTIFICATES, SIGNATURES, STAMPS, OR STATEMENTS HEREON. SUCH APPROVALS OR AFFIRMATIONS SHOULD BE CONFIRMED WITH THE APPROPRIATE GOVERNMENTAL BODIES BY ANY PURCHASER OR USER OF THIS PLAT AS TO INTENDED USE OF ANY PARCEL. FURTHERMORE, THE UNDERSIGNED LAND SURVEYOR CERTIFIES THAT THIS PLAT COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN THE RULES AND REGULATIONS OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN O.C.G.A. SECTION 15-6-67.

PRELIMINARY DRAFT

COLIN J. BEARDEN
GA.P.L.S. No. LS003372

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Prelim Plat (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)





LEGEND

CMF	■	CONC. MONUMENT FOUND
IPF	●	IRON PIPE FOUND
IPFD	●	IRON PIPE FOUND DISTURBED
RBS	O	5/8" IRON REBAR SET
XF	X	SCRIBED X FOUND

NOTES

1. THIS PARCEL APPEARS TO LIE IN FLOOD ZONE X, FIRM PANEL 0030-C COMMUNITY 130516C.
2. HORIZONTAL DATUM IS GEORGIA EAST GRID (NAD 83).
3. ALL STORM EASEMENT RUN TAGS ARE IN NUMERICAL ORDER, BEGINNING AT THE LOWEST NUMBER (ALSO THE NORTHING/EASTING CALL OUT) FOR EACH SECTION OF EASEMENT. EASEMENT TABLE TAGS ARE PRECEDED BY "E".
4. THERE IS A 15' UTILITY EASEMENT AT THE FRONT OF EACH LOT.
5. UNLESS OTHERWISE SHOWN ON THIS PLAT, BUILDING SETBACKS ARE AS FOLLOWS: FRONT-15', SIDE-5', & REAR-10'.

REFERENCES

1. PB: 28P PG: 55
2. PB: 36S PG: 54
3. PB: 52 PG: 215
4. DB: 794 PG: 549

PREPARED FOR:
PITTMAN ENGINEERING, CO.

A SUBDIVISION PLAT OF

RICE HOPE PARKSIDE,
PHASES B & C.

PIN ID: 70906-04069
8TH G.M.D.
THE CITY OF PORT WENTWORTH
CHATHAM COUNTY, GEORGIA

FIELD WORK:	JLG
FIELD CHECK:	CJB
DRAWN BY:	KWF
DATE:	08-25-2021
SCALE:	1"=30'
PROJECT No.:	BFT-21055
FILE:	BFT-21055 SUB1.DWG

SHEET 2 OF 3

LINE TABLE		
LABEL	BEARING	DISTANCE
L1	N13°59'01"W	22.37'
L2	N28°57'47"E	14.36'
L3	N73°06'23"E	20.26'
L4	N88°35'03"E	34.19'
L5	S44°46'42"E	37.73'
L6	S45°09'09"W	22.39'
L7	S57°37'19"E	34.69'
L8	S07°59'08"W	27.28'
L9	N20°23'01"W	11.06'
L10	S51°36'53"W	12.65'
L11	N54°03'23"E	17.37'
L12	N48°59'50"E	22.05'
L13	N45°38'12"E	23.18'
L14	S51°44'38"E	0.86'
L15	N01°52'19"W	40.13'
L16	N01°54'09"W	30.90'
L17	N06°23'02"W	16.99'
L18	N06°38'53"W	13.76'
L19	S23°27'17"E	43.58'

CURVE TABLE					
LABEL	RADIUS	ARC	CHORD	CHORD BEARING	DELTA
C1	885.00'	62.00'	61.98'	S13°46'21"E	4°00'49"
C2	885.00'	47.61'	47.61'	S10°13'28"E	3°04'57"
C3	885.00'	47.62'	47.61'	S07°08'50"E	3°04'58"
C4	885.00'	30.01'	30.01'	S04°37'44"E	1°56'34"
C5	300.00'	41.98'	41.95'	S07°40'00"E	8°01'04"
C6	300.00'	40.40'	40.37'	S15°32'01"E	7°42'58"
C7	300.00'	0.69'	0.69'	S19°27'26"E	0°07'52"
C8	10.00'	19.79'	16.71'	N71°42'00"W	113°22'15"
C9	100.00'	23.60'	23.54'	S16°41'41"E	13°31'12"
C10	775.00'	16.93'	16.93'	S09°18'32"E	1°15'06"
C11	775.00'	41.70'	41.69'	S07°08'30"E	3°04'58"
C12	775.00'	26.28'	26.28'	S04°37'44"E	1°56'34"
C13	175.00'	50.41'	50.23'	S11°54'33"E	16°30'10"
C14	175.00'	55.62'	55.39'	S29°15'56"E	18°12'37"
C15	10.00'	15.70'	14.14'	N06°38'14"E	89°57'18"
C16	10.00'	15.72'	14.15'	S83°21'47"E	90°02'40"
C17	10.00'	15.71'	14.14'	N06°37'19"E	89°59'08"
C18	225.00'	12.78'	12.77'	N36°44'39"W	3°15'12"
C19	225.00'	55.26'	55.12'	N28°04'54"W	14°04'18"
C20	225.00'	55.65'	55.51'	N13°57'38"W	14°10'14"
C21	225.00'	12.64'	12.63'	N05°15'59"W	3°13'04"
C22	725.00'	4.23'	4.23'	N03°49'29"W	0°20'03"
C23	725.00'	49.99'	49.98'	N05°58'01"W	3°57'01"
C24	725.00'	18.47'	18.47'	N08°40'19"W	1°27'35"
C25	100.00'	39.85'	39.59'	N20°49'08"W	22°50'03"
C26	10.00'	12.70'	11.86'	N68°36'52"W	72°45'25"

ATLAS SURVEYING, INC.
49 BROWN'S COVE ROAD, SUITE #5
RIDGELAND, SC 29936
PHONE: (843) 645-9277
WEBSITE: WWW.ATLASSURVEYING.COM

ATLAS SURVEYING BFT,LLC. No. LSF001282 CERTIFICATE OF AUTHORIZATION

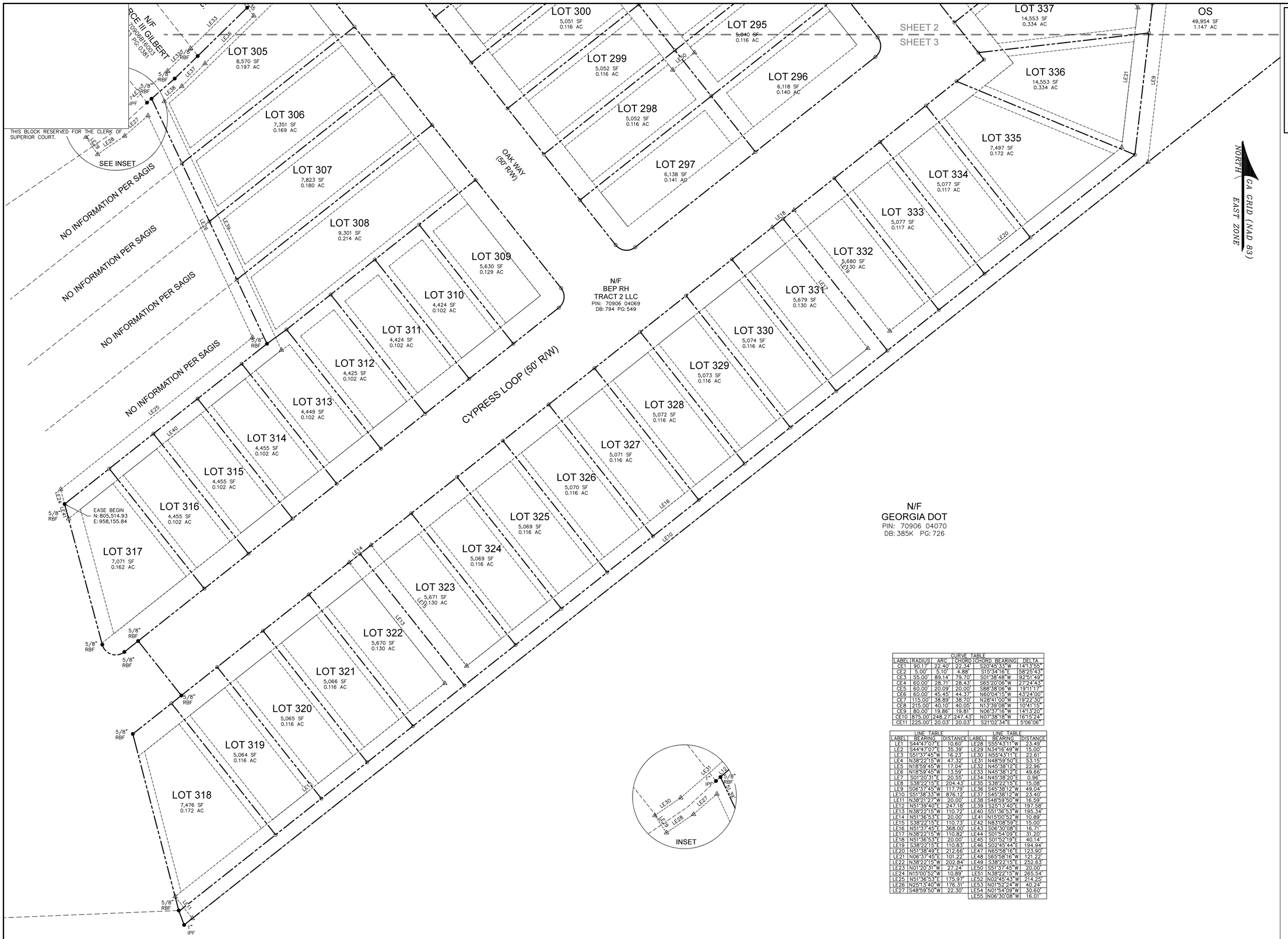
GEORGIA PROFESSIONAL No. 3372 LAND SURVEYOR COLIN JESSE BEARDEN

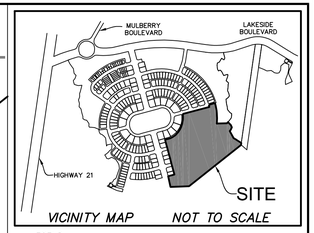
AS REQUIRED BY SUBSECTION (d) OF O.C.G.A. SECTION 15-6-67, THIS PLAT HAS BEEN PREPARED BY A LAND SURVEYOR AND APPROVED BY ALL APPLICABLE LOCAL JURISDICTIONS FOR RECORDING AS EVIDENCED BY APPROVAL CERTIFICATES, SIGNATURES, STAMPS, OR STATEMENTS HEREON. SUCH APPROVALS OR AFFIRMATIONS SHOULD BE CONFIRMED WITH THE APPROPRIATE GOVERNMENTAL BODIES BY ANY PURCHASER OR USER OF THIS PLAT AS TO INTENDED USE OF ANY PARCEL. FURTHERMORE, THE UNDERSIGNED LAND SURVEYOR CERTIFIES THAT THIS PLAT COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN THE RULES AND REGULATIONS OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN O.C.G.A. SECTION 15-6-67.

PRELIMINARY DRAFT

COLIN J. BEARDEN
GA.P.L.S. No. LS003372

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Prelim Plat (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)





LEGEND

CMF	■	CONC. MONUMENT FOUND
IPF	●	IRON PIPE FOUND
IPFD	●	IRON PIPE FOUND DISTURBED
RBS	○	5/8" IRON REBAR SET
XF	X	SCRIBED X FOUND

NOTES

1. THIS PARCEL APPEARS TO LIE IN FLOOD ZONE X, FIRM PANEL 0030-C COMMUNITY 130516.
2. HORIZONTAL DATUM IS GEORGIA EAST GRID (NAD 83).
3. ALL STORM EASEMENT RUN TAGS ARE IN NUMERICAL ORDER, BEGINNING AT THE LOWEST NUMBER (ALSO THE NORTHING/EASTING CALL OUT) FOR EACH SECTION OF EASEMENT. EASEMENT TABLE TAGS ARE PRECEDED BY "E".
4. THERE IS A 15' UTILITY EASEMENT AT THE FRONT OF EACH LOT.
5. UNLESS OTHERWISE SHOWN ON THIS PLAT, BUILDING SETBACKS ARE AS FOLLOWS: FRONT-15', SIDE-5', & REAR-10'.

REFERENCES

1. PB: 28P PG: 55
2. PB: 36S PG: 54
3. PB: 52 PG: 215
4. DB: 794 PG: 549

30 15 0 30 60
GRAPHIC SCALE (1"=30')

PREPARED FOR:
PITTMAN ENGINEERING, CO.

A SUBDIVISION PLAT OF

RICE HOPE PARKSIDE,
PHASES B & C.

PIN ID: 70906-04069
8TH G.M.D.
THE CITY OF PORT WENTWORTH
CHATHAM COUNTY, GEORGIA

FIELD WORK:	JLG
FIELD CHECK:	CJB
DRAWN BY:	KMF
DATE:	08-25-2021
SCALE:	1"=30'
PROJECT No.:	BFT-21055
FILE:	BFT-21055 SUB1.DWG

SHEET 2 OF 3

CURVE TABLE					
LABEL	RADIUS	ARC	CHORD	CHORD BEARING	DELTA
CE1	90.17'	22.40'	22.34'	S20°45'33"W	14°13'55"
CE2	5.00'	5.10'	4.88'	S15°34'16"E	58°25'43"
CE3	55.00'	89.14'	79.70'	S01°38'48"W	92°51'49"
CE4	60.00'	28.71'	28.43'	S65°20'06"W	27°24'43"
CE5	60.00'	20.09'	20.00'	S88°38'06"W	19°11'17"
CE6	60.00'	45.45'	44.37'	N60°04'15"W	43°24'00"
CE7	115.00'	38.89'	38.70'	N28°41'00"W	19°22'30"
CE8	215.00'	40.10'	40.05'	N13°39'08"W	10°41'15"
CE9	80.00'	19.86'	19.81'	N06°13'16"W	14°13'20"
CE10	875.00'	248.27'	247.43'	N07°38'18"W	16°15'24"
CE11	225.00'	20.03'	20.03'	S21°02'34"E	5°06'06"

LINE TABLE			LINE TABLE		
LABEL	BEARING	DISTANCE	LABEL	BEARING	DISTANCE
LE1	S44°47'07"E	10.60'	LE28	S55°43'11"W	23.49'
LE2	S44°47'07"E	35.39'	LE29	N34°16'49"W	15.00'
LE3	S51°37'45"W	16.23'	LE30	N55°43'11"E	22.61'
LE4	N38°22'15"W	47.32'	LE31	N48°59'50"E	53.15'
LE5	N18°59'45"W	17.04'	LE32	N45°38'12"E	22.96'
LE6	N18°59'45"W	13.59'	LE33	N45°38'12"E	49.66'
LE7	S01°20'31"E	20.55'	LE34	N45°38'20"E	0.96'
LE8	S38°22'15"E	204.43'	LE35	S38°22'15"E	15.08'
LE9	S06°37'45"W	117.79'	LE36	S45°38'12"W	49.04'
LE10	S51°38'33"W	876.12'	LE37	S45°38'12"W	23.40'
LE11	N38°21'27"W	20.00'	LE38	S48°59'50"W	16.59'
LE12	N51°39'40"E	247.18'	LE39	S25°13'40"E	197.58'
LE13	N38°22'15"W	110.72'	LE40	S51°36'53"W	195.34'
LE14	N51°36'53"E	20.00'	LE41	N15°00'52"W	10.89'
LE15	S38°22'15"E	110.73'	LE42	N83°08'59"E	15.00'
LE16	N51°37'45"E	368.00'	LE43	S06°30'08"E	16.71'
LE17	N38°22'15"W	110.82'	LE44	S01°54'09"E	31.20'
LE18	N51°36'53"E	20.00'	LE45	S01°52'19"E	40.14'
LE19	S38°22'15"E	110.83'	LE46	S02°45'44"E	194.94'
LE20	N51°38'49"E	212.66'	LE47	N65°58'16"E	123.90'
LE21	N06°37'45"E	101.22'	LE48	S65°58'16"W	121.22'
LE22	N38°22'15"W	202.84'	LE49	S38°22'15"E	252.63'
LE23	N01°20'31"W	27.24'	LE50	S51°37'45"W	20.00'
LE24	N15°00'52"W	10.89'	LE51	N38°22'15"W	265.54'
LE25	N51°36'53"E	175.97'	LE52	N02°45'43"W	214.25'
LE26	N25°13'40"W	176.31'	LE53	N01°52'24"W	40.24'
LE27	S48°59'50"W	22.30'	LE54	N01°54'09"W	30.60'
			LE55	N06°30'08"W	16.01'

ATLAS
SURVEYING, INC.
49 BROWN'S COVE ROAD, SUITE #5
RIDGELAND, SC 29936
PHONE: (843) 645-9277
WEBSITE: WWW.ATLASSURVEYING.COM

GEORGIA ATLAS SURVEYING BFT,LLC. No. SF001282 CERTIFICATE OF AUTHORIZATION

GEORGIA PROFESSIONAL No. 3372 LAND SURVEYOR COLIN JESSE BEARDEN

AS REQUIRED BY SUBSECTION (d) OF O.C.G.A. SECTION 15-6-67, THIS PLAT HAS BEEN PREPARED BY A LAND SURVEYOR AND APPROVED BY ALL APPLICABLE LOCAL JURISDICTIONS FOR RECORDING AS EVIDENCED BY APPROVAL CERTIFICATES, SIGNATURES, STAMPS, OR STATEMENTS HEREON. SUCH APPROVALS OR AFFIRMATIONS SHOULD BE CONFIRMED WITH THE APPROPRIATE GOVERNMENTAL BODIES BY ANY PURCHASER OR USER OF THIS PLAT AS TO INTENDED USE OF ANY PARCEL. FURTHERMORE, THE UNDERSIGNED LAND SURVEYOR CERTIFIES THAT THIS PLAT COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN THE RULES AND REGULATIONS OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN O.C.G.A. SECTION 15-6-67.

PRELIMINARY DRAFT

COLIN J. BEARDEN
GA.P.L.S. No. LS003372

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Prelim Plat (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)

Wednesday, June 23, 2021 2:11:48 PM

CONSTRUCTION PLANS

FOR

RICE HOPE

PARKSIDE PHASES B & C

PREPARED FOR:

BEP RICE HOPE, LLC

PROJECT DATA

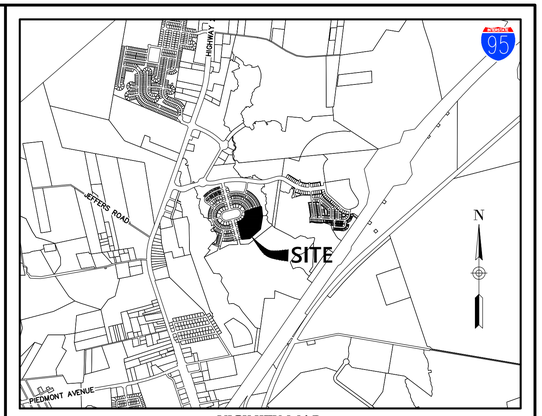
DEVELOPER:	BEP RICE HOPE, LLC 4800 HAMPDEN LANE, SUITE 200 BETHESDA, MARYLAND 20814 (301) 915-0460
24 HOUR CONTACT:	RAY PITTMAN
TELEPHONE:	(912) 662-4000
JURISDICTION:	PORT WENTWORTH, GEORGIA
ZONING:	PUD
PROPERTY OWNER OF RECORD:	BEP RICE HOPE, LLC
FEMA FLOOD ZONE:	X
FEMA FLOOD PANEL:	MAP NUMBER 13051C0030G MAP DATED 8/16/18
APPROXIMATE LOCATION OF SITE:	PORT WENTWORTH, GEORGIA 31407
LATITUDE: LONGITUDE:	N032.225100000000 W081.184600000000
VERTICAL DATUM:	NAVD 88

JUNE 23, 2021

JOB NUMBER: 20-237

PREPARED BY:

Pittman Engineering Co., LLC



VICINITY MAP

Sheet List Table

Sheet Number	Sheet Title
C0	COVER SHEET
C0.1	GENERAL NOTES
C1.1	LAYOUT, STRIPING & SIGNAGE PLAN
C1.2	LAYOUT, STRIPING & SIGNAGE PLAN
C2.1	WATER AND SEWER PLAN
C2.2	WATER AND SEWER PLAN
C2.3	SEWER PROFILES
C2.4	WATER AND SEWER DETAILS
C2.5	WATER AND SEWER DETAILS
C3.1	PAVING, GRADING & DRAINAGE PLAN
C3.2	PAVING, GRADING & DRAINAGE PLAN
C3.3	ROAD PROFILES
C3.4	DRAINAGE PROFILES
C3.5	PAVING, GRADING & DRAINAGE DETAILS
C3.6	PAVING, GRADING & DRAINAGE DETAILS
EC1.1	EROSION CONTROL PLAN – INITIAL
EC1.2	EROSION CONTROL PLAN – INITIAL
EC2.1	EROSION CONTROL PLAN – INTERMEDIATE
EC2.2	EROSION CONTROL PLAN – INTERMEDIATE
EC3.1	EROSION CONTROL PLAN – FINAL
EC3.2	EROSION CONTROL PLAN – FINAL
EC4.1	EROSION CONTROL NOTES
EC4.2	EROSION CONTROL NOTES
EC4.3	EROSION CONTROL NOTES
EC5.1	EROSION CONTROL DETAILS
EC5.2	EROSION CONTROL DETAILS
EC5.3	EROSION CONTROL DETAILS

GEORGIA REGISTERED No. 38245 PROFESSIONAL ENGINEER JASON JOSEPH BRYANT

I certify that I have been in responsible charge of the design of this project in accordance with the rules of the Georgia State Board of Registration for Professional Engineers and Land Surveyors. I further certify, to the best of my knowledge and belief, that these plans and specifications were prepared in accordance with current standard engineering practices and accurately reflect the Design Development Report (DDR) previously reviewed and concurred in by EPD. I further certify that the system as designed can reasonably be expected to consistently meet all currently applicable permit limits, conditions, and regulatory requirements, provided the facility is constructed as designed and properly operated and maintained.

The development of the included construction plans can be expected to not increase the rate of runoff per county requirements, provided the facility is constructed as designed and properly operated and maintained.

REVISION LISTING

REV. NO.	REVISION	BY	DATE

811 Know what's below. Call before you dig.

PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Construction Plans\20-237 Parkside B-C - Cover Sheet.dwg

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)

Wednesday, June 23, 2021 2:12:32 PM

GENERAL NOTES:

OWNER/DEVELOPER:
SCOTT DECAIN
BEP RICE HOPE, LLC
4800 HAMPDEN LANE, SUITE 200
BETHESDA, MARYLAND 20814
(301) 915-0460
redmondconst@bellsouth.net

ENGINEER:
PITTMAN ENGINEERING CO., LLC
2591 HWY 17S SUITE 303
RICHMOND HILL, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

SITE DATA:

ZONE:	PUD
TOTAL PROJECT ACREAGE:	12.3 AC.
DISTURBED AREA:	12.3 AC.
FLOOD MAP:	13051C0030G
FLOOD ZONE:	X

SURVEY INFORMATION:

THE TOPOGRAPHIC INFORMATION:
ALL ELEVATIONS BASED ON NAVD88

CONSTRUCTION NOTES & LEGEND

General Notes:

1. All elevations are based on NAVD88.
2. Existing utility locations shown are generally schematic in nature and may not accurately reflect the size and location of each particular utility. Contractor shall field verify location of all existing utilities prior to beginning construction. All existing utilities may not be shown on these drawings. It is the contractor's responsibility to coordinate his operation with all utilities which may be in conflict with his work. The contractor must maintain and protect all utilities, or relocate utilities as needed.
3. Contractor is responsible for coordination with utility companies and adjustment of existing sanitary sewer cleanouts, manholes, water meters, storm inlets, manholes, and any other appurtenances to final grade as required.
4. Contractor is responsible for worksite safety. Occurrences at worksite shall be the complete responsibility of the contractor.
5. The contractor shall not begin construction until the proper permits have been issued.
6. The contractor shall be responsible for locating all existing utilities prior to beginning construction activities and for avoiding all conflicts with the same. Any damage to existing utilities shall be repaired at the contractor's expense.
7. The contractor shall completely clear and grub all areas within the limits of disturbance unless indicated otherwise.
8. All construction shall conform to the City of Port Wentworth Ordinances.
9. Contractor shall coordinate construction activities with local utility companies and adjacent property owners. Contractor shall be responsible for protection and any necessary repairs to existing utility lines.
10. Three days notice to city and local utility companies is required prior to each different construction activity.
11. Control of stormwater and groundwater throughout the construction period shall be the responsibility of the contractor. Existing drainage is not to be impeded during construction. All penalties, claims and fees imposed on owner as a result of damage caused by actions of the contractor, his employees or subcontractors shall be borne in full by the contractor. Storm drainage conveyance shall not be impeded and dewatering may be required for the contractor. These are considered "Means and Methods," and any and all cost associated with this activity shall be included in the respective pay category.
12. Contractor shall be responsible for repairs of damage to any existing infrastructure including but not limited to roads, sidewalk, curb & gutter, landscaping, structures, and all existing conditions.
13. All signs, mail boxes, shrubbery, fences, landscaping or existing structures interfering with construction shall be removed and replaced by the contractor at the contractor's expense.
14. Contractor shall be solely responsible for all construction means, methods, techniques, and procedures and shall at all times take all reasonable safety precautions for the safety of its employees on the project and shall comply with all applicable provisions of federal, state, and municipal safety laws and building construction codes.
15. Contractor shall comply to the fullest extent with the latest standards or OSHA directives or any other agency having jurisdiction for excavation and trenching procedures. The contractor shall provide support systems, sloping, benching and other means of protection. This shall include, but not be limited to, access and egress from all excavation and trenching. Contractor is responsible for his job site to be in complete compliance with all regulatory requirements.
16. All construction debris shall be removed from the site and disposed of in an approved waste disposal area. The contractor shall be responsible for disposal of all construction debris.
17. Contractor must provide proper traffic control devices for construction in accordance with "Manual of Uniform Traffic Control Devices" (latest edition).
18. Only new Reinforced Concrete Pipe Class III, shall be used in city road rights-of-ways or for drainage systems or if any storm runoff from adjoining properties drain through the proposed project.
19. Pipes up to thirty-six inches in diameter shall have flared end sections.
20. Pipes of dissimilar size shall be vertical aligned with their energy grade line or shall have crowns of the pipe converge at a manhole or other structure.
21. All pipe joints, in addition to the required rubber gaskets, shall be covered with approved geo-textile material of sufficient width to be secured to the pipe and completely encircle the joint with 50% overlap.
22. All pipe that crosses a road shall be imbedded in suitable material compacted to minimum 100% standard proctor. Suitable materials are GW, GP, GM, GC, SP, or SW soils as classified under the Unified System.
23. All stormwater inlets structures shall be of the standard design and shall have inverts built in bottoms.
24. Swales shall have a 5:1 side slopes or flatter.
25. All PVC pipe shall be stored out of the sunlight or appropriately covered with a UV resistant cover. All PVC pipe shall be properly supported so "sagging" of the pipe doesn't occur during storage. Any PVC pipe showing UV degradation or sagging shall be removed and replaced at the contractor's expense.

Staking Notes:

1. All dimensions are to the edge of pavement unless shown otherwise on the plans.
2. Layout for manholes, inlets, etc., is not shown on this plan.
3. The contractor shall verify existing benchmarks shown on the plans to establish vertical control on the site. The contractor shall be responsible for protecting these from unauthorized removal or replacement of benchmarks. When a permanent benchmark is located such that it must be removed to complete the project, the contractor shall establish such temporary benchmarks as he may require prior to removing the permanent benchmark. The contractor shall provide the location, identification and elevation of any temporary benchmark established to the owner and engineer.

Paving, Grading and Drainage Notes:

1. The contractor shall be responsible for locating all existing underground utilities prior to beginning construction activities and for avoiding all conflicts with the same. Any damage to existing utilities shall be repaired at the contractor's expense.
2. Contours shown on these plans are for general guidance and informational purposes. The contractor shall grade the site in accordance with spot elevations shown. In cases of conflict between spot elevations and contours the spot elevations will govern.
3. Load bearing and structural fills shall be approved suitable material as defined in the project specs, geotechnical report, Georgia Department of Transportation specifications and International Builder's Code. The most stringent requirement shall be adhered to. Waste material may be used for flushing of shoulder or construction of pedestrian or landscaped areas if they can be stabilized and will support plant growth and meet the required degree of compaction.
4. Contractor shall be responsible for ensuring proper drainage of any areas which are field adjusted during construction.
5. See details for requirements for control, construction and expansion joints in concrete sidewalks and curb and gutter.
6. Standard curb and gutter will be used where the drawings indicate that the gutter is to carry water. Pitched curb and gutter will be used where the drawings indicate the water will drain away from the gutter. Transitions between the two conditions shall be made as smoothly as possible.
7. Invert elevations shown on the plans are to the invert of the lowest pipe.
8. All storm drainage pipe shall be Class III Reinforced Concrete Pipe.

Signage and Striping Notes:

1. All traffic control measures shall conform to the latest edition of the "Manual on Uniform Traffic Control Devices." The manual identification and dimensions are shown on staking sheets for each required sign. The orientation of each sign from an approaching driver's point of view is also shown. Sign and support post material and installation shall conform to the pertinent sections of the current edition of the Georgia Department of Transportation specifications (latest edition).
2. Street name markers are required at all intersections.

Water and Sewer Notes:

1. The contractor shall be responsible for locating all existing underground utilities prior to beginning construction activities and for avoiding all conflicts with the same. Any damage to existing utilities shall be repaired at the contractor's expense.
2. All water and sewer connections to existing active systems are to be coordinated with City of Savannah Engineering and Public Works Departments a minimum of 72 hours prior to construction activities. Any damage to existing County utilities shall be repaired immediately at the Contractor's expense.
3. All construction shall be in accordance with the City of Port Wentworth Ordinances.
4. All water main pipe shall be AWWA C-900 Pressure Rated Pipe, Pressure Class 150, with dimension ratio 18 or lower and blue. If Ductile Iron water mains are necessary, they shall be Pressure Class 350, with cement interior lining in accordance with the latest revision of ANSI A-21.4 (AWWA C-104) and asphaltic exterior coating. The water service laterals shall be Polyethylene PE 3408 SDR 9 conforming to all requirements of AWWA C-901 and ASTM D-2737 latest revisions.
5. All sanitary sewer pipe shall be PVC and geeen, ASTM D-3034, SDR-26.
6. Minimum slope of 4-inch sewer laterals shall be 1.0%.
7. All PVC Water Main shall be blue and all PVC Sewer shall be green.
8. Sewer pipe deflection shall not exceed 5.0%. Deflection shall be verified using a spherical or cylindrical mandrel with a diameter no less than 95% of the inside pipe diameter.
9. All manhole and inlet castings shall be American made. Manufacturer's specification sheets shall be submitted for review and approval.
10. Manhole frame heights outside of paved areas shall be a minimum of 0.2 feet above finished grade.
11. Pipe, fittings, valves, and other accessories shall, unless otherwise directed, be unloaded at the point of delivery and stored where they will be protected and will not be hazardous to traffic. They shall at all times be handled with care to avoid damage. The interior of all pipes, fittings and other accessories shall be kept free from dirt and foreign matter at all times.
12. All water main and water lateral thrust restraint shall be handled by use of joint restraint/mechanical joints equivalent to Ebaa Iron Megalug or push-on joint type restrained joints equivalent to "Lok-Ring", "TR Flex", or "Super Lock". Concrete thrust block shall not be allowed.
13. All water mains shall have a minimum cover of 3 feet and a maximum cover of 5 feet measured from finished grade. Where the water main crosses other utility lines, the water main shall be installed 18" (pipe to pipe) below the other utility lines (if required) to avoid conflicts and maintain cover.
14. Maintain a minimum horizontal separation of 10 feet between water, sewer, and drainage lines unless otherwise shown.
15. When pipe laying is not in progress, a mechanical joint plug or cap will be used to form a water tight seal at both ends of the line being installed.
16. The following procedure shall be followed during flushing of the lines prior to connection to the water system:
    a. Flush the water mains using a full size flush having a minimum velocity of 2.5 feet per second.
    b. Continue flushing for a minimum time period of thirty minutes or until water line is purged of foreign matter and water runs clear.
9. All water used for construction, if obtained from an unmetered line, must be metered through an approved fire hydrant meter with a backflow prevention device obtained from the municipality's water department.
10. Water distribution pipe shall have a #12 Gauge Solid Copper Tracing Wire installed along its length, including laterals up to the meter or backflow preventer.
11. All connections of the #12 Gauge Solid Copper Tracing Wire shall be made with 3m brand splice kits.
12. Mylar detectable warning tape shall be installed in sanitary sewer trenches or as required by city.
13. Gate Valves & Valve Boxes: Gate Valves shall be cast iron or ductile iron body, bronze mounted, double disc, or resilient wedge design, with non-rising stems conforming to AWWA C-500, C-509, or C-515. Valves shall have a working pressure of 200 psi, and be tested at 400 psi.
14. Hydrants shall be Mueller or approved equal with traffic yellow enamel finish and be equipped with a 4-1/2" outlet facing the street side with two 2-1/2" outlets on either side. Hydrants shall be restrained with mechanical joint fittings and rodded. Hydrant legs shall be ductile iron pressure class 350 pipe. Tracer wire shall be extended along hydrant legs, to hydrant isolation valves and up outside of valve box, and shall also extend up hydrant base terminating above grade.

Special Notes:

1. All earthworks for roadways shall be in accordance with Georgia Department of Transportation requirements.
2. The engineer shall make periodic site visits to observe construction of the project infrastructure and furnish an engineer's letter of completion with qualifiers at project close-out.
3. All sidewalks shall have no more than 2% cross slope, including driveway crossings.
4. All earthworks for lot areas and building pads shall be in conformance with the geotechnical report prepared for owner by others. The contractor shall request this report from the owner if it has not been furnished in the bid documents. Any recommendations contested by the contractor shall be submitted to the owner prior to commencing. Failing to notify the owner and resolving any conflicts, the contractor will be considered to have proceeded at their own risk and expense.
5. Contractor shall furnish as-built data for the water, sewer and storm lines which are to be stamped by a registered land surveyor registered in the state of Georgia. The survey shall be delivered in AutoCAD format and be in compliance with the city requirements.
6. The roads and drainage in this project are public and shall be owned and maintained by City of Port Wentworth.

LEGEND

LINE STYLES

- CENTER LINE
- DEMOLITION/ABANDONMENT
- CONSTRUCTION LIMITS
- C — C — PROPOSED OVERHEAD COMMUNICATION
- EXISTING OVERHEAD COMMUNICATION
- Cu — Cu — PROPOSED UNDERGROUND COMMUNICATION
- EXISTING UNDERGROUND COMMUNICATION
- E — E — PROPOSED OVERHEAD ELECTRICAL
- Eu — Eu — EXISTING OVERHEAD ELECTRICAL
- Eu — Eu — PROPOSED UNDERGROUND ELECTRICAL
- EXISTING UNDERGROUND ELECTRICAL
- FM — FM — PROPOSED FORCE MAIN
- EXISTING FORCE MAIN
- G — G — PROPOSED NATURAL GAS MAIN
- EXISTING NATURAL GAS MAIN
- NPW — NPW — PROPOSED NON-POTABLE WATER
- EXISTING NON-POTABLE WATER
- SS — SS — PROPOSED SANITARY SEWER
- EXISTING SANITARY SEWER
- W — W — PROPOSED WATER MAIN
- EXISTING WATER MAIN
- RIGHT OF WAY
- PROPERTY LINE
- FILL — LIMITS OF FILL
- X — X — WELDED WIRE FABRIC
- TREE LINE
- RAIL ROAD
- DRAINAGE CHANNEL
- SILT FENCE
- PROPOSED FENCE
- EXISTING FENCE
- GAURD RAIL
- BREAK LINE
- SB — STREAM BUFFER
- LIMITS OF 100 YEAR FLOOD PLANE
- SOIL — SOIL BOUNDARY
- 1000 — PROPOSED MAJOR CONTOUR
- 1000 — EXISTING MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MINOR CONTOUR

PATTERNS

- POROUS
- BLOCK WALL
- BRICK WALL
- CONCRETE (PLAN)
- CONCRETE (SECTION)
- ASPHALT (PLAN)
- ASPHALT (SECTION)
- GRATING
- GROUT
- RIP-RAP
- GRAVEL
- SWAMP
- UNDISTURBED EARTH
- DISTURBED EARTH
- SAND
- ROCK

VEGETATION

- GENERIC TREE
- DECIDUOUS TREE
- CONIFEROUS TREE
- DECIDUOUS SHRUB
- CONIFEROUS SHRUB

LEGEND

- CENTER LINE
- TAG — FIRE HYDRANT
- WATER MANHOLE
- WATER METER
- SANITARY SEWER MANHOLE
- GT — GREASE TRAP
- D — STORM DRAIN MANHOLE
- C — COMMUNICATION MANHOLE
- C — COMMUNICATION VAULT
- UTILITY POLE
- IN LINE VALVE
- HORIZONTAL CONTROL POINT
- GUY WIRE
- E — ELECTRICAL MANHOLE
- BM — BENCHMARK
- VALVE IN MANHOLE
- GRATE INLET

REV.	REVISIONS	BY	DATE

JASON BRYANT
GSWCC LEVEL II
DESIGN PROFESSIONAL
CERTIFICATION #73897

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 38245 JASON JOSEPH BRYANT

PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

GENERAL NOTES

RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

Project No.	20-237
Drawn By:	MJS
Designed By:	DMB
Checked By:	RAP
Scale:	----
Date:	5/25/21

SHEET
C0.1

S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Construction Plans\20-237 Parkside B-C - General Notes.dwg

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)

Wednesday, June 23, 2021 2:14:31 PM

S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Construction Plans\20-237 Parkside B-C - Layout Striping and Signage Plan.dwg

REV.	REVISIONS	BY	DATE

GEORGIA REGISTERED No. 18045 PROFESSIONAL ENGINEER JASON M. JOSEPH

PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

LAYOUT, STRIPING & SIGNAGE PLAN

RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

Project No.	20-237
Drawn By:	MJS
Designed By:	DMB
Checked By:	RAP
Scale:	1"=40'
Date:	5/25/21

SHEET
C1.1

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)

MATCHLINE -- SEE SHEET C1.1

OAK WAY
STA: 1+25.00

OAK WAY
(50' R/W)

CYPRESS LOOP
(50' R/W)

PARKSIDE BLVD. 50' R/W

CYPRESS LOOP
STA: 9+77.58
=OAK WAY
STA: 5+00.14

P.I.
STA: 6+87.58

5' CONCRETE SIDEWALK (TYP.)

18" CONCRETE CURB & GUTTER (TYP.)

PROPOSED BUILDING PAD (TYP.)

5' SIDE BUILDING SETBACK (TYP.)

10' REAR BUILDING SETBACK (TYP.)

PROPOSED CURB INLET (TYP.)

PROPOSED FIRE HYDRANT (TYP.)

PROPOSED SANITARY SEWER MANHOLE (TYP.)

24" STOP BAR

STOP SIGN

H/C RAMP

15' UTILITY EASEMENT & FRONT BUILDING SETBACK (TYP.)

20' DRAINAGE EASEMENT

15' DRAINAGE EASEMENT

30' DRAINAGE EASEMENT

WETLAND

25' WETLAND BUFFER

PERMANENT EASEMENT FOR ACCESS (SEE NOTE #10)

0 40 80 Feet

REV.	REVISIONS	BY	DATE

GEORGIA REGISTERED No. 38043 PROFESSIONAL ENGINEER JASON M. JOSEPH BRYANT

PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

LAYOUT, STRIPING & SIGNAGE PLAN

RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

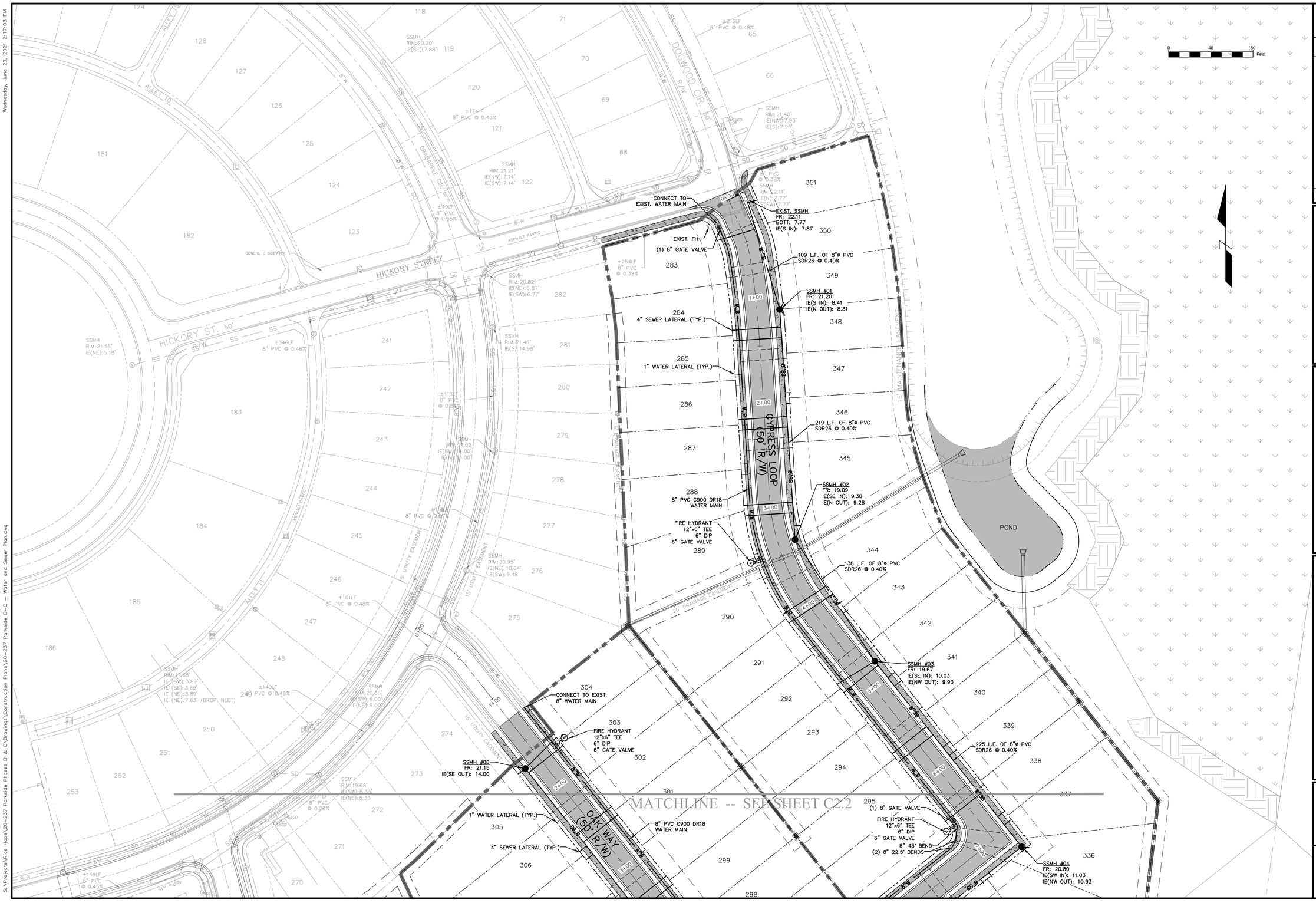
Project No.	20-237
Drawn By:	MJS
Designed By:	DMB
Checked By:	RAP
Scale:	1"=40'
Date:	5/25/21

SHEET
C1.2

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)

S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Construction Plans\20-237 Parkside B-C - Layout Striping and Signage Plan.dwg
Wednesday, June 23, 2021 2:15:01 PM

Wednesday, June 23, 2021 2:17:03 PM



S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Construction Plans\20-237 Parkside B-C - Water and Sewer Plan.dwg

REV.	REVISIONS	BY	DATE

GEORGIA REGISTERED No. 18045 PROFESSIONAL ENGINEER JASON M. JOSEPH BRYANT

PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

WATER AND SEWER PLAN

RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

Project No.	20-237
Drawn By:	MJS
Designed By:	DMB
Checked By:	RAP
Scale:	1"=40'
Date:	5/25/21

SHEET
C2.1

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)

Wednesday, June 23, 2021 2:17:31 PM

MATCHLINE -- SEE SHEET C2.1

OAK WAY (50' R/W)

CYPRESS LOOP (50' R/W)

PARKSIDE BLVD. 50' R/W

304 CONNECT TO EXIST. 8" WATER MAIN

303 FIRE HYDRANT 12"x6" TEE 6" DIP 6" GATE VALVE

SSMH #08 FR: 21.15 IE(SE OUT): 14.00

1" WATER LATERAL (TYP.)

4" SEWER LATERAL (TYP.)

8" PVC C900 DR18 WATER MAIN

351 L.F. OF 8"ø PVC SDR26 @ 0.40%

309 FIRE HYDRANT 12"x6" TEE 6" DIP 6" GATE VALVE

SSMH #05 FR: 20.69 IE(SW IN): 12.42 IE(NW IN): 12.60 IE(NE OUT): 12.32

SSMH #03 FR: 19.67 IE(SE IN): 10.03 IE(NW OUT): 9.93

225 L.F. OF 8"ø PVC SDR26 @ 0.40%

(1) 8" GATE VALVE

FIRE HYDRANT 12"x6" TEE 6" DIP 6" GATE VALVE

8" 45° BEND

(2) 8" 22.5° BENDS

SSMH #04 FR: 20.80 IE(SW IN): 11.03 IE(NW OUT): 10.93

8"x8" TEE (3) 8" GATE VALVE

323 L.F. OF 8"ø PVC SDR26 @ 0.40%

194 L.F. OF 8"ø PVC SDR26 @ 0.40%

SSMH #06 FR: 19.71 IE(SW IN): 13.30 IE(NE OUT): 13.20

220 L.F. OF 8"ø PVC SDR26 @ 0.70%

CONNECT TO EXIST. 8" WATER MAIN

(1) 8" 22.5° BEND

SSMH #07 FR: 20.47 IE(NE OUT): 14.84

SSMH RIM:17.68' IE (SW): 3.89' IE (SE): 3.89' IE (NE): 3.89' IE (NE): 7.63' (DROP INLET)

±140LF 8" PVC @ 0.48%

SSMH RIM:20.56' IE(SW): 9.00' IE(NE): 9.00'

SSMH RIM:19.69' IE(SW): 8.33' IE(NE): 8.33'

227LF 8" PVC @ 0.26%

±159LF 8" PVC @ 0.45%

SSMH RIM:16.89' IE (NE): 3.17'

±117LF 8" PVC @ 0.54%

SSMH RIM:20.88' IE (NW): 4.52'

15' DRAINAGE EASEMENT

30' DRAINAGE EASEMENT

15' UTILITY EASEMENT

20' DRAINAGE EASEMENT

PERMANENT EASEMENT FOR ACCESS (SEE NOTE #10)

0 40 80 Feet

REV.	REVISIONS	BY	DATE

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 18904 JASON MICHAEL JOSEPH BRYANT

PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

WATER AND SEWER PLAN

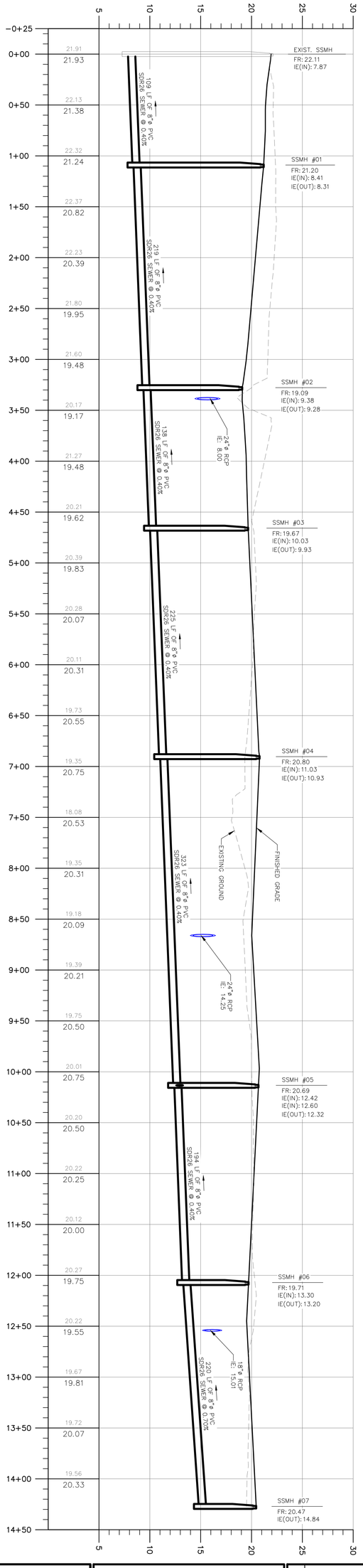
RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

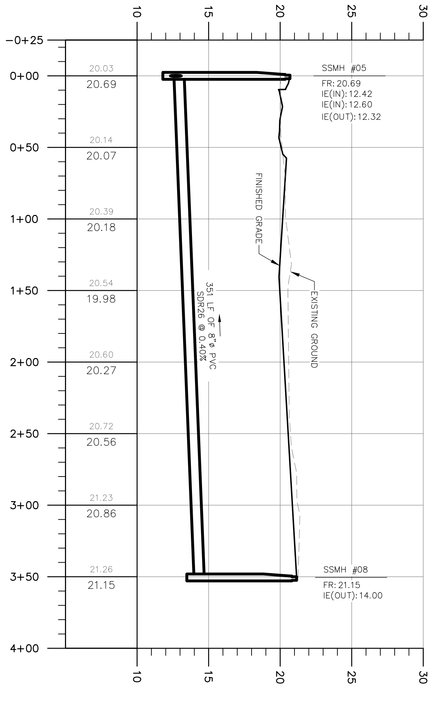
Project No.	20-237
Drawn By:	MJS
Designed By:	DMB
Checked By:	RAP
Scale:	1"=40'
Date:	5/25/21

SHEET
C2.2

S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Construction Plans\20-237 Parkside B-C - Water and Sewer Plan.dwg

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)





SHEET
C2.3

Project No. 20-237
Drawn By: MJS
Designed By: DMB
Checked By: RAP
Scale: 50'H/5'V
Date: 5/25/21

SEWER PROFILES

RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

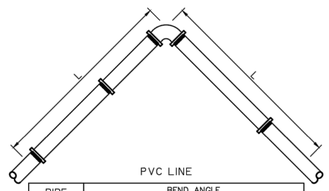
PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

GEORGIA REGISTERED No. 38245 PROFESSIONAL ENGINEER JASON JOSEPH BRYANT

JASON BRYANT
GSWCC LEVEL II
DESIGN PROFESSIONAL
CERTIFICATION #73897

REV.	REVISIONS	BY	DATE

Wednesday, June 23, 2021 2:19:22 PM



PVC LINE

PIPE DIA.	BEND ANGLE			
	11 1/4°	22 1/2°	45°	90°
4	3	6	12	29
6	4	8	17	41
8	5	11	22	53
10	6	13	26	64
12	7	15	31	75

DUCTILE IRON LINE

PIPE DIA.	BEND ANGLE			
	11 1/4°	22 1/2°	45°	90°
4	2	4	8	20
6	3	6	12	28
8	4	7	15	36
10	4	9	18	43
12	5	10	21	51
16	6	13	27	65
20	8	16	33	79
24	9	18	38	92

MINIMUM RESTRAINED LENGTH (L)

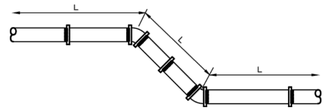
NOTES:

1. LENGTH OF RESTRAINT SHOWN IS IN FEET.
2. WHERE LINES CONSIST OF BOTH DUCTILE IRON AND PVC WITHIN THE LIMITS OF REQUIRED RESTRAINT, LIMITS FOR PVC SHALL APPLY.

STANDARD HORIZONTAL BEND RESTRAINT

City of Port Wentworth
TECHNICAL DETAILS
W-27

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.
SCALE: N.T.S.
DATED: FEBRUARY 2007



PVC LINE

PIPE DIA.	BEND ANGLE			
	11 1/4°	22 1/2°	45°	90°
4	5	10	22	52
6	7	15	30	74
8	9	19	40	96
10	11	23	48	115
12	13	27	56	136

DUCTILE IRON LINE

PIPE DIA.	BEND ANGLE			
	11 1/4°	22 1/2°	45°	90°
4	3	6	12	28
6	4	8	17	40
8	4	10	22	52
10	5	12	26	62
12	6	15	30	73
16	7	19	39	94
20	11	23	47	114
24	13	26	55	132

MINIMUM RESTRAINED LENGTH (L)

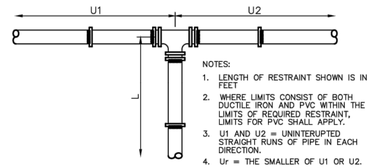
NOTES:

1. LENGTH OF RESTRAINT SHOWN IS IN FEET.
2. WHERE LINES CONSIST OF BOTH DUCTILE IRON AND PVC WITHIN THE LIMITS OF REQUIRED RESTRAINT, LIMITS FOR PVC SHALL APPLY.

STANDARD VERTICAL BEND RESTRAINT

City of Port Wentworth
TECHNICAL DETAILS
W-28

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.
SCALE: N.T.S.
DATED: FEBRUARY 2007



NOTES:

1. LENGTH OF RESTRAINT SHOWN IS IN FEET
2. WHERE LIMITS CONSIST OF BOTH DUCTILE IRON AND PVC WITHIN THE LIMITS OF REQUIRED RESTRAINT, LIMITS FOR PVC SHALL APPLY.
3. U1 AND U2 = UNINTERRUPTED STRAIGHT RUNS OF PIPE IN EACH DIRECTION.
4. Ur = THE SMALLER OF U1 OR U2.
5. L = MINIMUM RESTRAINED LENGTH ALONG THE BRANCH
6. WHERE Ur IS LESS THAN 5', RESTRAIN TEE AS A 90° HORIZONTAL BEND.

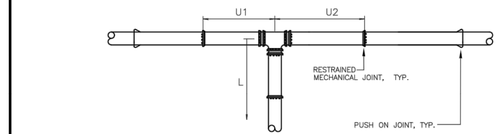
Ur	5°-10°	11°-20°	21°-35°	> 35°
4x4	43	28	4	*
6x4	38	17	*	*
6x6	64	49	25	*
8x4	34	6	*	*
8x6	61	42	10	*
8x8	87	72	48	12
10x4	29	*	*	*
10x6	58	34	*	*
10x8	84	66	35	*
10x10	106	91	67	31
12x4	24	*	*	*
12x6	54	26	*	*
12x8	82	60	23	*
12x10	104	86	57	13
12x12	126	112	87	51

MINIMUM RESTRAINED LENGTH (L)
* RESTRAIN AT TEE ONLY

STANDARD TEE RESTRAINT (PVC LINE)

City of Port Wentworth
TECHNICAL DETAILS
W-29

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.
SCALE: N.T.S.
DATED: FEBRUARY 2007



NOTES:

1. LENGTH OF RESTRAINT SHOWN IS IN FEET.
2. WHERE LINES CONSIST OF BOTH DUCTILE IRON AND PVC WITHIN THE LIMITS OF REQUIRED RESTRAINT, LIMITS FOR PVC SHALL APPLY.
3. U1 AND U2 = UNINTERRUPTED STRAIGHT RUNS OF RESTRAINED JOINT PIPE IN EACH DIRECTION.
4. Ur = THE SMALLER OF U1 OR U2 (E.G., U1, IN THE ABOVE DIAGRAM)
5. L = MINIMUM RESTRAINED LENGTH ALONG THE BRANCH.
6. WHERE Ur IS LESS THAN 5', RESTRAIN TEE AS A 90° HORIZONTAL BEND.

DUCTILE IRON LINE

Ur / U2	5°-10°	11°-20°	21°-35°	36°-50°	50°-75°	75°-100°
4X4	23	15	2	*	*	*
6X4	21	9	*	*	*	*
6X6	35	27	14	*	*	*
8X4	18	3	*	*	*	*
8X6	33	23	5	*	*	*
8X8	47	39	26	6	*	*
10X4	16	*	*	*	*	*
10X6	31	18	*	*	*	*
10X8	46	36	19	*	*	*
10X10	57	49	36	17	*	*
12X4	13	*	*	*	*	*
12X6	30	14	*	*	*	*
12X8	44	32	13	*	*	*
12X10	56	47	31	7	*	*
12X12	68	60	47	28	*	*
16X6	28	4	*	*	*	*
16X8	41	25	*	*	*	*

DUCTILE IRON LINE

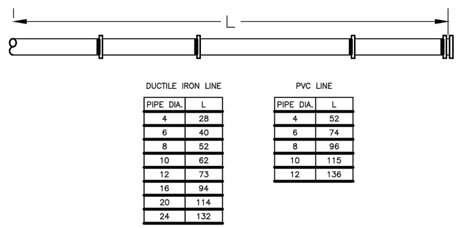
Ur / U2	5°-10°	11°-20°	21°-35°	36°-50°	50°-75°	75°-100°
16X10	54	41	20	*	*	*
16X12	66	56	38	*	*	*
16X16	89	81	58	*	*	*
20X6	22	*	*	*	*	*
20X8	38	18	*	*	*	*
20X10	51	35	8	*	*	*
20X12	64	51	28	*	*	*
20X16	87	77	60	35	10	*
20X20	108	100	87	67	48	*
24X6	18	*	*	*	*	*
24X8	35	10	*	*	*	*
24X10	49	29	*	*	*	*
24X12	62	45	17	*	*	*
24X16	86	73	53	22	*	*
24X20	107	97	81	57	33	*
24X24	127	119	106	86	66	33

MINIMUM RESTRAINED LENGTH (L)
*RESTRAIN AT TEE ONLY.

STANDARD TEE RESTRAINT (DUCTILE IRON PIPE)

City of Port Wentworth
TECHNICAL DETAILS
W-30

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.
SCALE: N.T.S.
DATED: FEBRUARY 2007



DUCTILE IRON LINE

PIPE DIA.	L
4	28
6	40
8	52
10	62
12	73
16	94
20	114
24	132

PVC LINE

PIPE DIA.	L
4	52
6	74
8	96
10	115
12	136

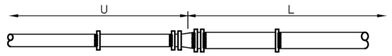
NOTES:

1. LENGTH OF RESTRAINT SHOWN IS IN FEET.
2. WHERE LIMITS CONSIST OF BOTH DUCTILE IRON AND PVC WITHIN THE LIMITS OF REQUIRED RESTRAINT, LIMITS FOR PVC SHALL APPLY.
3. FOR LINE STUBS (SEE DETAIL W39). THE LENGTH OF RESTRAINT (L) SHALL BE FROM THE VALVE AND NOT THE CAP.

STANDARD DEAD END RESTRAINT

City of Port Wentworth
TECHNICAL DETAILS
W-31

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.
SCALE: N.T.S.
DATED: FEBRUARY 2007



DUCTILE IRON LINE

REDUCER	U	L
6x4	30	21
8x4	72	38
8x6	29	22
10x4	123	51
10x6	63	38
10x8	26	21
12x4	186	64
12x6	106	53
12x8	59	39
12X10	26	21
16x6	214	79
16x8	141	68
16x10	91	56
16x12	54	40
20x10	174	84
20x12	123	71
20x16	51	40
24x12	207	97
24x16	113	72
24x20	48	39

PVC LINE

REDUCER	U	L
6x4	56	38
8x4	134	69
8x6	53	40
10x4	227	94
10x6	117	71
10x8	49	39
12x4	343	118
12x6	196	99
12x8	109	72
12x10	48	40

U = MINIMUM UNITERRUPTED STRAIGHT RUN OF PIPE ON SMALL SIDE OF REDUCER.

L = MINIMUM RESTRAINED LENGTH.

* WHERE MINIMUM "U" IS NOT MET, PIPE ON LARGE SIDE OF REDUCER SHALL BE RESTAINED FOR A MINIMUM OF "L" FEET.

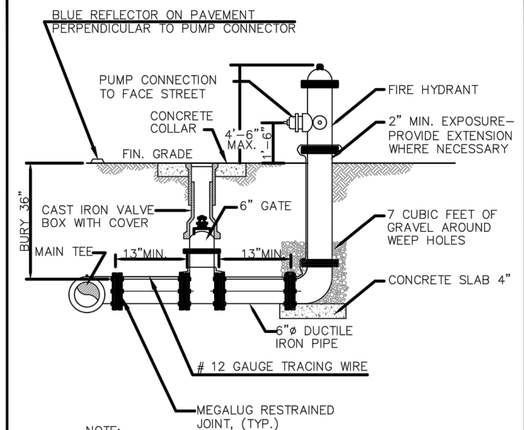
NOTES:

1. LENGTH OF RESTRAINT SHOWN IS IN FEET.
2. WHERE LIMITS CONSIST OF BOTH DUCTILE IRON AND PVC WITHIN THE LIMITS OF REQUIRED RESTRAINT, LIMITS FOR PVC SHALL APPLY.

STANDARD REDUCER RESTRAINT

City of Port Wentworth
TECHNICAL DETAILS
W-32

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.
SCALE: N.T.S.
DATED: FEBRUARY 2007



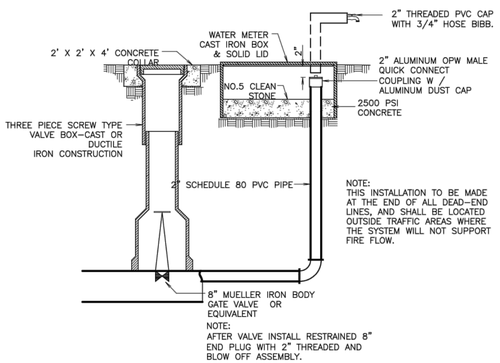
NOTE:

1. ALL JOINTS FROM MAIN TO HYDRANT SHALL BE RESTRAINED.
2. PROTECT BOLTS AND THREADS FROM CONCRETE.

STANDARD FIRE HYDRANT

City of Port Wentworth
TECHNICAL DETAILS
W-9

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.
SCALE: N.T.S.
DATED: FEBRUARY 2007



FLUSH VALVE & RISER BLOW-OFF DETAIL

NOT TO SCALE

REV.	REVISIONS	BY	DATE

JASON BRYANT
GSWCC LEVEL II
DESIGN PROFESSIONAL
CERTIFICATION #73897

GEORGIA REGISTERED No. 38245 PROFESSIONAL ENGINEER JASON JOSEPH BRYANT

PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

WATER AND SEWER DETAILS

RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

Project No. 20-237
Drawn By: MJS
Designed By: DMB
Checked By: RAP
Scale: ----
Date: 5/25/21

SHEET
C2.4

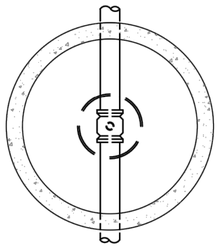
Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)

S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Construction Plans\20-237 Parkside B-C - Water & Sewer Details.dwg

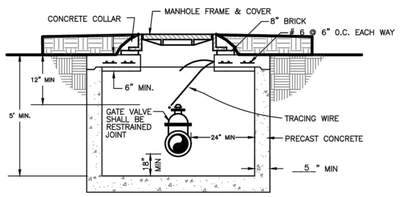
Wednesday, June 23, 2021 2:19:46 PM

NOTES:

1. MANHOLE FRAME AND COVER SHALL BE NEENAH FOUNDRY CO, CATALOG NO. R-1668, TYPE C, LABELED "WATER".
2. THE BOTTOM OF THE MANHOLE FRAME SHALL NOT BE MORE THAN 12" ABOVE THE TOP OF THE MANHOLE STRUCTURE.
3. PRECAST CONCENTRIC CONE RISERS MAY BE USED WHERE REQUIRED FOR DEPTH.
4. THE MANHOLE FRAME AND COVER MUST BE CENTERED OVER THE VALVE.



PLAN



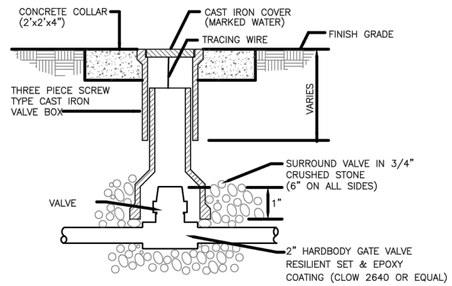
VALVE MANHOLE FOR 8" & GREATER GATE VALVE

City of Port Wentworth
TECHNICAL DETAILS

W-14

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.

SCALE: N.T.S.
DATED: FEBRUARY 2007



NOTE:

1. THIS DETAIL APPLIES TO VALVES.
2. IN UNPAVED AREAS, SET TOP OF CONC. COLLAR 1" ABOVE FINISHED GRADE. IN PAVED AREAS SET TOP OF BOX FLUSH W/ PAVEMENT. NO CONC. COLLAR REQUIRED.
3. VALVE BOX SHALL NOT REST ON THE VALVE

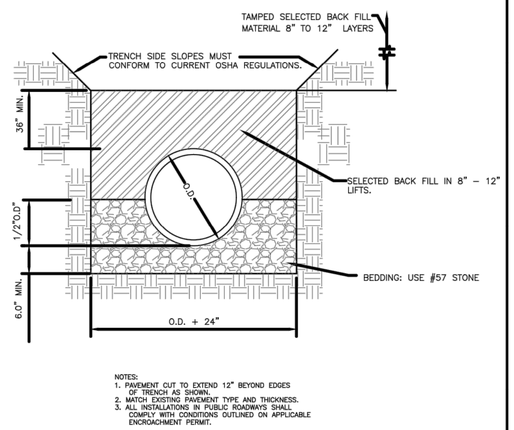
2" WATER VALVE

City of Port Wentworth
TECHNICAL DETAILS

W-18

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.

SCALE: N.T.S.
DATED: FEBRUARY 2007



NOTES:
1. PAVEMENT CUT TO EXTEND 12" BEYOND EDGES OF TRENCH AS SHOWN.
2. MATCH EXISTING PAVEMENT TYPE AND THICKNESS.
3. ALL INSTALLATIONS IN PUBLIC ROADWAYS SHALL COMPLY WITH CONDITIONS OUTLINED ON APPLICABLE ENCROACHMENT PERMIT.

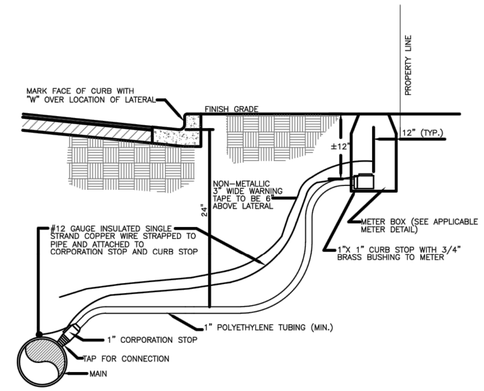
PIPE BEDDING

City of Port Wentworth
TECHNICAL DETAILS

S-8

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.

SCALE: N.T.S.
DATED: FEBRUARY 2007



NOTE:
ALL FITTINGS IN LATERAL SHALL BE COMPRESSION TYPE.

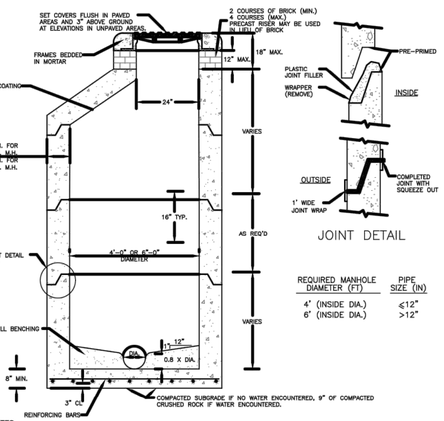
WATER SERVICE LATERAL

City of Port Wentworth
TECHNICAL DETAILS

W-1

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.

SCALE: N.T.S.
DATED: FEBRUARY 2007



JOINT DETAIL

REQUIRED MANHOLE DIAMETER (FT)	PIPE SIZE (IN)
4' (INSIDE DIA.)	≤12"
6' (INSIDE DIA.)	>12"

NOTES:

1. PRECAST REINFORCED CONCRETE TOPS, RISERS, BASES AND REBARS SHALL CONFORM TO LATEST ASTM C-478 STD. SPECIFICATIONS.
2. INTERIOR OF MANHOLE SHALL BE COATED IN ACCORDANCE WITH CITY OF PORT WENTWORTH STD. SPECIFICATIONS. THE EXTERIOR OF MANHOLE SHALL BE COATED WITH CONSEAL CS-55 DAMP-PROOF COATING OR EQUAL
3. MANUFACTURER CERTIFICATION THAT MANHOLE MEETS ASTM SPECIFICATION SHALL BE SUBMITTED TO CITY OF PORT WENTWORTH.
4. SEE DETAIL SHEET FOR MANHOLE COVER & FRAME.
6. BUOYANCY MAY NEED TO BE CHECKED IF NECESSARY
7. ALL PIPE PENETRATIONS SHALL HAVE A BOOT CONNECTION. SEE DETAIL S-6.

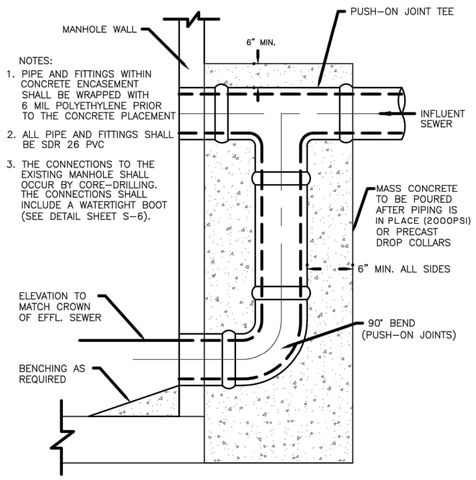
PRECAST CONCRETE MANHOLE

City of Port Wentworth
TECHNICAL DETAILS

S-1

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.

SCALE: N.T.S.
DATED: FEBRUARY 2007



NOTES:
1. PIPE AND FITTINGS WITHIN CONCRETE ENCASEMENT SHALL BE WRAPPED WITH 6 MIL POLYETHYLENE PRIOR TO THE CONCRETE PLACEMENT
2. ALL PIPE AND FITTINGS SHALL BE SDR 26 PVC
3. THE CONNECTIONS TO THE EXISTING MANHOLE SHALL OCCUR BY CORE-DRILLING. THE CONNECTIONS SHALL INCLUDE A WATERTIGHT BOOT (SEE DETAIL SHEET S-6).

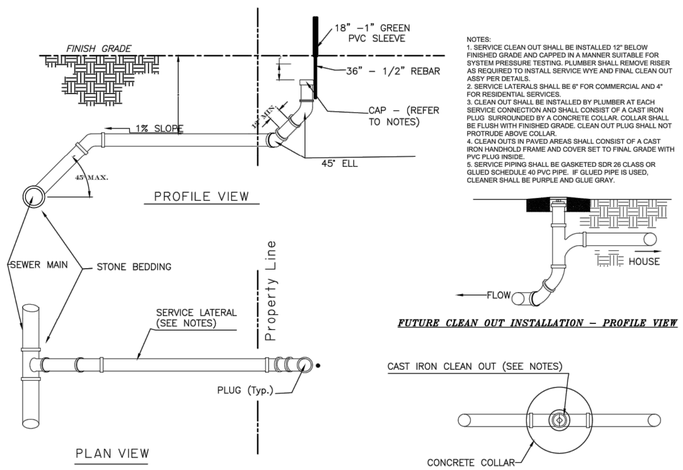
DROP MANHOLE CONNECTION

City of Port Wentworth
TECHNICAL DETAILS

S-7

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.

SCALE: N.T.S.
DATED: FEBRUARY 2007

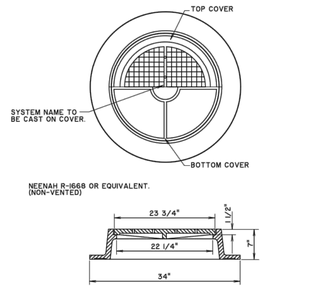


NOTES:
1. SERVICE CLEAN OUT SHALL BE INSTALLED 12" BELOW FINISHED GRADE AND CAPPED IN A MANNER SUITABLE FOR SYSTEM PRESSURE TESTING. PLUMBER SHALL REMOVE RISER AS REQUIRED TO INSTALL SERVICE WYE AND FINAL CLEAN OUT ASSY PER DETAILS.
2. SERVICE LATERALS SHALL BE 6" FOR COMMERCIAL AND 4" FOR RESIDENTIAL SERVICES.
3. CLEAN OUT SHALL BE INSTALLED BY PLUMBER AT EACH SERVICE CONNECTION AND SHALL CONSIST OF A CAST IRON PLUG SURROUNDED BY A CONCRETE COLLAR. COLLAR SHALL BE FLUSH WITH FINISHED GRADE. CLEAN OUT PLUG SHALL NOT PROTRUDE ABOVE COLLAR.
4. CLEAN OUTS IN PAVED AREAS SHALL CONSIST OF A CAST IRON HANDHOLD FRAME AND COVER SET TO FINAL GRADE WITH PVC PLUG INSIDE.
5. SERVICE PIPING SHALL BE GASKETED SDR 26 CLASS OR GLUED SCHEDULE 40 PVC PIPE. IF GLUED PIPE IS USED, CLEANER SHALL BE PURPLE AND GLUE GRAY.

FUTURE CLEAN OUT INSTALLATION – PROFILE VIEW

FUTURE CLEAN OUT – PLAN VIEW

SINGLE SERVICE SEWER LATERAL
NOT TO SCALE



NOTE:
CASTINGS SHALL BE OF UNIFORM QUALITY, FREE FROM BLOWHOLES, POROSITY, HARD SPOTS, SHRINKAGE, DISTORTION OR OTHER DEFECTS THEY SHALL BE SMOOTH AND WELL CLEANED BY SHOTBLASTING OR BY SOME OTHER APPROVED METHOD.

MATERIALS USED IN THE MANUFACTURE OF CASTINGS SHOULD CONFORM TO ASTM, AASHTO, ASA, MIL, AMS OR SPECIFICATIONS FOR GRAY IRON OR DUCTILE IRON AS FOLLOWS: GRAY IRON-ASTM A48, CLASS 35B, DUCTILE IRON-ASTM A536, CLASS 80-55-06.

ALL CASTINGS SHALL BE MANUFACTURED TRUE TO PATTERN: COMPONENT PARTS SHALL FIT TOGETHER IN A SATISFACTORY MANNER, ROUND FRAMES AND COVERS SHALL BE OF NON-ROCKING DESIGN, OR SHALL HAVE MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING UNDER TRAFFIC.

DEVIATIONS SHALL NOT EXCEED TOLERANCES PERMITTED BY ASTM STANDARDS

MANHOLE FRAME AND COVER DETAIL
NOT TO SCALE

REV.	REVISIONS	BY	DATE

JASON BRYANT
GSWCC LEVEL II
DESIGN PROFESSIONAL
CERTIFICATION #73897

GEORGIA REGISTERED No. 38245 PROFESSIONAL ENGINEER JASON JOSEPH

PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

WATER AND SEWER DETAILS

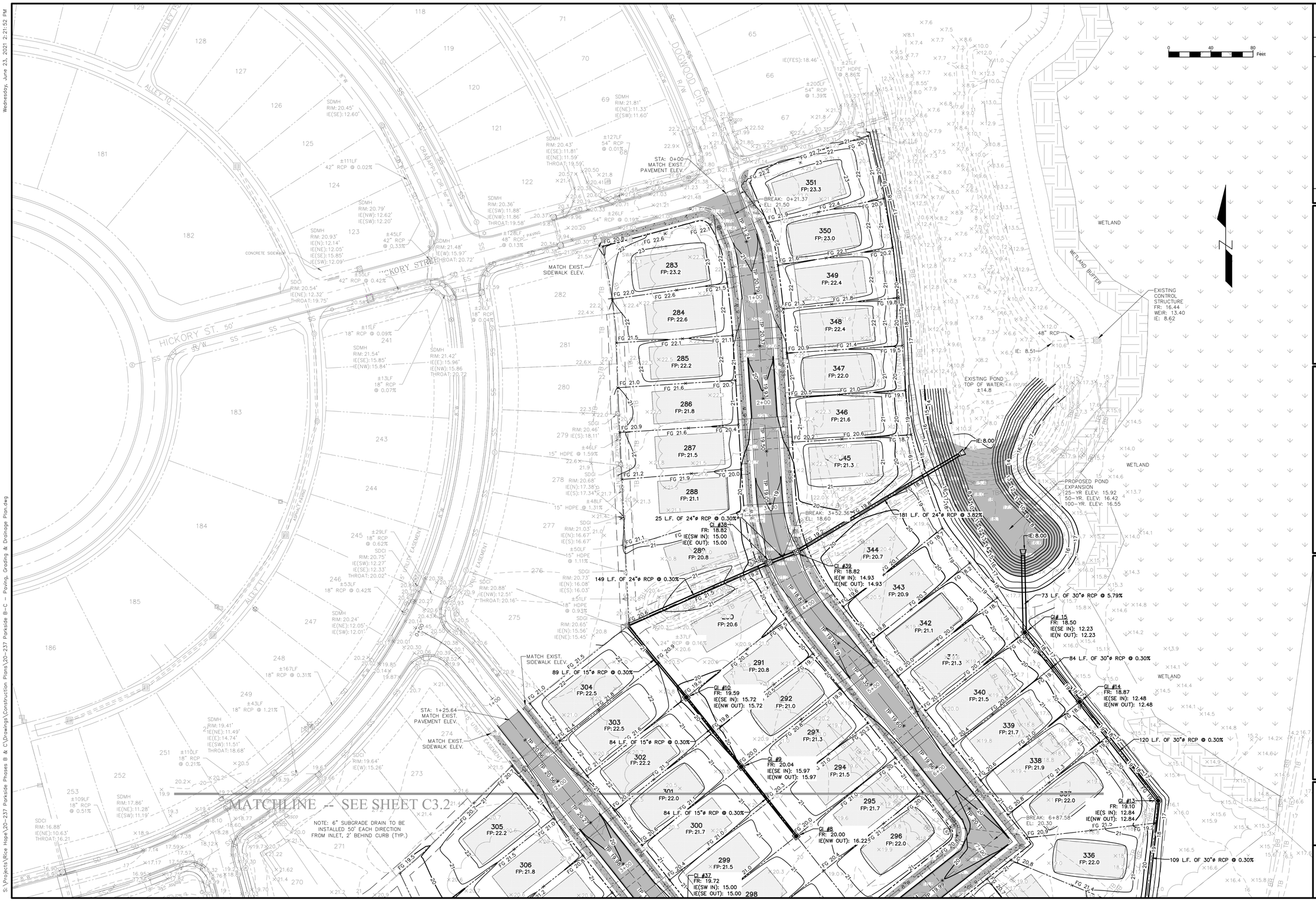
RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

Project No.	20-237
Drawn By:	MJS
Designed By:	DMB
Checked By:	RAP
Scale:	----
Date:	5/25/21

SHEET
C2.5

S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Construction Plans\20-237 Parkside B-C - Water & Sewer Details.dwg

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)



REV.	REVISIONS	BY	DATE

GEORGIA REGISTERED No. 38245 PROFESSIONAL ENGINEER JASON JOSEPH BRYANT

PITTMAN ENGINEERING
2591 Hwy 175 Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

PAVING, GRADING & DRAINAGE PLAN

RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

Project No. 20-237
Drawn By: MJS
Designed By: DMB
Checked By: RAP
Scale: 1"=40'
Date: 5/25/21

SHEET
C3.1

Wednesday, June 23, 2021 2:21:52 PM

S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Construction Plans\20-237 Parkside B-C - Paving, Grading & Drainage Plan.dwg

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Prelimary Plat)

MATCHLINE -- SEE SHEET C3.1

NOTE: 6" SUBGRADE DRAIN TO BE INSTALLED 50' EACH DIRECTION FROM INLET, 2' BEHIND CURB (TYP.)

MATCH EXIST. SIDEWALK ELEV.

89 L.F. OF 15"ø RCP @ 0.30%

STA: 1+25.64
MATCH EXIST. PAVEMENT ELEV.

MATCH EXIST. SIDEWALK ELEV.

84 L.F. OF 15"ø RCP @ 0.30%

25 L.F. OF 15"ø RCP @ 0.30%

BREAK: 3+81.14
EL: 19.50

107 L.F. OF 15"ø RCP @ 0.30%

STA: 14+08.70
MATCH EXIST. PAVEMENT ELEV.

MATCH EXIST. SIDEWALK ELEV.

MATCH EXIST. SIDEWALK ELEV.

84 L.F. OF 30"ø RCP @ 0.30%

120 L.F. OF 30"ø RCP @ 0.30%

109 L.F. OF 30"ø RCP @ 0.30%

BREAK: 6+87.58
EL: 20.30

96 L.F. OF 30"ø RCP @ -0.30%

25 L.F. OF 18"ø RCP @ -0.30%

133 L.F. OF 24"ø RCP @ -0.30%

118 L.F. OF 15"ø RCP @ 0.30%

131 L.F. OF 30"ø RCP @ -0.30%

BREAK: 9+77.58
EL: 20.25

131 L.F. OF 24"ø RCP @ 0.30%

126 L.F. OF 24"ø RCP @ 0.30%

31 L.F. OF 15"ø RCP @ 0.30%

BREAK: 12+25.71
EL: 19.00

133 L.F. OF 18"ø RCP @ 0.30%

131 L.F. OF 24"ø RCP @ 0.30%

131 L.F. OF 15"ø RCP @ 0.30%

121 L.F. OF 15"ø RCP @ 0.30%

PERMANENT EASEMENT FOR ACCESS (SEE NOTE #10)

GI #1	FR: 19.50 IE(NW IN): 15.01 IE(SW IN): 15.00 IE(NE OUT): 15.01
GI #2	FR: 19.70 IE(SW IN): 15.39 IE(NE OUT): 15.39
GI #3	FR: 19.55 IE(NE OUT): 15.76
GI #4	FR: 19.70 IE(SW IN): 14.62 IE(NE OUT): 14.62
GI #5	FR: 19.90 IE(SW IN): 14.24 IE(NE OUT): 14.24
GI #6	FR: 19.01 IE(SW IN): 13.85 IE(NE IN): 13.85 IE(NW OUT): 13.85
GI #7	FR: 19.01 IE(NE IN): 13.45 IE(SW OUT): 13.45
GI #8	FR: 20.00 IE(NW OUT): 16.22
GI #9	FR: 20.04 IE(SE IN): 15.97 IE(NW OUT): 15.97
GI #10	FR: 19.59 IE(SE IN): 15.72 IE(NW OUT): 15.72
GI #12	FR: 19.20 IE(SW OUT): 13.1 IE(N OUT): 13.17
GI #13	FR: 19.10 IE(S IN): 12.84 IE(NW OUT): 12.84
GI #14	FR: 18.87 IE(SE IN): 12.48 IE(NW OUT): 12.48
GI #30	FR: 19.72 IE(SE IN): 14.32 IE(SW IN): 14.32
GI #31	FR: 19.72 IE(SE IN): 14.25 IE(NW OUT): 14.25
GI #32	FR: 19.27 IE(S OUT): 15.50
GI #33	FR: 19.27 IE(N IN): 15.41 IE(SE OUT): 15.41
GI #36	FR: 19.72 IE(NE OUT): 15.07
GI #37	FR: 19.72 IE(SW IN): 15.00 IE(SE OUT): 15.00
DMH #40	FR: 19.99 IE(NW IN): 14.68 IE(NE OUT): 14.68

0 40 80 Feet

REV.	REVISIONS	BY	DATE

GEORGIA REGISTERED PE No. 18045 PROFESSIONAL ENGINEER JASON JOSEPH GRYANT

PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

PAVING, GRADING & DRAINAGE PLAN

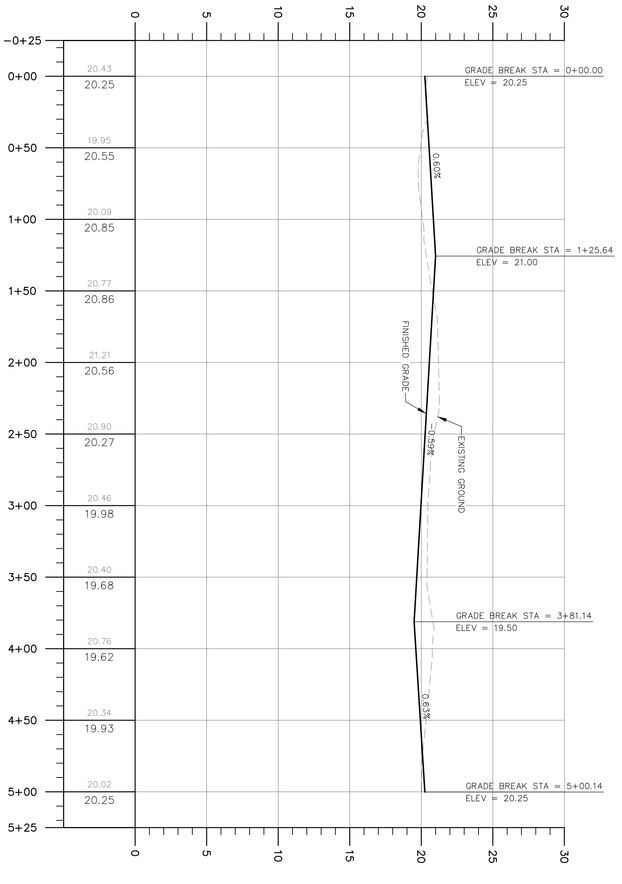
RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

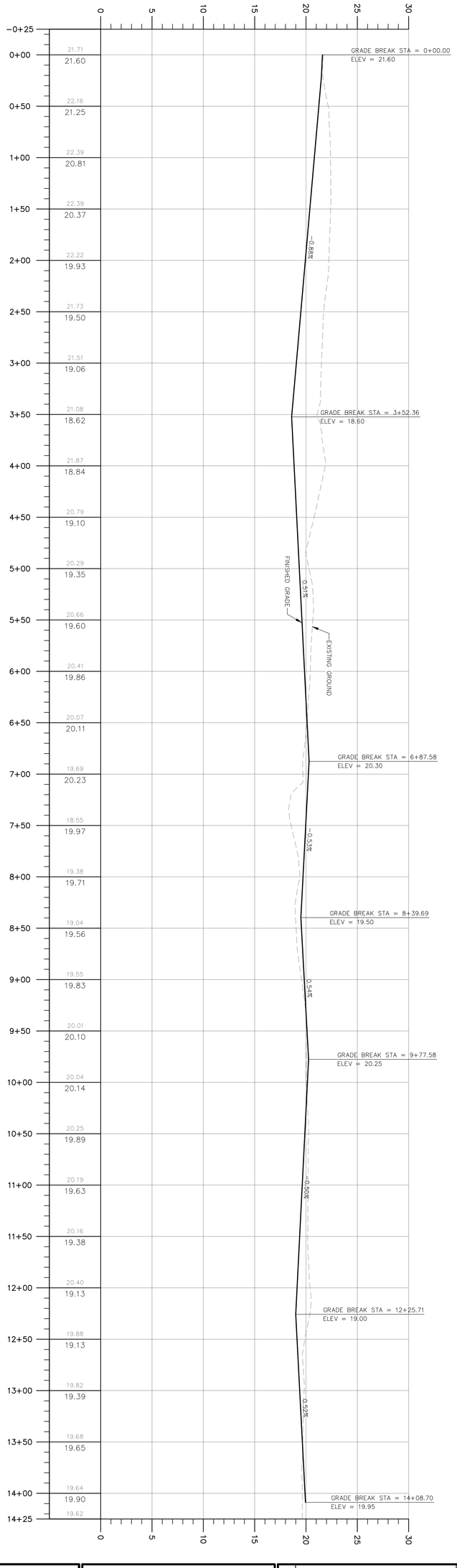
Project No.	20-237
Drawn By:	MJS
Designed By:	DMB
Checked By:	RAP
Scale:	1"=40'
Date:	5/25/21

SHEET
C3.2

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)

Wednesday, June 23, 2021 2:22:23 PM
S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Construction Plans\20-237 Parkside B-C - Paving, Grading & Drainage Plan.dwg





ROAD PROFILES

RICE HOPE

PARKSIDE PHASES B & C

Prepared For

BEP RICE HOPE, LLC

PITTMAN ENGINEERING

2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

GEORGIA REGISTERED No. 38245 PROFESSIONAL ENGINEER JASON JOSEPH BRYANT

JASON BRYANT
GSWCC LEVEL II
DESIGN PROFESSIONAL
CERTIFICATION #73897

REV.	REVISIONS	BY	DATE

Project No. 20-237
Drawn By: MJS
Designed By: DMB
Checked By: RAP
Scale: 50'H/5'V
Date: 5/25/21

SHEET C3.3

Wednesday, June 23, 2021 2:24:30 PM

REV.	REVISIONS	BY	DATE

JASON BRYANT
GSWCC LEVEL II
DESIGN PROFESSIONAL
CERTIFICATION #73897

GEORGIA REGISTERED No. 38245 PROFESSIONAL ENGINEER JASON BRYANT JOSEPH

PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

DRAINAGE PROFILES

RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

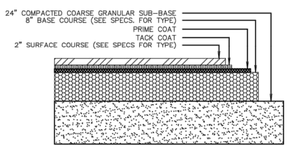
Project No.	20-237
Drawn By:	MJS
Designed By:	DMB
Checked By:	RAP
Scale:	50'H/5'V
Date:	5/25/21

SHEET
C3.4

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)

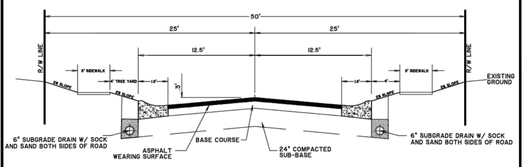
S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Construction Plans\20-237 Parkside B-C - Drainage Profiles.dwg

Wednesday, June 23, 2021 2:25:12 PM



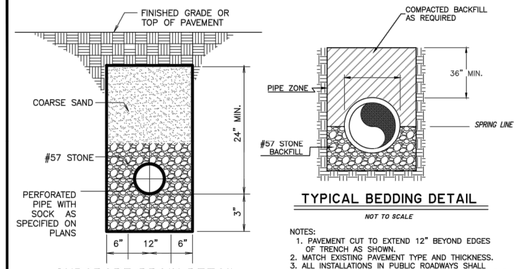
PAVEMENT SECTION
TYPICAL FOR NEIGHBORHOOD STREETS

NOT TO SCALE



TYPICAL SECTION
ROLL-OVER CURB
(TYPICAL FOR NEIGHBORHOOD STREETS)

NOT TO SCALE



SUBGRADE DRAIN DETAIL

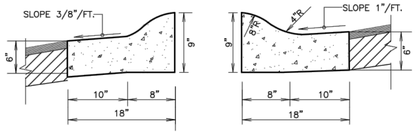
NOT TO SCALE

NOTES:
1. 6" PIPE SHALL BE ADS 6" DIA. PERFORATED TUBING OR APPROVED EQUIVALENT.
2. COARSE SAND BACKFILL SHALL BE USED.
3. MINIMUM GRADIENT FOR ALL SUBGRADE DRAIN SHALL BE 0.15%.

TYPICAL BEDDING DETAIL

NOT TO SCALE

NOTES:
1. PAVEMENT CUT TO EXTEND 12" BEYOND EDGES OF TRENCH AS SHOWN.
2. MATCH EXISTING PAVEMENT TYPE AND THICKNESS.
3. ALL INSTALLATIONS IN PUBLIC ROADWAYS SHALL COMPLY WITH CONDITIONS OUTLINED ON APPLICABLE ENCROACHMENT PERMIT.



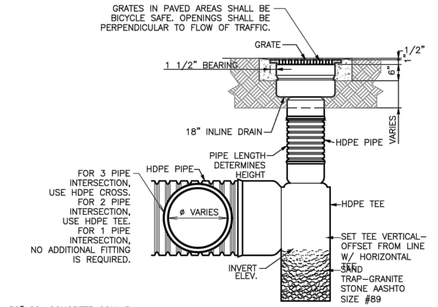
PITCH CURB

NORMAL CURB

NOTES:
1. ALL CONCRETE SHALL BE 3,000 PSI.
2. PROVIDE CONTROL JOINTS EVERY TEN FEET (10').
3. PROVIDE EXPANSION JOINTS EVERY FIFTY FEET (50).
4. PROVIDE EXPANSION JOINT WHERE CURB ABUTS SIDEWALKS, OR OTHER STRUCTURES.
5. PROVIDE LIGHT BROOM FINISH.
6. REFER TO CITY OF PORT WENTWORTH DETAIL: SD-10

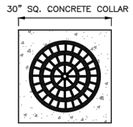
18" ROLL-OVER CURB & GUTTER

NOT TO SCALE



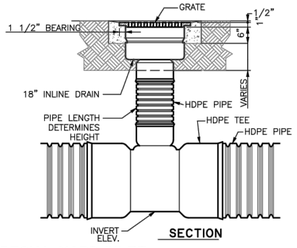
SPECIAL YARD INLET
END OF LINE SCENARIO

NOT TO SCALE



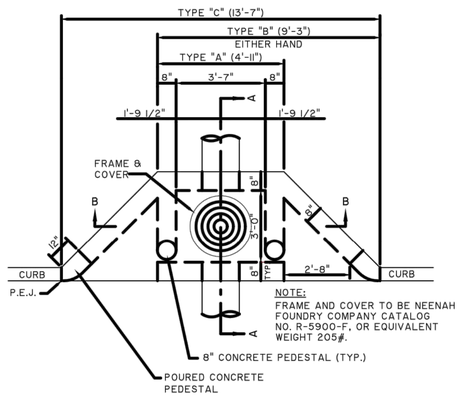
SPECIAL YARD
INLET COVER

NOTE:
USE SOLID LID FOR SPECIAL MANHOLE



SPECIAL YARD INLET

NOT TO SCALE



NOTE:
FRAME AND COVER TO BE NEENAH FOUNDRY COMPANY CATALOG NO. R-5900-F, OR EQUIVALENT WEIGHT 205#.

PLAN OF CURB INLET

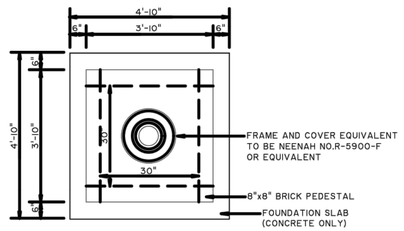
City of Port Wentworth

TECHNICAL DETAILS

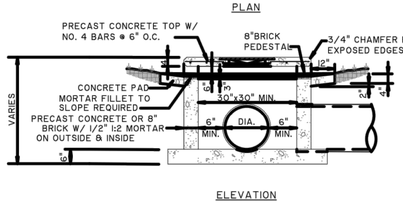
SD-1

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.

SCALE: N.T.S.
DATED: FEBRUARY 2007



PLAN



ELEVATION

ROOF INLET DETAIL

ROOF INLET DETAIL

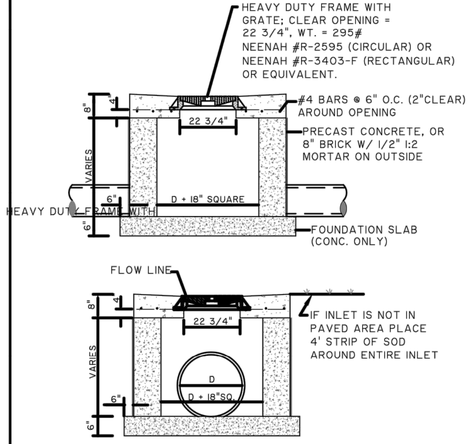
City of Port Wentworth

TECHNICAL DETAILS

SD-6

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.

SCALE: N.T.S.
DATED: FEBRUARY 2007



GRATE INLET

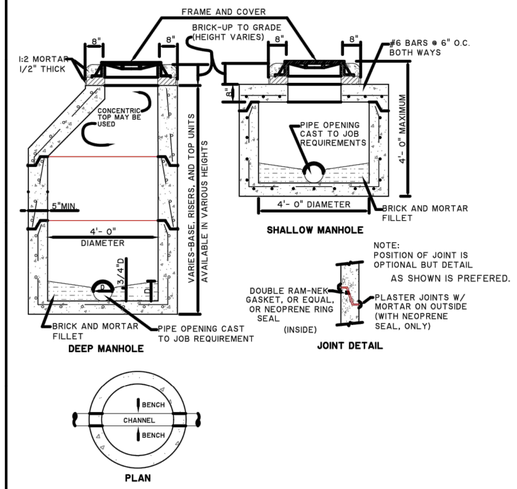
City of Port Wentworth

TECHNICAL DETAILS

SD-8

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.

SCALE: N.T.S.
DATED: FEBRUARY 2007



PRECAST STORM MANHOLE

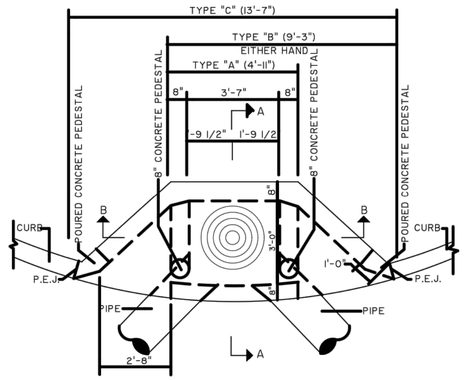
City of Port Wentworth

TECHNICAL DETAILS

SD-12

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.

SCALE: N.T.S.
DATED: FEBRUARY 2007



NOTE:
FRAME AND COVER TO BE NEENAH FOUNDRY COMPANY CATALOG NO. R-5900-F OR EQUIVALENT WEIGHT 205#

PLAN OF CRUB INLET ON RADIUS

City of Port Wentworth

TECHNICAL DETAILS

SD-2

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.

SCALE: N.T.S.
DATED: FEBRUARY 2007

REV.	REVISIONS	BY	DATE

JASON BRYANT
GSWCC LEVEL II
DESIGN PROFESSIONAL
CERTIFICATION #73897

GEORGIA REGISTERED No. 38245 PROFESSIONAL ENGINEER JASON JOSEPH BRYANT

PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

PAVING, GRADING & DRAINAGE DETAILS

RICE HOPE
PARKSIDE PHASES B & C

Prepared For
BEP RICE HOPE, LLC

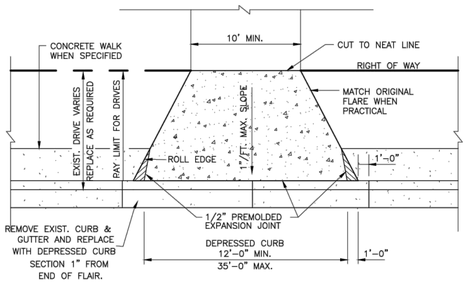
Project No. 20-237
Drawn By: MJS
Designed By: DMB
Checked By: RAP
Scale: ----
Date: 5/25/21

SHEET
C3.5

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)

S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Construction Plans\20-237 Parkside B-C - PSD Details.dwg

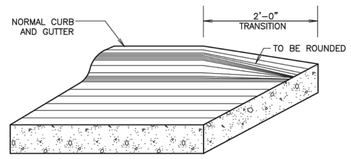
Wednesday, June 23, 2021 2:25:36 PM



1. SPACING OF CONTROL JOINTS SHALL NOT EXCEED 12' IN LENGTH OR BE LESS THAN 6' IN LENGTH.
2. CONCRETE SHALL BE 3000 PSI CONCRETE.
3. CURB SECTION AT DRIVEWAY SHALL BE SAW CUT PRIOR TO REMOVAL.
4. ALL NECESSARY STEPS SHALL BE TAKEN TO PROTECT STREET PAVING.

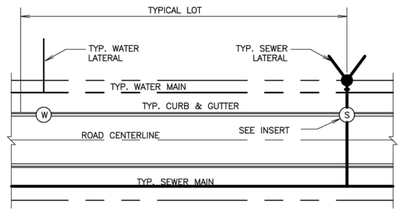
TYPICAL DRIVEWAY DETAIL

NOT TO SCALE



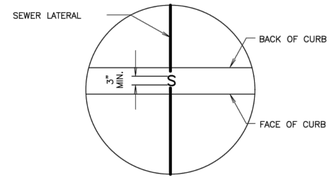
FEATHERING OF CURB AND GUTTER DETAIL

NOT TO SCALE



PLAN

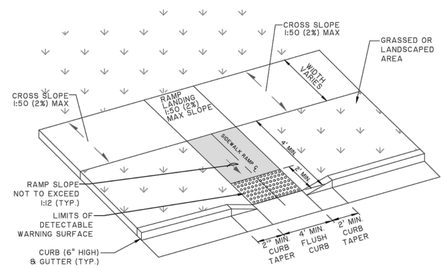
NOTE: STAMP 'S' IN FACE OF CONCRETE CURB & GUTTER "S" FOR SEWER LATERAL AND "W" FOR WATER LATERAL.



INSERT

CURB MARKING DETAIL WATER AND SEWER LATERAL LOCATIONS

NOT TO SCALE

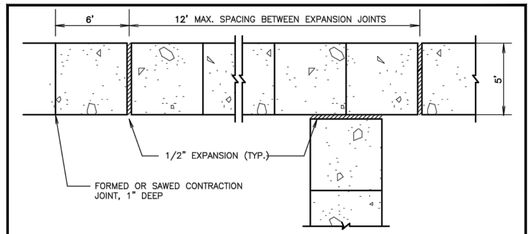


ISOMETRIC VIEW OF RAMP

NOTES:
1. CONSTRUCTION OF ACCESSIBLE CURB RAMP SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND ORDINANCES.
2. TRANSITIONS FROM RAMPS TO WALKS, GUTTERS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES. MAXIMUM SLOPES OF ADJOINING GUTTERS, ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP, OR ACCESSIBLE ROUTE SHALL NOT EXCEED 1:20 (5%)
3. CURB RAMP SHALL HAVE A DETECTABLE WARNING THAT EXTENDS THE FULL WIDTH OF CURB RAMP. SEE DETECTABLE WARNING DETAIL.
4. LONGITUDINAL SLOPE OF SIDEWALK TO BE NO GREATER THAN 1:20 (5%).

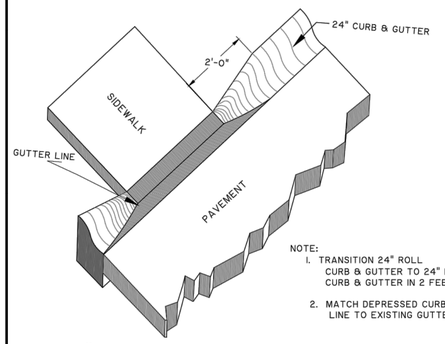
CURB RAMP "TYPE B" W/ SIDEWALK OFFSET FROM CURB

NOT TO SCALE



WALKWAY DETAILS

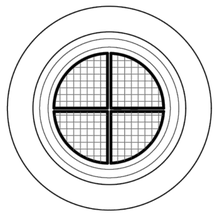
NOT TO SCALE



NOTE:
1. TRANSITION 24" ROLL CURB & GUTTER TO 24" DEPRESSED CURB & GUTTER IN 2 FEET.
2. MATCH DEPRESSED CURB & GUTTER LINE TO EXISTING GUTTER LINE.

24" DEPRESSED CURB TRANSITION DETAIL

NOT TO SCALE



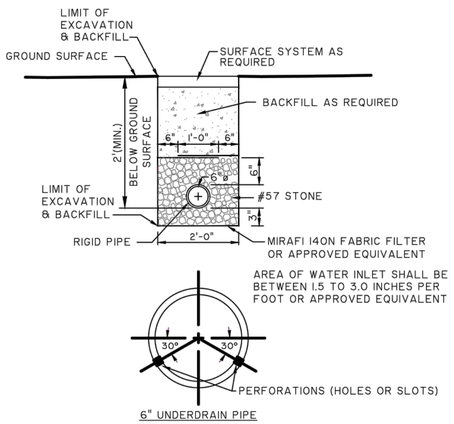
SECTION

NOTE:
MANHOLE RIM & COVER SIMILAR TO NEENAH FOUNDRY CO. R-1412-A4. TOTAL WEIGHT 310#. TYPE "C" LID TO HAVE MACHINED BEARING SURFACES. LID TO BE LETTERED "STORM",

STORM MANHOLE RING & COVER

City of Port Wentworth
TECHNICAL DETAILS
SD-14

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.
SCALE: N.T.S.
DATED: FEBRUARY 2007



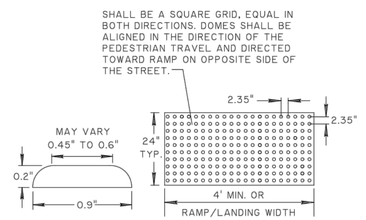
6" UNDERDRAIN PIPE

6" UNDERDRAIN PIPE

City of Port Wentworth
TECHNICAL DETAILS
SD-10

PREPARED BY STEVENSON & PALMER ENGINEERING, INC.
SCALE: N.T.S.
DATED: FEBRUARY 2007

SHALL BE A SQUARE GRID, EQUAL IN BOTH DIRECTIONS. DOMES SHALL BE ALIGNED IN THE DIRECTION OF THE PEDESTRIAN TRAVEL AND DIRECTED TOWARD RAMP ON OPPOSITE SIDE OF THE STREET.

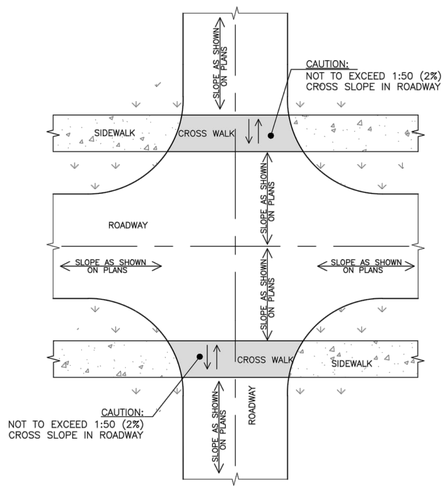


NOTE:
1. DETECTABLE WARNING SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCHES, A HEIGHT OF NOMINAL 0.2 INCHES AND A CENTER TO CENTER SPACING OF NOMINAL 2.35 INCHES AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES. IF THE SIDEWALK AND RAMP ARE CONSTRUCTED OF CONCRETE, THE WARNING AREA SHALL BE RED BRICK IN COLOR. IF THE SIDEWALK AND RAMP ARE CONSTRUCTED OF RED BRICK, THE WARNING AREA SHALL BE GRAY IN COLOR. THE COLOR USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE.
2. BRICK PAVERS SHALL BE SET IN A WET MORTAR BED ON A 4" MIN. THICK CONCRETE FOUNDATION.

DETECTABLE WARNING DETAIL

NOT TO SCALE

NOTE:
ALL SIDEWALKS TO MEET ADA STANDARDS



ROAD GRADING AT PEDESTRIAN CROSSING ON ACCESSIBLE ROUTE

NOT TO SCALE

REV.	REVISIONS	BY	DATE

JASON BRYANT
GSWCC LEVEL II
DESIGN PROFESSIONAL
CERTIFICATION #73897

GEORGIA REGISTERED No. 38245 PROFESSIONAL ENGINEER JASON JOSEPH BRYANT

PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

PAVING, GRADING & DRAINAGE DETAILS

RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

Project No.	20-237
Drawn By:	MJS
Designed By:	DMB
Checked By:	RAP
Scale:	----
Date:	5/25/21

SHEET
C3.6

S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Construction Plans\20-237 Parkside B-C - PSD Details.dwg

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)

Wednesday, June 23, 2021 2:26:51 PM

SEDIMENTATION & EROSION CONTROL PLAN LEGEND

TEMPORARY EMBEDDED HAY–BALE CHECK DAM	Cd–Hb	INLET SEDIMENT TRAP	Sd2–F
CONSTRUCTION EXIT	Co	TEMPORARY SEDIMENT BARRIER – TYPE "PIG IN A BLANKET"	Sd2–P
CONCRETE WASH–OUT	Cw	TEMPORARY SEDIMENT BASIN	Sd3
DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	Ds1	TEMPORARY SEDIMENT TRAP	Sd4
DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	Ds2	STORM DRAINAGE OUTLET PROTECTION	St
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	Ds3	STORM WATER DISCHARGE SAMPLING POINT	
DUST CONTROL ON DISTURBED AREAS	Du	STORM WATER DIVERSION	Di
FAIRCLOTH SKIMMER DISCHARGE SYSTEM WITH OUTLET STRUCTURE	Sk	LIMITS OF DISTURBANCE	
SLOTTED BOARD DAM WITH STONE–"RETROFIT"	Rt–B	TREE PROTECTION	
TEMPORARY SILT FENCE – TYPE "NON–SENSITIVE"	Sd1–NS	SOILS	Cc SOIL TYPE / Pn SOIL TYPE
TEMPORARY SILT FENCE – TYPE "SENSITIVE"	Sd1–S		

NOTE:
EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION AND SEDIMENT CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

NOTE:
THE INSTALLATION OF EROSION CONTROL AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO AND CONCURRENT WITH LAND–DISTURBING ACTIVITIES

0 40 80 Feet

CONSTRUCTION ENTRANCE
N: 806433.6371
E: 958533.3809
LAT: N032.2134
LONG: W081.1890

CONCRETE WASHDOWN

EXISTING TREE LINE

TREES TO BE REMOVED

TEMPORARY SILT FENCE – 30 INCHES MINIMUM HEIGHT TYPE "NON–SENSITIVE"

LIMITS OF DISTURBANCE

TEMPORARY SILT FENCE – DOUBLE ROW, 30 INCHES MINIMUM HEIGHT TYPE "SENSITIVE"

TEMP. SEDIMENT TRAP #1 DRAINAGE AREA=0.8ac.

TEMP. SEDIMENT TRAP #2 DRAINAGE AREA=4.2ac.

NPDES STORMWATER SAMPLING MONITORING LOCATION

CLEARING LIMITS

WETLANDS

WETLAND BUFFER

MATCHLINE – SEE SHEET EC1.2

REV.	DATE	BY	REVISIONS

PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 18043 JASON JOSEPH BRYANT

EROSION CONTROL PLAN - INITIAL

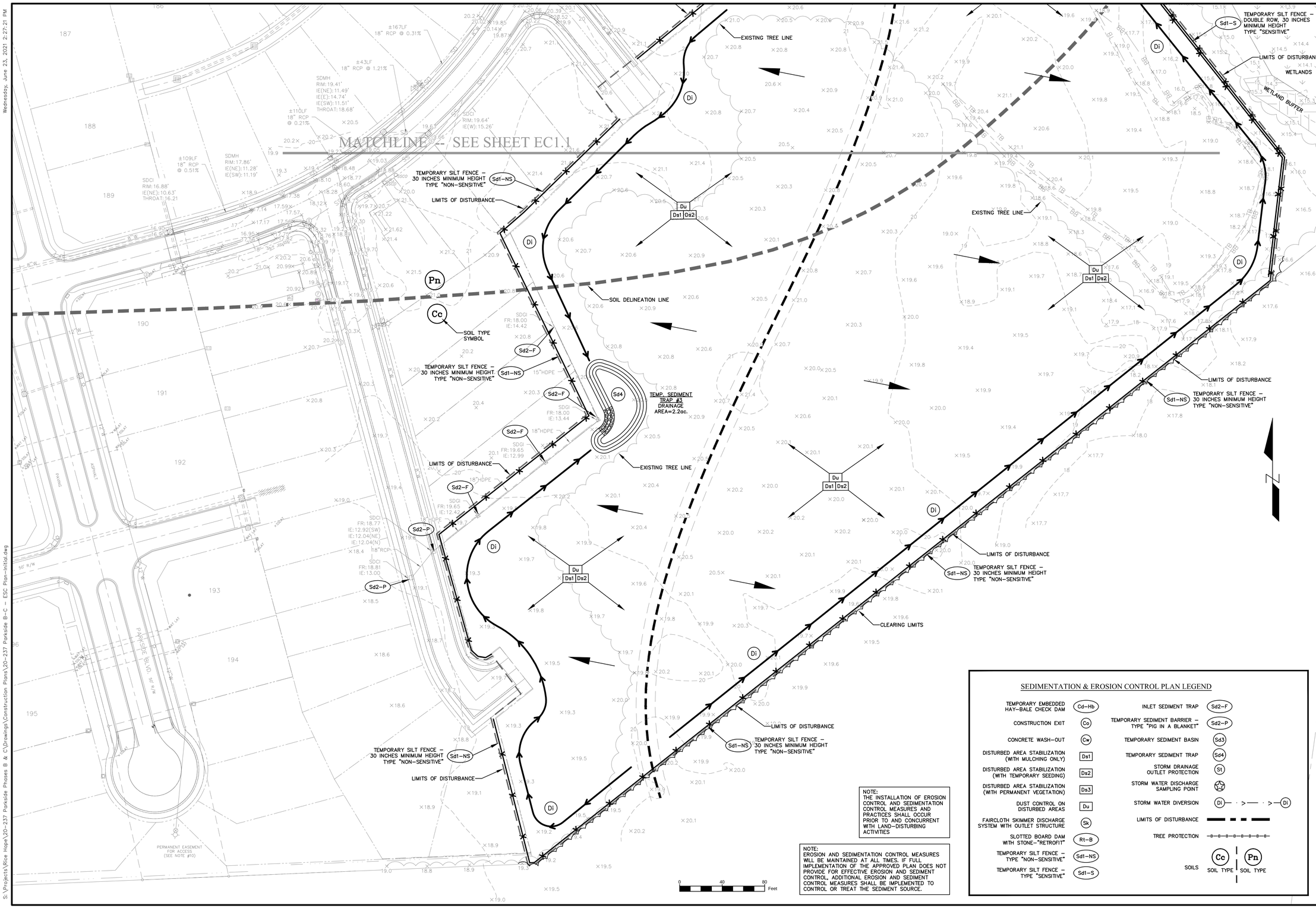
RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

Project No.	20–237
Drawn By:	MJS
Designed By:	DMB
Checked By:	RAP
Scale:	1"=40'
Date:	5/25/21

SHEET
EC1.1

S:\Projects\Rice Hope\20–237 Parkside Phases B & C\Drawings\Construction Plans\20–237 Parkside B–C – ESC Plan–Initial.dwg

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)



NOTE:
THE INSTALLATION OF EROSION CONTROL AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO AND CONCURRENT WITH LAND-DISTURBING ACTIVITIES

NOTE:
EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION AND SEDIMENT CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

SEDIMENTATION & EROSION CONTROL PLAN LEGEND

TEMPORARY EMBEDDED HAY-BALE CHECK DAM	Cd-Hb	INLET SEDIMENT TRAP	Sd2-F
CONSTRUCTION EXIT	Co	TEMPORARY SEDIMENT BARRIER – TYPE "PIG IN A BLANKET"	Sd2-P
CONCRETE WASH-OUT	Cw	TEMPORARY SEDIMENT BASIN	Sd3
DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	Ds1	TEMPORARY SEDIMENT TRAP	Sd4
DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	Ds2	STORM DRAINAGE OUTLET PROTECTION	St
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	Ds3	STORM WATER DISCHARGE SAMPLING POINT	
DUST CONTROL ON DISTURBED AREAS	Du	STORM WATER DIVERSION	Di
FAIRCLOTH SKIMMER DISCHARGE SYSTEM WITH OUTLET STRUCTURE	Sk	LIMITS OF DISTURBANCE	
SLOTTED BOARD DAM WITH STONE-"RETROFIT"	Rt-B	TREE PROTECTION	
TEMPORARY SILT FENCE – TYPE "NON-SENSITIVE"	Sd1-NS	SOILS	Cc SOIL TYPE; Pn SOIL TYPE
TEMPORARY SILT FENCE – TYPE "SENSITIVE"	Sd1-S		

REV.	REVISIONS	BY	DATE

GEORGIA REGISTERED No. 38245 PROFESSIONAL ENGINEER JASON JOSEPH BRYANT

PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

EROSION CONTROL PLAN - INITIAL

RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

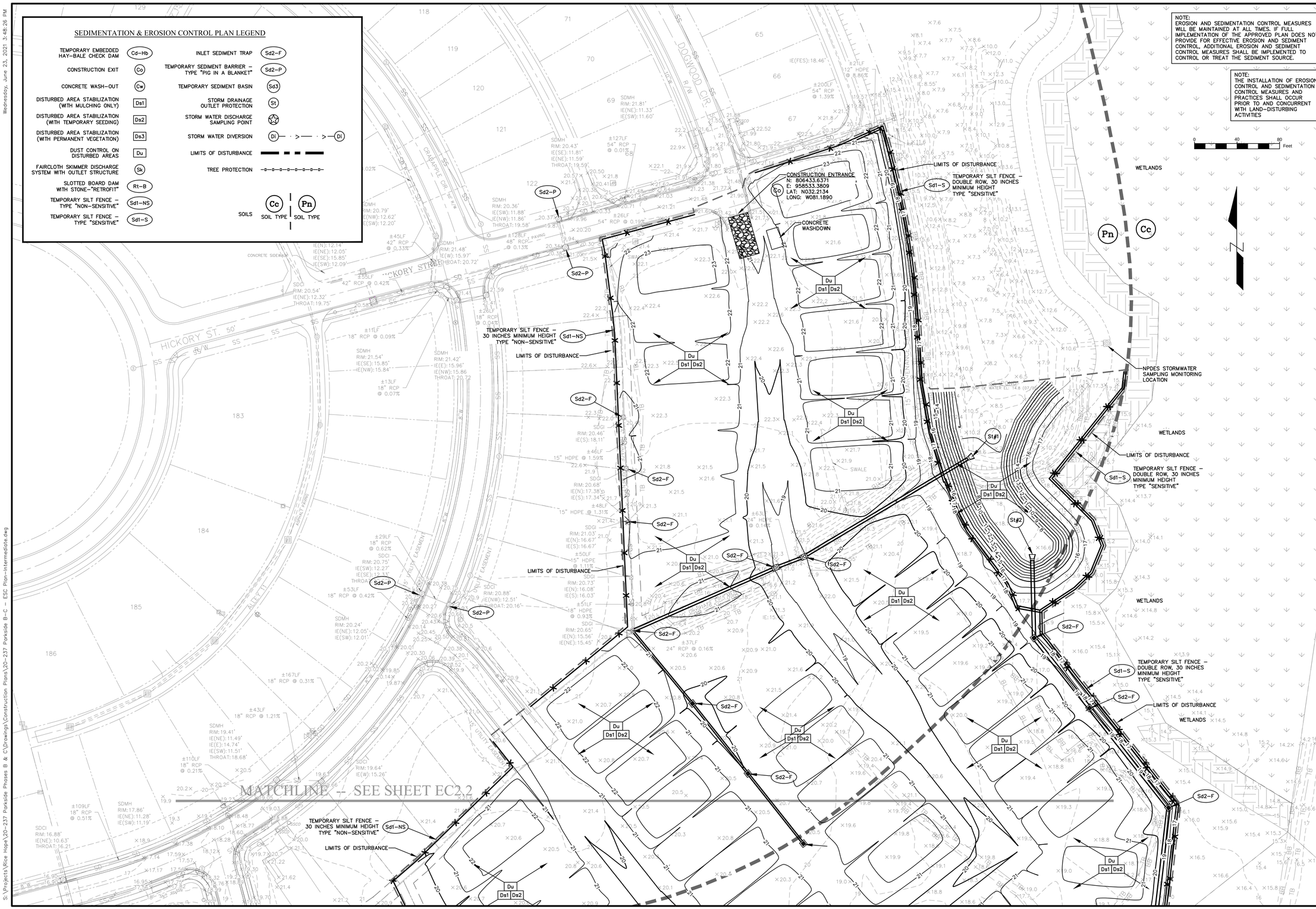
Project No. 20-237
Drawn By: MJS
Designed By: DMB
Checked By: RAP
Scale: 1"=40'
Date: 5/25/21

SHEET
EC1.2

Wednesday, June 23, 2021 2:27:21 PM

S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Construction Plans\20-237 Parkside B-C - ESC Plan-Initial.dwg

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Prelimary Plat)



REV.	REVISIONS	BY	DATE

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 38245 JASON JOSEPH BRYANT

PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

EROSION CONTROL PLAN - INTERMEDIATE

RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

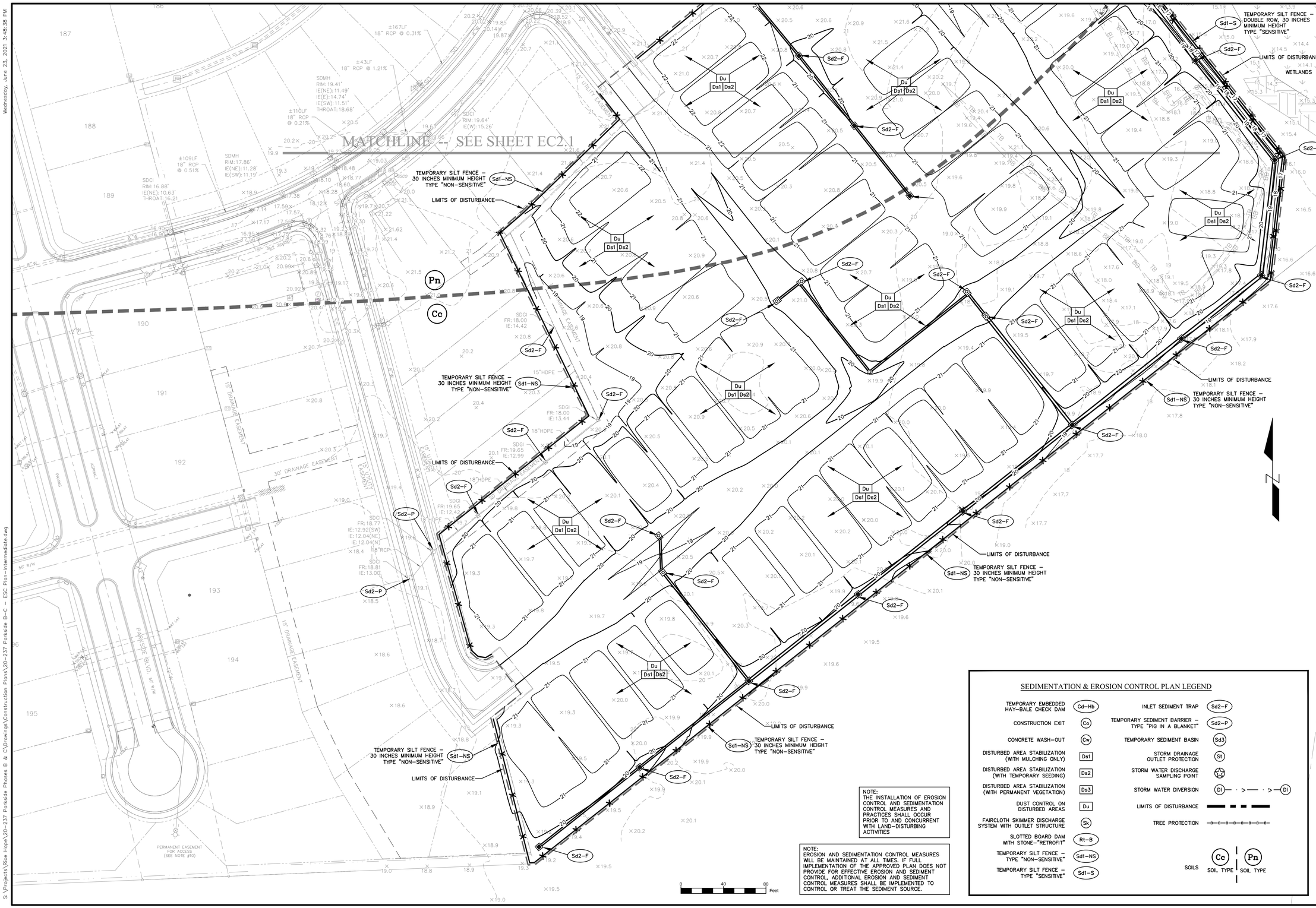
Project No. 20-237
Drawn By: MJS
Designed By: DMB
Checked By: RAP
Scale: 1"=40'
Date: 5/25/21

SHEET
EC2.1

Wednesday, June 23, 2021 3:48:26 PM

S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Construction Plans\20-237 Parkside B-C - ESC Plan-Intermediate.dwg

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Prelimary Plat)



NOTE:
THE INSTALLATION OF EROSION CONTROL AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO AND CONCURRENT WITH LAND-DISTURBING ACTIVITIES

NOTE:
EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION AND SEDIMENT CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

SEDIMENTATION & EROSION CONTROL PLAN LEGEND

TEMPORARY EMBEDDED HAY-BALE CHECK DAM	Cd-Hb	INLET SEDIMENT TRAP	Sd2-F
CONSTRUCTION EXIT	Co	TEMPORARY SEDIMENT BARRIER – TYPE "PIG IN A BLANKET"	Sd2-P
CONCRETE WASH-OUT	Cw	TEMPORARY SEDIMENT BASIN	Sd3
DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	Ds1	STORM DRAINAGE OUTLET PROTECTION	St
DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	Ds2	STORM WATER DISCHARGE SAMPLING POINT	
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	Ds3	STORM WATER DIVERSION	Di
DUST CONTROL ON DISTURBED AREAS	Du	LIMITS OF DISTURBANCE	
FAIRCLOTH SKIMMER DISCHARGE SYSTEM WITH OUTLET STRUCTURE	Sk	TREE PROTECTION	
SLOTTED BOARD DAM WITH STONE-"RETROFIT"	Rt-B		
TEMPORARY SILT FENCE – TYPE "NON-SENSITIVE"	Sd1-NS	SOILS	Cc SOIL TYPE / Pn SOIL TYPE
TEMPORARY SILT FENCE – TYPE "SENSITIVE"	Sd1-S		

REV.	REVISIONS	BY	DATE

GEORGIA REGISTERED No. 38245 PROFESSIONAL ENGINEER JASON JOSEPH BRYANT

PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

EROSION CONTROL PLAN - INTERMEDIATE

RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

Project No. 20-237
Drawn By: MJS
Designed By: DMB
Checked By: RAP
Scale: 1"=40'
Date: 5/25/21

SHEET
EC2.2

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Prelimary Plat)

S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Construction Plans\20-237 Parkside B-C - ESC Plan-Intermediate.dwg
Wednesday, June 23, 2021 3:48:38 PM

Wednesday, June 23, 2021 3:49:07 PM

SEDIMENTATION & EROSION CONTROL PLAN LEGEND

TEMPORARY EMBEDDED HAY–BALE CHECK DAM	Cd–Hb	INLET SEDIMENT TRAP	Sd2–F
CONSTRUCTION EXIT	Co	TEMPORARY SEDIMENT BARRIER – TYPE "PIG IN A BLANKET"	Sd2–P
CONCRETE WASH–OUT	C♥	TEMPORARY SEDIMENT BASIN	Sd3
DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	Ds3	STORM DRAINAGE OUTLET PROTECTION	St
DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	Ds2	STORM WATER DISCHARGE SAMPLING POINT	★
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	Ds3	STORM WATER DIVERSION	DI — · > — · > — DI
DUST CONTROL ON DISTURBED AREAS	Du	LIMITS OF DISTURBANCE	
FAIRCLOTH SKIMMER DISCHARGE SYSTEM WITH OUTLET STRUCTURE	Sk	TREE PROTECTION	–o–o–o–o–o–o–o–
SLOTTED BOARD DAM WITH STONE–"RETROFIT"	Rt–B		
TEMPORARY SILT FENCE – TYPE "NON–SENSITIVE"	Sd1–NS		
TEMPORARY SILT FENCE – TYPE "SENSITIVE"	Sd1–S		

SOILS: Cc — SOIL TYPE | Pn — SOIL TYPE

NOTE:
EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION AND SEDIMENT CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

NOTE:
THE INSTALLATION OF EROSION CONTROL AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO AND CONCURRENT WITH LAND–DISTURBING ACTIVITIES

0 40 80 Feet

CONSTRUCTION ENTRANCE
N: 806433.6371
E: 958533.3809
LAT: N032.2134
LONG: W081.1890

CONCRETE WASHDOWN

LIMITS OF DISTURBANCE

TEMPORARY SILT FENCE – DOUBLE ROW, 30 INCHES MINIMUM HEIGHT TYPE "SENSITIVE"

TEMPORARY SILT FENCE – 30 INCHES MINIMUM HEIGHT TYPE "NON–SENSITIVE"

NPDES STORMWATER SAMPLING MONITORING LOCATION

WETLANDS

POND

CYPRESS LOOP (50' R/W)

OAK WAY (50' R/W)

HICKORY ST. 50' R/W

DOGWOOD CIR R/W

CHAPPLE DR W R/W

ALLEY 11' R/W

MATCHLINE -- SEE SHEET EC3.2

PITTMAN ENGINEERING
2591 Hwy 175 Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 18904 JASON M. JOSEPH

REV.	REVISIONS	BY	DATE

EROSION CONTROL PLAN - FINAL

RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

Project No.	20–237
Drawn By:	MJS
Designed By:	DMB
Checked By:	RAP
Scale:	1"=40'
Date:	5/25/21

SHEET
EC3.1

S:\Projects\Rice Hope\20–237 Parkside Phases B & C\Drawings\Construction Plans\20–237 Parkside B–C – ESC Plan–Final.dwg

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)

NOTE:
THE INSTALLATION OF EROSION CONTROL AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO AND CONCURRENT WITH LAND-DISTURBING ACTIVITIES

NOTE:
EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION AND SEDIMENT CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

SEDIMENTATION & EROSION CONTROL PLAN LEGEND

TEMPORARY EMBEDDED HAY-BALE CHECK DAM	Cd-Hb	INLET SEDIMENT TRAP	Sd2-F
CONSTRUCTION EXIT	Co	TEMPORARY SEDIMENT BARRIER – TYPE "PIG IN A BLANKET"	Sd2-P
CONCRETE WASH-OUT	Cw	TEMPORARY SEDIMENT BASIN	Sd3
DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	Ds3	STORM DRAINAGE OUTLET PROTECTION	St
DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	Ds2	STORM WATER DISCHARGE SAMPLING POINT	
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	Ds3	STORM WATER DIVERSION	Di
DUST CONTROL ON DISTURBED AREAS	Du	LIMITS OF DISTURBANCE	
FAIRCLOTH SKIMMER DISCHARGE SYSTEM WITH OUTLET STRUCTURE	Sk	TREE PROTECTION	
SLOTTED BOARD DAM WITH STONE-"RETROFIT"	Rt-B		
TEMPORARY SILT FENCE – TYPE "NON-SENSITIVE"	Sd1-NS	SOILS	Cc SOIL TYPE / Pn SOIL TYPE
TEMPORARY SILT FENCE – TYPE "SENSITIVE"	Sd1-S		

REV.	REVISIONS	BY	DATE

PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

GEORGIA REGISTERED No. 38245 PROFESSIONAL ENGINEER JASON JOSEPH BRYANT

EROSION CONTROL PLAN - FINAL

RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

Project No. 20-237
Drawn By: MJS
Designed By: DMB
Checked By: RAP
Scale: 1"=40'
Date: 5/25/21

SHEET
EC3.2

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Prelimary Plat)

S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Construction Plans\20-237 Parkside B-C - ESC Plan-Final.dwg
Wednesday, June 23, 2021 3:49:19 PM

Wednesday, June 23, 2021 2:32:51 PM

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE DEVELOPMENT CONSTRUCTION PROJECTS

SWCD: COASTAL

Project Name: PARKSIDE AT RICE HOPE PHASES B & C Address: PORT WENTWORTH, GEORGIA 31407

City/County: PORT WENTWORTH / CHATHAM COUNTY Date on Plans: 5/25/21

Provide name and email of the person filling out the checklist: Jason Bryant, jason@pittmanengineeringco.com

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
EC4.1–EC4.3	YES	1. The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.
EC1.1–EC5.3	YES	2. Level II certification number issued by the Commission, signature and seal of the certified design professional.
N/A	NO	3. Limit of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the EPD District Office. If EPD approves the request to disturb 50 acres or more at any one time, the plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist.*
EC4.1	YES	4. The name and phone number of the 24–hour local contact responsible for erosion, sedimentation and pollution controls. MR. SCOTT DECAIN 4800 HAMPDEN LANE, SUITE 200 BETHESDA, MARYLAND 20814 301–915–0460 EMAIL: SDECAIN@BALDEAGLEPARTNERS.COM
EC4.1	YES	5. Provide the name, address, email and phone number of the primary permittee. MR. SCOTT DECAIN 4800 HAMPDEN LANE, SUITE 200 BETHESDA, MARYLAND 20814 301–915–0460 EMAIL: SDECAIN@BALDEAGLEPARTNERS.COM
EC4.1	YES	6. Note total and disturbed acreage of the project or phase under construction. TOTAL ACREAGE: 12.3 AC. DISTURBED ACREAGE: 12.3 AC.
EC1.1–EC3.1	YES	7. Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
COVER–EC5.3	YES	8. Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
EC4.1	YES	9. Description of the nature of construction activity. PROJECT INCLUDES CONSTRUCTING DRAINAGE, ROADWAYS AND GRADING TO SERVE THE PROPOSED COMMERCIAL DEVELOPMENT. THE EXISTING SITE IS A DEVELOPED SINGLE–FAMILY LOT.
COVER	YES	10. Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
EC4.1	YES	11. Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, etc. which may be affected. RECEIVING WATERS = SAVANNAH RIVER
EC4.1	YES	12. Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 19 of the permit. "I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION." JASON J. BRYANT, P.E. DATE GSWCC LEVEL II DESIGN PROFESSIONAL – CERTIFICATION #73897
EC4.1	YES	13. Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 19 of the permit.* "I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND–DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORMWATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR100001." JASON J. BRYANT, P.E. DATE GSWCC LEVEL II DESIGN PROFESSIONAL – CERTIFICATION #73897
EC4.1	YES	14. Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation." in accordance with Part IV.A.5 page 25 of the permit.* THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE PLAN (EXCEPT WHEN THE PRIMARY PERMITTEE HAS REQUESTED IN WRITING AND EPD HAS AGREED TO AN ALTERNATE DESIGN PROFESSIONAL), TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS WHICH THE DESIGN PROFESSIONAL DESIGNED WITHIN SEVEN (7) DAYS AFTER INSTALLATION. THE DESIGN PROFESSIONAL SHALL DETERMINE IF THESE BMPS HAVE BEEN INSTALLED AND ARE BEING MAINTAINED AS DESIGNED. THE DESIGN PROFESSIONAL SHALL REPORT THE RESULTS OF THE INSPECTION TO THE PRIMARY PERMITTEE WITHIN SEVEN (7) DAYS AND THE PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT FROM THE DESIGN PROFESSIONAL (UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED).

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
EC4.1	YES	14. Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation." in accordance with Part IV.A.5 page 25 of the permit.* DESIGN PROFESSIONAL'S 7-DAY VISIT CERTIFICATION: DATE OF INSPECTION: _____ I CERTIFY THE SITE WAS IN COMPLIANCE WITH THE ES&PC PLAN ON THE DATE OF INSPECTION. JASON J. BRYANT, P.E. DATE GSWCC LEVEL II DESIGN PROFESSIONAL – CERTIFICATION #73897 INSPECTION REVEALED THE FOLLOWING DISCREPANCIES FROM THE ES&PC PLAN: _____ _____ _____ _____ _____ THE PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT FROM THE DESIGN PROFESSIONAL UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED.
EC4.1	YES	15. Clearly note the statement that "Non–exempt activities shall not be conducted within the 25 or 50–foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25–feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits." "NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS."
N/A	NO	16. Provide a description of any buffer encroachments and indicate whether a buffer variance is required. NO BUFFERS REQUIRED.
EC4.1	YES	17. Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional."* "AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPS WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL."
EC4.1	YES	18. Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit."* WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT. Waste Materials All waste materials will be collected and stored in a securely lidded metal dumpster. The dumpster will meet all solid waste management regulations. All trash and construction debris from the site will be deposited in the dumpster. The dumpster will be emptied a minimum of once per week or more often if necessary and trash will be hauled as required by local regulations. No construction waste will be buried onsite. All personnel will be instructed on proper procedures for waste disposal. A notice stating these practices will be posted at the jobsite and the Contractor will be responsible for seeing that these procedures are followed.
EC4.1	YES	19. Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities." "THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES."
EC4.1	YES	20. Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source." "EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE."
EC4.1	YES	21. Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding." "ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING."
N/A	NO	22. Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of a Biota Impaired Stream Segment must comply with Part III. C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.*
N/A	NO	23. If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site–specific conditions or requirements included in the TMDL Implementation Plan.*

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
EC2.1–EC3.1 EC5.1	YES	24. BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.* CONCRETE WASHDOWN FOR TOOLS, CONCRETE MIXER CHUTES, HOPPERS AND REAR OF THE VEHICLES PLACED NEXT TO CONSTRUCTION EXIT. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.
EC4.1	YES	25. Provide BMPs for the remediation of all petroleum spills and leaks. Spill Cleanup and Control Practices • Local, State and manufacturer's recommended methods for spill cleanup will be clearly posted and procedures will be made available to site personnel. • Material and equipment necessary for spill cleanup will be kept in the material storage areas. Typical materials and equipment includes, but is not limited to, brooms, dustpans, mops, gloves, goggles, cat litter, sand, sawdust and properly labeled plastic and metal waste container. • Spill prevention practices and procedures will be reviewed after a spill and adjusted as necessary to prevent future spills. • All spills will be cleaned up immediately upon discovery. All spills will be reported as required by local, State, and Federal Regulations. • FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER). THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1–800–424–8802. • FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1–800–424–8802. • FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED. The contractor shall notify the licensed professional who prepared this plan if more than 1320 gallons of petroleum is stored onsite (this includes capacities of equipment) or if any one piece of equipment has a capacity greater than 660 gallons. The contractor will need a Spill Prevention Containment and Countermeasures Plan prepared by that licensed professional.
EC1.1–EC3.1 EC4.1–EC4.3 EC5.1–EC5.3	YES	26. Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.*

THE FOLLOWNG PERMANENT MEASURES HAVE BEEN ESTABLISHED:

1. DRY DETENTION POND
2. RIP–RAP APRONS
3. DISTURBED AREA STABILIZATION WITH PERMANENT GRASSING

CONTROLS:

EROSION AND SEDIMENT CONTROLS:

- ALL PERIMETER SILT FENCES AND CONSTRUCTION EXITS SHALL BE IN PLACE PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- EXISTING VEGETATION SHALL BE LEFT IN PLACE UNTIL SUCH TIME THAT LAND DISTURBING ACTIVITIES ARE TO TAKE PLACE UPON THAT PORTION OF THE SITE. WHEN CONSTRUCTION ACTIVITIES HAVE CEASED IN AN AREA, THAT AREA SHALL BE STABILIZED WITHIN 14 DAYS. IF THE AREA IS NOT TO FINAL GRADE, THE AREA SHALL BE MULCHED. IF THE AREA IS TO FINAL GRADE AND WILL EVENTUALLY CONTAIN SITE IMPROVEMENTS SUCH AS STRUCTURES OR SIDEWALKS, IT SHALL BE TEMPORARY SEEDED. AREAS BROUGHT TO FINAL GRADE THAT WILL REMAIN PERVIOUS ARE TO BE PERMANENTLY SEEDED. ALLOWABLE EXCEPTIONS FROM THE NPDES GENERAL PERMIT NO. GAR 100001, ARE NOTED BELOW.
- "WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14th DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES DUE TO SNOW COVER OR OTHER ADVERSE WEATHER CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE."
- "WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED, (e.g. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 21 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE 14th DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASED."
- PLEASE REFER TO ATTACHED SHEETS FOR THE LAND DISTURBANCE CONSTRUCTION SCHEDULE (SHEET EC4.1) AND TEMPORARY AND PERMANENT GRASSING SCHEDULE (SHEET EC5.1). THE STORMWATER WILL BE DISCHARGED FROM THE BASIN TO THE EXISTING STORMWATER SYSTEM AND THROUGH THE DOWNSTREAM DITCH SYSTEM AND EVENTUALLY TO THE SAVANNAH RIVER.

NON–STORMWATER DISCHARGE:

- ALL NON–STORMWATER DISCHARGES WILL BE ROUTED THROUGH ON–SITE BMP'S AND THE STORMWATER MANAGEMENT SYSTEM WHERE POSSIBLE. THESE DISCHARGES INCLUDE FLUSHING OF WATER AND FIRE LINES, IRRIGATION WATER, GROUND WATER, DEWATERING OF PITS OR DEPRESSIONS WITHIN THE CONSTRUCTION SITE AND RINSE–OFF WATER OF NON–MATERIALS.

OTHER CONTROLS:

- NO WASTE WILL BE DISPOSED INTO STORMWATER INLETS OR WATERS OF THE STATE.

WASTE MATERIALS:
ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE A WEEK OR MORE OFTEN IF NEEDED AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE WILL BE BURIED ON–SITE. ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURE FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOBSITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTES
ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT (WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED) WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ESPCP FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.

THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THE ESPCP AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIAL OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORM WATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORM WATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES (IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS) ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORM WATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

SANITARY WASTES:
A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY 10 WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS. ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTION TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED SUCH AS GRAVEL BAGS OR SPECIALTY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASES, TO PREVENT WASTE FROM CONTRIBUTING TO STORM WATER DISCHARGE. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED IN THE EROSION CONTROL GRADING PLAN, BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED. SANITARY SEWER WILL BE PROVIDED BY BRYAN COUNTY AT THE COMPLETION OF THIS PROJECT.

OFF–SITE VEHICLE TRACKING:
A STABILIZED CONSTRUCTION EXIT HAS BEEN PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENT. SEE SHEETS EC1.1–EC3.1 FOR CONSTRUCTION EXIT LOCATIONS AND SHEET EC5.1 FOR DETAILS. THE PAVED STREET ADJACENT TO THE SITE EXIT WILL BE INSPECTED DAILY FOR TRACKING OF DIRT, MUD, OR ROCK. DUMP TRUCKS HAULING MATERIAL TO OR FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN.

REV.	DATE	BY	REVISIONS

JASON BRYANT
GSWCC LEVEL II
DESIGN PROFESSIONAL
CERTIFICATION #73897

GEORGIA REGISTERED No. 18904 PROFESSIONAL ENGINEER JASON JOSEPH BRYANT

PITTMAN ENGINEERING
2591 Highway 17, Suite 303
Richmond Hill, GA 31324
(912)445-0578
www.PittmanEngineeringCo.com

EROSION CONTROL NOTES

RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

Project No. 20–237
Drawn By: MCS
Designed By: JJB
Checked By: RAP
Scale: N/A
Date: 5/25/21

SHEET
EC4.1

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)

S:\Projects\Rice Hope\20–237 Parkside Phases B & C\Drawings\Construction Plans\20–237 Parkside B–C – ESC Notes.dwg

Wednesday, June 23, 2021 2:33:12 PM

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE DEVELOPMENT CONSTRUCTION PROJECTS

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN

INVENTORY FOR POLLUTION PREVENTION PLAN:
THE FOLLOWING MATERIALS ARE EXPECTED ON–SITE DURING CONSTRUCTION: CONCRETE PRODUCTS, ASPHALT, PETROLEUM BASED FUEL AND LUBRICANTS FOR EQUIPMENT, TAR, METAL BUILDING MATERIALS, LUMBER, SHEET ROCK, FLOOR COVERINGS, ELECTRICAL WIRE AND FIXTURES, PAINT/STAINS/FINISHING TREATMENTS, PAINT, PAINT SOLVENTS, ADDITIVES FOR SOIL STABILIZATION, CLEANING SOLVENTS, PESTICIDES, FERTILIZERS, HERBICIDES, CRUSHED STONE, AND METAL PIPES.

SPILL PREVENTION:
PRACTICES SUCH AS GOOD HOUSEKEEPING, PROPER HANDLING OF HAZARDOUS PRODUCTS AND PROPER SPILL CONTROL PRACTICES WILL BE FOLLOWED TO REDUCE THE RISKS OF SPILLS AND SPILLS FROM DISCHARGING INTO STORMWATER RUNOFF.

GOOD HOUSEKEEPING:
1. QUANTITIES OF PRODUCTS STORED ON–SITE WILL BE LIMITED TO THE AMOUNT NEEDED FOR THE JOB.
2. PRODUCTS AND MATERIALS WILL BE STORED IN A NEAT, ORDERLY MANNER IN APPROPRIATE CONTAINERS PROTECTED FROM RAINFALL, WHERE POSSIBLE.
3. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH MANUFACTURER LABELS VISIBLE.
4. PRODUCTS MIXING, DISPOSAL AND DISPOSAL OF PRODUCT CONTAINERS WILL BE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
5. THE CONTRACTOR WILL INSPECT SUCH MATERIALS TO ENSURE PROPER USE, STORAGE, AND DISPOSAL.

MAINTENANCE & INSPECTION OF EROSION & SEDIMENT CONTROLS:

MAINTENANCE:

THE FOLLOWING BEST MANAGEMENT PRACTICE MAINTENANCE CRITERIA ARE TAKEN FROM THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA," LATEST EDITION.

CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OR MUD ONTO PUBLIC RIGHT–OF–WAY. THIS MAY REQUIRE PERIODIC DRESSING WITH 1.5–3.5 INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANING OF ANY STRUCTURES TO TRAP SEDIMENT. ALL MATERIAL SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

RETROFIT STRUCTURES SHALL BE KEPT CLEAR OF TRASH AND DEBRIS. THIS WILL REQUIRE CONTINUOUS MONITORING AND MAINTENANCE, WHICH INCLUDES SEDIMENT REMOVAL WHEN ONE–THIRD OF THE SEDIMENT STORAGE CAPACITY HAS BEEN LOST.

SEDIMENT SHALL BE REMOVED FROM SILT FENCES ONCE IT HAS ACCUMULATED ONE–THIRD THE ORIGINAL HEIGHT OF THE BARRIER. FILTER FABRIC SHALL BE REPLACED WHENEVER IT HAS DETERIORATED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE FABRIC IS REDUCED (APPROXIMATELY SIX MONTHS).

SEDIMENT SHALL BE REMOVED FROM SEDIMENT TRAPS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE–HALF THE HEIGHT OF THE TRAP. SEDIMENT SHALL BE REMOVED FROM CURB INLET PROTECTION IMMEDIATELY. FOR EXCAVATED INLET SEDIMENT TRAPS, SEDIMENT SHALL BE REMOVED WHEN ONE–HALF OF THE SEDIMENT STORAGE CAPACITY HAS BEEN LOST TO SEDIMENT ACCUMULATION.

SEDIMENT SHALL NOT BE WASHED INTO THE INLET. IT SHALL BE REMOVED FROM THE SEDIMENT TRAP AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLET AGAIN.

WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, ALL MATERIALS AND ANY SEDIMENT SHALL BE REMOVED, AND EITHER SALVAGED OR DISPOSED OF PROPERLY. THE DISTURBED AREA SHALL BE BROUGHT TO PROPER GRADE, SMOOTHED AND COMPACTED.

APPROPRIATELY STABILIZE ALL DISTURBED AREAS AROUND THE INLET.

REPAIR ALL DAMAGES CAUSED TO TEMPORARY SEDIMENT BASINS BY SOIL EROSION OR CONSTRUCTION EQUIPMENT AT OR BEFORE THE END OF EACH WORKING DAY. SEDIMENT SHALL BE REMOVED FROM THE BASIN WHEN IT REACHES THE TOP OF THE RISER. SEDIMENT SHALL NOT ENTER ADJACENT STREAMS OR DRAINAGE WAYS DURING SEDIMENT REMOVAL OR DISPOSAL. THE SEDIMENT SHALL NOT BE DEPOSITED DOWNSTREAM FROM THE EMBANKMENT, ADJACENT TO A STREAM OR FLOODPLAIN.

INSPECT RIPRAP OUTLET STRUCTURES AFTER HEAVY RAINS TO SEE IF ANY EROSION AROUND OR BELOW THE RIPRAP HAS TAKEN PLACE OR IF STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

ROUGHENED AREAS SHALL BE SEEDED AND MULCHED AS SOON AS POSSIBLE TO OBTAIN OPTIMUM SEED GERMINATION AND SEEDING GROWTH.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCES. MULCH CAN BE USED AS A SINGULAR EROSION CONTROL DEVICE FOR UP TO 6 MONTHS, BUT IT SHALL BE APPLIED AT THE APPROPRIATE DEPTH (DEPENDING ON THE MATERIALS USED), ANCHORED, AND HAVE A CONTINUOUS 90% COVER. TEMPORARY VEGETATION MAY BE EMPLOYED INSTEAD OF MULCH IF THE AREA WILL REMAIN UNDISTURBED FOR LESS THAN 8 MONTHS. IF THE AREA WILL REMAIN UNDISTURBED FOR GREATER THAN 6 MONTHS, PERMANENT VEGETATIVE TECHNIQUES SHALL BE EMPLOYED.

PERMANENT VEGETATION SHALL BE APPLIED IMMEDIATELY TO ROUGH GRADED AREAS THAT WILL BE UNDISTURBED FOR LONGER THAN 6 MONTHS. THIS PRACTICE OF SODDING SHALL BE APPLIED IMMEDIATELY TO ALL AREAS AT FINAL GRADE. FINAL STABILIZATION MEANS THAT ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED, AND THAT FOR THE UNPAVED AREAS AND AREAS NOT COVERED IN PERMANENT STRUCTURES AT LEAST 70% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION OR EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS THE USE OF RIPRAP, GABIONS, PERMANENT MULCHES OR GEOTEXTILES) HAVE BEEN EMPLOYED. PERMANENT VEGETATION SHALL CONSIST OF PLANTED TREES, SHRUBS, PERENNIAL VINES, A CROP OF PERENNIAL VEGETATION APPROPRIATE FOR THE REGION, SUCH THAT WITHIN THE GROWING SEASON, A 70% COVERAGE BY PERENNIAL VEGETATION SHALL BE ACHIEVED. FINAL STABILIZATION APPLIES TO EACH PHASE OF CONSTRUCTION UNTIL THIS STANDARD IS SATISFIED AND PERMANENT CONTROL MEASURES AND FACILITIES ARE OPERATIONAL. INTERIM STABILIZATION MEASURES AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL NOT BE REMOVED.

EC4.2	YES	27. DESCRIPTION OF PRACTICES TO PROVIDE COVER FOR BUILDING MATERIALS AND BUILDING PRODUCTS ON SITE.*

FOR BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE SITE, PROVIDE COVER (E.G. PLASTIC SHEETING, TEMPORARY ROOFS) TO MINIMIZE THE EXPOSURE OF THESE PRODUCTS TO PRECIPITATION AND TO STORMWATER, OR A SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THESE AREAS. MINIMIZATION OF EXPOSURE IS NOT REQUIRED IN CASES WHERE EXPOSURE TO PRECIPITATION AND TO STORMWATER WILL NOT RESULT IN A DISCHARGE OF POLLUTANTS, OR WHERE EXPOSURE OF A SPECIFIC MATERIAL OR PRODUCT POSES LITTLE RISK TO STORMWATER CONTAMINATION (SUCH AS FINAL PRODUCTS AND MATERIALS INTENDED FOR OUTDOOR USE).

EC4.2	YES	28. Description of the practices that will be used to reduce the pollutants in storm water discharges.*

Product Specific Practices

Petroleum Based Products – Containers for products such as fuel, lubricants and tars will be inspected daily for leaks and spills. This includes on–site vehicle and machinery daily inspections and regular preventative maintenance of such equipment. Equipment maintenance areas will be located away from state water, natural drains and storm water drainage inlets. In addition, temporary fueling tanks shall have a secondary containment liner to prevent/minimize site contamination. Discharge of oils, fuels and lubricants is prohibited. Proper disposal methods will include collection in a suitable container and disposal as required by local and State regulations.

Paints/Finishes/Solvents – All products will be stored in tightly sealed original containers when not in use. Excess product will not be discharged to the storm water collection system. Excess product, materials used with these products and product containers will be disposed of according to manufacturer's specifications and recommendations.

Concrete Truck Washing – NO concrete trucks will be allowed to wash out or discharge surplus concrete or drum wash water onsite.

Fertilizer/Herbicides – These products will be applied at rates that do not exceed the manufacturer's specifications or above the guidelines set forth in the crop establishment or in the GSWCC Manual for Erosion and Sediment Control in Georgia. Any storage of these materials will be under roof in sealed containers.

Building Materials – No building or construction materials will be buried or disposed of onsite. All such materials will be disposed of using proper waste disposal procedures.

EC4.2	YES	29. Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).

CONSIDERATIONS FOR CONSTRUCTION SCHEDULING

A SPECIFIED WORK SCHEDULE IS NEEDED TO COORDINATE THE TIMING OF LAND DISTURBING ACTIVITIES WITH THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES.

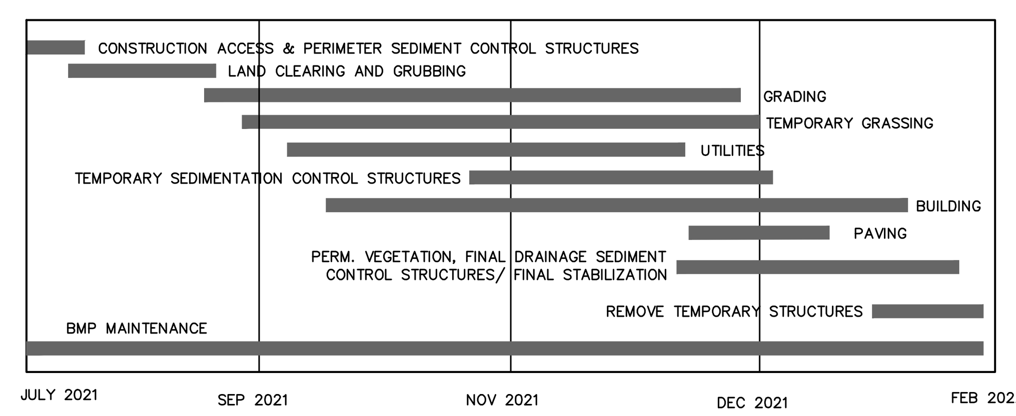
THE PURPOSE OF THE SCHEDULE IS TO REDUCE ON–SITE EROSION AND OFF–SITE SEDIMENTATION BY PERFORMING LAND DISTURBING ACTIVITIES AND INSTALLING EROSION AND SEDIMENTATION CONTROL PRACTICES IN ACCORDANCE WITH A PLANNED SCHEDULE.

IN PLANNING CONSTRUCTION WORK, IT MAY BE HELPFUL TO OUTLINE ALL LAND DISTURBING ACTIVITIES NECESSARY TO COMPLETE THE PROPOSED PROJECT. THEN LIST ALL PRACTICES NEEDED TO CONTROL EROSION AND SEDIMENTATION ON THE SITE. THESE TWO LISTS CAN THEN BE COMBINED IN LOGICAL ORDER TO PROVIDE A PRACTICAL AND EFFECTIVE CONSTRUCTION SEQUENCE SCHEDULE THAT BECOMES PART OF THE EROSION AND SEDIMENTATION CONTROL PLAN.

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN

CONSTRUCTION ACTIVITY	SCHEDULE CONSIDERATION
1. OBTAIN ALL PLAN APPROVALS AND OTHER APPLICABLE PERMITS.	
2. FLAG THE WORK LIMITS AND MARK THE TREES AND BUFFER AREAS FOR PROTECTION.	
3. HOLD PRE CONSTRUCTION CONFERENCE AT LEAST ONE WEEK PRIOR TO STARTING CONSTRUCTION.	
4. CONSTRUCTION ACCESS – CONSTRUCTION ENTRANCE, CONSTRUCTION ROUTES, EQUIPMENT PARKING AREAS.	FIRST LAND DISTURBING ACTIVITY –– STABILIZE BARE AREAS IMMEDIATELY WITH GRAVEL AND TEMPORARY VEGETATION AS CONSTRUCTION TAKES PLACE.
5. SEDIMENT TRAPS AND BARRIERS – BASIN TRAPS, SEDIMENT FENCES, AND OUTLET PROTECTION.	INSTALL PRINCIPAL BASINS AFTER CONSTRUCTION SITE IS ACCESSED. INSTALL ADDITIONAL TRAPS AND BARRIERS AS NEEDED DURING GRADING.
6. RUNOFF CONTROL – DIVERSIONS, PERIMETER DIKES, WATER BARS, AND OUTLET PROTECTION.	INSTALL KEY PRACTICES AFTER PRINCIPAL SEDIMENT TRAPS AND BEFORE LAND GRADING. INSTALL ADDITIONAL RUNOFF–CONTROL MEASURES DURING GRADING.
7. RUNOFF CONVEYANCE SYSTEM– STABILIZE STREAM BANKS, STORM DRAINS, CHANNELS, INLET AND OUTLET PROTECTION, SLOPE DRAINS.	WHERE NECESSARY, STABILIZE STREAM BANKS AS EARLY AS POSSIBLE. INSTALL PRINCIPAL RUNOFF CONVEYANCE SYSTEM WITH RUNOFF– CONTROL MEASURES. INSTALL REMAINDER OF SYSTEM AFTER GRADING.
8. LAND CLEARING AND GRADING–SITE PREPARATION CUTTING, FILLING AND GRADING, SEDIMENTATION TRAPS, BARRIERS, DIVERSIONS, DRAINS, SURFACE ROUGHENING.	BEGIN MAJOR CLEARING AND GRADING AFTER PRINCIPAL SEDIMENT AND KEY RUNOFF–CONTROL MEASURES ARE INSTALLED. CLEAR BORROW AND DISPOSAL AREAS ONLY AS NEEDED. INSTALL ADDITIONAL CONTROL MEASURES AS GRADING PROGRESSES. MARK TREES AND BUFFER AREAS FOR PRESERVATION.
9. SURFACE STABILIZATION–TEMPORARY AND PERMANENT SEEDING, MULCHING, SODDING, RIPRAP.	APPLY TEMPORARY OR PERMANENT STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS WHERE WORK IS DELAYED OR COMPLETE.
10. UTILITIES, PAVING, BUILDING	INSTALL NECESSARY EROSION AND SEDIMENTATION CONTROL PRACTICES AS WORK TAKES PLACE.
11. LANDSCAPING AND FINAL STABILIZATION – TOPSOILING, TREES AND SHRUBS, PERMANENT SEEDING, MULCHING, SODDING RIPRAP.	LAST CONSTRUCTION PHASE––STABILIZE ALL OPEN AREAS, INCLUDING BORROW AND SPOIL AREAS. REMOVE AND STABILIZE ALL TEMPORARY CONTROL MEASURES.

PROPOSED CONSTRUCTION SCHEDULE:



EC4.2	YES	30. Provide complete requirements of inspections and record keeping by the primary permittee.*

INSPECTIONS

A. PERMITTEE REQUIREMENTS.

1. EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT:
   (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT AND
   (B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF–SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
2. MEASURE AND RECORD RAINFALL WITHIN DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABILIZATION ONCE EVERY 24 HOURS EXCEPT ANY NON–WORKING SATURDAY, NON–WORKING SUNDAY AND NON–WORKING FEDERAL HOLIDAY. THE DATA COLLECTED FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.
3. CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON–WORKING SATURDAY, NON–WORKING SUNDAY OR ANY NON–WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST):
   (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE;
   (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; AND
   (C) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(4). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
4. CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION HAS BEEN SUBMITTED) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).
5. BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.
6. A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E., INITIAL, INTERMEDIATE OR FINAL), MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(5). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION SITE THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS, THE INSPECTION REPORT SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2. OF THIS PERMIT.

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN

AN "EROSION & SEDIMENTATION INSPECTION AND MAINTENANCE REPORT" SHEET IS ATTACHED. SHOULD THE INSPECTION REVEAL ANY DEFICIENCIES, A COPY SHALL BE SENT TO:

	ATTN.:
MR. SCOTT DECAIN 4800 HAMPDEN LANE, SUITE 200 BETHESDA, MARYLAND 20814 301–915–0460 EMAIL: SDECAIN@BALDEAGLEPARTNERS.COM	PITTMAN ENGINEERING CO., LLC 2591 HWY 17 SUITE 303 RICHMOND HILL, GA 31324 912–445–0578 JASON@PITTMANENGINEERINGCO.COM

EC4.2	YES	31. Provide complete requirements of sampling frequency and reporting of sampling results.*

STORM WATER SAMPLING:

SAMPLING FREQUENCY:

1. THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORMWATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN IN FORTY–FIVE (45) MINUTES OR AS SOON AS POSSIBLE.
2. HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORMWATER DISCHARGE.
3. SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS:
   (A). FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION;
   (B). IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST;
   (C). AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST–STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED;
   (D). WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.A.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE; AND
   (E). EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.

* NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.

REPORTING:

1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.C. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORMWATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G.2. SAMPLING REPORTS MUST BE SUBMITTED TO EPD USING THE ELECTRONIC SUBMITTAL SERVICE PROVIDED BY EPD. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.
2. ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:
   A. THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS;
   B. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS;
   C. THE DATE(S) ANALYSES WERE PERFORMED;
   D. THE TIME(S) ANALYSES WERE INITIATED;
   E. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES;
   F. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED;
   G. THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS;
   H. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU;" AND
   I. CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN.
3. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

GOVERNING AGENCY:
COASTAL DISTRICT – BRUNSWICK OFFICE
GEORGIA ENVIRONMENTAL PROTECTION DIVISION
400 COMMERCE CENTER DRIVE
BRUNSWICK, GA 31523–8251
(912) 264–7284

	ATTN.:
MR. SCOTT DECAIN 4800 HAMPDEN LANE, SUITE 200 BETHESDA, MARYLAND 20814 301–915–0460 EMAIL: SDECAIN@BALDEAGLEPARTNERS.COM	PITTMAN ENGINEERING CO., LLC 2591 HWY 17 SUITE 303 RICHMOND HILL, GA 31324 912–445–0578 JASON@PITTMANENGINEERINGCO.COM

EC4.2	YES	32. Provide complete details for retention of records as per Part IV.F. of the permit.*

RETENTION OF RECORDS:

1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE (OR THE RECORDS SHALL BE READILY AVAILABLE AT THE DESIGNATED ALTERNATE LOCATION) FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOTICE OF TERMINATION IS SUBMITTED IN ACCORDANCE WITH PART VI.
   a. A COPY OF NOTICES OF INTENT SUBMITTED TO EPD.
   b. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT.
   c. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5 OF THIS PERMIT.
   d. A COPY OF ALL MONITORING INFORMATION, RESULTS AND REPORTS REQUIRED BY THIS PERMIT.
   e. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.(a) OF THIS PERMIT.
   f. A COPY OF VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2 OF THIS PERMIT.
   g. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.(a).(1)(c) OF THIS PERMIT.
2. COPIES OF ALL NOTICES OF INTENT, NOTICE OF TERMINATION, REPORTS, PLANS, MONITORING INFORMATION (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION), EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST 3 YEARS FROM THE DATE THAT THE NOTICE OF TERMINATION IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS (OR AT A DESIGNATED ALTERNATIVE LOCATION) ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST BY THE EPD AT ANY TIME UPON WRITTEN REQUEST TO THE PERMITTEE.

REV.	REVISIONS	BY	DATE

JASON BRYANT
GSWCC LEVEL II
DESIGN PROFESSIONAL
CERTIFICATION #73897

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 38245 JASON JOSEPH BRYANT

PITTMAN ENGINEERING
2591 Highway 17, Suite 303
Richmond Hill, GA 31324
(912)445-0578
www.PittmanEngineeringCo.com

EROSION CONTROL NOTES

RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

Project No.	20–237
Drawn By:	MCS
Designed By:	MCS
Checked By:	RAP
Scale:	N/A
Date:	5/25/21

SHEET
EC4.2

S:\Projects\Rice Hope\20–237 Parkside Phases B & C\Drawings\Construction Plans\20–237 Parkside B–C – ESC Notes.dwg

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Prelimary Plat)

Wednesday, June 23, 2021 2:33:37 PM

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE DEVELOPMENT CONSTRUCTION PROJECTS

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
EC4.3	YES	33. DESCRIPTION OF ANALYTICAL METHODS TO BE USED TO COLLECT AND ANALYZE THE SAMPLES FROM EACH LOCATION.*

a. SAMPLING REQUIREMENTS SHALL INCLUDE THE FOLLOWING:

(1). A USGS TOPOGRAPHIC MAP, A TOPOGRAPHIC MAP OR A DRAWING (REFERRED TO AS A TOPOGRAPHIC MAP) THAT IS A SCALE EQUAL TO OR MORE DETAILED THAN A 1:24000 MAP SHOWING THE LOCATION OF THE SITE OR THE STAND ALONE CONSTRUCTION; (A) THE LOCATION OF ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES AS SHOWN ON A USGS TOPOGRAPHIC MAP, AND ALL OTHER PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES LOCATED DURING MANDATORY FIELD VERIFICATION, INTO WHICH THE STORMWATER IS DISCHARGED AND (B) THE RECEIVING WATER AND/OR OUTFALL SAMPLING LOCATIONS. WHEN THE PERMITTEE HAS CHOSEN TO USE A USGS TOPOGRAPHIC MAP AND THE RECEIVING WATER(S) IS NOT SHOWN ON THE USGS TOPOGRAPHIC MAP, THE LOCATION OF THE RECEIVING WATER(S) MUST BE HAND-DRAWN ON THE USGS TOPOGRAPHIC MAP FROM WHERE THE STORMWATER(S) ENTERS THE RECEIVING WATER(S) TO THE POINT WHERE THE RECEIVING WATER(S) COMBINES WITH THE FIRST BLUE LINE STREAM SHOWN ON THE USGS TOPOGRAPHIC MAP;
(2). A WRITTEN NARRATIVE OF SITE SPECIFIC ANALYTICAL METHODS USED TO COLLECT, HANDLE AND ANALYZE THE SAMPLES INCLUDING QUALITY CONTROL/QUALITY ASSURANCE PROCEDURES. THIS NARRATIVE MUST INCLUDE PRECISE SAMPLING METHODOLOGY FOR EACH SAMPLING LOCATION;
(3). WHEN THE PERMITTEE HAS DETERMINED THAT SOME OR ALL OUTFALLS WILL BE SAMPLED, A RATIONALE MUST BE INCLUDED ON THE PLAN FOR THE NTU LIMIT(S) SELECTED FROM APPENDIX B. THIS RATIONALE MUST INCLUDE THE SIZE OF THE CONSTRUCTION SITE, THE CALCULATION OF THE SIZE OF THE SURFACE WATER DRAINAGE AREA, AND THE TYPE OF RECEIVING WATER(S) (I.E., TROUT STREAM OR SUPPORTING WARM WATER FISHERIES); AND
(4). ANY ADDITIONAL INFORMATION EPD DETERMINES NECESSARY TO BE PART OF THE PLAN. EPD WILL PROVIDE WRITTEN NOTICE TO THE PERMITTEE OF THE INFORMATION NECESSARY AND THE TIME LINE FOR SUBMITTAL.

b. SAMPLE TYPE. ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.
(1). SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.
(2). SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
(3). LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.
(4). MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. IF AUTOMATIC SAMPLING IS UTILIZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVATED DURING THE QUALIFYING EVENT, THE PERMITTEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURING THE NEXT QUALIFYING EVENT. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.
(5). SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E.

c. SAMPLING POINTS.
(1). FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORMWATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES:
(A). THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORMWATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY
(B). THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORMWATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.
(C). IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORMWATER OUTFALL CHANNEL(S).
(D). CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORMWATER CHANNEL.
(E). THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.
(F). THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.
(G). PERMITTEES DO NOT HAVE TO SAMPLE SHEET FLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR LANDSCAPED ACCORDING TO THE PLAN (UNIFORMLY COVERED WITH LANDSCAPING MATERIALS IN PLANNED LANDSCAPED AREAS), OR EQUIVALENT PERMANENT STABILIZATION MEASURES AS DEFINED IN THE MANUAL (EXCLUDING A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION).
(H). ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORMWATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3. OR III.D.4., WHICHEVER IS APPLICABLE.

EC4.3	YES	34. Appendix B rationale for NTU values at all outfall sampling points where applicable.*

FOR A SITE ACREAGE SIZE OF 12.3 AC. AND WATERS SUPPORTING WARM WATER FISHERIES DRAINAGE AREA LESS THAN 5 SQUARE MILES, THE NTU VALUE TO USE IN PART III.D.4. IS 75 NTU.

APPENDIX B
Nephelometric Turbidity Unit (NTU) Table
Warm Water (Supporting Warm Water Fisheries)

Surface Water Drainage Area (Square Miles)

SITE SIZE (ACRES)	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	75	150	200	400	750	750	750	750
10.01-25	(50)	100	100	200	300	500	750	750
25.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	300	600
100.01+	50	50	50	50	50	100	200	100

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
EC1.1, EC2.1 EC3.1	YES	35. Delineate all sampling locations if applicable, perennial and intermittent streams and other water bodies into which storm water is discharged. *
EC1.1-EC3.1	YES	36. A description of appropriate controls and measures that will be implemented at the construction site including: (1) Initial Sediment Storage Requirements and Perimeter Control BMPs, (2) Intermediate Grading and Drainage BMPs, and (3) Final BMPs. For construction sites where there will be no mass grading and the Initial Perimeter Control BMPs, Intermediate Grading and Drainage BMPs, and Final BMPs are the same, the plan may combine all of the BMPs into a single phase.*

A temporary sediment trap will accommodate the 149 cy of Initial sediment storage. Silt fence will provide perimeter control. Intermediate grading and drainage BMPs include construction exit, temporary sediment trap, concrete wash down, storm outlet protection, dust control, mulching, temporary seeding and silt fence. Final phase BMPs include construction exit, concrete wash down, storm outlet protection, dust control and permanent vegetation stabilization. Each phase of the plan includes the appropriate controls and measures, including the initial sediment storage requirements, intermediate grading and drainage BMPs and Final BMPs. Refer to Sheets EC1.1, EC2.1 and EC3.1.

EC1.1-EC3.1	YES	37. Graphic scale and North arrow.
EC1.1-EC3.1	YES	38. Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

Map Scale	Ground Slope	Contour Intervals, ft.
1 inch = 100ft or larger scale	Flat 0 - 2% Rolling 2 - 8% Steep 8% +	0.5 or 1 1 or 2 2,5 or 10

N/A	NO	39. Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.
N/A	NO	40. Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.*
EC1.1-EC3.1 EC4.3	NO	41. Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.

THERE ARE NOT ANY STATE WATERS LOCATED ON OR WITHIN 200' OF THIS PROJECT SITE. BUFFERS ARE NOT REQUIRED SINCE THERE IS NOT ANY WRESTED VEGETATION.

N/A	NO	42. Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.

THERE ARE NOT ANY ON-SITE WETLANDS OR STATE WATERS LOCATED ON OR WITHIN 200' OF THIS PROJECT SITE.

EC4.3	NO	43. Delineation and acreage of contributing drainage basins on the project site.

SEE SEPARATE HYDROLOGY REPORT.

EC4.3	NO	44. Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.*

SEE SEPARATE HYDROLOGY REPORT.

EC4.3	YES	45. An estimate of the Runoff Coefficient or Peak Discharge Flow of the site prior to and after construction activities are completed.

RUNOFF CURVE NUMBER (SCS METHOD USED):
PRE-DEVELOPMENT: CN=82
POST-DEVELOPMENT: CN=88

EC1.1-EC3.1	YES	46. Storm-Drain Pipe and Weir Velocities with appropriate Outlet Protection to accommodate discharges without erosion. Identify/Delineate all Storm Water Discharge Points.
EC1.1-EC3.1 EC4.3	YES	47. Soil series for the project site and their delineation.

SOILS LEGEND:

SYMBOL	NAME	RATING
Pn	POOLER FINE SNADY LOAM	B/D
Cc	CAPE FEAR	B/D

EC1.1-EC3.1	YES	48. The Limits of Disturbance for each phase of construction.
EC1.1-EC3.1 EC4.3, EC5.3	YES	49. Provide a minimum of 67 Cubic Yards of sediment storage per acre drained using a Temporary Sediment Basin, Retrofitted Detention Pond, and/or Excavated Inlet Sediment Traps for each common drainage location. Sediment Storage Volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a Sediment Basin is not attainable must be included in the plan for each common drainage location in which a Sediment Basin is not provided. A written justification as to why 67 Cubic Yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the Design Professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize Outlet Structures that withdraw water from the surface, unless infeasible. If Outlet Structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the plan.

67 CY SEDIMENT STORAGE PER DISTURBED ACRE REQUIREMENT

- TOTAL PROJECT ACREAGE = 12.3 AC..
- TOTAL DISTURBED ACREAGE = 12.3 AC..
- TOTAL REQUIRED SEDIMENT STORAGE: 12.3 AC. X 67 c.y./Ac. = 824 c.y.
- THIS PROJECT WILL UTILIZE 1 PROPOSED SEDIMENT TRAP AND SILT FENCE FOR THE SEDIMENT STORAGE REQUIREMENT. THE PROPOSED LAND DISTURBING ACTIVITIES FOR THIS PROJECT ARE TO REGRADE TO PROVIDE POSITIVE DRAINAGE TO SPECIFIC AND LIMITED AREAS OF THE SITE.
- SEE SHEET EC5.3 FOR SEDIMENT TRAP CALCULATIONS.

EC1.1-EC3.1 EC5.1-EC5.3	YES	50. Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
EC5.1-EC5.3	YES	51. Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
EC4.3, EC5.1, EC5.2	YES	52. Provide Vegetative Plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative Plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

LIME RATES AND ANALYSIS

* AGRICULTURAL LIME SHALL BE APPLIED AT THE RATE OF ONE TO TWO TONS PER ACRE UNLESS SOIL TESTS INDICATE OTHERWISE. GRADED AREAS REQUIRE LIME APPLICATION. IF LIME IS APPLIED WITHIN SIX MONTHS OF PLANTING PERMANENT PERENNIAL VEGETATION, ADDITIONAL LIME IS NOT REQUIRED. AGRICULTURAL LIME SHALL BE WITHIN THE SPECIFICATIONS OF THE GEORGIA DEPARTMENT OF AGRICULTURE.

MULCHING (MULCHING IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS). MULCH APPLIED TO SEEDED AREAS SHALL ACHIEVE 75% SOIL COVER. SELECT THE MULCHING MATERIAL FROM THE FOLLOWING AND APPLY AS INDICATED:

* DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED. DRY STRAW SHALL BE APPLIED AT THE RATE OF TWO TONS PER ACRE. DRY HAY SHALL BE APPLIED AT THE RATE OF 2-1/2 TONS PER ACRE.
* WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL BE USED WITH HYDRAULIC SEEDING. IT SHALL BE APPLIED AT A RATE OF 500 POUNDS PER ACRE. DRY STRAW OR DRY HAY SHALL BE APPLIED (AT THE RATE INDICATED BELOW) AFTER HYDRAULIC SEEDING.
* ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOOD PULP FIBER, WHICH INCLUDES TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING ON SLOPES 4:1 OR STEEPER.
* SERICEA LESPEDEZA HAY CONTAINING MATURE SEED SHALL BE APPLIED AT A RATE OF 3 TONS PER ACRE.
* PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICKNESS OF 3 INCHES FOR BEDDING PURPOSES. OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WHERE ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED. THIS IS NOT APPROPRIATE FOR SEEDED AREAS.
* WHEN USING TEMPORARY EROSION CONTROL BLANKETS OR BLACK SOD, MULCH IS NOT REQUIRED.

FERTILIZER REQUIREMENTS

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. COOL SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500lbs./ac. 1000lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 1/2/ - 30
2. COOL SEASON GRASSES AND LEGUMES	FIRST SECOND MAINTENANCE	6-12-12 0-10-10 0-10-10	1500lbs./ac. 1000lbs./ac. 400 lbs./ac.	0-50 lbs./ac. 1/ - -
3. GROUND COVERS	FIRST SECOND MAINTENANCE	10-10-10 10-10-10 10-10-10	1300lbs./ac. 3/ 1300lbs./ac. 3/ 1100 lbs./ac.	- - -
4. PINE SEEDLINGS	FIRST	20-10-5	ONE 21-GRAM PELLET PER SEEDLING PLACED IN THE CLOSING HOLE	-
5. SHRUB LESPEDEZA	FIRST MAINTENANCE	0-10-10 0-10-10	700lbs./ac. 700lbs./ac. 4/	- -
6. TEMPORARY COVER CROPS SEEDED ALONE	FIRST	10-10-10	500lbs./ac.	30 lbs./ac. 5/
7. WARM SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500lbs./ac. 800lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 2/6/ 50-100 lbs./ac. 2/ 30 lbs./ac.
8. WARM SEASON GRASSES AND LEGUMES	FIRST SECOND MAINTENANCE	6-12-12 0-10-10 0-10-10	1500lbs./ac. 1000lbs./ac. 400 lbs./ac.	50 lbs./ac. 6/

1/ APPLY IN SPRING FOLLOWING SEEDING.
2/ APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED.
3/ APPLY IN 3 SPLIT APPLICATIONS.
4/ APPLY WHEN PLANTS ARE PRUNED.
5/ APPLY TO GRASS SPECIES ONLY.
6/ APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES.

*IF USING THIS CHECKLIST FOR A PROJECT THAT IS LESS THAN 1 ACRE AND NOT PART OF A COMMON DEVELOPMENT BUT WITHIN 200 FT OF A PERENNIAL STREAM THE * CHECKLIST ITEMS WOULD BE N/A.

Effective January 1, 2021

REV. | REVISIONS | BY | DATE

JASON BRYANT
GSWCC LEVEL II
DESIGN PROFESSIONAL
CERTIFICATION #73897

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 38245 JASON JOSEPH BRYANT

PITTMAN ENGINEERING
2591 Highway 17, Suite 303
Richmond Hill, GA 31324
(912)445-0578
www.PittmanEngineeringCo.com

EROSION CONTROL NOTES

RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

Project No. 20-237
Drawn By: MCS
Designed By: JJB
Checked By: RAP
Scale: N/A
Date: 5/25/21

SHEET
EC4.3

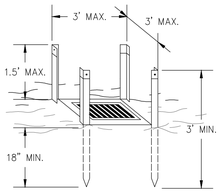
S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Construction Plans\20-237 Parkside B-C - ESC Notes.dwg

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Prelimary Plat)

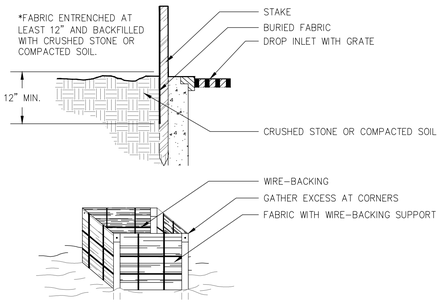
Wednesday, June 23, 2021 2:34:22 PM

FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION

STEEL FRAME AND SILT FENCE INSTALLATION

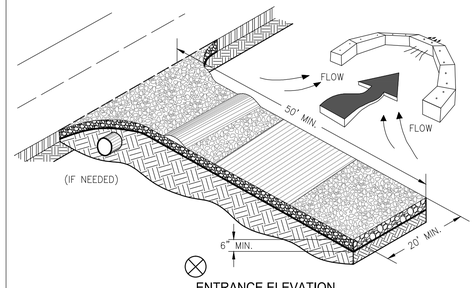


NOTES:
1. DESIGN IS FOR SLOPES NO GREATER THAN 5% (NOT DESIGNED FOR CONCENTRATED FLOWS).
2. THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAXIMUM OF 3' APART).
3. THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.
4. THE FABRIC SHOULD BE ENTRENCHED AT LEAST 12" AND THEN BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.

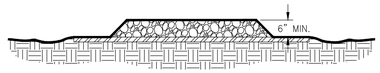


CRUSHED STONE CONSTRUCTION EXIT

EXIT DIAGRAM

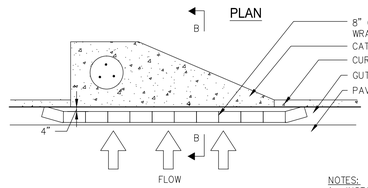


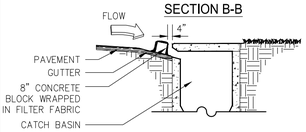
ENTRANCE ELEVATION



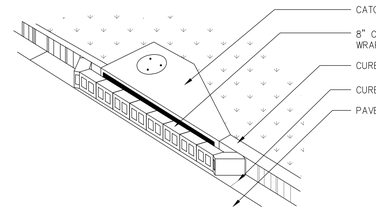
NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

CURB INLET FILTER "PIGS IN BLANKET"



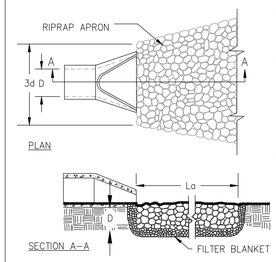


NOTES:
1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
3. FACE OPENINGS IN BLOCKS OUTWARD.
4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.



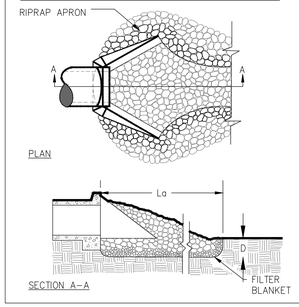
RIPRAP OUTLET PROTECTION

PIPE OUTLET TO FLAT AREA -- NO WELL DEFINED CHANNEL



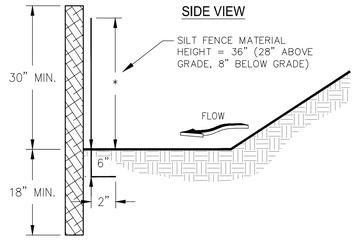
NOTES:
1. Lo IS THE LENGTH OF THE RIPRAP APRON.
2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESSHAN 6".
3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND THE SOIL FOUNDATION.

PIPE OUTLET TO WELL DEFINED CHANNEL

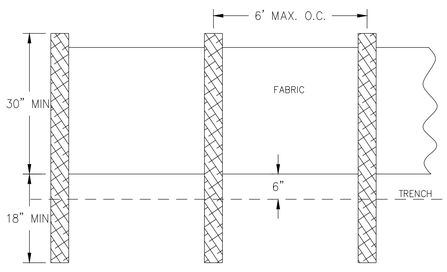


SILT FENCE - TYPE NON-SENSITIVE (Sd1-NS)

SIDE VIEW



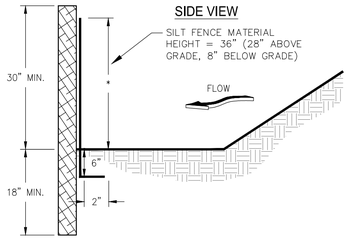
FRONT VIEW



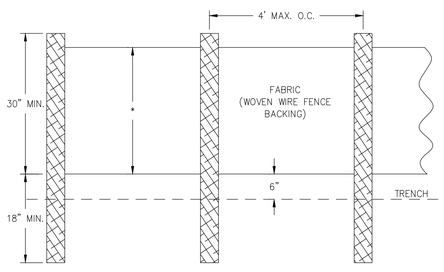
NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

SILT FENCE - TYPE SENSITIVE (Sd1-S)

SIDE VIEW



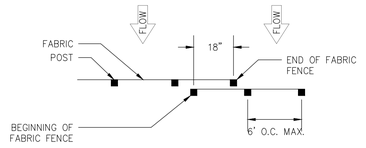
FRONT VIEW



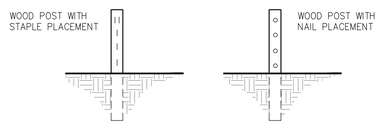
NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

FASTENERS FOR SILT FENCES

OVERLAP AT FABRIC ENDS



TOP VEIW - NOT TO SCALE

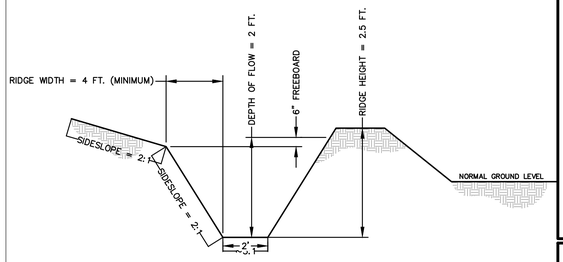


FRONT VIEWS - NOT TO SCALE

NOTES:
1. THE FABRIC AND WIRE SHOULD BE SECURELY FASTENED TO POSTS AND FABRIC ENDS MUST BE OVERLAPPED A MINIMUM OF 18" OR WRAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER AROUND THE INLET.

SEDIMENTATION & EROSION CONTROL PLAN LEGEND

TEMPORARY EMBEDDED HAY-BALE CHECK DAM	Cd-Hb	INLET SEDIMENT TRAP	Sd2-F
CONSTRUCTION EXIT	Co	TEMPORARY SEDIMENT BARRIER - TYPE "PIG IN A BLANKET"	Sd2-P
CONCRETE WASH-OUT	Cw	STORM DRAINAGE OUTLET PROTECTION	St
DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	Ds1	TREE PROTECTION	Tp
DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	Ds2	STORM WATER DISCHARGE SAMPLING POINT	
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	Ds3	STORM WATER DIVERSION	Di
DUST CONTROL ON DISTURBED AREAS	Du	LIMITS OF DISTURBANCE	
SLOTTED BOARD DAM WITH STONE-"RETROFIT"	Rt-B	TREE PROTECTION	
TEMPORARY SILT FENCE - TYPE "NON-SENSITIVE"	Sd1-NS	SOILS	Ol SOIL TYPE | Cm SOIL TYPE
TEMPORARY SILT FENCE - TYPE "SENSITIVE"	Sd1-S		



Di STORM WATER DIVERSION DITCH
SCALE: N.T.S.

REV.	REVISIONS	BY	DATE

JASON BRYANT
GSWCC LEVEL II
DESIGN PROFESSIONAL
CERTIFICATION #73897

GEORGIA REGISTERED No. 38245 PROFESSIONAL ENGINEER JASON JOSEPH BRYANT

PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

EROSION CONTROL DETAILS

RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

Project No.	20-237
Drawn By:	MJS
Designed By:	DMB
Checked By:	RAP
Scale:	----
Date:	5/25/21

SHEET
EC5.1

S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Construction Plans\20-237 Parkside B-C - ESC Details.dwg

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)

Wednesday, June 23, 2021 2:34:49 PM

GEORGIA
UNIFORM CODING SYSTEM
FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES
GEORGIA SOIL AND WATER CONSERVATION COMMISSION

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd	CHECKDAM			A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.
Ch	CHANNEL STABILIZATION			Improving, constructing or stabilizing an open channel, existing stream, or ditch.
Co	CONSTRUCTION EXIT		(Co) (LMC)	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Cr	CONSTRUCTION ROAD STABILIZATION		(Cr) (LMC)	A travelway constructed as part of a construction plan including access roads, subdivision roads, parking areas and other on-site vehicle transportation routes.
Dc	STREAM DIVERSION CHANNEL			A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed.
Di	DIVERSION			An earth channel or dike located above, below or across a slope to divert runoff. This may be a temporary or permanent structure.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE		(Dn1) (LMC)	A flexible conduit of heavy-duty fabric or other material designed to safely conduct surface runoff down a slope. This is temporary and inexpensive.
Dn2	PERMANENT DOWNDRAIN STRUCTURE		(Dn2) (LMC)	A paved chute, pipe, sectional conduit or similar material designed to safely conduct surface runoff down a slope.
Fr	FILTER RING			A temporary stone barrier constructed at storm drain inlets and pond outlets.
Ga	GABION			Rock filter baskets which are hand-placed into position forming soil stabilizing structures.
Gr	GRADE STABILIZATION STRUCTURE		(Gr) (LMC)	Permanent structures installed to protect channels or waterways where otherwise the slope would be sufficient for the running water to form gullies.
Lv	LEVEL SPREADER			A structure to convert concentrated flow of water into less erosive sheet flow. This should be constructed only on undisturbed soils.
Rd	ROCK FILTER DAM			A permanent or temporary stone filter dam installed across small streams or drainageways.
Re	RETAINING WALL		(Re) (LMC)	A wall installed to stabilize cut and fill slopes where maximum permissible slopes are not obtainable. Each situation will require special design.
Rt	RETRO FITTING		(Rt) (LMC)	A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.
Sd1	SEDIMENT BARRIER		(SILT FENCE TYPE)	A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd2	INLET SEDIMENT TRAP			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd3	TEMPORARY SEDIMENT BASIN		(Sd3) (LMC)	A basin created by excavation or a dam across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out.
Sd4	TEMPORARY SEDIMENT TRAP			A small temporary pond that drains a disturbed area so that sediment can settle out. The principle feature distinguishing a temporary sediment trap from a temporary sediment basin is the lack of a pipe or riser.
Sk	FLOATING SURFACE SKIMMER		(Sk) (LMC)	A buoyant device that releases/drains water from the surface of sediment ponds, traps, or basins at a controlled rate of flow.
Spb	SEEP BERM		(Spb) (LMC)	Linear control device constructed as a diversion perpendicular to the direction of runoff to enhance dissipation and infiltration, while creating multiple sedimentation chambers with the employment of intermediate dikes.

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Sr	TEMPORARY STREAM CROSSING		(Sr) (LMC)	A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.
St	STORMDRAIN OUTLET PROTECTION		(St) (LMC)	A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
Su	SURFACE ROUGHENING		(Su)	A rough soil surface with horizontal depressions on a contour or slopes left in a roughened condition after grading.
Tc	TURBIDITY CURTAIN		(Tc)	A floating or staked barrier installed within the water (it may also be referred to as a floating boom, silt barrier, or silt curtain).
Tp	TOPSOILING		(SHOW STRIPPING AND STORAGE AREAS)	The practice of stripping off the more fertile soil, storing it, then spreading it over the disturbed area after completion of construction activities.
Tr	TREE PROTECTION		(GRAPHIC TREE CUTOFFS)	To protect desirable trees from injury during construction activity.
Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL			Paved or vegetative water outlets for diversions, terraces, berms, dikes or similar structures.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Bf	BUFFER ZONE		(Bf) (LMC)	Strip of undisturbed original vegetation, enhanced or restored existing vegetation or the reestablishment of vegetation surrounding an area of disturbance or bordering streams.
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)		(Cs)	Planting vegetation on dunes that are denuded artificially constructed, or re-nourished.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		(Ds1)	Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)		(Ds2)	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)		(Ds3)	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SODDING)		(Ds4)	A permanent vegetative cover using sods on highly erodable or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS		(Du)	Controlling surface and air movement of dust on construction site, roadways and similar sites.
Fl-Co	FLOCCULANTS AND COAGULANTS		(Fl-Co)	Substance formulated to assist in the solids/liquid separation of suspended particles in solution.
Sb	STREAMBANK STABILIZATION (USING PERM VEGETATION)		(Sb)	The use of readily available native plant materials to maintain and enhance streambanks, or to prevent, or restore and repair small streambank erosion problems.
Ss	SLOPE STABILIZATION		(Ss)	A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.
Tac	TACKIFIERS AND BINDERS		(Tac)	Substance used to anchor straw or hay mulch by causing the organic material to bind together.

GaSWCC (Amended – 2013)

Ds1 DISTURBED AREA STABILIZATION (WITH MULCH ONLY)

DEFINITION
Applying plant residues or other suitable materials not produced on the site to the soil surface.

PURPOSE
To reduce runoff and erosion; conserve moisture, prevent surface compaction or crusting; to control undersirable vegetation; to modify soil temperature; to increase biological activity in the soil.

SPECIFICATIONS
A. For temporary protection of critical areas without seeding.

This standard applies to graded or cleared areas which may be subjected to erosion for 6 months or less, where seedings may not have a suitable growing season to produce an erosion retardant cover, but which can be stabilized with a mulch cover.

Site Preparation
1. Grade, as needed and feasible, to permit the use of equipment for applying and anchoring mulch.
2. Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers.
3. As needed and feasible, loosen compact soil to a minimum depth of 3 inches.

Mulching Materials
1. Dry straw of hay - spread at a rate of 2 1/2 tons per acre,
2. Wood waste, chips, sawdust or bark-spread 2 to 3 inches deep (about 6 to 0 tons per acre).
3. Erosion control matting or netting, such as excelsior, jute, textile and plastic matting and netting - applied in accordance with manufactureres recommendations.
4. Cutback asphalt, slow curing - applied at 1200 gallons per acre (or 1/4 gallon per sq. yd.)
5. Polyethylene film - secured over banks or stockpiled soil material for temporary protection.

Applying and Anchoring Mulch
1. Apply straw or hay mulch uniformly by hand or mechanically. Anchor as appropriate and feasible. It may be pressed into the soil with a disk harrow with the disk set straight or with a special "packer disk". The disk may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch but to press it into the soil leaving much of it in an erect position.
   Straw hay mulch spread with special blower-type equipment may be anchored with emulsified asphalt (Grade AE-5 or SS-1). The asphalt emulsion must be sprayed onto the mulch as it is ejected from the machine. Use 100 gallons of water per ton of mulch.
2. Spread wood waste uniformly on slopes that are 3:1 and flatter. No anchoring is needed.
3. Commercial matting and netting. Follow manufacturer's specification included with the material.
4. Apply asphalt so area has uniform appearance. (Note: Use in areas of pedestrian traffic could cause problems of "tracking in" or damage to shoes, clothing, etc.)
   B. To conserve moisture and control weeds in nurseries, ornamental beds, around shrubs, and on bare areas on lawns.
   Mulching Materials
   Use one of the material given below and apply at thickness indicated.

Material	Depth
1. Grain straw or grass hay	6" to 10"
2. Pine Needles	4" to 6"
3. Wood waste (sawdust, bark, chips)	4" to 8"
4. Shredded residues (crop, leaves, etc.)	4" to 8"

5. Completely cover area with black polyethylene film and hold in place by placing soil on the outer edge.

When using organic mulches, apply 20-30 pounds of nitrogen in addition to the normal amount needed for plant growth to offset the tie up of N by decomposition of mulch.

Dust Control on Disturbed Areas — Du

DEFINITION
Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

PURPOSE
- To prevent surface and air movement of dust from exposed soil surfaces.
- To reduce the presence of airborne substances that may be harmful or injurious to human health, welfare, or safety, or to animals or plant life.

CONDITIONS
This practice is applicable to areas subject to surface and air movement of dust where on and off-site damage may occur without treatment.

METHOD AND MATERIALS

A. Temporary Methods

Mulches. See standard **Ds1 - Disturbed Area Stabilization (With Mulching Only)**. Synthetic resins may be used instead of asphalt to bind mulch material. Refer to specification **Tac - Tackifiers**. Resins should be used according to manufacturer's recommendations.

Vegetative Cover. See specification **Ds2 - Disturbed Area Stabilization (With Temporary Seeding)**.

Spray-on Adhesives. These are used on mineral soils (not effective on muck soils). Keep traffic off these areas. Refer to specification **Tac - Tackifiers**.

Tillage. This practice is designed to roughen and bring clods to the surface. It is an emergency measure that should be used before wind erosion starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, spring-toothed harrows, and similar plows are examples of equipment that may produce the desired effect.

Irrigation. This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet. Repeat as needed.

Barriers. Solid board fences, snowfences, burlap fences, crate walls, bales of hay and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 15 times their height are effective in controlling wind erosion.

Calcium Chloride. Apply at rate that will keep surface moist. May need retreatment.

B. Permanent Methods

Permanent Vegetation. See specification **Ds3 -Disturbed Area Stabilization (With Permanent Vegetation)**. Existing trees and large shrubs may afford valuable protection if left in place.

Topsoiling. This entails covering the surface with less erosive soil material. See specification **Tp - Topsoiling**.

Stone. Cover surface with crushed stone or coarse gravel. See specification **Cr-Construction Road Stabilization**.

GSWCC 2016 Edition

6-55

Ds2 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDINGS)

PLANTS, PLANTING RATES, AND PLANTING DATES FOR TEMPORARY COVER OR COMPANION CORPS 1/

Species	Broadcast Rates 2/-PLS3/ Per Acre	Broadcast Rates 2/-PLS3/ Per 1000 sq. ft.	Resource Planting Dates by Resource Area — Area	Planting Dates (Solid lines indicate optimum dates dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
MILLET, PEARL (Pennesetum glaucum) alone	50 lbs.	1.1 lb.	M-L P C	J F M A M J J A S O N D	88,000 Seed per pound. Quick dense cover. May reach 5 feet in height. Not recommended for mixtures.
RYEGRASS, ANNUAL (Lolium Temulentum) alone	40 lbs.	0.9 lb.	M-L P C	J F M A M J J A S O N D	227,000 seed pound. Dense cover. Very competitive and is not to be used in mixtures.

1. Temporary cover crops are very competitive and will crowd perennials if seeded to heavily.
2. Reduce seeding rates by 50% when drilled.
3. PLS is an abbreviation for Pure Live Seed.
4. M-L represents the Mountain: Blue Ridge: and Ridges and Valleys MLRAs
   P represents the Southern Piedmont MLRA
   C represents Southern Coastal Plain: Sand Hills: Black Lands: and Atlantic Coast Flatwoods MLRAs

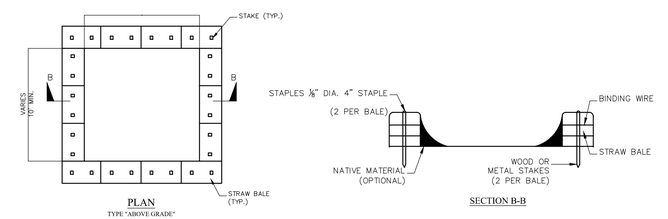
Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

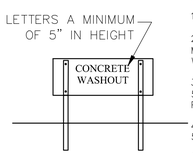
PLANTS, PLANTING RATES, AND PLANTING DATES FOR PERMANENT COVER

Species	Broadcast Rates 2/-PLS3/ Per Acre	Broadcast Rates 2/-PLS3/ Per 1000 sq. ft.	Resource Planting Dates by Resource Area — Area	Planting Dates (Solid lines indicate optimum dates dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
BERMUDA, COMMON (Cynodon dactylon) Hulled seed alone	10 lbs.	0.2 lb.	P C	J F M A M J J A S O N D	1,787,000 seed per pound. Quick cover. Low growing and sod forming. Full sun. Good for athletic fields.
with other perennials	6 lbs.	0.1 lb.			
BERMUDA, COMMON (Cynodon dactylon) Unhulled seed with temporary cover	10 lbs.	0.2 lb.	P C	J F M A M J J A S O N D	Plant with winter annuals.
with other perennials	6 lbs.	0.1 lb.			Plant with Tall fescue.
BERMUDA SPRIGS (Cynodon dactylon) Coastal, Common, Midland, or Tift 44	40 cu. ft. or sod pulgs 3'x 3'	0.9 cu. ft.	M-L P C	J F M A M J J A S O N D	A cubic foot contains approximately 650 sprigs. A bushel contains 1.25 cubic feet or approximately 800 srigs.
Coastal, Common, or Tift 44					Same as above
Tift 78			C		Southern costal Plain only.
CENTIPEDE (Eremochloa ophiuroides)	Block sod only		P C	J F M A M J J A S O N D	Drought tolerant. Full sun or partial shade. Effective adjacent to concrete and in concentrated flow areas. Irrigation is needed until fully established. Do not plant near pastures. Winterhardy as far north as Athens and Atlanta.
LOVEGRASS, WEEPING (Eragrostis curvula) alone	4 lbs.	0.1 lb.	M-L P C	J F M A M J J A S O N D	1,500,000 Seed per pound. May last for several years. Mix with Sericea lespedeza.
in mixtures	2 lbs.	0.05 lb.			

1. Reduce seeding rates by 50% when drilled.
2. PLS is an abbreviation for Pure Live Seed. Refer to Section V.E. of these specification..
3. M-L represents the Mountain: Blue Ridge: and Ridges and Valleys MLRAs
   P represents the Southern Piedmont MLRA; C represents Southern Coastal Plain: Sand Hills: Black Lands: and Atlantic Coast

STRAW BALE BARRIER CONCRETE WASHOUT





CONCRETE WASHOUT SIGN DETAIL

NOTES:
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. INSTALL CONCRETE WASHOUT SIGN (24"X24", MINIMUM) WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. TEMPORARY WASHOUT AREA MUST BE AT LEAST 50' FROM A STORM DRAIN, CREEK BANK OR PERIMETER CONTROL.
4. CLEAN OUT CONCRETE WASHOUT AREA WHEN 50% FULL.
5. THE KEY TO FUNCTIONAL CONCRETE WASHOUTS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR CLEAN OUT.
6. SILT FENCE SHALL BE INSTALLED AROUND PERIMETER OF CONCRETE WASHOUT AREA EXCEPT FOR THE SIDE UTILIZED FOR ACCESSING THE WASHOUT.
7. A ROCK CONSTRUCTION ENTRANCE MAY BE NECESSARY ALONG ONE SIDE OF THE WASHOUT TO PROVIDE VEHICLE ACCESS.

CONCRETE WASHOUT
STRAW BALES OR ABOVE GROUND
NOT TO SCALE

REV.	DATE	BY	REVISIONS

JASON BRYANT
GSWCC LEVEL II
DESIGN PROFESSIONAL
CERTIFICATION #73897

GEORGIA REGISTERED No. 38245 PROFESSIONAL ENGINEER JASON JOSEPH BRYANT

PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

EROSION CONTROL DETAILS

RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

Project No.	20-237
Drawn By:	MJS
Designed By:	DMB
Checked By:	RAP
Scale:	----
Date:	5/25/21

SHEET
EC5.2

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside PH B & C Preliminary Plat)

S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Construction Plans\20-237 Parkside B-C - ESC Details.dwg

Wednesday, June 23, 2021 2:35:13 PM

TEMPORARY SEDIMENT TRAP

COURTESY OF CITY OF KNOXVILLE BMP EROSION AND SEDIMENT

ROCK OUTLET

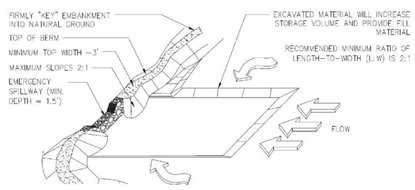


Figure 6-30.3

Sd4 TEMPORARY SEDIMENT TRAP DETAILS

SCALE: N.T.S.

SEDIMENT TRAP #1 CALCULATIONS:

1. DRAINAGE AREA = 0.8 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 0.8 ACRES
   REQUIRED SEDIMENT STORAGE = 54 CY
3. CALCULATE VOLUME OF TRAP
   USE SEDIMENT STORAGE DEPTH = 2.5 FT.
   AREA AT BOTTOM OF TRAP = 921 SF
   AREA AT TOP OF SEDIMENT STORAGE = 1987 SF
   VOLUME OF TRAP
   = (921 SF + 1987 SF)/2 X 2.5 FT SEDIMENT STORAGE DEPTH
   = 3635 CF, OR 135 CY
4. 135 CY PROVIDED STORAGE > 54 CY REQUIRED STORAGE

CLEANOUT VOLUME AND ELEVATION:

1. CLEANOUT VOLUME
   = ¼ X TOTAL STORAGE VOLUME
   = ¼ X 135 CY STORAGE VOLUME
   = 45 CY

NOTE:
THE CLEANOUT VOLUME SHALL BE MARKED WITH A STAKE AT THE OUTLET OF THE TRAP.

SEDIMENT TRAP #2 CALCULATIONS:

1. DRAINAGE AREA = 4.2 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 4.2 ACRES
   REQUIRED SEDIMENT STORAGE = 281 CY
3. CALCULATE VOLUME OF TRAP
   USE SEDIMENT STORAGE DEPTH = 2.5 FT.
   AREA AT BOTTOM OF TRAP = 2814 SF
   AREA AT TOP OF SEDIMENT STORAGE = 4856 SF
   VOLUME OF TRAP
   = (2814 SF + 4856 SF)/2 X 2.5 FT SEDIMENT STORAGE DEPTH
   = 9587 CF, OR 355 CY
4. 355 CY PROVIDED STORAGE > 281 CY REQUIRED STORAGE

CLEANOUT VOLUME AND ELEVATION:

1. CLEANOUT VOLUME
   = ¼ X TOTAL STORAGE VOLUME
   = ¼ X 355 CY STORAGE VOLUME
   = 118 CY

NOTE:
THE CLEANOUT VOLUME SHALL BE MARKED WITH A STAKE AT THE OUTLET OF THE TRAP.

SEDIMENT TRAP #3 CALCULATIONS:

1. DRAINAGE AREA = 2.2 AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
   REQUIRED SEDIMENT STORAGE = 67 CY/AC * 2.2 ACRES
   REQUIRED SEDIMENT STORAGE = 147 CY
3. CALCULATE VOLUME OF TRAP
   USE SEDIMENT STORAGE DEPTH = 2.5 FT.
   AREA AT BOTTOM OF TRAP = 1325 SF
   AREA AT TOP OF SEDIMENT STORAGE = 3244 SF
   VOLUME OF TRAP
   = (1325 SF + 3244 SF)/2 X 2.5 FT SEDIMENT STORAGE DEPTH
   = 5711 CF, OR 212 CY
4. 212 CY PROVIDED STORAGE > 147 CY REQUIRED STORAGE

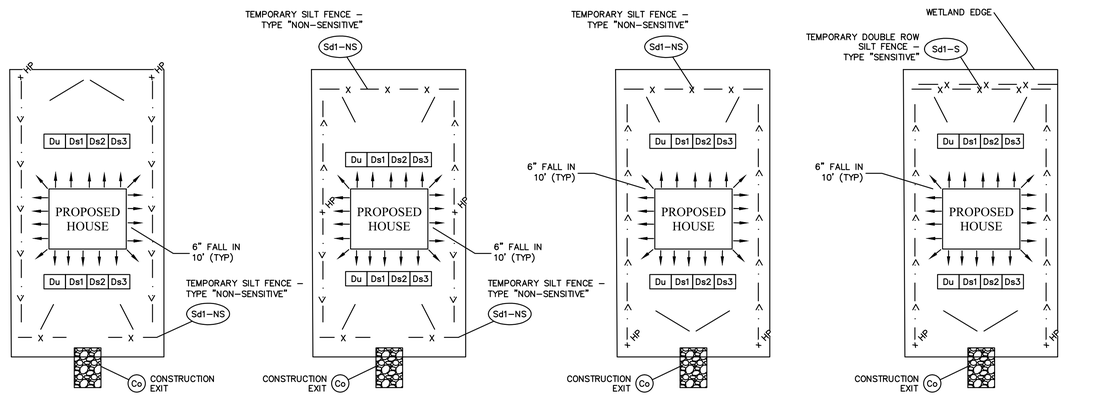
CLEANOUT VOLUME AND ELEVATION:

1. CLEANOUT VOLUME
   = ¼ X TOTAL STORAGE VOLUME
   = ¼ X 212 CY STORAGE VOLUME
   = 71 CY

NOTE:
THE CLEANOUT VOLUME SHALL BE MARKED WITH A STAKE AT THE OUTLET OF THE TRAP.

Sd4 TEMPORARY SEDIMENT TRAP CALCULATIONS

SCALE: N.T.S.



TYPE "A" LOT
TYPICAL DRAINAGE ALL TO FRONT (STREET)
(NOT TO SCALE)

TYPE "B" LOT
TYPICAL DRAINAGE TO BOTH FRONT (STREET) AND REAR (LOT LINE)
(NOT TO SCALE)

TYPE "C" LOT
TYPICAL DRAINAGE ALL TO REAR (LOT LINE)
(NOT TO SCALE)

TYPE "C" LOT DRAINING TO WETLAND
TYPICAL DRAINAGE ALL TO REAR (LOT LINE)
(NOT TO SCALE)

SITUATIONAL LOT EROSION CONTROL DETAILS

SCALE: N.T.S.

REV.	REVISIONS	BY	DATE

JASON BRYANT
GSWCC LEVEL II
DESIGN PROFESSIONAL
CERTIFICATION #73897

GEORGIA REGISTERED No. 38245 PROFESSIONAL ENGINEER JASON JOSEPH BRYANT

PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578
www.PittmanEngineeringCo.com

EROSION CONTROL DETAILS

RICE HOPE
PARKSIDE PHASES B & C
Prepared For
BEP RICE HOPE, LLC

Project No.	20-237
Drawn By:	MJS
Designed By:	DMB
Checked By:	RAP
Scale:	----
Date:	5/25/21

SHEET
EC5.3

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Civil Plans 6.23.21 (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)

S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Construction Plans\20-237 Parkside B-C - ESC Details.dwg

Coastal Soil and Water Conservation District
C/O – Jerry Holcomb
415 Willow Oak Lane
Hinesville, Georgia 31313
912-271-0133

TO: Applicants for Land Disturbing Activity Permits

FROM: Coastal Soil and Water Conservation District

DATE: JUNE 18, 2021

SUBJECT: Erosion and Sediment Control Plan Review

A conservation education contribution of $50.00 per Erosion and Sediment Control Plan is requested by the Coastal Soil and Water Conservation District. This is in addition to any charges by the local issuing authorities.

Please complete the following and attach a check in the amount of $50.00 payable to:
Coastal Soil and Water Conservation District

RICE HOPE - PARKSIDE PHASES B & C
Project Name

CHATHAM
County

BEP RICE HOPE, LLC
Applicant Name

4800 HAMPDEN LANE, STE 200, BETHESDA, MD 20814
Address

(540) 987-3164
Phone Number

To help us in processing your application mail check and this form within five (5) days to:

Coastal Soil and Water Conservation District
C/O: Jerry Holcomb
415 Willow Oak Lane
Hinesville, Georgia 31313
Phone: 912-271-0133

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Land Disturbing Application (2510 : Subdivision

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

Georgia Department of Natural Resources
Online Permitting & Reporting

Submittal Receipt

Your final/printable Notice of Intent (NOI) will be available once 14 days has passed from your submittal date and your full fee payment has been confirmed. A confirmation email will be sent to your account along with your final/printable NOI.

Please click Here to print your initial submittal receipt.

Print

Submittal Summary

Submittal ID:	**580593**	Submittal Name:	**Stormwater Construction General Permit**
Submitted Date:	**6/24/2021 8:15:11 AM**	Submitted by:	**Scott Decain 4800 hampden lane Bethesda MD 20814 301-915-0460 Msdecain@gmail.com**
Status:	**Partial Submittal**	Submission Method:	**On-line submission**
Facility / Property Name:	**Rice Hope - Parkside B & C**		

Submittal Form List

- Stormwater Construction General Permit

Attachment List

Location map (Required) -- Online

- 20-237 Rice Hope Parkside B and C - Sampling Location Map.pdf

Erosion, Sedimentation and Pollution Control Plan (Required) -- Mail

Please mail to:
EPD - District Offices

Please find district office addresses by clicking on the link of attachment name.

Supporting Document (Optional) -- Mail

Please mail to:
EPD - District Offices

Please find district office addresses by clicking on the link of attachment name.

Payment Detail

Transaction Fee	Convenience Fee	Payment Method	Paid Amount	Date Paid
-	-	Check	0.00	

Total Amount Due: $984.00

Pay To: Department of Natural Resources - EPD
Address: PO Box 932858 , Atlanta GA 31193-2858
Comments: Enclose a copy of your Submittal Receipt with your check or money order. Please send required payment to the address above.

Certification Receipt

Certification Statement:	**I hereby certify that I am the owner or authorized agent of the owner of the described property.**
Certification Question:	**where did you graduate from high school?**
Certification	*******

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Land Disturbing Application (2510 : Subdivision

Question Answer:	
PIN Number:	**********
Responsible Officer:	**Scott Decain**
Sender IP Address:	**98.244.128.155**

Print

GovOnline, Copyright © 1994-2021 enfoTech & Consulting Inc. All rights reserved.
Terms of Use | Privacy Statement

(Last modified Time: 2019-06-27 10:19 AM PID: 12PRDWEB122)

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Land Disturbing Application (2510 : Subdivision

Coastal Stormwater Supplement Site Planning & Design Worksheet

Revised July 2014

Site Data

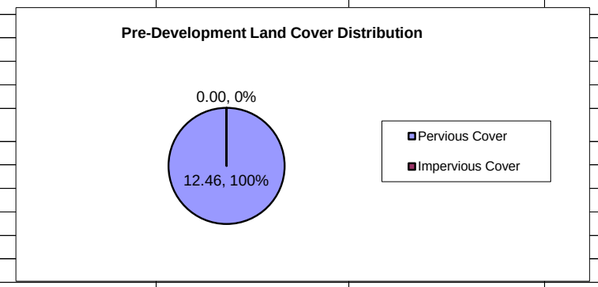
Site Name: RICE HOPE PARKSIDE PHASES B & C JOB NUMBER 20-237

data input cells
calculation cells
constant values

Step 1: Enter Site Information

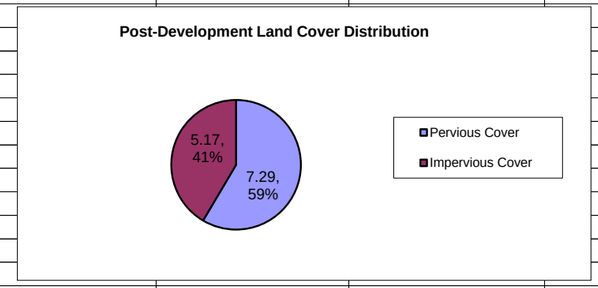
Pre-Development Land Cover (acres)

Land Cover Type	HSG A Soils	HSG B Soils	HSG C Soils	HSG D Soils	Totals
Pervious Cover	0.00	0.00	0.00	12.46	12.46
Impervious Cover	0.00	0.00	0.00	0.00	0.00
				Total	12.46

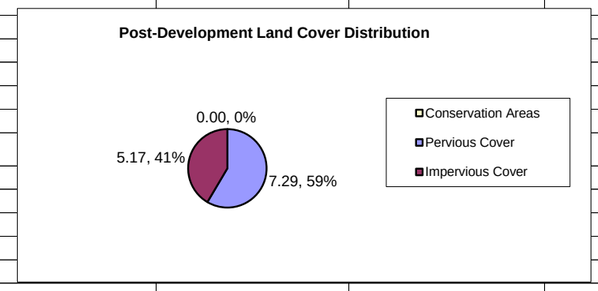


Post-Development Land Cover (acres)

Land Cover Type	HSG A Soils	HSG B Soils	HSG C Soils	HSG D Soils	Totals
Pervious Cover	0.00	0.00	0.00	7.29	7.29
Impervious Cover	0.00	0.00	0.00	5.17	5.17
				Total	12.46



Runoff Reduction Rainfall Event (inches)	1.2
Post-Development Site Imperviousness (%)	41%
Post-Development Site Runoff Coefficient, Rv	0.42
Target Runoff Reduction Volume, RRv (acre-feet)	0.53
Target Runoff Reduction Volume, RRv (cubic feet)	22,982

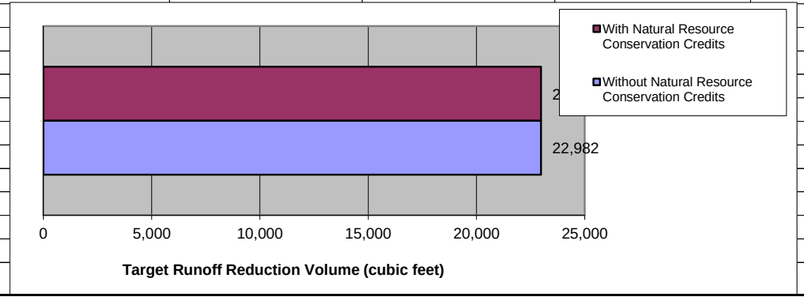


Step 2: Apply Better Site Planning Techniques

Natural Resource Conservation Credits	HSG A Soils	HSG B Soils	HSG C Soils	HSG D Soils	Total
Primary Conservation Areas (acres)	0.0	0.0	0.0	0.0	0.0
Secondary Conservation Areas (acres)	0.0	0.0	0.0	0.0	0.0
Total (acres)					0.00

Target Runoff Reduction Volume with Natural Resource Conservation Credits, RRv

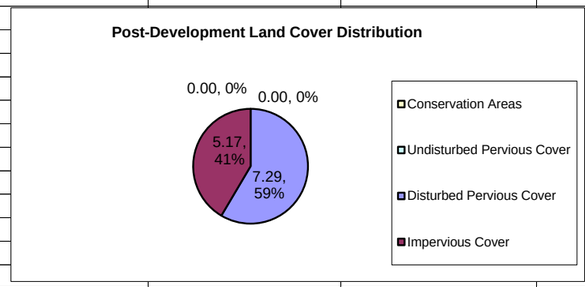
Target Runoff Reduction Volume, RRv (acre-feet)	0.53
Target Runoff Reduction Volume, RRv (cubic feet)	22,982

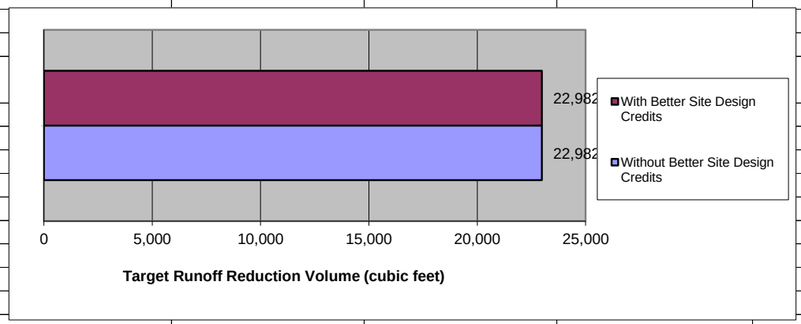


Step 3: Apply Better Site Design Techniques

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - CCS Worksheets 8.1.21 (2510 : Subdivision Application

Reduced Clearing and Grading Credits					
	HSG A soils	**HSG B Soils**	**HSG C Soils**	**HSG D Soils**	**Total**
Undisturbed Pervious Cover (Acres)	0.0	0.0	0.0	0.0	0.00
Revised Post-Development Land Cover (acres)					
Land Cover Type	**HSG A soils**	**HSG B Soils**	**HSG C Soils**	**HSG D Soils**	**Totals**
Conservation Areas	0.00	0.00	0.00	0.00	0.00
Undisturbed Pervious Cover	0.00	0.00	0.00	0.00	0.00
Disturbed Pervious Cover	0.00	0.00	0.00	7.29	7.29
Impervious Cover	0.00	0.00	0.00	5.17	5.17
				Total	12.46
Restoration of Disturbed Pervious Surfaces					
Soil Restoration (Acres)	0.0				
Site Reforestation/Vegetation (Acres)	0.0				
Soil Restoration w/ Site Reforestation/Revegetation (Acres)	0.0				
Target Runoff Reduction Volume After Application of Better Site Design Credits, RRv					
Target Runoff Reduction Volume, RRv (acre-feet)	0.53				
Target Runoff Reduction Volume, RRv (cubic feet)	22,982				
Note: Remainder of Better Site Design Techniques are considered to be "self-crediting."					





Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - CCS Worksheets 8.1.21 (2510 : Subdivision Application

Coastal Stormwater Supplement Site Planning & Design Worksheet

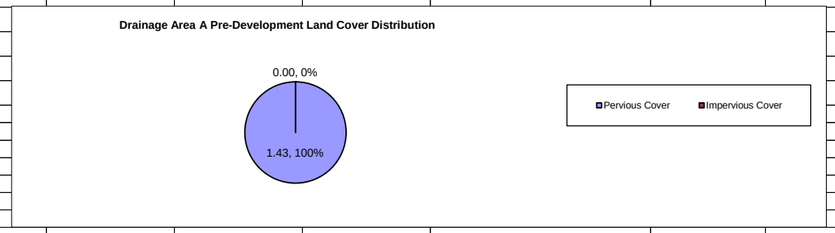
Revised July 2014

Drainage Area A

Drainage Area Information

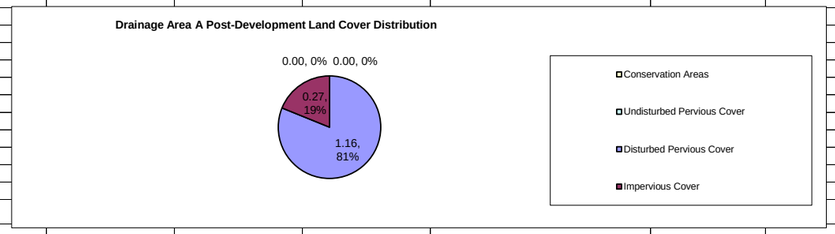
Drainage Area A Pre-Development Land Cover (acres)

Land Cover Type	HSG A soils	HSG B Soils	HSG C Soils	HSG D Soils	Totals
Pervious Cover	0.00	0.00	0.00	1.43	1.43
Impervious Cover	0.00	0.00	0.00	0.00	0.00
				Total	1.43



Drainage Area A Post-Development Land Cover (acres)

Land Cover Type	HSG A soils	HSG B Soils	HSG C Soils	HSG D Soils	Totals
Conservation Areas	0.00	0.00	0.00	0.00	0.00
Undisturbed Pervious Cover	0.00	0.00	0.00	0.00	0.00
Disturbed Pervious Cover	0.00	0.00	0.00	1.16	1.16
Impervious Cover	0.00	0.00	0.00	0.27	0.27
				Total	1.43



Low Impact Development Practices

Alternatives to Impervious Surfaces

Low Impact Development Practice	Size of Contributing Drainage Area (acres)	Impervious Cover in Contributing Drainage Area (acres)	Direct Runoff Reduction Volume Received by Practice (cubic feet)	Description of Runoff Reduction Credit	Runoff Reduction Volume Received from Upstream Practices	Total Runoff Reduction Volume Received by Practice (cubic feet)	Treatment Volume Received from Upstream Practices (cubic feet)	Total Treatment Volume Received by Practice (cubic feet)	Method for Calculating Storage	Storage Volume Provided by Practice (cubic feet)	Adjustment to Runoff Reduction Volume (cubic feet)	Remaining Runoff Reduction Volume (cubic feet)	Adjustment to Treatment Volume (cubic feet)	Remaining Treatment Volume (cubic feet)	Downstream Practice be Employed
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
"Receiving" Low Impact Development Practices															
Simple Downspout Disconnection, C/D Soils 1	0.27	0.27	1117.3	30% of volume received by the practice	0.0	1117.3	0.0	1117.3	N/A	N/A	335.2	782.1	335.2	782.1	Vegetated Filter Strip, C Soils 1
Vegetated Filter Strip, C/D Soils 1	1.16	0.00	252.6	30% of volume received by the practice	782.1	1034.8	782.1	1034.8	N/A	N/A	310.4	724.3	310.4	724.3	Stormwater Pond, Wetla or Wet Swale 1
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	No Downstream Practic
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	No Downstream Practic
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	No Downstream Practic
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
Treatment Only Practices															
Stormwater Pond, Wetland, or Wet Swale 1	0.00	0.00	0.0	None	724.3	724.3	724.3	724.3	Volume in Wet Pool and Extended Detention	5000.0	0.0	724.3	724.3	0.0	No Downstream Practic
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - CCS Worksheets 8.1.21 (2510 : Subdivision Application

Coastal Stormwater Supplement Site Planning & Design Worksheet

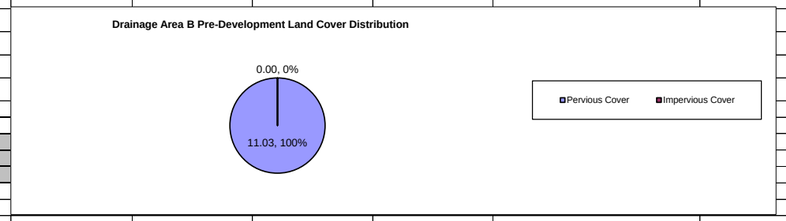
Revised July 2014

Drainage Area B

Drainage Area Information

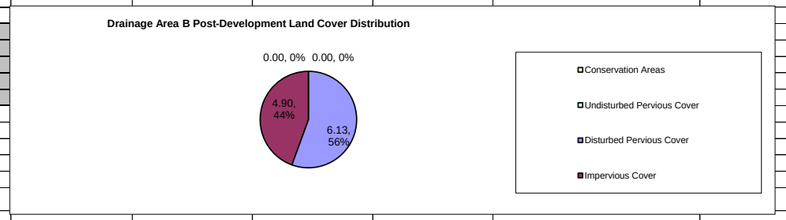
Drainage Area B Pre-Development Land Cover (acres)

Land Cover Type	HSG A soils	HSG B Soils	HSG C Soils	HSG D Soils	Totals
Pervious Cover	0.00	0.00	0.00	11.03	11.03
Impervious Cover	0.00	0.00	0.00	0.00	0.00
				Total	11.03



Drainage Area B Post-Development Land Cover (acres)

Land Cover Type	HSG A soils	HSG B Soils	HSG C Soils	HSG D Soils	Totals
Conservation Areas	0.00	0.00	0.00	0.00	0.00
Undisturbed Pervious Cover	0.00	0.00	0.00	0.00	0.00
Disturbed Pervious Cover	0.00	0.00	0.00	6.13	6.13
Impervious Cover	0.00	0.00	0.00	4.90	4.90
				Total	11.03



Low Impact Development Practices

Alternatives to Impervious Surfaces

Low Impact Development Practice	Size of Contributing Drainage Area (acres)	Impervious Cover in Contributing Drainage Area (acres)	Direct Runoff Reduction Volume Received by Practice (cubic feet)	Description of Runoff Reduction Credit	Runoff Reduction Volume Received from Upstream Practices	Total Runoff Reduction Volume Received by Practice (cubic feet)	Treatment Volume Received from Upstream Practices (cubic feet)	Total Treatment Volume Received by Practice (cubic feet)	Method for Calculating Storage	Storage Volume Provided by Practice (cubic feet)	Adjustment to Runoff Reduction Volume (cubic feet)	Remaining Runoff Reduction Volume (cubic feet)	Adjustment to Treatment Volume (cubic feet)	Remaining Treatment Volume (cubic feet)	Downstream Practice to be Employed
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
"Receiving" Low Impact Development Practices															
Simple Downspout Disconnection, C/D Soils 1	0.77	0.77	3186.4	30% of volume received by the practice	0.0	3186.4	0.0	3186.4	N/A	N/A	955.9	2230.5	955.9	2230.5	Vegetated Filter Strip, C/D Soils 1
Vegetated Filter Strip, C/D Soils 1	2.18	0.00	474.8	30% of volume received by the practice	2230.5	2705.3	2230.5	2705.3	N/A	N/A	811.6	1893.7	811.6	1893.7	Stormwater Pond, Wetland, or Wet Swale 1
Simple Downspout Disconnection, C/D Soils 2	0.50	0.50	2069.1	30% of volume received by the practice	0.0	2069.1	0.0	2069.1	N/A	N/A	620.7	1448.4	620.7	1448.4	Vegetated Filter Strip, C/D Soils 2
Vegetated Filter Strip, C/D Soils 2	1.52	0.00	331.1	30% of volume received by the practice	1448.4	1779.4	1448.4	1779.4	N/A	N/A	533.8	1245.6	533.8	1245.6	Stormwater Pond, Wetland, or Wet Swale 1
Simple Downspout Disconnection, C/D Soils 3	1.59	1.59	6579.7	30% of volume received by the practice	0.0	6579.7	0.0	6579.7	N/A	N/A	1973.9	4605.8	1973.9	4605.8	Stormwater Pond, Wetland, or Wet Swale 1
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
Treatment Only Practices															
Stormwater Pond, Wetland, or Wet Swale 1	4.47	2.04	8971.2	None	7745.1	16716.3	7745.1	16716.3	Volume in Wet Pool and Extended Detention	20000.0	0.0	16716.3	16716.3	0.0	No Downstream Practice
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
None	0.00	0.00	0.0	N/A	0.0	0.0	0.0	0.0	N/A	N/A	0.0	0.0	0.0	0.0	
Totals	**11.03**	**4.90**									**4896.0**		**21612.3**		

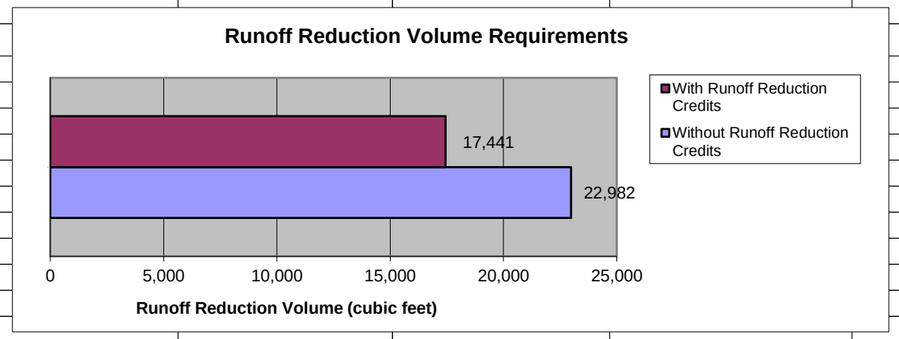
Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - CCS Worksheets 8.1.21 (2510 : Subdivision Application

Coastal Stormwater Supplement Site Planning & Design Worksheet

Revised July 2014

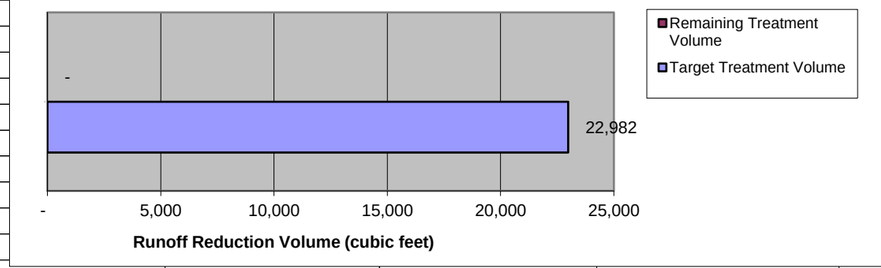
Stormwater Runoff Reduction Summary

Target Runoff Reduction and Treatment Volume, RRv (cubic feet)	22,982
Total Adjustment to Runoff Reduction Volume, RRv (cubic feet)	5,542
Percentage of Target Runoff Reduction Volume Achieved	24%
Runoff Reduction Volume Achieved (in)	0.29
Runoff Reduction Volume Remaining (cubic feet)	17,441

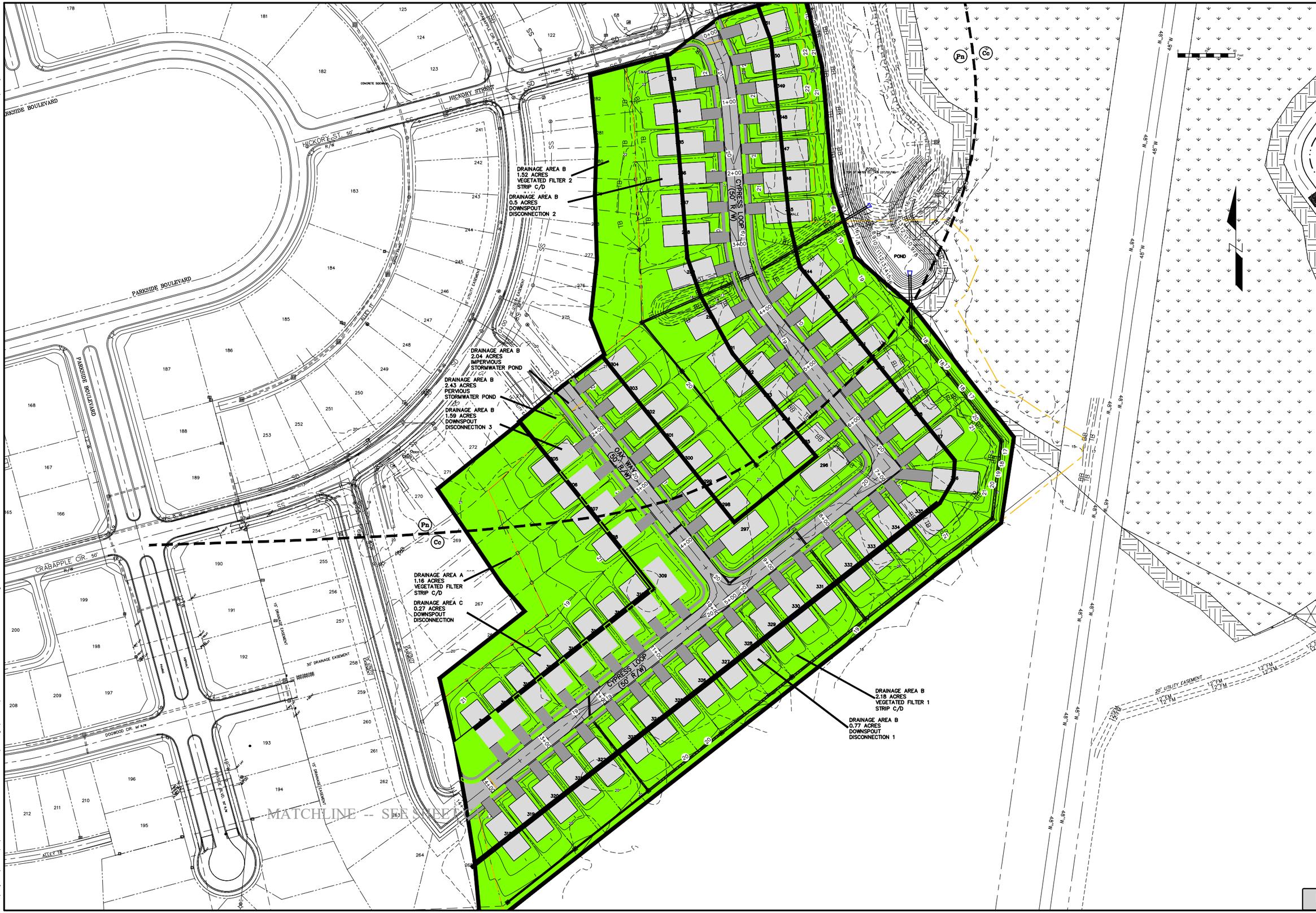


Note: If any of the target runoff reduction volume cannot be reduced on the development site, due to site characteristics or constraints, it should be intercepted and treated in one or more stormwater management practices that: (1) provide for at least an 80 percent reduction in TSS loads; and (2) reduce nitrogen and bacteria loads to the maximum extent practical.

Treatment Volume Achieved (cubic feet)	22,982
Treatment Volume Remaining (cubic feet)	-



Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - CCS Worksheets 8.1.21 (2510 : Subdivision Application



PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578

GEORGIA REGISTERED No. 38245 PROFESSIONAL ENGINEER JASON

INLET BASIN EXHIBIT

RICE HOPE
PARKSIDE PHASES B & C

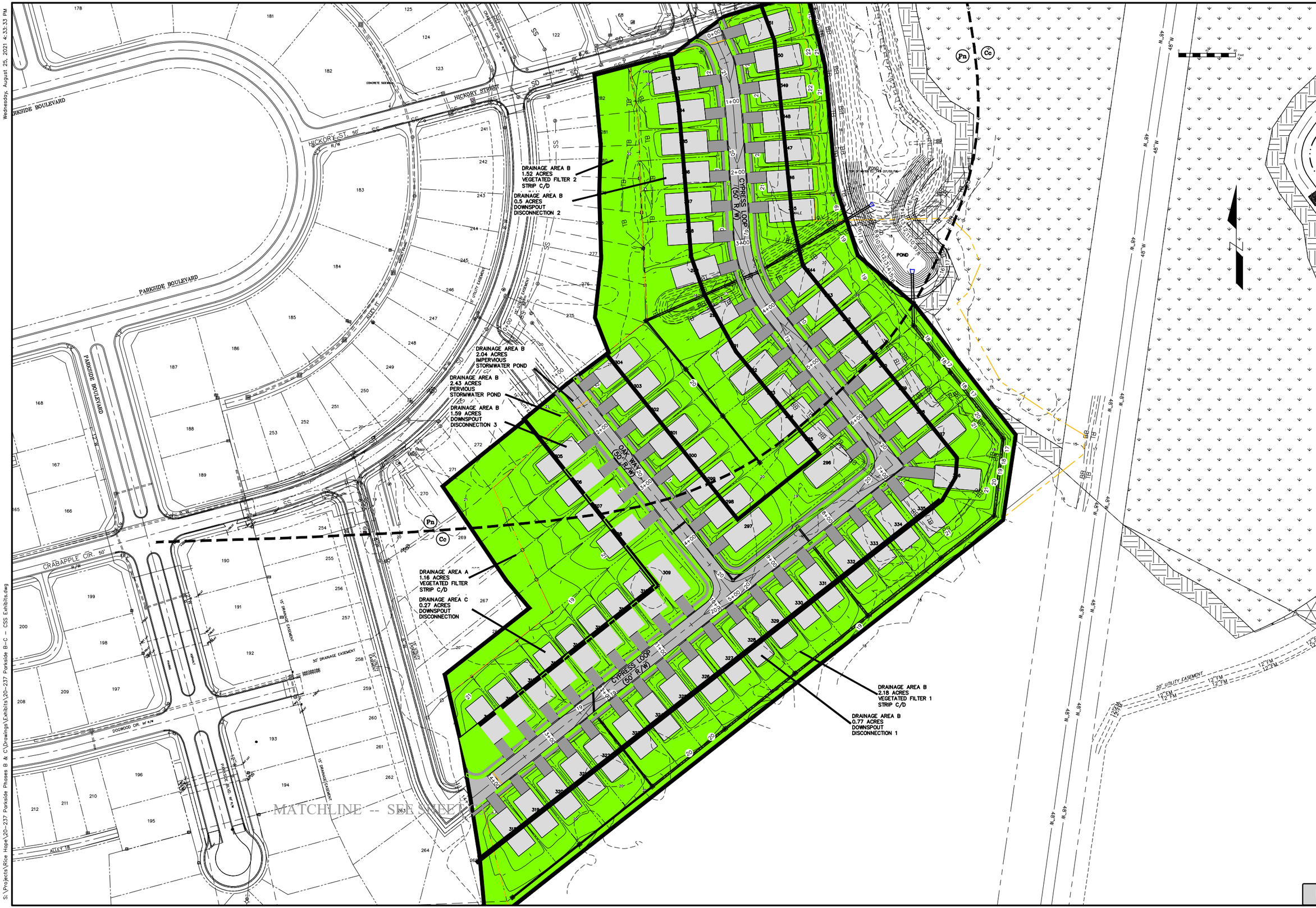
Project No. 20-
Drawn By: MJS
Designed By: DME
Checked By: RAP
Scale: 1"=
Date: 3/2

SHEET
INLET

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - CCS Worksheets 8.1.21 (2510 : Subdivision Application

Wednesday, August 25, 2021 4:33:33 PM

S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Exhibits\20-237 Parkside B-C - CSS Exhibits.dwg



PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578

GEORGIA REGISTERED No. 38245 PROFESSIONAL ENGINEER JASON HRYANT

INLET BASIN EXHIBIT

RICE HOPE
PARKSIDE PHASES B & C

Project No. 20-
Drawn By: MJS
Designed By: DME
Checked By: RAP
Scale: 1"=
Date: 3/2

SHEET
INLET

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - CCS Exhibit 8.1.21 (2510 : Subdivision Application

Wednesday, August 25, 2021 4:33:33 PM

S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Exhibits\20-237 Parkside B-C - CSS Exhibits.dwg

Rice Hope Parkside B & C
WASTEWATER EXTENSION CALCULATIONS
August 1, 2021
BEP Rice Hope, LLC
Pittman Engineering Co., LLC

The proposed 8-Inch diameter sewer mains will extend from an existing manhole within the Rice Hope Parkside development.

The maximum expected domestic flow through the 8 diameter mains is approximately 143 gpm, based on a peaking factor of 3.5.

- (69 residences x 300 gpd per residence x 3.5 peak) / 1440 min/day = 51 gpm

The capacity of an 8-Inch diameter main at minimum slope is approximately 313 gpm. Therefore, the 8 mains have adequate capacity to serve this project.

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Water and Wastewater Cals (2510 : Subdivision

Rice Hope Parkside B & C
WATER DISTRIBUTION CALCULATIONS
August 1, 2021
BEP Rice Hope, LLC
Pittman Engineering Co., LLC

The proposed 1,710 linear feet of 8-nch diameter water mains will extend from 3 existing 8-Inch diameter water mains. The tie-ins will occur at Hickory Street, Oak Way and Cypress Loop. The proposed mains will create a loop with the existing system.

The City of Port Wentworth requirement for fire flow at the most distant point within the project is 1,000 gpm.

The maximum peak instantaneous (peak) demand for residential communities with 69 connections expected through the 8-Inch diameter water main is 114 gpm. (Refer page 38 from the "Minimum Standards For Public Water Systems")

Number of Connections	Gallons Per Minute
60	106
69	***114***
70	115

The total flow demand for the project = 1,000 gpm + 114 gpm = 1,114 gpm

The total head loss using the Hazen-Williams formula with C=120 is:

Head Loss = 0.2083 x (100/C)^1.852 x Q^1.852 / D^4.8655

Head Loss = friction head loss in feet of water per 100 feet of pipe,
C = coefficient for roughness of the interior pipe surface
Q = flow rate in gallons per minute
D = inside diameter of pipe in inches

For the 8-Inch diameter water main,
If C=120, Q=1,114 gpm and D=8-Inches, then Head Loss = 2.636 ft/100 ft

Determine the head loss in the 8-Inch diameter water main,
Head Loss = 2.636 ft/100 ft x 1,710= ft = 45.07 ft
Converting ft to psi = 45.07 ft x 1 psi/2.31 ft = 19.5 psi pressure drop

Minimum residual starting pressure at tie-in location must be sufficient to account for the 19.5 psi drop, while providing 20 psi minimum at the farthest hydrant from the tie-in location.

Minimal residual starting pressure at tie-in,
= 20 psi minimum + 19.5 psi pressure drop = 39.5 psi

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Water and Wastewater Cals (2510 : Subdivision

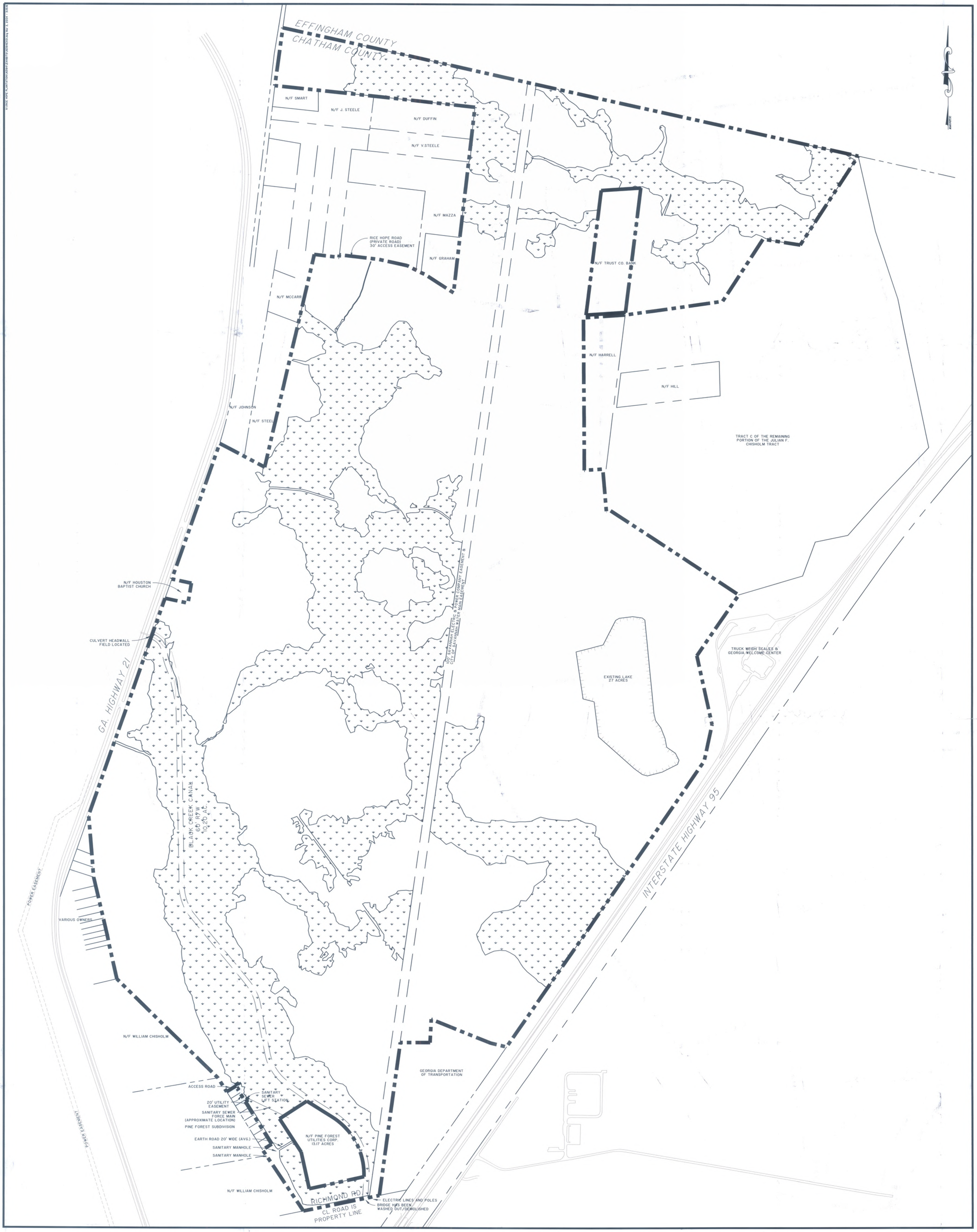


EXHIBIT 1
VICINITY MAP

RICE HOPE PLANTATION

PORT WENTWORTH, GEORGIA

LEGEND

- *RICE HOPE PLANTATION PROPERTY BOUNDARY*
- *SURVEYED WETLANDS*

PREPARED FOR:
SIVICA COMMUNITIES INC.
ROSWELL, GEORGIA

PREPARED BY:
THOMAS & HUTTON ENGINEERING CO.
SAVANNAH, GEORGIA

FEBRUARY 26, 2004
J-16394

GRAPHIC SCALE

400 0 200 400 800 1600

(IN FEET)
1 inch = 400 ft.

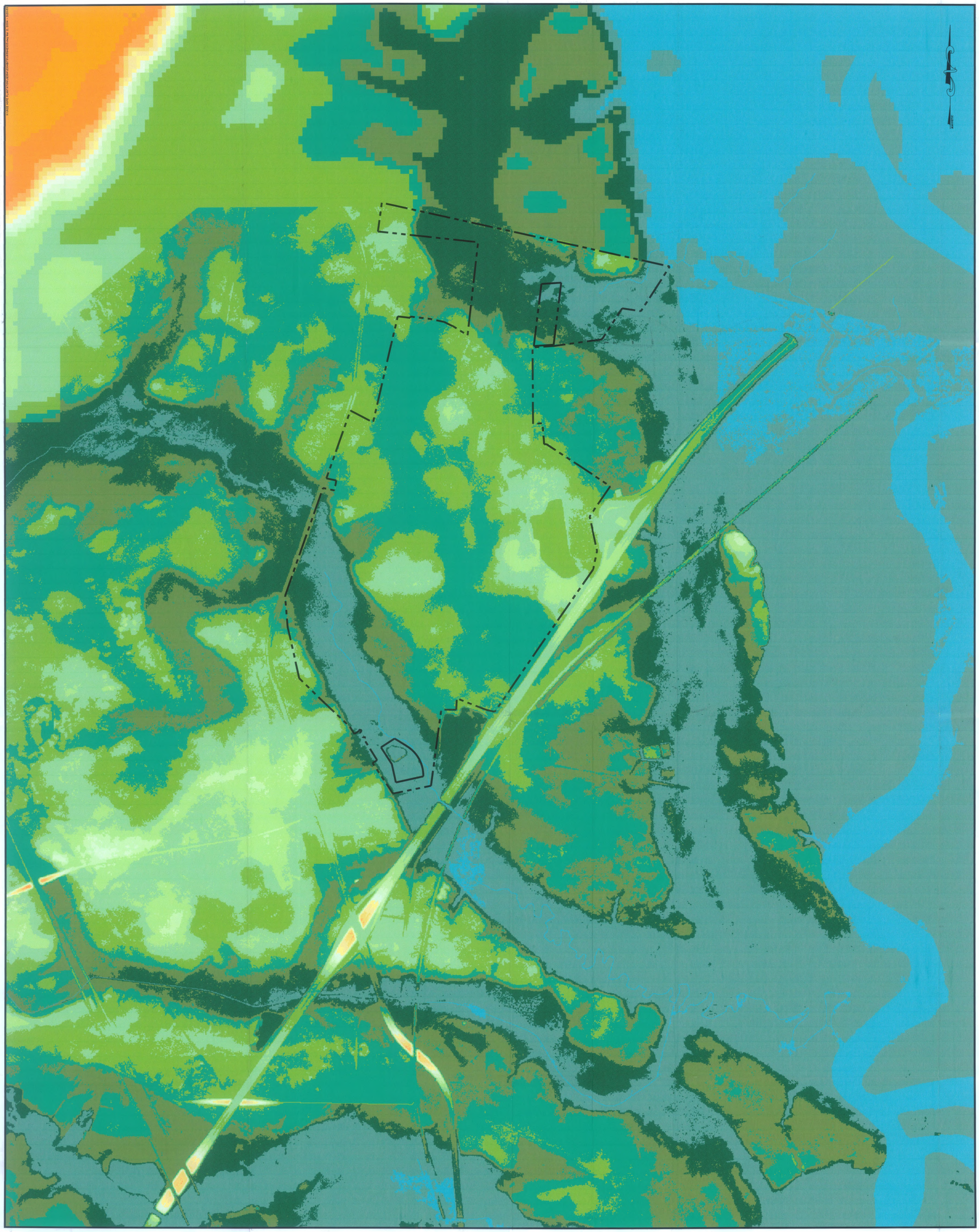
Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Exhibits (2510 : Subdivision Application Parkside Ph B & C Prelimary Plat)

EXHIBIT 3

DIGITAL ELEVATION MODEL DERIVED FROM LIDAR TECHNOLOGY

RICE HOPE PLANTATION

PORT WENTWORTH, GEORGIA



LEGEND

RICE HOPE PLANTATION PROPERTY BOUNDARY

Legend

Below 3	59 - 62
3 - 8	62 - 65
8 - 11	65 - 68
11 - 14	68 - 71
14 -17	71 - 74
17 - 20	74 - 77
20 - 23	77 - 80
23 - 26	80 - 83
26 - 29	83 - 86
29 - 32	86 - 89
32 - 35	89 - 92
35 - 38	92 - 95
38 - 41	95 - 98
41 - 44	98 - 101
44 - 47	101 - 104
47 - 50	104 - 107
50 - 53	107 - 110
53 - 56	110 - 113
56 - 59	113 - 116
	116 - 119

PREPARED FOR:
SIVICA COMMUNITIES INC.
ROSWELL, GEORGIA

PREPARED BY:
THOMAS & HUTTON ENGINEERING CO.
SAVANNAH, GEORGIA

FEBRUARY 26, 2004
J-16394

GRAPHIC SCALE

800 0 400 800 1600 3200

(IN FEET)
1 inch = 800 ft.

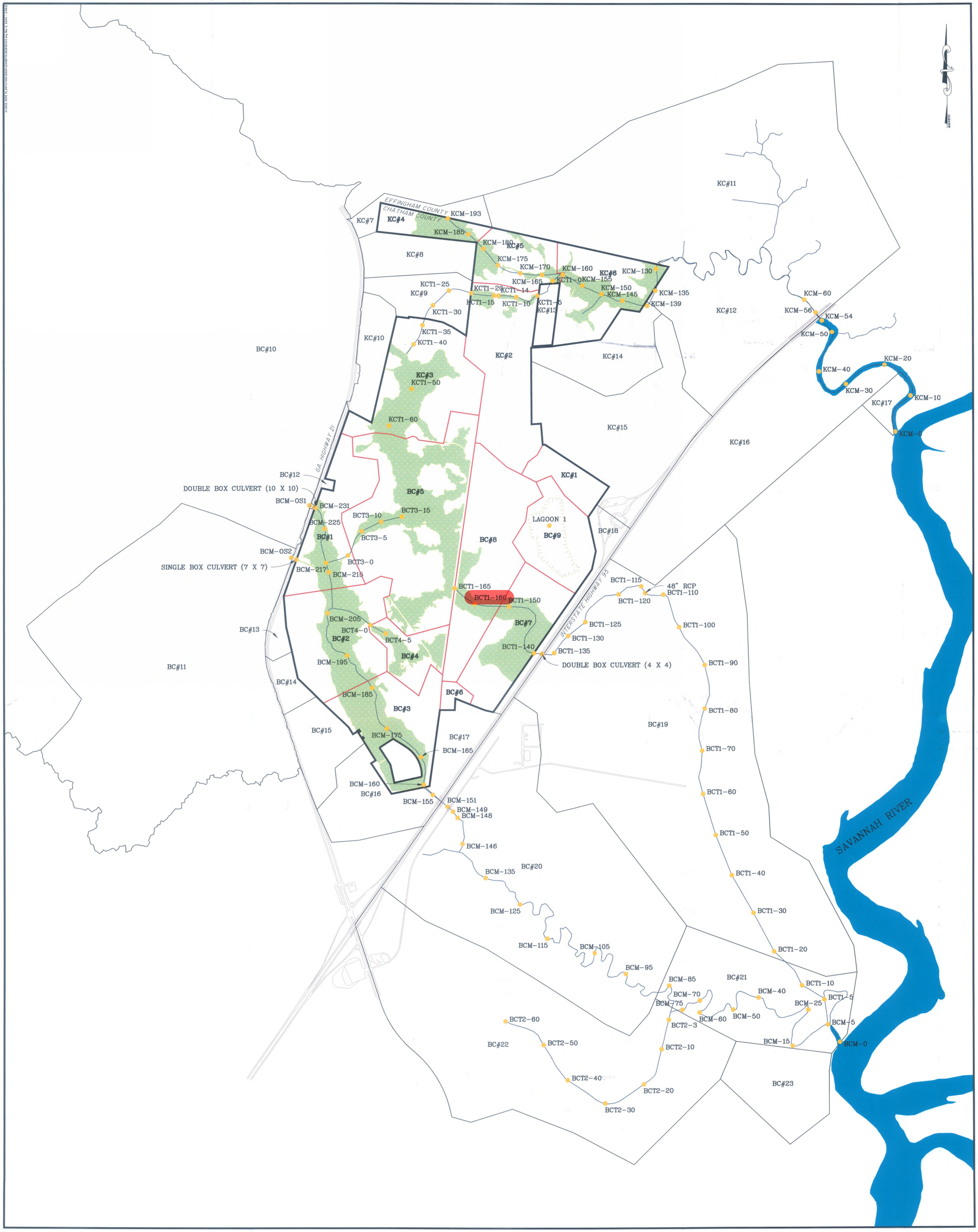
Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Exhibits (2510 : Subdivision Application Parkside Ph B & C Prelimary Plat)

EXHIBIT 4

PRE-DEVELOPMENT SUB-BASIN DELINEATION AND NODE LOCATION MAP

RICE HOPE PLANTATION

PORT WENTWORTH, GEORGIA



LEGEND

- RICE HOPE PLANTATION PROPERTY BOUNDARY
- SURVEYED WETLANDS
- HYDROGRAPHY
- ON-SITE DRAINAGE BASIN
- OFF-SITE DRAINAGE BASIN
- FLOW NETWORK
- NODE NETWORK

PREPARED FOR:
SIVICA COMMUNITIES INC.
ROSWELL, GEORGIA

PREPARED BY:
THOMAS & HUTTON ENGINEERING CO.
SAVANNAH, GEORGIA

FEBRUARY 26, 2004
J-16394

GRAPHIC SCALE

800 0 400 800 1600 3200

(IN FEET)
1 inch = 800 ft.

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Exhibits (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)

EXHIBIT 5

PRE-DEVELOPMENT HYDROLOGIC SOIL GROUPS MAP

RICE HOPE PLANTATION

PORT WENTWORTH, GEORGIA

KC#11
KC#7
KC#4
KC#5
KC#8
KC#6
KC#9
KC#13
KC#12
KC#10
BC#10
KC#2
KC#14
KC#3
KC#17
KC#15
KC#16
BC#12
BC#5
KC#1
BC#1
BC#8
BC#9
BC#18
BC#7
BC#13
BC#2
BC#4
BC#11
BC#14
BC#6
BC#3
BC#19
BC#15
BC#17
BC#16
BC#20
BC#21
BC#22
BC#23

LEGEND

- RICE HOPE PLANTATION PROPERTY BOUNDARY
- ON-SITE DRAINAGE BASIN
- OFF-SITE DRAINAGE BASIN

HYDROLOGIC SOIL GROUPS

- B/D
- C
- D
- SALT MARSH
- WATER

PREPARED FOR:
SIVICA COMMUNITIES INC.
ROSWELL, GEORGIA

PREPARED BY:
THOMAS & HUTTON ENGINEERING CO.
SAVANNAH, GEORGIA

FEBRUARY 26, 2004
J-16394

GRAPHIC SCALE

800 0 400 800 1600 3200

(IN FEET)
1 inch = 800 ft.

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Exhibits (2510 : Subdivision Application Parkside Ph B & C Preliminary Plat)

DRAINAGE REPORT
RICE HOPE
PARKSIDE PHASES B & C

PREPARED FOR:

BEP RICE HOPE, LLC

CITY OF PORT WENTWORTH,

CHATHAM COUNTY, GEORGIA

PITTMAN ENGINEERING

JUNE 1, 2021

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Report 6.1.21 (2510 : Subdivision Application

DRAINAGE REPORT

TABLE OF CONTENTS

SECTION 1: PROJECT INFORMATION

PROJECT DESCRIPTION

METHODOLOGY FOR STORMWATER ATTENUATION

DESIGN TAILWATER

DESIGN STORMS SUMMARY (PRE- VERSUS POST-DEVELOPMENT)

SECTION 2: PRE-DEVELOPMENT

SCS CURVE NUMBERS

TIMES OF CONCENTRATION

DESIGN STORMS PRE-DEVELOPMENT RUNOFF RATES

SECTION 3: POST-DEVELOPMENT

SCS CURVE NUMBERS

TIMES OF CONCENTRATION

DESIGN STORMS POST-DEVELOPMENT RUNOFF RATES

SECTION 4: POST-DEVELOPMENT ICPR RESULTS AND INPUT

ICPR NODE MAP

INPUT AND RESULTS

SECTION 5: EXHIBITS

PRE-DEVELOPMENT INFORMATION - JULY 19, 2004 RICE HOPE PLANTATION DRAINAGE STUDY

PIPE CALCULATION SPREADSHEET

INLET BASIN EXHIBIT

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Report 6.1.21 (2510 : Subdivision Application

SECTION 1:
PROJECT INFORMATION

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Report 6.1.21 (2510 : Subdivision Application

SECTION 1: PROJECT INFORMATION

PROJECT DESCRIPTION

Rice Hope Parkside Phases B & C proposes the construction of 69 single-family lots. The project site is in the City of Port Wentworth, Chatham County. The site is located within the Rice Hope master planned community, and outfalls to an existing master planned drainage and lagoon system. The site is partially wooded. Most of the site drains north into an existing lagoon system. The remaining site drains west into an existing master planned drainage pipe system.

Runoff from the lots and roads will be collected by a series of grassed swales, gutters, and drainage inlets. The proposed drainage will outfall into the existing Rice Hope drainage system.

METHODOLOGY FOR STORM WATER ATTENUATION

The storm water management system includes a proposed stormwater facility and grassed swales. The storm water system was analyzed for the 2, 5, 10, 25, 50 and 100-year frequencies, 24-hour, antecedent condition II storm events.

DESIGN TAIL WATER

The tail water elevation was set to the wetland elevation of 13.2 feet, NAVD 88 datum.

DESIGN STORM SUMMARIES

The pre- and post-development conditions were modeled using the ICPR program. Based on the results, the post-development peak runoff rates do not exceed the pre-development runoff rates.

DESIGN STORM SUMMARY (PRE- VERSUS POST-DEVELOPMENT)

The design storms pre- versus post-development analysis compared node BCT1-160 from the July 19, 2004 Rice Hope Plantation Drainage Study with node OUT-LAG2 from the post-development ICPR node maximum report. The rounded peak runoff rates:

Design Storm	Pre-development Peak Runoff (cfs)	Post-development Peak Runoff (cfs)
2-yr	60 cfs	58 cfs
10-yr	126 cfs	110 cfs
25-yr	156 cfs	124 cfs
50-yr	183 cfs	147 cfs
100-yr	215 cfs	152 cfs

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Report 6.1.21 (2510 : Subdivision Application

SECTION 2:

PRE-DEVELOPMENT

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Report 6.1.21 (2510 : Subdivision Application

SECTION 2: PRE-DEVELOPMENT CONDITIONS

SCS CURVE NUMBERS

The pre-development curve numbers were based on the hydrologic soil groups for the site and existing conditions, per the July 19, 2004 Rice Hope Plantation Drainage Study.

TIMES OF CONCENTRATION

The times of concentration were calculated per the July 19, 2004 Rice Hope Plantation Drainage Study.

DESIGN STORMS PRE-DEVELOPMENT RUN-OFF RATES

The design storms pre-development run-off rates are based on the max inflow at node BCT1-160 from the July 19, 2004 Rice Hope Plantation Drainage Study.

Design Storm	Pre-development Peak Runoff (cfs)
2-yr	60 cfs
10-yr	126 cfs
25-yr	156 cfs
50-yr	183 cfs
100-yr	215 cfs

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Report 6.1.21 (2510 : Subdivision Application

SECTION 3:
POST-DEVELOPMENT

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Report 6.1.21 (2510 : Subdivision Application

SECTION 3: POST-DEVELOPMENT CONDITIONS

SCS CURVE NUMBERS

The post-development curve number is based on the hydrologic soil group for the site - Type D and the proposed site conditions.

POST-BASIN	CURVE NUMBER (CN)
B-LAG2	90

TIMES OF CONCENTRATION

The times of concentration were calculated using the TR-55 method, based on the travel times for overland and shall concentrated flows. The overland flow lengths were limited to fifty (50) feet and the remaining flow lengths consisted of shallow concentrated flow.

POST- BASIN	TIME OF CONCENTRATION (MINUTES)
B-LAG2	20

DESIGN STORMS POST-DEVELOPMENT RUN-OFF RATES

The design storms post-development run-off rates were analyzed for node OUT-LAG2. The post-development run-off rates (rounded) were calculated using the Interconnected Pond Routing program version 3 (ICPR).

Design Storm	**Post-development Peak Runoff (cfs)**
2-yr	58 cfs
10-yr	110 cfs
25-yr	124 cfs
50-yr	147 cfs
100-yr	152 cfs

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Report 6.1.21 (2510 : Subdivision Application

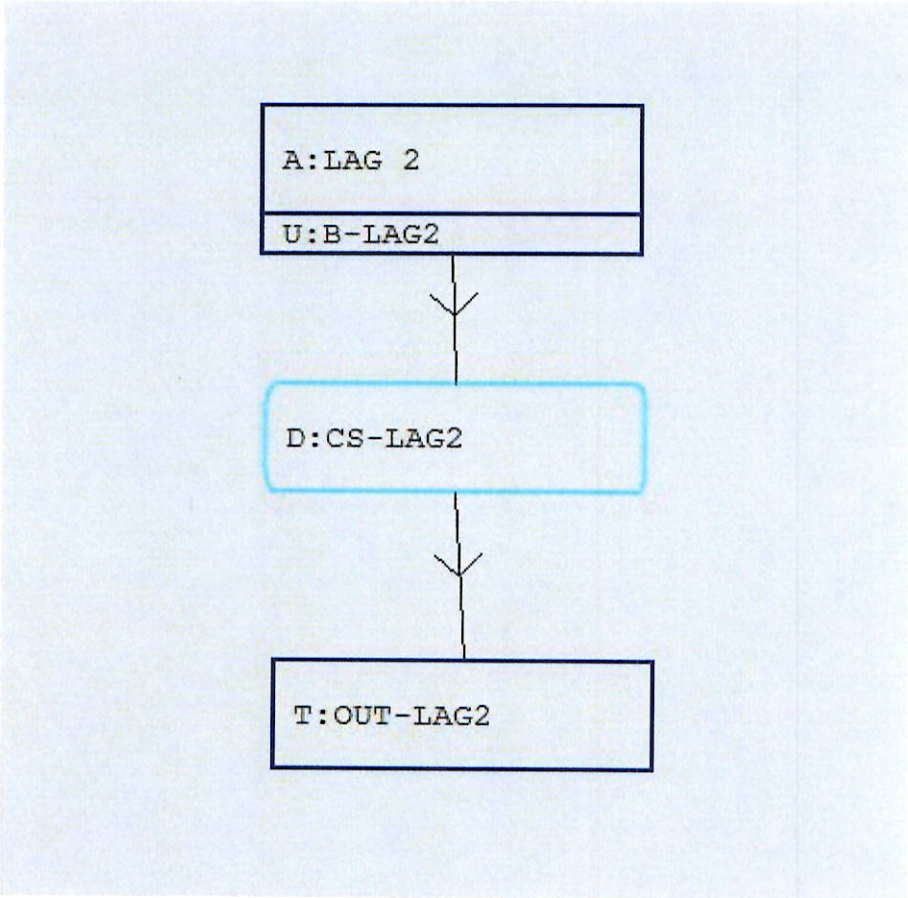
SECTION 4:

ICPR INPUT AND RESULTS

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Report 6.1.21 (2510 : Subdivision Application

RICE HOPE PARKSIDE B&C
PITTMAN ENGINEERING
POST DEVELOPMENT

NODE MAP



Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Report 6.1.21 (2510 : Subdivision Application

RICE HOPE PARKSIDE B&C
PITTMAN ENGINEERING
POST DEVELOPMENT
INPUT REPORT

Basins

Name: B-LAG2 | Node: LAG 2 | Status: Onsite
Group: POST | Type: SCS Unit Hydrograph CN

Unit Hydrograph:	Uh323	Peaking Factor:	323.0
Rainfall File:	Scsiii	Storm Duration(hrs):	0.00
Rainfall Amount(in):	0.000	Time of Conc(min):	20.00
Area(ac):	62.600	Time Shift(hrs):	0.00
Curve Number:	90.00	Max Allowable Q(cfs):	999999.000
DCIA(%):	0.00		

Nodes

Name: LAG 2 | Base Flow(cfs): 0.000 | Init Stage(ft): 14.000
Group: POST | Warn Stage(ft): 19.000
Type: Stage/Area

Stage(ft)	Area(ac)
14.000	5.4200
18.000	6.5600

Name: OUT-LAG2 | Base Flow(cfs): 0.000 | Init Stage(ft): 13.200
Group: POST | Warn Stage(ft): 18.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	13.200
14.00	13.200

Drop Structures

Name: CS-LAG2 | From Node: LAG 2 | Length(ft): 40.00
Group: POST | To Node: OUT-LAG2 | Count: 1

	UPSTREAM	DOWNSTREAM
Geometry:	Circular	Circular
Span(in):	48.00	48.00
Rise(in):	48.00	48.00
Invert(ft):	7.000	7.000
Manning's N:	0.013000	0.013000
Top Clip(in):	0.000	0.000
Bot Clip(in):	0.000	0.000

Friction Equation: Automatic
Solution Algorithm: Most Restrictive
Flow: Both
Entrance Loss Coef: 0.000
Exit Loss Coef: 1.000
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Solution Incs: 10

Upstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

Downstream FHWA Inlet Edge Description:
Circular Concrete: Groove end projecting

*** Weir 1 of 2 for Drop Structure CS-LAG2 ***

TABLE

Count:	3	Bottom Clip(in):	0.000
Type:	Vertical: Mavis	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600
Span(in):	60.00	Invert(ft):	14.000
Rise(in):	12.00	Control Elev(ft):	14.000

*** Weir 2 of 2 for Drop Structure CS-LAG2 ***

TABLE

Count:	1	Bottom Clip(in):	0.000
Type:	Horizontal	Top Clip(in):	0.000
Flow:	Both	Weir Disc Coef:	3.200
Geometry:	Rectangular	Orifice Disc Coef:	0.600

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Report 6.1.21 (2510 : Subdivision Application

RICE HOPE PARKSIDE B&C
PITTMAN ENGINEERING
POST DEVELOPMENT
INPUT REPORT

Span(in): 60.00 Invert(ft): 15.000
Rise(in): 60.00 Control Elev(ft): 15.000

==========
==== Hydrology Simulations ==========
==========

Name: 10 YR POST
Filename: D:\Rice Hope\Parkside B and C\Post\10 YR POST.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Scsiii
Rainfall Amount(in): 7.00

Time(hrs)	Print Inc(min)
24.000	5.00

Name: 100 YR POST
Filename: D:\Rice Hope\Parkside B and C\Post\100 YR POST.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Scsiii
Rainfall Amount(in): 10.50

Time(hrs)	Print Inc(min)
24.000	5.00

Name: 2 YR POST
Filename: D:\Rice Hope\Parkside B and C\Post\2 YR POST.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Scsiii
Rainfall Amount(in): 4.50

Time(hrs)	Print Inc(min)
24.000	5.00

Name: 25 YR POST
Filename: D:\Rice Hope\Parkside B and C\Post\25 YR POST.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Scsiii
Rainfall Amount(in): 8.00

Time(hrs)	Print Inc(min)
24.000	5.00

Name: 50 YR POST
Filename: D:\Rice Hope\Parkside B and C\Post\50 YR POST.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Scsiii
Rainfall Amount(in): 10.00

Time(hrs)	Print Inc(min)
24.000	5.00

==========
==== Routing Simulations ==========
==========

Name: 10 YR POST Hydrology Sim: 10 YR POST
Filename: D:\Rice Hope\Parkside B and C\Post\10 YR POST.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 0.10 Delta Z Factor: 0.00500

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Report 6.1.21 (2510 : Subdivision Application

RICE HOPE PARKSIDE B&C
PITTMAN ENGINEERING
POST DEVELOPMENT
INPUT REPORT

Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 24.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
24.000	15.000

Group	Run
POST	Yes

Name: 100 YR POST Hydrology Sim: 100 YR POST
Filename: D:\Rice Hope\Parkside B and C\Post\100 YR POST.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 0.10 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 24.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
24.000	15.000

Group	Run
POST	Yes

Name: 2 YR POST Hydrology Sim: 2 YR POST
Filename: D:\Rice Hope\Parkside B and C\Post\2 YR POST.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 0.10 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 24.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
24.000	15.000

Group	Run
POST	Yes

Name: 25 YR POST Hydrology Sim: 25 YR POST
Filename: D:\Rice Hope\Parkside B and C\Post\25 YR POST.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 0.10 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 24.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
24.000	15.000

Group	Run

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Report 6.1.21 (2510 : Subdivision Application

RICE HOPE PARKSIDE B&C
PITTMAN ENGINEERING
POST DEVELOPMENT
INPUT REPORT

POST	Yes

Name: 50 YR POST Hydrology Sim: 50 YR POST
Filename: D:\Rice Hope\Parkside B and C\Post\50 YR POST.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 0.10 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 24.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
24.000	15.000

Group	Run
POST	Yes

Boundary Conditions

Name: 1-YR Node: OUT-LAG2 Type: Stage

Time(hrs)	Stage(ft)
0.000	13.200
12.000	14.400
24.000	13.200

Name: 10-YR Node: OUT-LAG2 Type: Stage

Time(hrs)	Stage(ft)
0.000	13.200
12.000	15.290
24.000	13.200

Name: 25-YR Node: OUT-LAG2 Type: Stage

Time(hrs)	Stage(ft)
0.000	13.200
12.000	15.520
24.000	13.200

Name: 100-YR Node: OUT-LAG2 Type: Stage

Time(hrs)	Stage(ft)
0.000	13.200
12.000	15.980
24.000	13.200

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Report 6.1.21 (2510 : Subdivision Application

RICE HOPE PARKSIDE B&C
PITTMAN ENGINEERING
POST DEVELOPMENT
NODE MAXIMUM REPORT

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs
LAG 2	POST	10 YR POST	12.73	15.68	19.00	-0.0005	256947	12.33	213.17	12.73
LAG 2	POST	100 YR POST	12.80	16.55	19.00	0.0005	267751	12.33	330.73	12.80
LAG 2	POST	2 YR POST	12.82	15.12	19.00	0.0005	249992	12.33	127.99	12.82
LAG 2	POST	25 YR POST	12.74	15.92	19.00	0.0005	259895	12.33	246.93	12.74
LAG 2	POST	50 YR POST	12.79	16.42	19.00	0.0005	266125	12.33	314.02	12.79
OUT-LAG2	POST	10 YR POST	0.00	13.20	18.00	0.0000	0	12.73	109.93	0.00
OUT-LAG2	POST	100 YR POST	0.00	13.20	18.00	0.0000	0	12.80	151.66	0.00
OUT-LAG2	POST	2 YR POST	0.00	13.20	18.00	0.0000	0	12.82	58.03	0.00
OUT-LAG2	POST	25 YR POST	0.00	13.20	18.00	0.0000	0	12.74	124.11	0.00
OUT-LAG2	POST	50 YR POST	0.00	13.20	18.00	0.0000	0	12.79	147.09	0.00

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Report 6.1.21 (2510 : Subdivision Application

RICE HOPE PARKSIDE B&C
PITTMAN ENGINEERING
POST DEVELOPMENT
BASIN MAXIMUM REPORT

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
10 YR POST	B-LAG2	POST	12.31	214.75	5.826	1323808
100 YR POST	B-LAG2	POST	12.31	333.42	9.279	2108548
2 YR POST	B-LAG2	POST	12.31	128.76	3.397	771975
25 YR POST	B-LAG2	POST	12.31	248.83	6.808	1547141
50 YR POST	B-LAG2	POST	12.31	316.56	8.784	1996012

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Report 6.1.21 (2510 : Subdivision Application

RICE HOPE PARKSIDE B&C
PITTMAN ENGINEERING
POST DEVELOPMENT
LINK MAXIMUM REPORT

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
CS-LAG2	POST	10 YR POST	12.73	109.93	-0.053	12.73	15.68	0.00	13.20
CS-LAG2	POST	100 YR POST	12.80	151.66	0.049	12.80	16.55	0.00	13.20
CS-LAG2	POST	2 YR POST	12.82	58.03	-0.046	12.82	15.12	0.00	13.20
CS-LAG2	POST	25 YR POST	12.74	124.11	-0.048	12.74	15.92	0.00	13.20
CS-LAG2	POST	50 YR POST	12.79	147.09	0.049	12.79	16.42	0.00	13.20

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Report 6.1.21 (2510 : Subdivision Application

SECTION 5:

EXHIBITS

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Report 6.1.21 (2510 : Subdivision Application

RICE HOPE PLANTATION
DRAINAGE STUDY

PORT WENTWORTH, GEORGIA

SIVICA COMMUNITIES, INC.

PREPARED BY

THOMAS & HUTTON ENGINEERING CO.

J-16394
MARCH 3, 2004
REVISED: JULY 19, 2004

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Drainage Report 6.1.21 (2510 : Subdivision Application

Table of Contents

Executive Summary..... 1

Introduction..... 2

Description of Study Area..... 2

Procedures..... 3

Conclusions..... 4

Figures (See Appendix B – Methodology for Figures)

Figure 1 – Stage – Area Curve..... Appendix B

Figure 2 – Computation of Mean Curve Number..... Appendix B

Figure 3 – Rainfall Frequency Chart..... Appendix B

Figure 4 – 24 Hour Rainfall Distribution Curve..... Appendix B

Figure 5 – Advanced Rainfall Runoff Model..... Appendix B

Figure 6 – Flood Routing..... Appendix B

Figure 7 – Link-Node Hydrodynamic Model..... Appendix B

Tables

Table 1 – Hydrology Report Black Creek Watershed

Table 2 – Hydrology Report Knoxboro Creek Watershed

Table 3 – Hydrodynamics Report Black Creek Watershed

Table 4 – Hydrodynamics Report Knoxboro Creek Watershed

Table 5 – Pre-Development versus Post Development Flows

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Hydrology Report (2510 : Subdivision Application

Exhibits

Exhibit 1 – Vicinity Map

Exhibit 2 – Aerial Photograph

Exhibit 3 – Digital Elevation Model

Exhibit 4 – Pre-Development Sub-Basin Delineation and Node Location Map

Exhibit 5 – Pre-Development Hydrologic Soil Groups Map

Exhibit 6 – Post Development Sub-Basin Delineation and Node Location Map

Exhibit 7 – Post Development Lagoon Routing Map

Appendices

Appendix A
Methodology

Appendix B
Calculations

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Hydrology Report (2510 : Subdivision Application

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Hydrology Report (2510 : Subdivision Application

Executive Summary

The property known as Rice Hope Plantation is comprised of approximately 1,340 acres, situated between Interstate 95, and GA Highway 21. It is proposed that Rice Hope will be developed as a master planned mixed use community. This comprehensive stormwater management study was performed to evaluate the pre and post development drainage conditions at Rice Hope in order to serve as a guide for development within the tract. The data contained in this report is the predicted results of a hydrodynamic model based upon the most current and accurate information available. It should not be assumed that the information contained herein will always match actual physical conditions.

Rice Hope consists of two (2) major drainage basins, which are identified in this study as the Black Creek and Knoxboro Creek drainage basins. The existing Chatham County Light Detection and Ranging (LIDAR) data along with the 10-meter Digital Elevation Model (DEM) was used to create a composite DEM for all of the drainage basins associated with Rice Hope. The composite DEM was used to create the hydrologic and hydraulic models for the basins within, and adjacent to Rice Hope. The existing wetlands system, in conjunction with a series of interconnected lagoon systems, within Rice Hope will serve as the means of conveyance for pre and post development conditions. The *Advanced Interconnected Channel and Pond Routing* (*AdICPR*) computer program was used to perform the hydrologic and hydraulic analysis within the basins.

The pre and post development conditions for the 2 year, 10 year, 25 year, 50 year, and 100 year storm events were analyzed by performing a hydrodynamic backwater analysis using a static water surface elevation of 6.18 feet (NAVD 1988) (mean annual higher high water elevation) at the outfall points. The outfall points, or boundary nodes as they are referred to, were established to be the confluence of the Black Creek Canal and Knoxboro Creek with the Savannah River. The source of the mean annual higher high water elevation was taken from documentation contained by the National Oceanic and Atmospheric Administration/National Ocean Service. Mean higher high water elevations measured at the Ft. Pulaski and Port Wentworth gauging stations were correlated to the mean annual higher high water elevation at each station. It should be noted as a comparison that the City of Savannah requires stormwater models produced within their jurisdiction assume a static water surface elevation of 6.0 feet (NAVD 1988), as a boundary condition. It is assumed that the wetland systems were unobstructed by timber roads with small pipes and bridges.

Results from the pre-development model were used to facilitate the design of the post development model, which may be used as a design tool for proposed development within Rice Hope Plantation. Post development flow rates were attenuated to pre-development rates, as shown in Table 5.

Introduction

Rice Hope Plantation (see **Exhibit 1** for location) consists of approximately 1,340 acres of undeveloped land situated between Interstate 95, and GA Highway 21. It was determined that a comprehensive stormwater management plan study should be performed in order to analyze the existing and proposed conditions for Rice Hope. The objective was to determine the existing design tailwater conditions for the 2 year, 10 year, 25 year, 50 year, and 100 year 24 hour storm events and to use this information to develop a suggested post development drainage system. Rice Hope will be developed in phases over a 10-20 year period. The property will essentially be divided into separate development tracts and could be built by a number of different entities. The emphasis of this report is that is should serve as a design tool for each tract as it is constructed with their associated drainage systems and to ensure that they do not impede flows generated from upstream properties, or generate any additional flow that would affect downstream property owners.

Description of Study Area

Rice Hope Plantation consists of two (2) major drainage basins identified in this study as Black Creek, and Knoxboro Creek. These major drainage basins are not inclusive of Rice Hope. If portions of the drainage basins are not located in Chatham County where ALTM data is available, the 10-meter Digital Elevation Models (DEM's) were used to determine watershed boundaries.

The existing conditions in the study area consist mostly of land that has been managed as a timber forest for the most part of the last century. A portion of the tract has been timbered in the last five years and the majority of the mature forest resides in the major wetland systems. Elevations on the tract range from approximately 3 feet (NAVD 1988) to 25 feet (NAVD 1988). The existing soil types consist mostly of hydrologic soil type D with some type C soils in the higher areas. **Exhibit 5** shows the soils information used for the drainage study.

The existing drainage system is predominantly the natural wetland systems that exist within Rice Hope Plantation. The wetland systems act as a means of conveyance for removing stormwater from the property to the outfall points. There is one existing feature that impedes the natural flow of the central wetland system on the tract. This is the existence of a SEPCO utility easement that prohibits the natural flow of the system. It is the developer's intention as part of a wetland enhancement/mitigation plan to restore

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Hydrology Report (2510 : Subdivision Application

the natural flow of this wetland system by installing culverts within the SEPCO easement.

Procedures

The general procedures used in preparation of this report are outlined below:

1. Topographic survey completed using ALTM data. The ALTM data was merged with the 10-meter DEM's to produce a composite DEM. The composite DEM was used to generate cross sections and to delineate the drainage basins.

2. Estimated hydrologic parameters including soil conditions, time of concentration, and curve number for existing land uses within each basin were determined.

3. The boundary condition for the hydraulic analysis was assumed to be 6.18 feet (NAVD 1988) which is the calculated mean annual higher high water elevation at a NOAA gauging station in the Savannah River near Port Wentworth.

4. Prepare hydrologic and hydraulic model of pre-development conditions using the information gathered from previous steps.

5. Use pre-development conditions model along with proposed development plan to design suggested proposed drainage system to be used within proposed development.

6. Prepare hydrologic and hydraulic model of proposed drainage system using information from previous steps.

7. Prepare exhibits and report for the existing and proposed conditions on Rice Hope Plantation.

Conclusions

The report may be used as a tool for development of the property to ensure that stormwater leaving specific sites is addressed properly. The report may serve as the guide for the construction of the proposed drainage systems and/or the determination of allowable post development flow rates and design tailwater conditions.

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Hydrology Report (2510 : Subdivision Application

The allowable post-development flow rates for each sub-watershed can be seen in **Table 1** and **Table 2**. The tailwater conditions for each node location and each storm event can be determined in **Table 3** and **Table 4**. The pre-development versus post development flow rates using the proposed system can be seen in **Table 5**.

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Hydrology Report (2510 : Subdivision Application

Pre-Development
Node Maximum Conditions

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Hydrology Report (2510 : Subdivision Application

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
BCM-0	10 YEAR	6.180	5.000	0.0000	125000	800.259	0.000
BCM-105	10 YEAR	7.989	10.000	0.0002	1486562	704.652	677.665
BCM-115	10 YEAR	8.005	10.000	0.0002	1429716	732.162	704.652
BCM-125	10 YEAR	8.033	10.000	0.0003	1278244	759.167	732.162
BCM-135	10 YEAR	8.057	10.000	0.0003	1332431	785.667	757.497
BCM-146	10 YEAR	8.070	10.000	0.0003	757879	806.532	785.667
BCM-148	10 YEAR	8.351	10.000	0.0107	111107	2522.415	806.532
BCM-149	10 YEAR	8.361	10.000	-0.0107	109179	807.705	2522.415
BCM-15	10 YEAR	6.585	7.000	0.0001	745727	602.555	603.163
BCM-151	10 YEAR	8.907	10.000	0.0005	107653	811.577	808.158
BCM-151-2	10 YEAR	8.900	10.000	-0.0008	102272	808.158	807.705
BCM-155	10 YEAR	10.218	10.000	0.0004	402161	833.699	811.577
BCM-160	10 YEAR	10.223	11.600	0.0004	759273	885.544	833.699
BCM-165	10 YEAR	10.233	11.000	0.0004	1030060	956.716	885.544
BCM-175	10 YEAR	10.288	12.000	0.0009	1278577	1046.561	956.716
BCM-185	10 YEAR	10.324	12.000	0.0007	1270347	1131.567	1042.801
BCM-195	10 YEAR	10.343	13.000	0.0007	1212723	1215.928	1129.390
BCM-205	10 YEAR	10.391	9.000	0.0008	1533602	1325.155	1214.740
BCM-215	10 YEAR	10.457	11.400	0.0009	818597	1372.797	1314.814
BCM-217	10 YEAR	10.468	12.000	0.0009	616259	1321.751	1310.934
BCM-225	10 YEAR	10.555	12.600	-0.0014	449076	1316.914	1285.013
BCM-231	10 YEAR	10.919	11.000	-0.0055	220866	1325.976	1311.303
BCM-25	10 YEAR	6.835	5.000	0.0001	665110	602.565	602.555
BCM-40	10 YEAR	7.155	7.000	0.0002	619801	603.239	602.565
BCM-5	10 YEAR	6.340	5.000	0.0000	648018	800.292	800.259
BCM-50	10 YEAR	7.320	6.000	0.0002	493082	604.402	603.239
BCM-60	10 YEAR	7.468	7.000	0.0002	469803	606.148	604.402
BCM-70	10 YEAR	7.775	8.000	0.0002	310266	607.369	606.148
BCM-75	10 YEAR	7.886	6.000	0.0002	736051	619.582	607.369
BCM-85	10 YEAR	7.946	6.000	0.0002	886988	660.527	646.342
BCM-95	10 YEAR	7.974	6.000	0.0002	1014275	677.665	660.527
BCM-OS1	10 YEAR	11.009	20.000	-0.0280	40639	1328.072	1325.449
BCM-OS2	10 YEAR	6.180	20.000	0.0000	436	0.000	0.000
BCT1-10	10 YEAR	6.528	6.000	0.0001	521448	390.492	388.846
BCT1-100	10 YEAR	7.352	9.000	0.0004	524462	75.066	85.594
BCT1-110	10 YEAR	7.370	8.000	-0.0005	235717	71.835	75.066
BCT1-115	10 YEAR	11.663	12.000	0.0006	116911	125.142	71.835
BCT1-120	10 YEAR	11.667	16.000	0.0013	212981	281.722	125.142
BCT1-125	10 YEAR	11.705	19.000	-0.0037	89509	84.128	281.722
BCT1-130	10 YEAR	13.232	18.000	0.0004	85509	84.027	84.128
BCT1-135	10 YEAR	14.192	20.000	-0.0098	34081	84.033	84.027
BCT1-140	10 YEAR	15.271	17.000	0.0028	590128	135.549	84.033
BCT1-150	10 YEAR	15.282	16.000	0.0007	866102	197.696	87.757
BCT1-160	10 YEAR	15.298	17.000	0.0005	501450	126.466	92.391
BCT1-165	10 YEAR	15.298	17.000	0.0011	274128	0.000	8.423
BCT1-20	10 YEAR	6.840	6.000	0.0002	810954	395.225	390.492
BCT1-30	10 YEAR	6.983	7.000	0.0002	956131	410.108	395.225
BCT1-40	10 YEAR	7.065	7.000	0.0003	902613	436.997	410.108
BCT1-50	10 YEAR	7.189	9.000	0.0004	954177	468.446	436.997
BCT1-60	10 YEAR	7.282	9.000	0.0005	750699	516.961	468.446
BCT1-70	10 YEAR	7.342	12.000	0.0006	757157	610.712	516.961
BCT1-80	10 YEAR	7.344	9.000	0.0005	650455	102.776	117.249
BCT1-90	10 YEAR	7.346	8.000	0.0004	817016	85.594	102.776
BCT2-10	10 YEAR	7.886	8.000	0.0003	523238	311.520	281.275
BCT2-20	10 YEAR	7.886	6.000	0.0003	512572	343.523	311.520
BCT2-30	10 YEAR	7.886	8.000	0.0004	394442	368.731	343.523
BCT2-40	10 YEAR	7.886	9.000	0.0005	427517	395.382	368.731
BCT2-50	10 YEAR	7.886	7.000	0.0007	471619	444.827	395.382
BCT2-60	10 YEAR	7.886	8.000	0.0009	202783	464.458	444.827
BCT3-10	10 YEAR	14.904	16.000	0.0006	214606	92.952	96.976
BCT3-15	10 YEAR	15.862	17.000	0.0010	2867675	347.857	92.952
BCT3-5	10 YEAR	14.053	16.000	0.0005	325852	96.976	93.502
BCT4-5	10 YEAR	13.593	16.000	0.0008	400383	105.273	55.994

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Hydrology Report (2510 : Subdivision Application

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
KCM-0	10 YEAR	6.180	5.000	0.0000	247500	998.292	0.000
KCM-10	10 YEAR	6.330	5.000	0.0001	495113	998.365	998.292
KCM-130	10 YEAR	7.560	9.000	0.0005	2036822	463.478	407.515
KCM-135	10 YEAR	7.738	9.000	0.0006	169260	474.355	463.478
KCM-139	10 YEAR	7.776	7.000	0.0007	319209	499.933	474.355
KCM-145	10 YEAR	7.787	8.000	0.0007	340124	276.660	269.759
KCM-150	10 YEAR	7.794	8.000	0.0007	366490	291.909	276.660
KCM-155	10 YEAR	7.799	9.000	0.0007	331533	258.927	243.914
KCM-160	10 YEAR	7.819	7.000	0.0007	240871	283.535	258.927
KCM-165	10 YEAR	7.999	10.000	0.0004	109919	125.645	123.018
KCM-170	10 YEAR	9.178	10.000	0.0009	176363	128.345	125.645
KCM-175	10 YEAR	9.306	9.000	0.0011	242960	144.253	128.345
KCM-180	10 YEAR	9.359	10.000	0.0011	300568	120.248	98.956
KCM-185	10 YEAR	9.487	10.000	0.0007	337206	156.263	120.248
KCM-193	10 YEAR	9.562	11.000	0.0007	231999	48.114	30.917
KCM-20	10 YEAR	6.521	6.000	0.0001	495113	994.624	994.196
KCM-30	10 YEAR	6.850	6.000	0.0003	495113	996.180	994.624
KCM-40	10 YEAR	7.018	5.000	0.0004	495113	1000.196	996.180
KCM-50	10 YEAR	7.107	5.000	-0.0005	346613	823.106	824.280
KCM-54	10 YEAR	7.146	5.000	0.0042	198026	823.133	823.106
KCM-56	10 YEAR	7.150	5.000	-0.0040	198029	823.747	823.133
KCM-60	10 YEAR	7.187	5.000	0.0004	1892955	962.980	823.747
KCT1-10	10 YEAR	8.569	10.000	0.0014	62805	156.878	154.035
KCT1-14	10 YEAR	9.017	10.000	-0.0011	28867	78.876	78.864
KCT1-15	10 YEAR	12.042	11.000	0.0012	117302	90.995	78.876
KCT1-20	10 YEAR	12.044	11.000	0.0010	201676	129.324	90.995
KCT1-25	10 YEAR	12.050	12.000	0.0015	179574	167.400	129.324
KCT1-30	10 YEAR	13.006	14.000	0.0009	158507	114.492	153.400
KCT1-35	10 YEAR	15.172	17.000	0.0005	185896	117.700	114.492
KCT1-40	10 YEAR	15.627	17.000	0.0004	570663	129.515	117.700
KCT1-5	10 YEAR	8.217	9.000	0.0012	78128	166.117	161.974
KCT1-50	10 YEAR	16.025	16.000	0.0008	843964	222.040	129.515
KCT1-60	10 YEAR	16.025	18.000	0.0007	409190	0.000	12.073
LAGOON 1	10 YEAR	14.882	20.000	0.0004	1190059	152.769	0.000
BCM-0	100 YEAR	6.180	5.000	0.0000	125000	1386.848	0.000
BCM-105	100 YEAR	9.163	10.000	0.0004	1517269	1314.218	1269.369
BCM-115	100 YEAR	9.183	10.000	0.0004	1476359	1360.649	1314.218
BCM-125	100 YEAR	9.217	10.000	0.0005	1323337	1418.318	1360.649
BCM-135	100 YEAR	9.249	10.000	0.0005	1409136	1450.361	1402.982
BCM-146	100 YEAR	9.269	10.000	0.0005	810570	1496.976	1450.361
BCM-148	100 YEAR	9.576	10.000	0.0046	115998	411.962	1496.976
BCM-149	100 YEAR	9.571	10.000	-0.0049	114337	1490.368	411.962
BCM-15	100 YEAR	7.121	7.000	0.0002	768540	1133.658	1134.496
BCM-151	100 YEAR	10.262	10.000	0.0006	116070	1493.934	1486.366
BCM-151-2	100 YEAR	10.256	10.000	-0.0007	110323	1486.366	1490.368
BCM-155	100 YEAR	11.899	10.000	0.0007	408762	1523.939	1493.934
BCM-160	100 YEAR	11.904	11.600	0.0007	795928	1591.530	1523.939
BCM-165	100 YEAR	11.914	11.000	0.0007	1088967	1684.593	1591.530
BCM-175	100 YEAR	11.956	12.000	0.0010	1494282	1819.178	1684.593
BCM-185	100 YEAR	11.992	12.000	0.0010	1351769	1932.165	1811.660
BCM-195	100 YEAR	12.015	13.000	0.0009	1324866	2047.943	1928.100
BCM-205	100 YEAR	12.055	9.000	0.0010	1714810	2202.283	2046.126
BCM-215	100 YEAR	12.102	11.400	0.0010	863562	2259.314	2181.549
BCM-217	100 YEAR	12.111	12.000	0.0010	653952	2173.826	2163.614
BCM-225	100 YEAR	12.187	12.600	-0.0013	488308	2156.667	2112.730
BCM-231	100 YEAR	12.436	11.000	-0.0079	228164	2168.365	2148.262
BCM-25	100 YEAR	7.549	5.000	0.0003	668913	1134.127	1133.658
BCM-40	100 YEAR	8.053	7.000	0.0004	619801	1135.859	1134.127
BCM-5	100 YEAR	6.596	5.000	0.0001	660785	1386.956	1386.848
BCM-50	100 YEAR	8.298	6.000	0.0003	494920	1138.561	1135.859
BCM-60	100 YEAR	8.519	7.000	0.0003	480833	1142.459	1138.561
BCM-70	100 YEAR	8.873	8.000	0.0003	312107	1145.244	1142.459
BCM-75	100 YEAR	9.014	6.000	0.0003	736051	1164.179	1145.244

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Hydrology Report (2510 : Subdivision Application

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
BCM-85	100 YEAR	9.099	6.000	0.0003	886988	1241.418	1218.101
BCM-95	100 YEAR	9.140	6.000	0.0004	1018349	1269.369	1241.418
BCM-OS1	100 YEAR	12.488	20.000	-0.0295	41193	2171.195	2167.591
BCM-OS2	100 YEAR	6.180	20.000	0.0000	436	0.000	0.000
BCT1-10	100 YEAR	6.948	6.000	0.0001	535966	684.434	679.532
BCT1-100	100 YEAR	7.982	9.000	0.0005	711135	111.581	131.503
BCT1-110	100 YEAR	7.988	8.000	0.0006	278105	104.104	111.581
BCT1-115	100 YEAR	12.796	12.000	0.0009	124890	135.095	104.104
BCT1-120	100 YEAR	12.798	16.000	0.0011	250224	313.922	135.095
BCT1-125	100 YEAR	12.805	19.000	-0.0027	116762	128.615	313.922
BCT1-130	100 YEAR	13.482	18.000	0.0004	94695	126.767	128.615
BCT1-135	100 YEAR	14.507	20.000	-0.0098	36266	126.982	126.767
BCT1-140	100 YEAR	15.972	17.000	0.0028	722622	216.352	126.982
BCT1-150	100 YEAR	15.978	16.000	0.0008	977836	326.557	134.053
BCT1-160	100 YEAR	15.986	17.000	0.0006	673906	214.511	129.838
BCT1-165	100 YEAR	15.986	17.000	0.0009	329091	0.000	12.015
BCT1-20	100 YEAR	7.326	6.000	0.0003	815686	693.547	684.434
BCT1-30	100 YEAR	7.488	7.000	0.0004	956363	716.145	693.547
BCT1-40	100 YEAR	7.594	7.000	0.0004	909620	757.823	716.145
BCT1-50	100 YEAR	7.747	9.000	0.0006	996965	811.952	757.823
BCT1-60	100 YEAR	7.881	9.000	0.0007	770913	871.354	811.952
BCT1-70	100 YEAR	7.975	12.000	0.0008	822367	1002.180	871.354
BCT1-80	100 YEAR	7.976	9.000	0.0007	775137	161.720	187.161
BCT1-90	100 YEAR	7.979	8.000	0.0006	945425	131.503	161.720
BCT2-10	100 YEAR	9.014	8.000	0.0004	523238	537.009	482.076
BCT2-20	100 YEAR	9.014	6.000	0.0004	513379	592.706	537.009
BCT2-30	100 YEAR	9.014	8.000	0.0005	407834	639.580	592.706
BCT2-40	100 YEAR	9.014	9.000	0.0007	479629	689.105	639.580
BCT2-50	100 YEAR	9.014	7.000	0.0010	484708	761.806	689.105
BCT2-60	100 YEAR	9.014	8.000	0.0012	216397	797.807	761.806
BCT3-10	100 YEAR	15.149	16.000	0.0007	230620	204.262	204.646
BCT3-15	100 YEAR	16.169	17.000	0.0007	3297344	559.525	204.262
BCT3-5	100 YEAR	14.374	16.000	0.0006	361623	204.646	203.788
BCT4-5	100 YEAR	13.801	16.000	0.0007	445353	166.283	115.411
KCM-0	100 YEAR	6.180	5.000	0.0000	247500	1651.790	0.000
KCM-10	100 YEAR	6.556	5.000	0.0001	495113	1652.076	1651.790
KCM-130	100 YEAR	8.512	9.000	0.0008	2183838	827.904	671.533
KCM-135	100 YEAR	8.646	9.000	0.0010	207885	852.287	827.904
KCM-139	100 YEAR	8.689	7.000	0.0011	326454	894.418	852.287
KCM-145	100 YEAR	8.701	8.000	0.0011	347451	463.931	441.454
KCM-150	100 YEAR	8.708	8.000	0.0011	371485	537.668	463.931
KCM-155	100 YEAR	8.714	9.000	0.0011	336783	501.977	404.868
KCM-160	100 YEAR	8.730	7.000	0.0016	252573	711.233	501.977
KCM-165	100 YEAR	8.747	10.000	-0.0027	154533	226.935	438.412
KCM-170	100 YEAR	9.563	10.000	0.0009	206075	229.422	226.935
KCM-175	100 YEAR	9.719	9.000	0.0009	257495	244.829	229.422
KCM-180	100 YEAR	9.776	10.000	0.0010	333736	183.739	171.725
KCM-185	100 YEAR	9.886	10.000	0.0009	394289	239.928	183.739
KCM-193	100 YEAR	9.919	11.000	0.0005	341668	80.000	44.666
KCM-20	100 YEAR	6.958	6.000	0.0003	495113	1646.953	1645.650
KCM-30	100 YEAR	7.517	6.000	0.0005	495113	1650.466	1646.953
KCM-40	100 YEAR	7.794	5.000	0.0006	495113	1658.518	1650.466
KCM-50	100 YEAR	7.934	5.000	0.0007	346613	1365.297	1366.381
KCM-54	100 YEAR	7.991	5.000	-0.0021	199410	1366.033	1365.297
KCM-56	100 YEAR	7.998	5.000	0.0019	199419	1367.935	1366.033
KCM-60	100 YEAR	8.053	5.000	0.0007	1942528	1614.700	1367.935
KCT1-10	100 YEAR	9.288	10.000	0.0018	80526	270.096	265.609
KCT1-14	100 YEAR	9.465	10.000	0.0014	37652	112.439	113.083
KCT1-15	100 YEAR	14.184	11.000	0.0013	117301	134.367	112.439
KCT1-20	100 YEAR	14.184	11.000	0.0013	201676	223.306	134.367
KCT1-25	100 YEAR	14.186	12.000	0.0012	196763	301.561	223.306
KCT1-30	100 YEAR	14.191	14.000	0.0008	191804	241.279	246.793
KCT1-35	100 YEAR	15.574	17.000	0.0007	251348	223.450	241.279

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Hydrology Report (2510 : Subdivision Application

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
KCT1-40	100 YEAR	15.983	17.000	0.0006	704211	258.283	223.450
KCT1-5	100 YEAR	8.988	9.000	0.0012	88108	287.441	279.628
KCT1-50	100 YEAR	16.383	16.000	0.0007	927573	358.118	258.283
KCT1-60	100 YEAR	16.383	18.000	0.0009	440552	0.000	19.813
LAGOON 1	100 YEAR	15.502	20.000	0.0006	1190059	260.986	0.000
BCM-0	2 YEAR	6.180	5.000	0.0000	125000	415.793	0.000
BCM-105	2 YEAR	7.082	10.000	0.0001	1411192	348.302	334.918
BCM-115	2 YEAR	7.092	10.000	0.0001	1367174	361.950	348.302
BCM-125	2 YEAR	7.117	10.000	0.0002	1241787	374.640	361.950
BCM-135	2 YEAR	7.135	10.000	0.0002	1267802	388.560	374.640
BCM-146	2 YEAR	7.142	10.000	0.0002	728241	397.982	388.560
BCM-148	2 YEAR	7.434	10.000	-0.0097	91050	1506.057	397.982
BCM-149	2 YEAR	7.445	10.000	0.0098	89029	399.101	1506.057
BCM-15	2 YEAR	6.303	7.000	0.0000	730638	298.976	299.300
BCM-151	2 YEAR	7.774	10.000	0.0005	96789	401.014	399.887
BCM-151-2	2 YEAR	7.765	10.000	-0.0008	91905	399.887	399.101
BCM-155	2 YEAR	8.619	10.000	0.0003	361992	413.360	401.014
BCM-160	2 YEAR	8.625	11.600	0.0003	636393	443.378	413.360
BCM-165	2 YEAR	8.636	11.000	0.0003	867132	485.247	443.378
BCM-175	2 YEAR	8.731	12.000	0.0007	880963	524.735	485.247
BCM-185	2 YEAR	8.775	12.000	0.0005	1164046	579.230	524.728
BCM-195	2 YEAR	8.793	13.000	0.0005	1096864	632.644	578.813
BCM-205	2 YEAR	8.849	9.000	0.0005	1234454	693.982	631.959
BCM-215	2 YEAR	8.948	11.400	0.0006	728810	723.116	687.793
BCM-217	2 YEAR	8.963	12.000	0.0006	561306	694.762	687.318
BCM-225	2 YEAR	9.082	12.600	-0.0008	402202	695.778	676.244
BCM-231	2 YEAR	9.682	11.000	-0.0051	192841	701.279	692.452
BCM-25	2 YEAR	6.406	5.000	0.0001	659931	298.821	298.976
BCM-40	2 YEAR	6.559	7.000	0.0001	606482	298.925	298.821
BCM-5	2 YEAR	6.226	5.000	-0.0000	642637	415.797	415.793
BCM-50	2 YEAR	6.651	6.000	0.0001	488185	299.285	298.925
BCM-60	2 YEAR	6.731	7.000	0.0001	447852	299.889	299.285
BCM-70	2 YEAR	6.942	8.000	0.0001	292640	300.362	299.889
BCM-75	2 YEAR	7.018	6.000	0.0001	732406	306.907	300.362
BCM-85	2 YEAR	7.055	6.000	0.0001	886988	326.029	318.588
BCM-95	2 YEAR	7.073	6.000	0.0001	1003048	334.918	326.029
BCM-OS1	2 YEAR	9.814	20.000	-0.0183	35943	702.529	700.947
BCM-OS2	2 YEAR	6.180	20.000	0.0000	436	0.000	0.000
BCT1-10	2 YEAR	6.286	6.000	0.0000	503528	194.882	194.624
BCT1-100	2 YEAR	6.797	9.000	0.0002	428836	44.500	49.188
BCT1-110	2 YEAR	6.907	8.000	0.0002	184066	43.817	44.500
BCT1-115	2 YEAR	10.654	12.000	0.0006	97065	44.552	43.817
BCT1-120	2 YEAR	10.660	16.000	0.0007	163288	59.916	44.552
BCT1-125	2 YEAR	11.335	19.000	0.0005	63737	50.890	59.916
BCT1-130	2 YEAR	12.960	18.000	0.0005	74072	50.946	50.890
BCT1-135	2 YEAR	13.920	20.000	-0.0098	31067	50.928	50.946
BCT1-140	2 YEAR	14.617	17.000	0.0028	435582	72.503	50.928
BCT1-150	2 YEAR	14.639	16.000	0.0007	676568	107.664	51.050
BCT1-160	2 YEAR	14.742	17.000	-0.0005	239106	59.555	51.357
BCT1-165	2 YEAR	14.686	17.000	0.0011	213384	0.000	5.418
BCT1-20	2 YEAR	6.442	6.000	0.0001	796484	196.123	194.882
BCT1-30	2 YEAR	6.546	7.000	0.0001	938453	201.045	196.123
BCT1-40	2 YEAR	6.606	7.000	0.0001	893052	213.047	201.045
BCT1-50	2 YEAR	6.705	9.000	0.0002	917047	231.943	213.047
BCT1-60	2 YEAR	6.757	9.000	0.0003	735385	258.475	231.943
BCT1-70	2 YEAR	6.786	12.000	0.0003	714361	305.311	258.475
BCT1-80	2 YEAR	6.787	9.000	0.0003	557500	57.561	64.606
BCT1-90	2 YEAR	6.790	8.000	0.0002	684722	49.188	57.561
BCT2-10	2 YEAR	7.018	8.000	0.0001	511043	146.986	133.441
BCT2-20	2 YEAR	7.018	6.000	0.0001	505969	162.402	146.986
BCT2-30	2 YEAR	7.018	8.000	0.0002	351595	174.323	162.402
BCT2-40	2 YEAR	7.018	9.000	0.0002	329852	186.698	174.323
BCT2-50	2 YEAR	7.018	7.000	0.0003	444629	210.391	186.698

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Hydrology Report (2510 : Subdivision Application

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
BCT2-60	2 YEAR	7.018	8.000	0.0006	177634	221.361	210.391
BCT3-10	2 YEAR	14.565	16.000	0.0003	152699	29.525	31.193
BCT3-15	2 YEAR	15.520	17.000	0.0010	2091787	185.317	29.525
BCT3-5	2 YEAR	13.725	16.000	0.0002	242158	31.193	29.817
BCT4-5	2 YEAR	13.325	16.000	0.0010	334666	57.768	20.317
KCM-0	2 YEAR	6.180	5.000	0.0000	247500	535.566	0.000
KCM-10	2 YEAR	6.225	5.000	-0.0001	495113	535.579	535.566
KCM-130	2 YEAR	6.765	9.000	0.0002	1697764	217.925	214.104
KCM-135	2 YEAR	6.924	9.000	0.0004	137010	220.941	217.925
KCM-139	2 YEAR	6.954	7.000	0.0004	307332	230.877	220.941
KCM-145	2 YEAR	6.961	8.000	0.0004	310199	132.539	135.165
KCM-150	2 YEAR	6.965	8.000	0.0004	347731	135.269	132.539
KCM-155	2 YEAR	6.968	9.000	0.0004	320434	118.922	116.230
KCM-160	2 YEAR	6.985	7.000	0.0004	210646	128.511	118.922
KCM-165	2 YEAR	7.719	10.000	0.0003	77453	55.592	55.518
KCM-170	2 YEAR	8.772	10.000	0.0008	147303	57.196	55.592
KCM-175	2 YEAR	8.860	9.000	0.0009	209860	71.929	57.196
KCM-180	2 YEAR	8.901	10.000	0.0010	224282	68.100	49.787
KCM-185	2 YEAR	9.132	10.000	0.0007	272322	78.251	68.100
KCM-193	2 YEAR	9.335	11.000	0.0006	144487	24.141	17.399
KCM-20	2 YEAR	6.288	6.000	0.0001	495113	533.105	533.030
KCM-30	2 YEAR	6.423	6.000	0.0001	495113	533.584	533.105
KCM-40	2 YEAR	6.497	5.000	0.0002	495113	535.011	533.584
KCM-50	2 YEAR	6.537	5.000	-0.0005	346613	439.390	440.317
KCM-54	2 YEAR	6.555	5.000	-0.0020	197336	439.133	439.390
KCM-56	2 YEAR	6.557	5.000	0.0020	197337	439.096	439.133
KCM-60	2 YEAR	6.575	5.000	0.0002	1788469	500.826	439.096
KCT1-10	2 YEAR	7.757	10.000	0.0012	49352	82.164	72.798
KCT1-14	2 YEAR	8.850	10.000	-0.0007	25086	42.222	41.901
KCT1-15	2 YEAR	10.548	11.000	0.0012	108601	43.746	42.222
KCT1-20	2 YEAR	10.554	11.000	0.0008	171820	52.383	43.746
KCT1-25	2 YEAR	10.589	12.000	0.0012	97298	57.693	52.383
KCT1-30	2 YEAR	12.791	14.000	0.0007	114503	46.351	47.274
KCT1-35	2 YEAR	14.706	17.000	0.0005	140207	46.548	46.351
KCT1-40	2 YEAR	15.311	17.000	0.0005	457590	51.344	46.548
KCT1-5	2 YEAR	7.471	9.000	0.0015	57953	78.893	78.030
KCT1-50	2 YEAR	15.678	16.000	0.0007	669097	116.647	51.344
KCT1-60	2 YEAR	15.669	18.000	0.0007	351855	0.000	5.632
LAGOON 1	2 YEAR	14.435	20.000	0.0002	1190059	72.882	0.000
BCM-0	25 YEAR	6.180	5.000	0.0000	125000	971.060	0.000
BCM-105	25 YEAR	8.359	10.000	0.0003	1496883	882.857	849.479
BCM-115	25 YEAR	8.377	10.000	0.0003	1446407	916.981	882.857
BCM-125	25 YEAR	8.407	10.000	0.0004	1291575	953.718	916.981
BCM-135	25 YEAR	8.434	10.000	0.0004	1358779	983.612	948.483
BCM-146	25 YEAR	8.449	10.000	0.0004	779358	1009.414	983.612
BCM-148	25 YEAR	8.742	10.000	-0.0097	112819	1264.621	1009.414
BCM-149	25 YEAR	8.741	10.000	0.0098	110871	1011.443	1264.621
BCM-15	25 YEAR	6.743	7.000	0.0001	754223	755.182	755.841
BCM-151	25 YEAR	9.344	10.000	0.0005	110837	1016.280	1012.358
BCM-151-2	25 YEAR	9.337	10.000	-0.0008	105295	1012.358	1011.443
BCM-155	25 YEAR	10.780	10.000	0.0005	404431	1040.733	1016.280
BCM-160	25 YEAR	10.785	11.600	0.0005	772163	1097.537	1040.733
BCM-165	25 YEAR	10.795	11.000	0.0005	1049302	1175.589	1097.537
BCM-175	25 YEAR	10.843	12.000	0.0010	1334975	1278.504	1175.589
BCM-185	25 YEAR	10.879	12.000	0.0009	1295068	1372.895	1273.685
BCM-195	25 YEAR	10.900	13.000	0.0007	1250127	1467.831	1370.180
BCM-205	25 YEAR	10.945	9.000	0.0008	1603141	1592.836	1466.446
BCM-215	25 YEAR	11.005	11.400	0.0008	840567	1646.593	1580.862
BCM-217	25 YEAR	11.016	12.000	0.0008	641962	1586.560	1574.342
BCM-225	25 YEAR	11.098	12.600	-0.0012	462470	1575.088	1538.666
BCM-231	25 YEAR	11.415	11.000	-0.0057	225053	1585.813	1568.572
BCM-25	25 YEAR	7.055	5.000	0.0002	666527	755.372	755.182
BCM-40	25 YEAR	7.433	7.000	0.0003	619801	756.420	755.372

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Hydrology Report (2510 : Subdivision Application

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
BCM-5	25 YEAR	6.406	5.000	0.0000	649921	971.111	971.060
BCM-50	25 YEAR	7.623	6.000	0.0002	493766	758.100	756.420
BCM-60	25 YEAR	7.794	7.000	0.0002	473907	760.514	758.100
BCM-70	25 YEAR	8.114	8.000	0.0002	310952	762.130	760.514
BCM-75	25 YEAR	8.238	6.000	0.0003	736051	776.053	762.130
BCM-85	25 YEAR	8.310	6.000	0.0003	886988	828.534	811.252
BCM-95	25 YEAR	8.342	6.000	0.0003	1015606	849.479	828.534
BCM-OS1	25 YEAR	11.492	20.000	-0.0310	41188	1588.276	1585.209
BCM-OS2	25 YEAR	6.180	20.000	0.0000	436	0.000	0.000
BCT1-10	25 YEAR	6.654	6.000	0.0001	527433	479.320	476.690
BCT1-100	25 YEAR	7.560	9.000	0.0005	596059	86.364	99.651
BCT1-110	25 YEAR	7.572	8.000	-0.0005	258350	81.983	86.364
BCT1-115	25 YEAR	12.017	12.000	0.0008	121772	130.248	81.983
BCT1-120	25 YEAR	12.020	16.000	0.0012	229240	295.063	130.248
BCT1-125	25 YEAR	12.029	19.000	-0.0030	99375	98.023	295.063
BCT1-130	25 YEAR	13.319	18.000	0.0004	88814	97.426	98.023
BCT1-135	25 YEAR	14.288	20.000	-0.0098	34856	97.464	97.426
BCT1-140	25 YEAR	15.501	17.000	0.0028	644698	161.306	97.464
BCT1-150	25 YEAR	15.510	16.000	0.0007	905129	241.793	102.917
BCT1-160	25 YEAR	15.522	17.000	0.0006	558215	155.951	106.339
BCT1-165	25 YEAR	15.522	17.000	0.0011	294417	0.000	9.481
BCT1-20	25 YEAR	6.999	6.000	0.0002	813768	484.892	479.320
BCT1-30	25 YEAR	7.149	7.000	0.0003	956363	500.306	484.892
BCT1-40	25 YEAR	7.238	7.000	0.0003	904970	534.245	500.306
BCT1-50	25 YEAR	7.371	9.000	0.0005	968463	574.172	534.245
BCT1-60	25 YEAR	7.479	9.000	0.0005	758098	624.875	574.172
BCT1-70	25 YEAR	7.551	12.000	0.0006	785674	732.218	624.875
BCT1-80	25 YEAR	7.552	9.000	0.0006	702326	120.381	138.059
BCT1-90	25 YEAR	7.555	8.000	0.0005	869452	99.651	120.381
BCT2-10	25 YEAR	8.238	8.000	0.0003	523238	378.094	340.523
BCT2-20	25 YEAR	8.238	6.000	0.0004	512824	416.975	378.094
BCT2-30	25 YEAR	8.238	8.000	0.0005	401757	450.683	416.975
BCT2-40	25 YEAR	8.238	9.000	0.0007	462588	485.358	450.683
BCT2-50	25 YEAR	8.238	7.000	0.0008	479670	541.845	485.358
BCT2-60	25 YEAR	8.238	8.000	0.0010	209526	567.114	541.845
BCT3-10	25 YEAR	14.993	16.000	0.0007	224400	124.220	128.935
BCT3-15	25 YEAR	15.968	17.000	0.0009	3105021	413.928	124.220
BCT3-5	25 YEAR	14.163	16.000	0.0005	352053	128.935	123.066
BCT4-5	25 YEAR	13.668	16.000	0.0008	416766	124.378	76.028
KCM-0	25 YEAR	6.180	5.000	0.0000	247500	1194.905	0.000
KCM-10	25 YEAR	6.390	5.000	0.0001	495113	1195.025	1194.905
KCM-130	25 YEAR	7.867	9.000	0.0006	2126453	568.399	488.352
KCM-135	25 YEAR	8.037	9.000	0.0008	185395	582.976	568.399
KCM-139	25 YEAR	8.079	7.000	0.0008	322407	617.712	582.976
KCM-145	25 YEAR	8.090	8.000	0.0008	344914	362.600	342.200
KCM-150	25 YEAR	8.097	8.000	0.0008	370575	392.234	362.600
KCM-155	25 YEAR	8.103	9.000	0.0008	333631	387.811	344.089
KCM-160	25 YEAR	8.123	7.000	0.0019	244931	573.547	387.811
KCM-165	25 YEAR	8.191	10.000	-0.0033	126524	156.080	396.984
KCM-170	25 YEAR	9.313	10.000	0.0008	187271	158.388	156.080
KCM-175	25 YEAR	9.452	9.000	0.0010	248310	175.487	158.388
KCM-180	25 YEAR	9.505	10.000	0.0010	309850	140.914	120.344
KCM-185	25 YEAR	9.619	10.000	0.0007	355723	185.299	140.914
KCM-193	25 YEAR	9.671	11.000	0.0006	273116	58.020	32.858
KCM-20	25 YEAR	6.643	6.000	0.0002	495113	1190.799	1190.179
KCM-30	25 YEAR	7.049	6.000	0.0004	495113	1192.759	1190.799
KCM-40	25 YEAR	7.253	5.000	0.0005	495113	1197.647	1192.759
KCM-50	25 YEAR	7.359	5.000	-0.0006	346613	986.775	988.037
KCM-54	25 YEAR	7.404	5.000	-0.0021	198328	986.843	986.775
KCM-56	25 YEAR	7.409	5.000	0.0019	198331	987.571	986.843
KCM-60	25 YEAR	7.452	5.000	0.0005	1924918	1163.064	987.571
KCT1-10	25 YEAR	8.831	10.000	0.0016	68938	192.805	189.814
KCT1-14	25 YEAR	9.127	10.000	-0.0011	31127	90.588	90.671

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Hydrology Report (2510 : Subdivision Application

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
KCT1-15	25 YEAR	12.704	11.000	0.0013	117302	110.043	90.588
KCT1-20	25 YEAR	12.706	11.000	0.0011	201676	160.477	110.043
KCT1-25	25 YEAR	12.709	12.000	0.0015	184370	245.232	160.477
KCT1-30	25 YEAR	13.025	14.000	-0.0010	163908	142.767	227.286
KCT1-35	25 YEAR	15.299	17.000	0.0006	199714	149.477	142.767
KCT1-40	25 YEAR	15.740	17.000	0.0005	626446	166.059	149.477
KCT1-5	25 YEAR	8.473	9.000	0.0012	82884	204.455	200.516
KCT1-50	25 YEAR	16.146	16.000	0.0007	878366	263.152	166.059
KCT1-60	25 YEAR	16.146	18.000	0.0007	419061	0.000	14.328
LAGOON 1	25 YEAR	15.072	20.000	0.0004	1190059	186.228	0.000
BCM-0	50 YEAR	6.180	5.000	0.0000	125000	1154.360	0.000
BCM-105	50 YEAR	8.732	10.000	0.0003	1506082	1073.899	1034.200
BCM-115	50 YEAR	8.750	10.000	0.0003	1459431	1114.636	1073.899
BCM-125	50 YEAR	8.783	10.000	0.0004	1304274	1162.148	1114.636
BCM-135	50 YEAR	8.812	10.000	0.0005	1382046	1193.750	1152.128
BCM-146	50 YEAR	8.830	10.000	0.0004	792784	1227.956	1193.750
BCM-148	50 YEAR	9.136	10.000	0.0045	114332	549.073	1227.956
BCM-149	50 YEAR	9.134	10.000	-0.0049	112428	1228.624	549.073
BCM-15	50 YEAR	6.915	7.000	0.0002	763017	919.073	919.763
BCM-151	50 YEAR	9.766	10.000	0.0006	114542	1233.492	1227.225
BCM-151-2	50 YEAR	9.759	10.000	-0.0007	108803	1227.225	1228.624
BCM-155	50 YEAR	11.305	10.000	0.0006	406957	1260.878	1233.492
BCM-160	50 YEAR	11.310	11.600	0.0006	786350	1323.405	1260.878
BCM-165	50 YEAR	11.320	11.000	0.0006	1069770	1409.213	1323.405
BCM-175	50 YEAR	11.365	12.000	0.0010	1415380	1528.050	1409.213
BCM-185	50 YEAR	11.402	12.000	0.0010	1322958	1631.833	1521.516
BCM-195	50 YEAR	11.424	13.000	0.0008	1289862	1736.674	1628.056
BCM-205	50 YEAR	11.467	9.000	0.0009	1692862	1878.905	1735.089
BCM-215	50 YEAR	11.522	11.400	0.0009	862992	1937.658	1865.254
BCM-217	50 YEAR	11.532	12.000	0.0009	634950	1864.591	1842.620
BCM-225	50 YEAR	11.611	12.600	-0.0011	474319	1839.041	1802.297
BCM-231	50 YEAR	11.887	11.000	-0.0067	226491	1849.306	1831.624
BCM-25	50 YEAR	7.284	5.000	0.0002	667993	919.416	919.073
BCM-40	50 YEAR	7.716	7.000	0.0003	619801	920.799	919.416
BCM-5	50 YEAR	6.486	5.000	0.0000	652738	1154.436	1154.360
BCM-50	50 YEAR	7.930	6.000	0.0003	494290	922.997	920.799
BCM-60	50 YEAR	8.124	7.000	0.0003	477055	926.187	922.997
BCM-70	50 YEAR	8.457	8.000	0.0003	311477	928.412	926.187
BCM-75	50 YEAR	8.593	6.000	0.0003	736051	943.957	928.412
BCM-85	50 YEAR	8.675	6.000	0.0003	886988	1009.392	988.898
BCM-95	50 YEAR	8.712	6.000	0.0003	1016849	1034.200	1009.392
BCM-OS1	50 YEAR	11.949	20.000	-0.0324	41193	1851.782	1848.624
BCM-OS2	50 YEAR	6.180	20.000	0.0000	436	0.000	0.000
BCT1-10	50 YEAR	6.784	6.000	0.0001	532304	571.273	567.995
BCT1-100	50 YEAR	7.758	9.000	0.0005	670760	97.865	113.493
BCT1-110	50 YEAR	7.766	8.000	-0.0005	269011	92.206	97.865
BCT1-115	50 YEAR	12.375	12.000	0.0007	123059	132.907	92.206
BCT1-120	50 YEAR	12.377	16.000	0.0012	238055	304.049	132.907
BCT1-125	50 YEAR	12.385	19.000	-0.0026	107293	111.878	304.049
BCT1-130	50 YEAR	13.396	18.000	0.0004	91547	110.864	111.878
BCT1-135	50 YEAR	14.387	20.000	-0.0098	35489	110.862	110.864
BCT1-140	50 YEAR	15.721	17.000	0.0028	685785	185.504	110.862
BCT1-150	50 YEAR	15.728	16.000	0.0007	940571	281.409	116.605
BCT1-160	50 YEAR	15.737	17.000	0.0006	612466	183.197	118.807
BCT1-165	50 YEAR	15.737	17.000	0.0011	311965	0.000	10.546
BCT1-20	50 YEAR	7.149	6.000	0.0003	815156	577.891	571.273
BCT1-30	50 YEAR	7.304	7.000	0.0003	956363	596.283	577.891
BCT1-40	50 YEAR	7.401	7.000	0.0003	907686	632.167	596.283
BCT1-50	50 YEAR	7.544	9.000	0.0005	985180	679.672	632.167
BCT1-60	50 YEAR	7.666	9.000	0.0006	766316	735.281	679.672
BCT1-70	50 YEAR	7.749	12.000	0.0007	814805	854.426	735.281
BCT1-80	50 YEAR	7.751	9.000	0.0006	739616	139.167	160.214
BCT1-90	50 YEAR	7.753	8.000	0.0006	910630	113.493	139.167

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Hydrology Report (2510 : Subdivision Application

Name	Simulation	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Inflow cfs	Max Outflow cfs
BCT2-10	50 YEAR	8.593	8.000	0.0003	523238	449.028	403.538
BCT2-20	50 YEAR	8.593	6.000	0.0004	513078	495.533	449.028
BCT2-30	50 YEAR	8.593	8.000	0.0004	405855	532.953	495.533
BCT2-40	50 YEAR	8.593	9.000	0.0008	478303	574.579	532.953
BCT2-50	50 YEAR	8.593	7.000	0.0009	483209	641.565	574.579
BCT2-60	50 YEAR	8.593	8.000	0.0011	212414	671.366	641.565
BCT3-10	50 YEAR	15.069	16.000	0.0007	226631	158.834	163.445
BCT3-15	50 YEAR	16.061	17.000	0.0007	3220490	480.131	158.834
BCT3-5	50 YEAR	14.262	16.000	0.0005	357796	163.445	159.039
BCT4-5	50 YEAR	13.732	16.000	0.0007	430825	143.459	94.458
KCM-0	50 YEAR	6.180	5.000	0.0000	247500	1399.514	0.000
KCM-10	50 YEAR	6.460	5.000	0.0001	495113	1399.702	1399.514
KCM-130	50 YEAR	8.166	9.000	0.0007	2154597	688.422	571.211
KCM-135	50 YEAR	8.316	9.000	0.0009	192487	706.615	688.422
KCM-139	50 YEAR	8.358	7.000	0.0009	323970	752.542	706.615
KCM-145	50 YEAR	8.369	8.000	0.0009	347451	396.936	381.533
KCM-150	50 YEAR	8.377	8.000	0.0009	371200	476.423	396.936
KCM-155	50 YEAR	8.383	9.000	0.0009	335075	460.315	376.398
KCM-160	50 YEAR	8.400	7.000	0.0014	249216	661.485	460.315
KCM-165	50 YEAR	8.415	10.000	-0.0030	140812	187.895	426.083
KCM-170	50 YEAR	9.427	10.000	0.0008	194644	189.855	187.895
KCM-175	50 YEAR	9.579	9.000	0.0009	253802	207.147	189.855
KCM-180	50 YEAR	9.636	10.000	0.0009	324359	160.991	142.931
KCM-185	50 YEAR	9.745	10.000	0.0008	374949	210.514	160.991
KCM-193	50 YEAR	9.785	11.000	0.0005	316026	67.992	36.834
KCM-20	50 YEAR	6.780	6.000	0.0002	495113	1395.078	1394.155
KCM-30	50 YEAR	7.259	6.000	0.0004	495113	1397.743	1395.078
KCM-40	50 YEAR	7.497	5.000	0.0006	495113	1404.080	1397.743
KCM-50	50 YEAR	7.619	5.000	0.0006	346613	1156.654	1157.778
KCM-54	50 YEAR	7.670	5.000	0.0043	198638	1157.067	1156.654
KCM-56	50 YEAR	7.676	5.000	-0.0042	198642	1158.362	1157.067
KCM-60	50 YEAR	7.725	5.000	0.0006	1933940	1367.010	1158.362
KCT1-10	50 YEAR	9.055	10.000	0.0017	75600	228.045	224.979
KCT1-14	50 YEAR	9.269	10.000	0.0012	34014	102.085	102.388
KCT1-15	50 YEAR	13.443	11.000	0.0013	117301	120.914	102.085
KCT1-20	50 YEAR	13.444	11.000	0.0012	201676	189.787	120.914
KCT1-25	50 YEAR	13.446	12.000	0.0012	194102	260.477	189.787
KCT1-30	50 YEAR	13.460	14.000	0.0008	174351	171.361	227.296
KCT1-35	50 YEAR	15.433	17.000	0.0006	225615	182.196	171.361
KCT1-40	50 YEAR	15.851	17.000	0.0005	658842	205.796	182.196
KCT1-5	50 YEAR	8.709	9.000	0.0011	86097	242.597	237.221
KCT1-50	50 YEAR	16.259	16.000	0.0007	906109	305.588	205.796
KCT1-60	50 YEAR	16.259	18.000	0.0008	428096	0.000	16.212
LAGOON 1	50 YEAR	15.266	20.000	0.0005	1190059	220.083	0.000

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Hydrology Report (2510 : Subdivision Application

RICE HOPE PARKSIDE PHASES B & C
PITTMAN ENGINEERING CO
PIPE SIZING
6/17/2021

PIPE SIZING

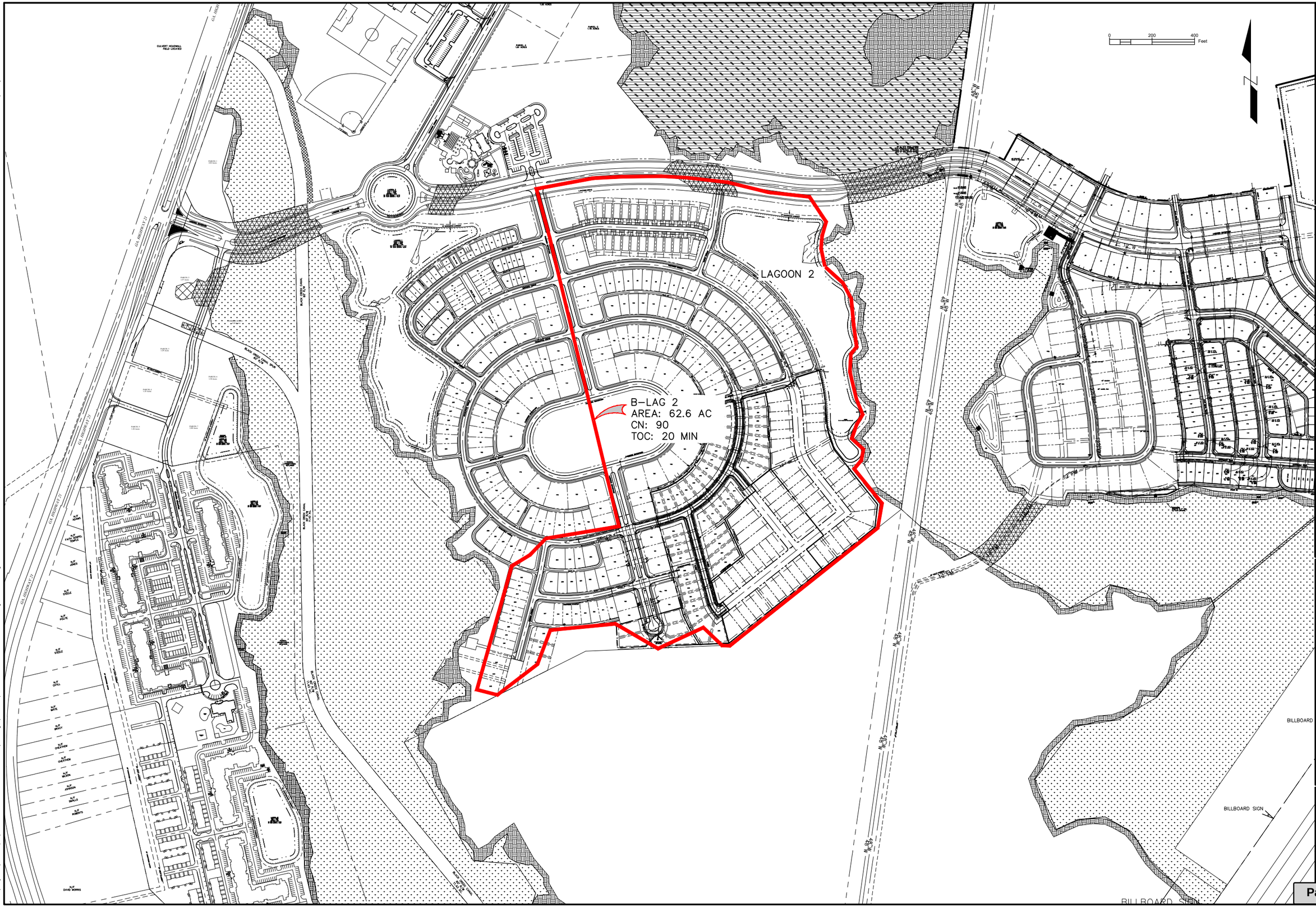
STARTING STRUCTURE ID	RECEIVING STRUCTURE ID	DRAINAGE AREA (ACRES)	TOTAL DRAINAGE AREA (ACRES)	MANNING'S COEFF	TIME OF CONC (MIN)	RUNOFF COEFF c	25-YR 24HR RAINFALL INTENSITY (IN/HR)	CUMULATIVE DISCHARGE (CFS)	SLOPE (FT/FT)	MANNINGS CALC. (IN)	SELECTED MANNINGS SIZE (IN)	MANNINGS VELOCITY (FT/SEC)	PIPE LENGTH (FT	PIPE TRAVEL TIME (MIN)	FRAME ELEV (FT)	FRICTION LOSSES (FT)	TOTAL	MINOR LOSSES (FT)	*DOWN STREAM ELEV (FT)	INLET PONDING ELEV (FT)	FREEBOARD (FRAME-INLET PONDING-0.3 FT) (FT)
GI EX 10	GI EX 9	0.48	0.48	0.013	15	0.50	6.0	1.44	0.016	8	15	2	46	0.38	20.46	0.0231	0.5	0.01	16.86	16.90	3.26
GI EX 9	GI EX 8	0.13	0.61	0.013	15	0.50	6.0	1.83	0.013	9	15	2	48	0.43	20.68	0.0389	0.5	0.02	16.81	16.86	3.52
GI EX 8	GI EX 7	0.17	0.78	0.013	16	0.50	5.9	2.33	0.011	11	15	2	50	0.35	21.03	0.0658	0.5	0.03	16.71	16.81	3.92
GI EX 7	GI EX 6	0.17	0.95	0.013	16	0.50	5.9	2.83	0.093	8	18	2	51	0.35	20.73	0.0375	0.5	0.02	16.65	16.71	3.72
GI 8	GI 9	0.28	0.28	0.013	15	0.50	6.0	0.84	0.003	9	15	2	87	0.73	20.00	0.0149	0.5	0.00	16.89	16.91	2.79
GI 9	GI 10	0.28	0.56	0.013	16	0.50	5.9	1.67	0.003	12	15	2	87	0.85	20.04	0.0585	0.5	0.01	16.82	16.89	2.85
GI 10	GI EX 6	0.28	0.84	0.013	17	0.50	5.8	2.48	0.003	14	15	3	89	0.59	19.59	0.1324	0.5	0.03	16.65	16.82	2.47
GI EX 6	CI 38	0.26	2.05	0.013	17	0.50	5.8	6.07	0.003	19	24	4	149	0.64	20.65	0.1084	0.5	0.03	16.52	16.65	3.70
CI 38	CI 39	1.16	3.21	0.013	18	0.50	5.7	9.37	0.003	22	24	6	25	0.07	18.82	0.0434	0.5	0.07	16.40	16.52	2.00
CI 39	LAGOON	1.23	4.44	0.013	18	0.50	5.7	12.88	0.030	16	24	8	181	0.37	18.82	0.5936	0.5	0.13	15.68	16.40	2.12
GI 3	GI 2	0.19	0.19	0.013	15	0.50	6.0	0.57	0.003	8	15	2	121	1.01	19.55	0.0095	0.5	0.00	17.63	17.64	1.61
GI 2	GI 1	0.20	0.39	0.013	16	0.50	5.9	1.16	0.003	10	15	2	131	1.09	19.70	0.0427	0.5	0.01	17.58	17.63	1.77
CI 32	CI 33	0.71	0.71	0.013	15	0.50	6.0	2.13	0.003	13	15	2	31	0.24	19.27	0.0341	0.5	0.02	17.89	17.95	1.02
CI 33	GI 1	0.82	1.53	0.013	15	0.50	6.0	4.59	0.003	17	18	4	133	0.57	19.27	0.2568	0.5	0.05	17.58	17.89	1.08
GI 1	GI 4	0.26	2.18	0.013	17	0.50	5.8	6.50	0.003	19	24	4	131	0.53	19.50	0.1096	0.5	0.03	17.44	17.58	1.62
GI 4	GI 5	0.23	2.41	0.013	18	0.50	5.7	7.16	0.003	20	24	5	126	0.46	19.70	0.1278	0.5	0.04	17.27	17.44	1.96
GI 5	GI 6	0.24	2.65	0.013	18	0.50	5.7	7.84	0.003	21	24	5	131	0.44	19.90	0.1594	0.5	0.05	17.07	17.27	2.33
CI 36	CI 37	0.60	0.60	0.013	15	0.50	6.0	1.80	0.003	12	15	2	25	0.23	19.72	0.0196	0.5	0.02	18.06	18.10	1.32
CI 37	DMH 40	0.56	1.16	0.013	15	0.50	6.0	3.48	0.003	15	15	4	107	0.50	19.72	0.3139	0.5	0.06	17.69	18.06	1.36
DMH 40	CI 30	0.00	1.16	0.013	16	0.50	5.9	3.48	0.003	15	15	4	118	0.55	19.99	0.3461	0.5	0.06	17.28	17.69	2.00
CI 30	CI 31	0.31	1.47	0.013	17	0.50	5.8	4.38	0.003	17	18	4	25	0.11	19.72	0.0439	0.5	0.05	17.19	17.28	2.14
CI 31	GI 6	0.56	2.03	0.013	17	0.50	5.8	6.00	0.003	19	24	4	133	0.58	19.72	0.0948	0.5	0.03	17.07	17.19	2.23
GI 6	GI 7	0.21	4.89	0.013	19	0.50	5.6	14.43	0.003	26	30	7	131	0.30	19.01	0.1644	0.5	0.07	16.83	17.07	1.64
GI 7	GI 12	0.24	5.13	0.013	19	0.50	5.6	15.11	0.003	26	30	8	96	0.21	19.01	0.1319	0.5	0.07	16.63	16.83	1.88
GI 12	GI 13	0.13	5.26	0.013	19	0.50	5.6	15.47	0.003	27	30	8	109	0.23	19.20	0.1571	0.5	0.08	16.39	16.63	2.27
GI 13	GI 14	0.22	5.48	0.013	20	0.50	5.5	16.08	0.003	27	30	8	120	0.24	19.10	0.1867	0.5	0.08	16.12	16.39	2.41
GI 14	GI 15	0.17	5.65	0.013	20	0.50	5.5	16.54	0.003	27	30	8	84	0.17	18.87	0.1384	0.5	0.09	15.90	16.12	2.45
GI 15	LAGOON	0.13	5.78	0.013	20	0.50	5.5	16.90	0.057	16	30	9	73	0.14	18.50	0.1256	0.5	0.09	15.68	15.90	2.30
GI EX 5	GI EX 4	0.57	0.57	0.013	15	0.50	6.0	1.71	0.003	12	15	2	46	0.44	18.00	0.0326	0.5	0.02	17.45	17.50	0.20
GI EX 4	GI EX 3	0.19	0.76	0.013	16	0.50	5.9	2.27	0.003	13	15	2	52	0.37	18.00	0.0649	0.5	0.03	17.36	17.45	0.25
GI EX 3	GI EX 2	0.32	1.08	0.013	16	0.50	5.9	3.21	0.003	15	18	3	64	0.39	19.65	0.0606	0.5	0.03	17.27	17.36	1.99
GI EX 2	GI EX 1	0.16	1.24	0.013	16	0.50	5.9	3.69	0.003	16	18	3	85	0.45	19.65	0.1059	0.5	0.03	17.13	17.27	2.08
GI EX 1	EX SDC1	0.17	1.41	0.013	17	0.50	5.8	4.18	0.003	16	18	4	54	0.25	18.77	0.0865	0.5	0.04	17.00	17.13	1.34

*Starting downstream max elevation set to lagoon peak elevation during 10-yr 24-hr rainfall.

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Pipe Sizing Sheet

Wednesday, August 25, 2021 11:43:09 AM

S:\Projects\Rice Hope\20-237 Parkside Phases B & C\Drawings\Exhibits\20-237 Parkside B-C - Post Lagoon Basin.dwg



PITTMAN ENGINEERING
2591 Hwy 17S Suite 303
Richmond Hill, GA 31324
912-445-0578

GEORGIA REGISTERED No. 38245 PROFESSIONAL JASON M. PITTMAN

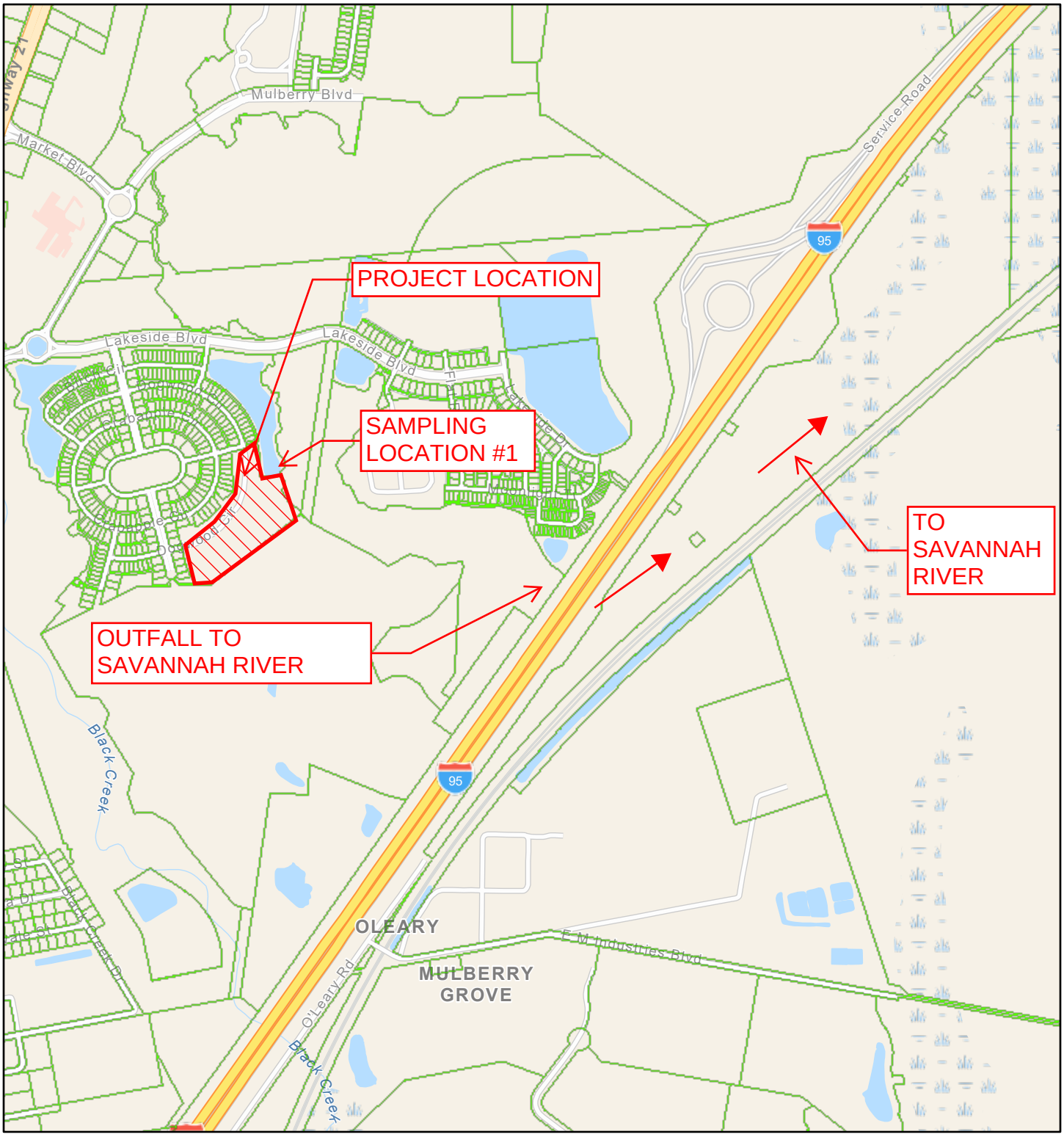
POST-DEVELOPMENT BASIN EXHIBIT

RICE HOPE
PARKSIDE PHASES B & C

Project No. 20-
Drawn By: DME
Designed By: DME
Checked By: RAP
Scale: 1"=
Date: 8/2

SHEET
POST

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Post Lagoon Basin (2510 : Subdivision Application



6/23/2021, 4:03:00 PM

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

Property Boundaries (Parcels)

Parcels Outline

SAMPLING LOCATION MAP

PARKSIDE AT RICE HOPE

PHASES B & C

PREPARED BY: PITTMAN ENGINEERING
JUNE 23, 2021

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Sampling Location Map (2510 : Subdivision Application

ESTD 1946
75H
THOMAS & HUTTON

50 PARK OF COMMERCE WAY
SAVANNAH, GA 31405 | 912.234.5300
THOMASANDHUTTON.COM

September 14, 2021

Mr. Brian Harvey
Director of Development Services
City of Port Wentworth
305 South Coastal Highway
Port Wentworth, GA 31407

Re: Parkside Phases B & C
Port Wentworth, Georgia
Site Plan Review
J–25412.0023

Dear Brian:

We have received the site plan for the referenced project submittal. The following information was included in the submittal package:

- Subdivision Application, dated August 2021
- Coastal Stormwater Supplement Design Calculations, dated March 2021
- Site Plans, dated June 2021
- Land Disturbance Permit Application, dated June 2021
- Post-Development Basin Exhibit, dated August 2021
- Preliminary Plat, dated August 2021
- Sampling Location Map, dated June 2021
- Drainage Report & Exhibits, dated June 2021
- Hydrology Report, no date
- Pipe Sizing Analysis, dated June 2021
- Water & Wastewater Calculations, dated August 2021

This site plan review was completed based on our interpretation of the latest City of Port Wentworth zoning ordinance and development regulations. Thomas & Hutton's review was performed in an effort to assess if the application package for the proposed improvements is in general conformance with City of Port Wentworth regulations. Our review shall not be interpreted as a detailed technical analysis of the design or for verification of technical sufficiency for elements of design. Under no circumstances shall our review and comments related to the site plans relieve the Applicant's Design Professional of their professional obligations and professional standards of care. As such, the design submitted by the Applicant's Design Professional shall be

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - 1st Comment Letter T&H 9.14.21 (2510 : Subdivision

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - 1st Comment Letter T&H 9.14.21 (2510 : Subdivision

the sole responsibility of the Applicant's Design Professional. Thomas & Hutton shall not accept any responsibility for any liability due to design and construction, in whole or in part, for any aspect of the design and construction of design documents.

We have reviewed the submittal package and offer the comments noted below for consideration.

General Comments

1. The site is zoned as Planned Unit Development (PUD).

2. The site lies within an Effective FEMA Zone X, area of minimal flood hazard, as documented on FEMA FIRM Panel 13051C0030G, effective August 16, 2018.

3. Please provide EPD water/wastewater permits, if applicable.

4. Applicant has provided copies of submittals to permitting agencies. Provide permits once received.

5. Please confirm there are no wetland impacts proposed as part of this project.

Stormwater Comments

In accordance with the City of Port Wentworth Drainage and Flood Control Ordinance (PWSMO) Section 7–79, this project proposes site development that will involve the creation of 5,000 square feet or more of impervious cover that otherwise did not exist on the site previously. As such, all stormwater provisions apply to this site.

1. Provide the following items to complete the Stormwater Management Design Plan per Section 7-80(d) of the Port Wentworth Code of Ordinances and Section 3.7.9 and 3.7.12 of the Port Wentworth Comprehensive Development Manual:

   a. Certification by Plan Preparer
   b. Certification by Owner

2. Provide a stormwater management inspection and maintenance agreement and plan as prescribed in Section 7–80(e) of the Port Wentworth Code of Ordinances.

3. Acknowledge that a performance bond will be required prior to construction, as listed in Section 7–80(h) of Article III of the Drainage and Flood Control Ordinances within the Port Wentworth Code of Ordinances.

4. Per Section 3.7.10 of the CDM, provide a statement of no adverse upstream or downstream impacts to the existing stormwater system.

5. Provide a detail for vegetated filter strips and the location of all vegetated filter strips on the site development plans pursuant to Section 7.8.6 of the Georgia CSS.

6. Provide a detail and the location of all simple downspout disconnections per Section 7.8.8 of the Georgia CSS.

7. Provide drainage calculations for 2-, 5-, 10-, 25-, 50-, and 100-year design storms as per Section 3.7.9 of the CDM. Current calculations appear to be missing the 5-year storm.

8. Calculations demonstrate 24% runoff reduction volume. Provide clarification on the proposed methods of reducing the remaining 76% of runoff reduction volume, as per Section 4.4.1 of the Georgia CSS.

9. It appears that various tailwaters are being used within the pipe sizing spreadsheet. Provide clarification on the tailwater values used and their source.

10. Provide calculations regarding extended detention of the 1-year storm event to ensure adequate overbank flood protection, as per Section 2.2.4.3 of GSMM (Vol. 2).

Water, Fire System, and Sanitary Sewer Design Comments

1. Provide the Water/Wastewater Availability Request Form found in Appendix A of the Port Wentworth Comprehensive Design Manual (CDM) as required by Section 3.3 of the CDM.

2. Complete and provide the Water Distribution System Check List (Section 3.4.3 Exhibit 1 in the CDM).

3. Complete and provide the Fire Protection Design Requirements form (Section 3.4.4 Exhibit 2 in the CDM).

4. Complete and provide the necessary Available Fire Flow (Aff) calculations (Section 3.4.5 Exhibit 3 in the CDM). Additionally, provide verification that the flow in the system meets levels provided in the fire flow calculations via fire hydrant flow testing or other approved testing method.

5. Specify the method for connecting proposed water line into existing water main and provide the appropriate detail, as per Section 3.4.2 in the CDM.

6. Ensure that there is at least 18" of separation between all water and sewer lines and demonstrate on utility profiles. Additionally, provide a detail for standard utility crossing (Detail W-6 in the CDM).

7. Confirm that all water/wastewater pipes have a minimum of 24" of cover as provided in the Port Wentworth CDM technical details S-8 and W-8.

8. Complete and provide the Owner/Client Declaration (Section 3.4.7 Exhibit 4 in the CDM).

9. Complete and provide the Wastewater Collection System Check List (Section 3.5.3 Exhibit 1 in the CDM).

10. Complete and provide the necessary Equivalent Residential Unit (ERU) calculations (Section 3.5.4 Exhibit 2 in the CDM).

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - 1st Comment Letter T&H 9.14.21 (2510 : Subdivision

11. Additional water, fire system, and sanitary sewer design comments may arise upon submission of the requested calculations and materials.

Plan Sheets Comments

1. Provide a tree survey and tree protection plan as per Section 5.2-4.2 in Appendix B of the Port Wentworth Code of Ordinances.

2. Provide a Traffic Analysis Study as per Section 5.2 of Appendix B of the Port Wentworth Code of Ordinances.

3. Provide a statement on the site plans regarding net dwelling unit density as per Section 5.2 of Appendix B of the Port Wentworth Code of Ordinances.

4. Specify the dimensions of all lot lines on the site plans. Additionally, please ensure all lot and yard dimensions adhere to Section 5.7 of Appendix B of the Port Wentworth Code of Ordinances.

5. It appears that several drainage pipes on the plan sheets are erroneously labeled as having a negative slope. Please provide clarification.

6. Note that all street names within a subdivision shall be approved by the Manger and Council, pursuant to Section 15.3-2.1(k) in Appendix B of the Port Wentworth Code of Ordinances.

Site Lighting Comments

1. Please provide a Site Lighting Plan for the development. Additional comments may arise upon submission of the requested calculations and materials.

Paving, Signage, and Parking Comments

1. Applicant shall ensure construction of sidewalks, ADA parking, and accessible routes are in conformance with federal ADA standards, latest edition. Please provide a note on the plans.

2. Specify the location of any proposed driveways as outlined in Section 5.2, Appendix B of Port Wentworth Code of Ordinances.

3. Any proposed signage will require a separate permit as outlined in Section 19.1–3 of Port Wentworth Code of Ordinances.

4. A building permit will be required as outlined in Section 7.3, Appendix B of Port Wentworth Code of Ordinances.

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - 1st Comment Letter T&H 9.14.21 (2510 : Subdivision

Thank you for your attention to this project. If there are any questions or comments, please feel free to call us at (912) 234–5300.

Sincerely,

THOMAS & HUTTON

Dana Scheetz

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - 1st Comment Letter T&H 9.14.21 (2510 : Subdivision

Project Timeline

PARKSIDE PHASES B & C SUBDIVISION PRELIM PLAT

Project Number 210314

Applicant: Ray Pittman, Pittman Engineering

Review Engineer: Thomas & Hutton

- 8/16/2021 – Application received; incomplete – missing PDF, Preliminary Plat and Fee Check
- 8/17/2021 – Received check & plat
- 8/23/2021 – Sent email to Ray Pittman that we need PDF's
- 8/25/2021 – Received PDF's
- 8/26/2021 – Sent to Thomas & Hutton Engineering for review
- 9/14/2021 – 1ST Comment letter received from T&H. Pittman Engineering copied on email.

Attachment: PARKSIDE PHASES B AND C SUBDIVISION APP PRE PLAT SEPT 2021 - Timeline (2510 : Subdivision Application Parkside Ph B &

CITY OF PORT WENTWORTH

PLANNING COMMISSION

SEPTEMBER 13, 2021

Via Teleconference GoToMeeting | **Regular Meeting** | **6:30 PM**

7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407

1. CALL MEETING TO ORDER

Chairman CJ Neesmith called the meeting to order.

2. PRAYER AND PLEDGE OF ALLEGIANCE

Commissioner Bright led the Prayer and Pledge of Allegiance.

3. ROLL CALL - SECRETARY

Attendee Name	Title	Status	Arrived
Bill Herrin	Planning Commissioner	Present	
Rufus Bright	Planning Commissioner	Present	
Rosetta Franklin	Planning Commissioner	Present	
Wanda Rollf	Planning Commissioner	Present	
Lauree Morris	Planning Commissioner	Present	
CJ Neesmith	Planning Commissioner	Present	
Gabrielle Nelson	Planning Commissioner	Present	
Brian Harvey	Director of Development Services	Present	
Melanie Ellis	Building Inspector	Present	

4. APPROVAL OF AGENDA

1. Approval of Agenda

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Rosetta Franklin, Planning Commissioner
SECONDER:	Bill Herrin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

5. ADOPTION OF MINUTES

A. Planning Commission - Regular Meeting - Jul 12, 2021 6:30 PM

RESULT:	**ACCEPTED [UNANIMOUS]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Rosetta Franklin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

6. ZONING MAP AMENDMENTS (REZONING)

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2510 : Subdivision Application Parkside Ph B & C Prelimary Plat)

A. Zoning Map Amendment Application submitted by Robert L. McCorkle, III., McCorkle, Johnson & McCoy, on behalf of Thomas Lee Exley for PIN # 7-0906-01-012 (Highway 21) to Rezone from R-A (Residential Agriculture) to P-R-M (Planned Residential Multifamily) Zoning District for the purpose of a Multi-Family Apartment Development

The applicant, Robert L. McCorkle III., was present and gave a brief overview of the project and offered to answer any questions the Commission may have. Commissioner Nelson asked if City services would be able to sustain all the new residential development, traffic concerns, and school overcrowding. Mr. McCorkle responded that they do not believe that their project will overburden the City and that this project would bring in more taxes that can assist the City in acquiring more staff to support the new growth. Commissioner Morris agreed with Commissioner Nelson and stated that the Developers should consider the concerns when submitting for site plan development and the reports that are included in those submittals for review by the City engineers.
Public Comments:
-Murray Marshal spoke in favor of the application.
After the public comment section was closed, Commissioner Morris made a motion to approve the application. Commissioner Nelson seconded the motion to approve. The vote was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Lauree Morris, Planning Commissioner
SECONDER:	Gabrielle Nelson, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

B. Zoning Map Amendment Application submitted by Marc Liverman, Atlantic Coast Consulting, Inc., on behalf of Drayton-Parker Companies, LLC., for PIN # 7-0035-01-010 (Highway 21) to Rezone from P-C-3 (Planned General Business) to P-I-1 (Planned Industrial) Zoning District for the purpose of a Truck / Chassis Storage Yard

The applicant, Marc Liverman, and Zach Riddle was present to represent the application. Marc Liverman gave a brief overview of the project and offered to answer any questions the Commission may have. Commissioner Nelson asked that this would be a hub instead of a in / out operation all day. Mr. Liverman responded that was correct and that most of the clients that would use this as an overflow yard and storage. Commissioner Herrin asked what the hours of operation would be. Zach Riddle responded that it should be normal business hours and weekends. Commission Bright asked to verify the location of this project. Commissioner Rollf asked about the flow of traffic of the trucks and how the trucks will be stopped from making left turns out of the driveway. Mr. Riddle responded that in the contract / lease agreement with the users the truck drivers will be required to follow all traffic laws. Commissioner Franklin asked if the trucks would use the road through Amazon parking lot and exit onto Crossgate Road. Mr. Riddle responded that the trucks would not be allowed on that road and that is Amazon only road. Commissioner Morris asked about the traffic flow for trucks making a U-Turn at the red-light at Crossgate Road and if the light timing has been researched. Mr. Liverman responded that in the traffic impact assessment did not show that this facility would impact that light and that any trucks turning left into the facility would use the existing curb cut on Highway 21. There were no public comments. Commissioner Herrin made a motion to approve the application. Commissioner Bright seconded the motion to approve. Commissioners Herrin, Bright, Franklin, Rollf, Nelson voted to approve. Commissioner Morris vote could not be heard due to technical issues.

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2510 : Subdivision Application Parkside Ph B & C Prelimary Plat)

RESULT:	**APPROVED [5 TO 0]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Rufus Bright, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Nelson
AWAY:	Morris

7. ZONING TEXT AMENDMENTS (ORDINANCES)

8. SITE PLAN/SUBDIVISION APPROVAL

A. Site Plan Review Application submitted by NGI Acquisitions, LLC., on behalf of Tom Exley for PIN # 7-0907-01-003 (Highway 21) for a General Development Site Plan to allow a Multifamily Apartment Complex (Novare) in a P-RIP (Planned Residential Institutional) Zoning District

Scott Monson and Kenny Bud was present on behalf of the applicant. Mr. Monson gave an overview of the project and offered to answer any questions the Commission may have. Commissioner Herrin expressed traffic concerns on Highway 21 and how the traffic flow for the complex would be handled, what the value / rent would be for the homes, and if there would be a berm between the project and Pine Forest Subdivision. Mr. Monson responded that the entrance / exit would be approved by GDOT and there is a 50-foot vegetative buffer. Kenny Bud responded that the rent currently ranges between $1300-$1800.
Public Comments:
-Per Brian Harvey - Sylvia Hinley 1 Lanvale Street contacted the Development Services Office to inform that she is against the development.
After the public comment section was closed, Commissioner Rollf made a motion to Approved the application. Commissioner Bright seconded the motion to approve. Commissioners Bright, Rollf, Nelson voted Yes. Commissioners Herrin and Franklin voted No. Commissioner Morris vote could not be heard due to technical issues.

RESULT:	**APPROVED [3 TO 2]**
MOVER:	Wanda Rollf, Planning Commissioner
SECONDER:	Rufus Bright, Planning Commissioner
AYES:	Bright, Rollf, Nelson
NAYS:	Herrin, Franklin
AWAY:	Morris

B. Site Plan Review Application submitted by Ray Pittman, Pittman Engineering, on behalf of Third Lake Development, LLC., for PIN # 7-0906-04-091 (Rice Hope Rd) for a General Development Site Plan to allow a Multifamily Development (The Cottages at Rice Hope Plantation) in a M-P-O (Master Plan Overlay) Zoning District

The applicant, Ray Pittman, was present and gave a brief overview of the project and offered to answer any questions the commission may have. Scott DeCain was also present. Commissioner Nelson asked if City services would be able to sustain all the new residential development, traffic concerns, and school overcrowding. Mr. Pittman responded that the when the original master plan was developed all the infrastructure was took into account and that the overall amount of lots would be less than the original master plan allowed. Commissioner Bright asked about additional traffic lights and traffic concerns. Mr. Pittman stated that no traffic lights have been planned with the additional units due to that all of those concerns were addressed in the original master plan. Commissioner Rollf asked what the average number of cars per unit and if there was enough parking provided. Mr. Pittman responded that for this development there is a minimum of two parking spaces per unit. Commissioner Morris liked that this concept plan showed several areas of greenspace, and she believes the development will be very

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2510 : Subdivision Application Parkside Ph B & C Prelimary Plat)

nice. Commissioner Rollf asked why these homes are for rent instead of building homes for purchase. Scott DeCain responded the Rice Hope community does have for-sale homes in future development plans.
Public Comments:
-Christine Stewart, 504 Rice Hope Plantation Road, spoke against the application due to traffic concerns and trash services.
-Madeline Quinones, 114 Parkside Blvd, spoke against the application due to traffic concerns, on-street parking, and emergency vehicle access.
-Cortrice Jackson, 305 Lakeside Blvd, spoke against the application due traffic, trash, internet capabilities.
-Gary Conway, 403 Lakeside Blvd, asked where the entrance for the plan was located.
After the public comment section was closed, Commissioner Bright made a motion to approve the application. Commissioner Rollf seconded the motion to approve. Commissioners Herrin, Bright, Franklin, Rollf, Nelson voted to approve. Commissioner Morris vote could not be heard due to technical issues.

RESULT:	**APPROVED [5 TO 0]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Wanda Rollf, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Nelson
AWAY:	Morris

C. Site Plan Review Application submitted by D.R. Horton on behalf of Bald Eagle Partners for PIN #'s 7-0906-04-041, 7-0906-04-042, 7-0906-04-054, 7-0906-04-063 (Lakeside Blvd) for a General Development Site Plan to allow a Residential Development (Lakeside Phases 20-30) in a M-P-O (Master Plan Overlay) Zoning District

Garrison Bryant was present on behalf of the applicant. Mr. Bryant gave a brief overview of the project and offered to answer any questions the commission may have. Commissioner Nelson asked to confirm that these homes were for purchase and not for rent. Chairman Neesmith stated that yes, they were for-sale homes. Commissioner Bright asked where these were located and if they were 3- or 4-bedroom homes. Mr. Bryant responded that they were off of Lakeside Blvd and there would be a variety of types of homes and that the majority would be for-sale and a small percentage would be for-rent.
Public Comments:
-Alfonso Ribot, 17 Wild Silk Way, asked if the HOA would be the same for the new development as the rest of Rice Hope. Mr. Decain responded that it has not been determined yet.
-Ponda Showalter, 313 Lakeside Blvd, asked what the traffic flow for the construction would be. Mr. Decain responded that he is not responsible for the construction traffic.
-Gary Conway, 403 Lakeside Blvd, asked if there would be any other access points other than Lakeside Blvd and Mulberry Blvd. Mr. DeCain responded no.
-Madeline Quinones, 114 Parkside Blvd, asked how many rentals and how many for-sale. Mr. DeCain responded about 25% for-rent and 75% for-sale.
After the public comment section was closed, Commissioner Bright voted to approve the application. Commissioner Morris seconded the motion to approve. The vote to approve was unanimous.

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2510 : Subdivision Application Parkside Ph B & C Prelimary Plat)

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Lauree Morris, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

D. Site Plan Review Application submitted by Neil McKenzie, Coleman Company Inc., of behalf of LMS Real Estate Investment Management, LLC., for PIN # 7-0975-01-025 Tract B (Highway 21 / Jeffers Rd) for a Specific Development Site Plan to allow a Multi-Family Residential Development (LMS Cottages) in a P-R-M (Planned Residential Multifamily) Zoning District

The applicant, Neil McKenzie, was present. Mr. McKenzie gave an overview of the project and offered to answer any questions the Commission may have. Commissioner Bright asked which residents that they talked to about the project. Mr. McKenzie responded that there were two neighborhood meetings at the City Hall Council Chambers and both meetings were well attended. Commissioner Nelson asked about the Saussy Road improvements. Mr. McKenzie responded that the Developers would rebuild and widen Saussy Road up to the entrance of the development, which would include a dedicated right and left turn lane, and then they would mill and overlay Saussy Road up to Grant Road.
Public Comments:
-LaRay Benton, 135 Saussy Road, spoke against the applicant, stating stormwater and flooding concerns.
After the public comment section was closed, Commissioner Herrin made a motion to approve. Commissioner Rollf seconded the motion to approve. The vote to approve was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Wanda Rollf, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

E. Subdivision Application submitted by David Dowdy, Jackson Surveying, Inc., on behalf of Shay Anam, LLC., for a portion of PIN # 7-0037-02-004 (Magellan Blvd) located in a P-C-3 (Planned General Business) Zoning District for a Final Plat of a Minor Subdivision (Parcel 3, Former Broadman Tract) for the purpose of a Hotel Development

No one was present for the application. There were no public comments.
Commissioner Franklin made a motion to approve. Commissioner Nelson seconded the motion to approve. The vote was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rosetta Franklin, Planning Commissioner
SECONDER:	Gabrielle Nelson, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

F. Subdivision Application submitted by Ray Pittman, Pittman Engineering, Co., on behalf of Bald Eagle Partners for PIN # 7-0906-04-069 (Hickory Street) located in a M-P-O (Master Plan Overlay) Zoning District for a Preliminary Plat of a Major Subdivision (Parkside at Rice Hope Phases B & C) for the purpose of Single-Family Homes

The applicant, Ray Pittman, was present. Mr. Pittman gave a brief overview of the project and offered to answer any questions the Commission may have. There were no questions from the Commission.
Public Comments:

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2510 : Subdivision Application Parkside Ph B & C Prelimary Plat)

-Madeline Quinones, 114 Parkside Blvd, asked who the builder was for these homes and spoke against the application. Mr. Pittman responded that he was not sure of who the builder was.
After the public comment section was closed, Commissioner Bright made a motion to approve the application. Commissioner Morris seconded the motion to approve. The vote to approve was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Lauree Morris, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

9. NEW BUSINESS

10. ADJOURNMENT

A. Adjournment

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Bill Herrin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

_____
Chairman

The foregoing minutes are true and correct and approved by me on this _____ day of _____, 2021.

_____
Secretary

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2510 : Subdivision Application Parkside Ph B & C Prelimary Plat)

City Council
7224 GA Highway 21
Port Wentworth, GA 31407

SCHEDULED

Meeting: 09/23/21 12:00 AM
Department: Development Services
Category: Planning/Zoning Item
Prepared By: Melanie Ellis
Department Head: Brian Harvey

AGENDA ITEM (ID # 2509)

DOC ID: 2509

Subdivision Application submitted by David Dowdy, Jackson Surveying, Inc., on behalf of Shay Anam, LLC., for a portion of PIN # 7-0037-02-004 (Magellan Blvd) located in a P-C-3 (Planned General Business) Zoning District for a Final Plat of a Minor Subdivision (Parcel 3, Former Broadman Tract) for the purpose of a Hotel Development

Issue/Item: Subdivision Application submitted by David Dowdy, Jackson Surveying, Inc., on behalf of Shay Anam, LLC., for a portion of PIN # 7-0037-02-004 (Magellan Blvd) located in a P-C-3 (Planned General Business) Zoning District for a Final Plat of a Minor Subdivision (Parcel 3, Former Broadman Tract) for the purpose of a Hotel Development.

Background: The owner is requesting to subdivide a single 13.50 acre tract into two parcels (3.69 / 9.81 acres) for the purpose of a Hotel development and other future development.

Facts and Findings: The application and submitted plat appears to meet the City requirements. The parcel will be served by City water and sewer utilities.

Funding: N/A

Recommendation: The Planning Commission will hear this application on Monday, September 13, 2021 at 6:30 PM. **/ UPDATE: THE PLANNING COMMISSION VOTED UNANIMOUSLY TO APPROVE THE APPLICATION.**

ATTACHMENTS:

- Portion of 7-0037-02-004 Parcel 3 Subdivision App Final Plat SEPT 2021 - Application (PDF)
- Portion of 7-0037-02-004 Parcel 3 Subdivision App Final Plat SEPT 2021 - Plat (PDF)
- Portion of 7-0037-02-004 Parcel 3 Subdivision App Final Plat SEPT 2021 - Timeline (DOCX)
- Planning Commission Minutes September 13, 2021 DRAFT (PDF)

210304

RECEIVED
AUG 09 2021
BY: MBE

SUBDIVISION APPLICATION FORM
FOR THE
CITY OF PORT WENTWORTH

Application Form Required

This application form is to accompany **all** subdivisions submitted for Port Wentworth Planning Commission review and is to be filled out in its **entirety**. Plats/subdivisions not accompanied by this application will not be accepted for processing. All subdivisions with their completed applications must be received by the City of Port Wentworth at least 20 business days prior to the Planning Commission meeting at which they are to be considered. Revisions to a subdivision under review by the Port Wentworth Planning Commission must be received 10 business days prior to the Port Wentworth Planning Commission at which each subdivision is scheduled to be heard.

Subdivision Name: Parcel 3, Former ~~Boardman~~ Broadman Tract

Location: Magellan Blvd.

Number of Lots: 2

Number of Acres: 13.50

PIN #: Portion of 7003702004

Current Zoning: P-C-3

Type of Subdivision: **(Check applicable blanks from each column)**

A.
- ____ Sketch Plan
- ____ Master Plan
- ____ Preliminary Plat
- X Final Plat
- ____ Revision to a Recorded Plat

B.
- ____ Major Subdivision (4 or more lots or a new road)
- X Minor Subdivision (3 or less lots & no new road)

Purpose of Subdivision:

- ____ Single-Family
- ____ Multi-Family
- ____ Retail
- X Other Business
- ____ Industrial
- ____ Institutional
- ____ Other
- ____ Sign

Variances: **(List all variances being requested)**

Attachment: Portion of 7-0037-02-004 Parcel 3 Subdivision App Final Plat SEPT 2021 - Application (2509 : Subdivision Application Parcel 3,

Georgia DOT Review

In all applications in which property being subdivided lies along a State Highway or access is needed from a State Highway, all applicants are required to submit a plat to the Georgia Department of Transportation for review. The subdivision application will not be considered by the Port Wentworth Planning Commission until the Georgia Department of Transportation has commented on the subdivision. The comments must accompany the application.

Previous Submittal

Has this tract of land being proposed for subdividing been submitted to the Port Wentworth Planning Commission under a different subdivision name?

Yes _____ No X

If yes, what name? _____

Date Submitted: _____ PWPC File No: _____

Number of Required Prints

All submittals, regardless of type, shall include fifteen (15) prints. **Final Plats must include a copy of the plat scanned to a CD along with the fifteen (15) printed copies. Stamp must be in contrasting ink.**

Statements as to Covenants/Deed Restrictions: (Check One)

_____ A copy of all existing deed restrictions or subdivision covenants applicable to this property are attached.

X There are no added restrictions or subdivision covenants on this property.

Contact Person (s): (Type or Print Legibly)

Engineer/Surveyor: David Dowdy / Jackson Surveying, Inc

Address: PO Box 1031, Brunswick, GA Zip Code: 31520

Phone #: 912-265-3856 Fax #: –

Owner: Shay Anam, LLC

Address: 479 U.S. Highway 17, Richmond Hill Zip Code: 31324

Phone #: 912-572-5328 (Jay Patel) Fax #: –

Date of Submittal: June 18, 2021

Attachment: Portion of 7-0037-02-004 Parcel 3 Subdivision App Final Plat SEPT 2021 - Application (2509 : Subdivision Application Parcel 3,

Please list all property owners that are adjacent to the parcel to be subdivided including those across the public right-of-way:

WPB Estate Management, LLC
Land Holdings, LLC
Cove at Newport Townhome Association, Inc.

Certifications

1. I hereby certify that this proposed subdivision/plan does not violate any covenants or deed restrictions currently in effect for the property being subdivided.

2. I hereby certify that all taxes applicable to this property have been paid and that there are no delinquent taxes outstanding.

3. I hereby certify that I am the owner of the property being proposed for subdivision.

4. I hereby certify that all the information pertained in this application is true and correct.

Signature of Owner

Comments: Place any pertinent comments you wish to make in the following space:

Submit this form along with the proposed subdivision and any accompanying information to:

CITY OF PORT WENTWORTH
7306 HIGHWAY 21, SUITE 301
PORT WENTWORTH, GEORGIA 31407

Attachment: Portion of 7-0037-02-004 Parcel 3 Subdivision App Final Plat SEPT 2021 - Application (2509 : Subdivision Application Parcel 3,

CITY OF PORT WENTWORTH
(912) 964-4379

REC#: 00324151 8/19/2021 3:08 PM
OPER: ME TERM: 011
REF#: CK 1008

TRAN: 112.0000 BLDG PERMIT
210304 471.00CR
SHAY ANAM, LLC
7-0037-02-004
DEV-MINSUB 471.00CR

TENDERED: 471.00 CHECK
APPLIED: 471.00-

CHANGE: 0.00

WWW.CITYOFPORTWENTWORTH.COM

Attachment: Portion of 7-0037-02-004 Parcel 3 Subdivision App Final Plat SEPT 2021 - Application (2509 : Subdivision Application Parcel 3,

Name	Address	City	State	Zip	PIN #
1311 EUCLID LLC	1128 24TH ST	SANTA MONICA	CA	90403	70037 02014
3681 FIFTH AVENUE LLC & 3687 FIFTH AVENUE LLC	1018 GUILDFORD CT	ENCINITAS	CA	92024	70037 02012
AVALON COVE INVESTMENTS LLC	120 COMMERCE CT	POOLER	GA	31322	70978A21024
AVALON COVE INVESTMENTS LLC	120 COMMERCE CT	POOLER	GA	31322	70978A21030
BARRETT SCOTT J	418 LIONS DEN DR	POOLER, GA		31322	70978A01014
BIGHAM & OWENS KENNETH & SHANTELL	37 CORDAGE CIR	PT WENTWORTH	GA	31407	70978A01019
BRADLEY CREEK PROPERTIES LLC	PO BOX 637	STATESBORO	GA	30459	70037 02010
BRIGHTON BLUFF INVESTMENTS LLC	120 COMMERCE CT	POOLER	GA	31322	70978A21025
BRIGHTON BLUFF INVESTMENTS LLC	120 COMMERCE CT	POOLER	GA	31322	70978A21031
CAPITAL AVENUE INVESTMENTS LLC	120 COMMERCE CT	POOLER	GA	31322	70978A21029
CERVONE PAMELA MARIE	361 OHIO ST	ELYRIA	OH	44035	70978A21079
COASTAL CLUB PORT WENTWORTH, LLC	1031 WEST MOSE BLVD, SUITE 240	WINTER PARK, FL		32789	70037 02019
CONNER CHARLES H SR	130 JIM WATERS RD	STATESBORO	GA	30458	70978A21077
CONYERS SHEILA WILCOX	59 D BEARING CIR	PORT WENTWORTH	GA	31407	70978A21089
COOK TIFFANY R	91 BEARING CIR	PT WENTWORTH	GA	31407	70978A21038
CRAMER JEFFREY WALLIS	55 BEARING CIRCLE	PORT WENTWORTH	GA	31407	70978A21020
DAO CUONG C	210 FISH HAWK LN	SAVANNAH	GA	31410	70978A21021
DAVIS NORMAN E JR & EVELYN	139 COBBLETON DR	RINCON	GA	31326	70978A01015
DAVIS NORMAN E JR & EVELYN	139 COBBLETON DR	RINCON	GA	31326	70978A01016
DEMPSEY DYNESHA D	52 BEARING CIRCLE	PORT WENTWORTH	GA	31407	70978A21076
DILLARD PARK INVESTMENTS LLC	120 COMMERCE CT	POOLER	GA	31322	70978A21033
DILLARD PARK INVESTMENTS LLC	120 COMMERCE CT	POOLER	GA	31322	70978A21027
DOUBLE REVERSE, LLC	250 N. ORANGE AVENUE, SUITE 1500	ORLANDO	FL	32801	70037 02015
DOUBLE REVERSE, LLC	250 N. ORANGE AVENUE	ORLANDO	FL	32801	70037 02011
DOUBLE REVERSE, LLC	250 N. ORANGE AVE	ORLANDO	FL	32801	70037 02013
DOUBLE REVERSE, LLC	250 N. ORANGE AVENUE	ORLANDO	FL	32801	70037 02018
EDEN LAKE INVESTMENTS LLC	120 COMMERCE CT	POOLER	GA	31322	70978A21028
EDEN LAKE INVESTMENTS LLC	120 COMMERCE CT	POOLER	GA	31322	70978A21034
FIGARO ASNEL	45 CORDAGE CIRCLE	PORT WENTWORTH	GA	31407	70978A01023
FISHER ISLE INVESTMENTS LLC	120 COMMERCE CT	POOLER	GA	31322	70978A21035
FISHER ISLE INVESTMENTS LLC	120 COMMERCE CT	POOLER	GA	31322	70978A21036
GARNETT RIDGE INVESTMENTS LLC	120 COMMERCE CT	POOLER	GA	31322	70978A21026
GARNETT RIDGE INVESTMENTS LLC	120 COMMERCE CT	POOLER	GA	31322	70978A21032
GORDON KAYLA	89 BEARING CIR	PORT WENTWORTH	GA	31407	70978A21037
HARDEE GROVE INVESTMENTS LLC	120 COMMERCE CT	POOLER	GA	31322	70978A21023
HARVEY AIKEN DISHONG	43 CORDAGE CIRCLE	PORT WENTWORTH	GA	31407	70978A01022
HILL BRYAN A	48 BEARING CIRCLE	PORT WENTWORTH	GA	31407	70978A21078
KNIGHT MONICA	39 CORDAGE CIRCLE	PORT WENTWORTH	GA	31407	70978A01020
KOHRS CHAD E & JESSICA JEAN	108 ALCOTT CT	ELIZABETHTOWN	KY	42701	70978A01017
MCCOY TERRY & RUBY JANIE	35 CORDAGE CIRCLE	PORT WENTWORTH	GA	31407	70978A01018
REALTY INVESTORS US LLC	105 HILLSIDE DR	RINCON	GA	31326	70978A21104
RNJ INVESTMENTS LLC	7640 ABERCORN ST	SAVANNAH	GA	31406	70978A21101
SILVA CARLOS N	41 CORDAGE CIRCLE	SAVANNAH	GA	31407	70978A01021
SIMMONS MULIK	2 EMMET COURT	SAVANNAH	GA	31419	70978A21103
SPENCER BEULAH	140 CAMBRIDGE DR	RINCON, GA		31326	70978A21102
VOISINE HELGA J	275 NORTH TOPI TRL	HINESVILLE	GA	31313	70978A21088
WPB ESTATE MANAGEMENT LLC	4107 COLUMBIA ROAD	AUGUSTA	GA	30907	70037 02016

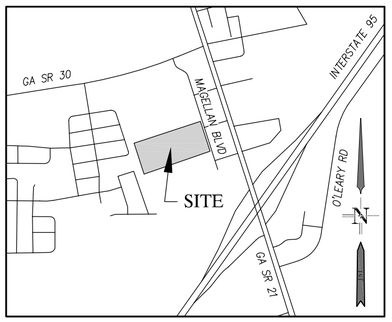
Attachment: Portion of 7-0037-02-004 Parcel 3 Subdivision App Final Plat SEPT 2021 - Application (2509 : Subdivision Application Parcel 3,

MAP TO SHOW SUBDIVISION SURVEY OF

PARCEL 3, FORMER BROADMAN TRACT, CITY OF PORT WENTWORTH, 8th G.M.D., CHATHAM COUNTY, GEORGIA

(ACCORDING TO PLAT RECORDED IN P.B. 52, PG. 428 OF THE PUBLIC RECORDS OF SAID COUNTY)

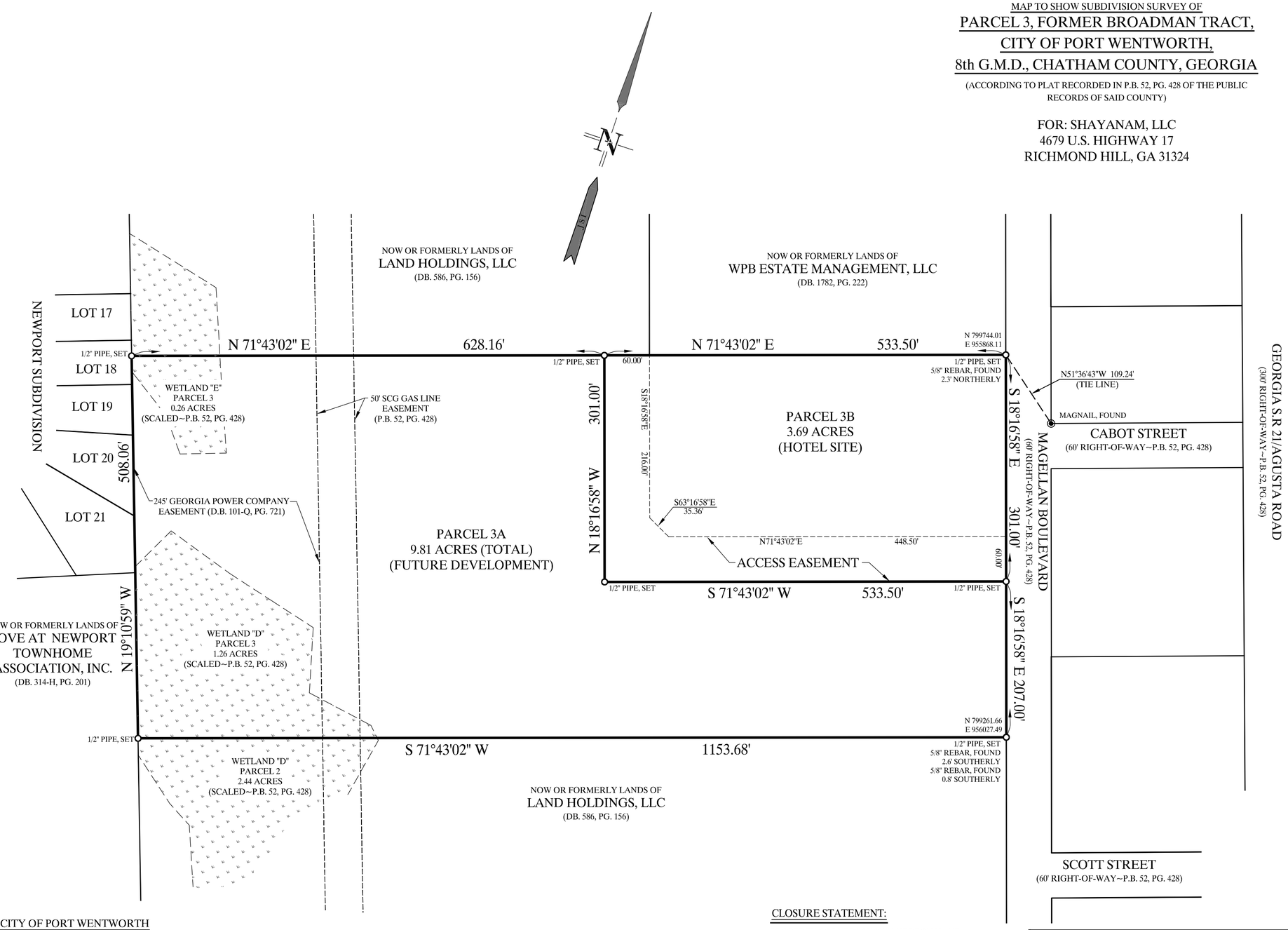
FOR: SHAYANAM, LLC
4679 U.S. HIGHWAY 17
RICHMOND HILL, GA 31324



VICINITY (N.T.S.) MAP

NOTES:

1. BEARINGS & COORDINATES SHOWN HEREON ARE BASED ON GRID NORTH-NAD83 COORDINATE DATUM FOR THE GEORGIA EAST ZONE UTILIZING THE eGPS SOLUTIONS RTN NETWORK.
2. THIS SURVEY WAS DONE WITHOUT THE BENEFIT OF A TITLE ABSTRACT.
3. ACCORDING TO PLAT RECORDED IN P.B. 52, PG. 428 THE SUBJECT PROPERTY IS ZONED P-C-3. SEE CITY OF PORT WENTWORTH ZONING REGULATIONS FOR BUILDING SETBACK AND BUFFER REQUIREMENTS:
4. THE SUBJECT PROPERTY IS SHOWN TO BE IN FLOOD HAZARD ZONE "X" (UNSHADED) AS PER F.I.R. MAPS, FOR CHATHAM COUNTY, GEORGIA, DATED: AUGUST 16, 2018, MAP No. 13051C0030G, COMMUNITY No. 135162, PANEL No. 0030, SUFFIX No. G.
5. REFERENCES:
   A. PLAT BY SUNDIAL LAND SURVEYING, P.C., RECORDED IN P.B. 52, PG. 428.
8. THERE MAY EXIST RESTRICTIONS OR ENCUMBRANCES AFFECTING THE SUBJECT PROPERTY THAT ARE NOT KNOWN TO JACKSON SURVEYING, INC.
9. THIS PROPERTY CONTAINS WETLANDS UNDER THE JURISDICTION OF THE U.S. ARMY CORPS OF ENGINEERS AND THE GEORGIA DEPARTMENT OF NATURAL RESOURCES. DISTURBANCE TO THESE AREAS WITHOUT AUTHORIZATION MAY RESULT IN PENALTY BY LAW.



APPROVED BY THE MAYOR AND COUNCIL, CITY OF PORT WENTWORTH

MAYOR	DATE
COUNCIL MEMBER	DATE
COUNCIL MEMBER	DATE
COUNCIL MEMBER	DATE
COUNCIL MEMBER	DATE
COUNCIL MEMBER	DATE
COUNCIL MEMBER	DATE

OWNER'S STATEMENT

ALL STREETS, RIGHTS-OF-WAY, EASEMENTS AND ANY SITES FOR PUBLIC USE AS NOTED ON THIS PLAT ARE HEREBY DEDICATED TO THE CITY OF PORT WENTWORTH FOR THE USE INTENDED. SUCH DEDICATIONS ARE MORE SPECIFICALLY IN THE DEED THAT ACCOMPANIES THIS PLAT.

(OWNER OR ATTORNEY AS AGENT)

CLOSURE STATEMENT:

PROPERTY CORNERS SHOWN HEREON HAVE A POSITIONAL TOLERANCE OF 0.05 FEET

THIS MAP OR PLAT HAS BEEN CALCULATED FOR CLOSURE AND IS FOUND TO BE ACCURATE WITHIN ONE FOOT IN 866,200 FEET.

EQUIPMENT USED FOR FIELD MEASUREMENTS:
ANGULAR & LINEAR: TRIMBLE S5 & GPS RTK
CHAMPION WRI

SURVEYOR'S CERTIFICATION

AS REQUIRED BY SUBSECTION (D) OF O.C.G.A. SECTION 15-6-67, THIS PLAT HAS BEEN PREPARED BY A LAND SURVEYOR AND APPROVED BY ALL APPLICABLE LOCAL JURISDICTIONS FOR RECORDING AS EVIDENCED BY APPROVAL CERTIFICATES, SIGNATURES, STAMPS, OR STATEMENTS HEREON. SUCH APPROVALS OR AFFIRMATIONS SHOULD BE CONFIRMED WITH THE APPROPRIATE GOVERNMENTAL BODIES BY ANY PURCHASER OR USER OF THIS PLAT AS TO INTENDED USE OF ANY PARCEL. FURTHERMORE, THE UNDERSIGNED LAND SURVEYOR CERTIFIES THAT THIS PLAT COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN THE RULES AND REGULATIONS OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN O.C.G.A. SECTION 15-6-67.

GEORGIA PROFESSIONAL LAND SURVEYOR No. 3395 DAVID E. DOWDY

DAVID E. DOWDY
GA. PROFESSIONAL SURVEYOR No. 3395

100' 50' 0' 50' 100' 200'

GRAPHIC SCALE: 1" = 100'

DATE OF PLAT: JUNE 18, 2021
DATE OF FIELD SURVEY: DECEMBER 16, 2020

JACKSON SURVEYING, INC.
Surveyors and Land Planners
LSF001244

207 ROSE DRIVE
BRUNSWICK, GEORGIA 31520
Ofc. (912) 265-3856
email: info@brunswicksurveyor.com

DWN. BY: D.E.D. CKD. BY: P.J.
DWG. NO.: C0750_06-00-21_J3212 FB. 128, PG. 23

Attachment: Portion of 7-0037-02-004 Parcel 3 Subdivision App Final Plat SEPT 2021 - Plat (2509 : Subdivision Application Parcel 3, Former Broadman Tract Final Plat)

I:\MYCLOUDPRZ1\09 jsi\SI Public\Dwgs\Counties OTHER\Chatham County\Port Wentworth\BOARDMAN TRACT\Boardman Tract_Home2 Suites_Subdivision_J3212.dwg, 8/13/2021 4:09:10 PM, 1:1

Project Timeline

Portion of 7-0037-02-004 Parcel 3 Subdivision App Final Plat

Project Number: 210304

Applicant: Shay Anam ,LLC (Surveyor: Jackson Surveying Inc – David Dowdy)

- 8/9/2021 – Application Received; Incomplete.
- 8/10/2021 – Sent letter to David Dowdy for missing information. Adjacent Property Owners, PDF, 15 copies of plat, fee check
- 8/13/2021 – received PDF, Adjacent Property Owners & Fee Check
- 8/16/2021 – Received 15 copies of plat
- 8/23/2021 – Gave to Plat to Omar for review

Attachment: Portion of 7-0037-02-004 Parcel 3 Subdivision App Final Plat SEPT 2021 - Timeline (2509 : Subdivision Application Parcel 3,

CITY OF PORT WENTWORTH

PLANNING COMMISSION

SEPTEMBER 13, 2021

Via Teleconference GoToMeeting | **Regular Meeting** | **6:30 PM**

7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407

1. CALL MEETING TO ORDER

Chairman CJ Neesmith called the meeting to order.

2. PRAYER AND PLEDGE OF ALLEGIANCE

Commissioner Bright led the Prayer and Pledge of Allegiance.

3. ROLL CALL - SECRETARY

Attendee Name	Title	Status	Arrived
Bill Herrin	Planning Commissioner	Present	
Rufus Bright	Planning Commissioner	Present	
Rosetta Franklin	Planning Commissioner	Present	
Wanda Rollf	Planning Commissioner	Present	
Lauree Morris	Planning Commissioner	Present	
CJ Neesmith	Planning Commissioner	Present	
Gabrielle Nelson	Planning Commissioner	Present	
Brian Harvey	Director of Development Services	Present	
Melanie Ellis	Building Inspector	Present	

4. APPROVAL OF AGENDA

1. Approval of Agenda

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Rosetta Franklin, Planning Commissioner
SECONDER:	Bill Herrin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

5. ADOPTION OF MINUTES

A. Planning Commission - Regular Meeting - Jul 12, 2021 6:30 PM

RESULT:	**ACCEPTED [UNANIMOUS]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Rosetta Franklin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

6. ZONING MAP AMENDMENTS (REZONING)

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2509 : Subdivision Application Parcel 3, Former Broadman Tract Final

A. Zoning Map Amendment Application submitted by Robert L. McCorkle, III., McCorkle, Johnson & McCoy, on behalf of Thomas Lee Exley for PIN # 7-0906-01-012 (Highway 21) to Rezone from R-A (Residential Agriculture) to P-R-M (Planned Residential Multifamily) Zoning District for the purpose of a Multi-Family Apartment Development

The applicant, Robert L. McCorkle III., was present and gave a brief overview of the project and offered to answer any questions the Commission may have. Commissioner Nelson asked if City services would be able to sustain all the new residential development, traffic concerns, and school overcrowding. Mr. McCorkle responded that they do not believe that their project will overburden the City and that this project would bring in more taxes that can assist the City in acquiring more staff to support the new growth. Commissioner Morris agreed with Commissioner Nelson and stated that the Developers should consider the concerns when submitting for site plan development and the reports that are included in those submittals for review by the City engineers.
Public Comments:
-Murray Marshal spoke in favor of the application.
After the public comment section was closed, Commissioner Morris made a motion to approve the application. Commissioner Nelson seconded the motion to approve. The vote was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Lauree Morris, Planning Commissioner
SECONDER:	Gabrielle Nelson, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

B. Zoning Map Amendment Application submitted by Marc Liverman, Atlantic Coast Consulting, Inc., on behalf of Drayton-Parker Companies, LLC., for PIN # 7-0035-01-010 (Highway 21) to Rezone from P-C-3 (Planned General Business) to P-I-1 (Planned Industrial) Zoning District for the purpose of a Truck / Chassis Storage Yard

The applicant, Marc Liverman, and Zach Riddle was present to represent the application. Marc Liverman gave a brief overview of the project and offered to answer any questions the Commission may have. Commissioner Nelson asked that this would be a hub instead of a in / out operation all day. Mr. Liverman responded that was correct and that most of the clients that would use this as an overflow yard and storage. Commissioner Herrin asked what the hours of operation would be. Zach Riddle responded that it should be normal business hours and weekends. Commission Bright asked to verify the location of this project. Commissioner Rollf asked about the flow of traffic of the trucks and how the trucks will be stopped from making left turns out of the driveway. Mr. Riddle responded that in the contract / lease agreement with the users the truck drivers will be required to follow all traffic laws. Commissioner Franklin asked if the trucks would use the road through Amazon parking lot and exit onto Crossgate Road. Mr. Riddle responded that the trucks would not be allowed on that road and that is Amazon only road. Commissioner Morris asked about the traffic flow for trucks making a U-Turn at the red-light at Crossgate Road and if the light timing has been researched. Mr. Liverman responded that in the traffic impact assessment did not show that this facility would impact that light and that any trucks turning left into the facility would use the existing curb cut on Highway 21. There were no public comments. Commissioner Herrin made a motion to approve the application. Commissioner Bright seconded the motion to approve. Commissioners Herrin, Bright, Franklin, Rollf, Nelson voted to approve. Commissioner Morris vote could not be heard due to technical issues.

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2509 : Subdivision Application Parcel 3, Former Broadman Tract Final

RESULT:	**APPROVED [5 TO 0]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Rufus Bright, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Nelson
AWAY:	Morris

7. ZONING TEXT AMENDMENTS (ORDINANCES)

8. SITE PLAN/SUBDIVISION APPROVAL

A. Site Plan Review Application submitted by NGI Acquisitions, LLC., on behalf of Tom Exley for PIN # 7-0907-01-003 (Highway 21) for a General Development Site Plan to allow a Multifamily Apartment Complex (Novare) in a P-RIP (Planned Residential Institutional) Zoning District

Scott Monson and Kenny Bud was present on behalf of the applicant. Mr. Monson gave an overview of the project and offered to answer any questions the Commission may have. Commissioner Herrin expressed traffic concerns on Highway 21 and how the traffic flow for the complex would be handled, what the value / rent would be for the homes, and if there would be a berm between the project and Pine Forest Subdivision. Mr. Monson responded that the entrance / exit would be approved by GDOT and there is a 50-foot vegetative buffer. Kenny Bud responded that the rent currently ranges between $1300-$1800.
Public Comments:
-Per Brian Harvey - Sylvia Hinley 1 Lanvale Street contacted the Development Services Office to inform that she is against the development.
After the public comment section was closed, Commissioner Rollf made a motion to Approved the application. Commissioner Bright seconded the motion to approve. Commissioners Bright, Rollf, Nelson voted Yes. Commissioners Herrin and Franklin voted No. Commissioner Morris vote could not be heard due to technical issues.

RESULT:	**APPROVED [3 TO 2]**
MOVER:	Wanda Rollf, Planning Commissioner
SECONDER:	Rufus Bright, Planning Commissioner
AYES:	Bright, Rollf, Nelson
NAYS:	Herrin, Franklin
AWAY:	Morris

B. Site Plan Review Application submitted by Ray Pittman, Pittman Engineering, on behalf of Third Lake Development, LLC., for PIN # 7-0906-04-091 (Rice Hope Rd) for a General Development Site Plan to allow a Multifamily Development (The Cottages at Rice Hope Plantation) in a M-P-O (Master Plan Overlay) Zoning District

The applicant, Ray Pittman, was present and gave a brief overview of the project and offered to answer any questions the commission may have. Scott DeCain was also present. Commissioner Nelson asked if City services would be able to sustain all the new residential development, traffic concerns, and school overcrowding. Mr. Pittman responded that the when the original master plan was developed all the infrastructure was took into account and that the overall amount of lots would be less than the original master plan allowed. Commissioner Bright asked about additional traffic lights and traffic concerns. Mr. Pittman stated that no traffic lights have been planned with the additional units due to that all of those concerns were addressed in the original master plan. Commissioner Rollf asked what the average number of cars per unit and if there was enough parking provided. Mr. Pittman responded that for this development there is a minimum of two parking spaces per unit. Commissioner Morris liked that this concept plan showed several areas of greenspace, and she believes the development will be very

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2509 : Subdivision Application Parcel 3, Former Broadman Tract Final

nice. Commissioner Rollf asked why these homes are for rent instead of building homes for purchase. Scott DeCain responded the Rice Hope community does have for-sale homes in future development plans.
Public Comments:
-Christine Stewart, 504 Rice Hope Plantation Road, spoke against the application due to traffic concerns and trash services.
-Madeline Quinones, 114 Parkside Blvd, spoke against the application due to traffic concerns, on-street parking, and emergency vehicle access.
-Cortrice Jackson, 305 Lakeside Blvd, spoke against the application due traffic, trash, internet capabilities.
-Gary Conway, 403 Lakeside Blvd, asked where the entrance for the plan was located.
After the public comment section was closed, Commissioner Bright made a motion to approve the application. Commissioner Rollf seconded the motion to approve. Commissioners Herrin, Bright, Franklin, Rollf, Nelson voted to approve. Commissioner Morris vote could not be heard due to technical issues.

RESULT:	**APPROVED [5 TO 0]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Wanda Rollf, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Nelson
AWAY:	Morris

C. Site Plan Review Application submitted by D.R. Horton on behalf of Bald Eagle Partners for PIN #'s 7-0906-04-041, 7-0906-04-042, 7-0906-04-054, 7-0906-04-063 (Lakeside Blvd) for a General Development Site Plan to allow a Residential Development (Lakeside Phases 20-30) in a M-P-O (Master Plan Overlay) Zoning District

Garrison Bryant was present on behalf of the applicant. Mr. Bryant gave a brief overview of the project and offered to answer any questions the commission may have. Commissioner Nelson asked to confirm that these homes were for purchase and not for rent. Chairman Neesmith stated that yes, they were for-sale homes. Commissioner Bright asked where these were located and if they were 3- or 4-bedroom homes. Mr. Bryant responded that they were off of Lakeside Blvd and there would be a variety of types of homes and that the majority would be for-sale and a small percentage would be for-rent.
Public Comments:
-Alfonso Ribot, 17 Wild Silk Way, asked if the HOA would be the same for the new development as the rest of Rice Hope. Mr. Decain responded that it has not been determined yet.
-Ponda Showalter, 313 Lakeside Blvd, asked what the traffic flow for the construction would be. Mr. Decain responded that he is not responsible for the construction traffic.
-Gary Conway, 403 Lakeside Blvd, asked if there would be any other access points other than Lakeside Blvd and Mulberry Blvd. Mr. DeCain responded no.
-Madeline Quinones, 114 Parkside Blvd, asked how many rentals and how many for-sale. Mr. DeCain responded about 25% for-rent and 75% for-sale.
After the public comment section was closed, Commissioner Bright voted to approve the application. Commissioner Morris seconded the motion to approve. The vote to approve was unanimous.

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2509 : Subdivision Application Parcel 3, Former Broadman Tract Final

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Lauree Morris, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

D. Site Plan Review Application submitted by Neil McKenzie, Coleman Company Inc., of behalf of LMS Real Estate Investment Management, LLC., for PIN # 7-0975-01-025 Tract B (Highway 21 / Jeffers Rd) for a Specific Development Site Plan to allow a Multi-Family Residential Development (LMS Cottages) in a P-R-M (Planned Residential Multifamily) Zoning District

The applicant, Neil McKenzie, was present. Mr. McKenzie gave an overview of the project and offered to answer any questions the Commission may have. Commissioner Bright asked which residents that they talked to about the project. Mr. McKenzie responded that there were two neighborhood meetings at the City Hall Council Chambers and both meetings were well attended. Commissioner Nelson asked about the Saussy Road improvements. Mr. McKenzie responded that the Developers would rebuild and widen Saussy Road up to the entrance of the development, which would include a dedicated right and left turn lane, and then they would mill and overlay Saussy Road up to Grant Road.
Public Comments:
-LaRay Benton, 135 Saussy Road, spoke against the applicant, stating stormwater and flooding concerns.
After the public comment section was closed, Commissioner Herrin made a motion to approve. Commissioner Rollf seconded the motion to approve. The vote to approve was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Wanda Rollf, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

E. Subdivision Application submitted by David Dowdy, Jackson Surveying, Inc., on behalf of Shay Anam, LLC., for a portion of PIN # 7-0037-02-004 (Magellan Blvd) located in a P-C-3 (Planned General Business) Zoning District for a Final Plat of a Minor Subdivision (Parcel 3, Former Broadman Tract) for the purpose of a Hotel Development

No one was present for the application. There were no public comments.
Commissioner Franklin made a motion to approve. Commissioner Nelson seconded the motion to approve. The vote was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rosetta Franklin, Planning Commissioner
SECONDER:	Gabrielle Nelson, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

F. Subdivision Application submitted by Ray Pittman, Pittman Engineering, Co., on behalf of Bald Eagle Partners for PIN # 7-0906-04-069 (Hickory Street) located in a M-P-O (Master Plan Overlay) Zoning District for a Preliminary Plat of a Major Subdivision (Parkside at Rice Hope Phases B & C) for the purpose of Single-Family Homes

The applicant, Ray Pittman, was present. Mr. Pittman gave a brief overview of the project and offered to answer any questions the Commission may have. There were no questions from the Commission.
Public Comments:

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2509 : Subdivision Application Parcel 3, Former Broadman Tract Final

-Madeline Quinones, 114 Parkside Blvd, asked who the builder was for these homes and spoke against the application. Mr. Pittman responded that he was not sure of who the builder was.
After the public comment section was closed, Commissioner Bright made a motion to approve the application. Commissioner Morris seconded the motion to approve. The vote to approve was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Lauree Morris, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

9. NEW BUSINESS

10. ADJOURNMENT

A. Adjournment

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Bill Herrin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

_____
Chairman

The foregoing minutes are true and correct and approved by me on this _____ day of _____, 2021.

_____
Secretary

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2509 : Subdivision Application Parcel 3, Former Broadman Tract Final

City Council
7224 GA Highway 21
Port Wentworth, GA 31407

SCHEDULED

Meeting: 09/23/21 12:00 AM
Department: Police Department
Category: Ordinance
Prepared By: Matt Libby
Department Head: Matt Libby

AGENDA ITEM (ID # 2514)

DOC ID: 2514

Update to City Ordinance Sec. 13-7. - Stop intersections

Issue/Item: Update to City Ordinance Sec. 13-7. - Stop intersections

Background: The City has experienced major growth in the past few years and have added many new streets. The City needs to update the stop sign ordinance to include those new streets and stop signs.

Facts and Findings: The ordinance has not been updated since September of 2015.

Alternatives: N/A

Funding: N/A

Recommendation: To approve the updating of this ordinance to add the new streets and stop signs.

ATTACHMENTS:

- Stop Sign Ord. I (PDF)

Sec. 13-7. - Stop intersections.
The following intersections are designated stop intersections, and all vehicles are required to stop at the entrance to such intersection as indicated:

City of Port Wentworth Stop Sign Intersections

Street Name	At	Street Name
Aberfeldy St.	At	Dorset Rd.
Aberfeldy St.	At	Crossgate Rd.
Aberfeldy St.	At	Barnsley Rd.
Aberfeldy St.	At	S. Coastal Hwy.
Aberfeldy St.	At	Armadale Rd.
Akin Dr.	At	Falkirk St.
Akin Dr.	At	Dixie St
Allen Brook Dr.	At	Lake Shore Blvd.
Amber Dr.	At	Meinhard Rd.
Amber Dr.	At	Roseberry Cir.
Antrim St.	At	N. Coastal Hwy.
Antrim St.	At	Coldstream Rd.
Antrim St.	At	Bonnybridge Rd.
Antrim St.	At	Appleby Rd.
Appleby Rd. (South End)	At	N. Coastal Hwy.
Appleby Rd.	At	Bonnybridge Rd.
Appleby Rd. (North End)	At	N. Coastal Hwy.
Armadale Rd	At	Cantyre St.
Armadale Rd	At	S. Coastal Hwy.
Armadale Rd	At	Phillips Avenue
Barnsley Rd.	At	Cantyre St.
Barnsley Rd.	At	S. Coastal Hwy.
Barnsley Rd.	At	Commonwealth Ave.
Barnsley Rd.	At	Phillips Ave.
Barnsley Rd.	At	Clifton Dr.
Bayberry Rd.	At	Hwy21
Bayberry Rd.	At	Magnolia Blvd
Beacon Ln.	At	Stemson Way
Beacon Ln.	At	Tiller Way
Bearing Cir. (West End)	At	Transom Rd.
Bearing Cir. (East End)	At	Transom Rd.
Berrien Rd.	At	Hwy21
Binnacle Ln.	At	Hawser Way
Binnacle Ln.	At	Newport Blvd
Binnacle Ln.	At	Cordage Cir.
Birch Cir.	At	Parkside Blvd
Birch Cir.	At	Crabapple Cir.
Birkenhead Rd.	At	Dorset Rd.
Birkenhead Rd.	At	S. Coastal Hwy.
Birkenhead Rd.	At	Barnsley Rd.
Birkenhead Rd.	At	Armadale Rd.

Attachment: Stop Sign Ord. I (2514 : Update to City Ordinance Sec. 13-7. - Stop intersections)

Black Creek Dr.	At	Coldbrook Station Rd.
Black Creek Dr.	At	Lanvale St.
Blackberry Ln.	At	Sandy Point Way
Blackberry Ln.	At	Lake Shore Blvd.
Bonnybridge Rd.	At	N. Coastal Hwy.
Bonnybridge Rd.	At	Hwy21
Braxton Manor Dr.	At	Meinhard Rd.
Brown Thrasher Ct.	At	Lake Shore Blvd.
Burnt Oak Rd.	At	Old Mill Rd.
Burnt Oak Rd.	At	Rice Creek Rd.
Burnt Oak Rd.	At	Marsh Salt Ln.
Cabot St.	At	Hwy 21
Cabot St.	At	Magellan Blvd.
Camber Cross	At	Gimbal Cir.
Camber Cross	At	Gimbal Cir.
Cantyre St.	At	Dorset Rd.
Cantyre St.	At	Crossgate Rd.
Cantyre St.	At	Coleraine Dr.
Cardinal Ct.	At	Brown Thrasher Ct.
Cherry St.	At	Crabapple Cir.
Chestnut Cir. (East End)	At	Fox Glen Ct.
Chestnut Cir. (West End)	At	Fox Glen Ct.
Chiswick St.	At	Bonnybridge Rd.
Chiswick St.	At	Appleby Rd.
Clearwater Cir.	At	Flat Rock Trace
Clearwater Cir.	At	Moonlight Trail
Clifton Blvd.	At	Gulfstream Rd.
Clifton Dr.	At	Crossgate Rd.
Clifton Dr.	At	Armadale Rd.
Cold Creek Pass	At	Lakeside Blvd.
3-Cold Creek Loop	At	Cold Creek Pass
Coldbrook Station Circle	At	Coldbrook Station Rd.
Coldbrook Station Rd.	At	Traveler's Way
Coldbrook Station Rd.	At	Coldbrook Station Circle
Coldbrook Station Rd.	At	Coldbrook Station Rd.
Coldstream Rd.	At	N. Coastal Hwy.
Coldstream Rd.	At	Appleby Rd.
Coleraine Dr.	At	S. Coastal Hwy.
Commonwealth Ave.	At	Dorset Rd.
Commonwealth Ave.	At	Crossgate Rd.
Commonwealth Ave.	At	Barnsley Rd.
Commonwealth Ave.	At	S. Coastal Hwy.
Cook St.	At	Hwy21
Cook St.	At	Magellan Blvd.

Attachment: Stop Sign Ord. I (2514 : Update to City Ordinance Sec. 13-7. - Stop intersections)

Copperleaf Ct.	At	Lake Shore Blvd.
Cordage Cir. (North End)	At	Newport Blvd.
Cordage Cir.	At	Hawser Way
Cordage Cir. (South End)	At	Newport Blvd.
Coronedo Lane	At	Burnt Oak Rd.
Coronedo Lane	At	Marsh Salt Ln.
Corsair Cir.	At	Stemson Way
Corsair Cir.	At	Tiller Way
2-Crabapple Cir. {North End)	At	Parkside Blvd
2-Crabapple Cir. {South End)	At	Parkside Blvd
2-Crabapple Cir. {West End)	At	Hickory St.
2-Crabapple Cir. {East End)	At	Hickory St.
Cypress Loop	At	Crabapple Cir.
Crossgate Rd.	At	Hwy21
Crossgate Rd.	At	S. Coastal Hwy.
Crutcher St.	At	Cantyre St.
Crutcher St.	At	Rowan Pl.
Cutlass Ct.	At	Stemson Way
Darlington St.	At	Appleby Rd.
Dixie St.	At	Dorset Rd.
Dixie St.	At	Crossgate Rd.
Dixie St.	At	Barnsley Rd.
Dogwood Cir.	At	Hickory St.
Dogwood Cir. {North End)	At	Parkside Blvd
Dogwood Cir.	At	Birch Cir.
Dogwood Cir.	At	Cherry St.
Dogwood Cir. (South End)	At	Parkside Blvd
Dorset Rd.	At	S. Coastal Hwy.
Dorset Rd.	At	Phillips Ave.
Drakie Ct.	At	Rice Mill Rd.
Emd Blvd.	At	Oleary Rd.
Evora St.	At	Crossgate Rd.
Evora St.	At	Dorset Rd.
Falkirk St.	At	Dorset Rd.
Falkirk St.	At	Crossgate Rd.
Falkirk St.	At	Barnsley Rd.
Ferguson Rd.	At	Monteith Rd.
Fitzwater Rd.	At	Rice Creek Rd.
Fitzwater Rd.	At	Huntington Rd.
Flat Rock Trc.	At	Lakeside Blvd.
Flat Rock Trc.	At	Moonlight Trail
Flannel Ave.	At	Sonny Dixon Interchange
Fox Glen Ct.	At	Lake Shore Blvd.
Fox Glen Ct.	At	Laurel Ln.

Galley Ln.	At	Beacon Ln.
Galley Ln.	At	Tiller Way
GimbalCir.	At	GimbalCir.
Goose Neck Ct.	At	Old Mill Rd.
Goose Neck Rd.	At	Old Mill Rd.
Goose Neck Rd.	At	Noble Jones Ct.
Gordon St.	At	Crossgate Rd.
Gordon St.	At	Dorset Rd.
Grange Rd.	At	S. Coastal Hwy.
Grange Rd.	At	Hwy21
Grant Rd.	At	Saussy Rd.
Gulfstream Rd.	At	Hwy21
Halyard Dr.	At	Hawser Way
Halyard Dr.	At	Newport Blvd.
Halyard Dr.	At	Cordage Cir.
Hasty Point Rd.	At	N/A
Hawser way	At	Newport Blvd.
Hawser way	At	Gimbal Cir.
Hawser way	At	StemsonWay
Hendley Rd.	At	Hwy21
Hendley Rd.	At	Monteith Rd.
Heritage Rd.	At	Burnt Oak Rd.
Heritage Rd.	At	Miller Park Cir.
Hickory St. (East End)	At	Parkside Blvd
Hickory St. (West End)	At	Parkside Blvd
Hickory St.	At	Crabapple Cir.
Hodgeville Rd.	At	Hwy30
Holly Spring Cir.	At	Holly Spring Cir.
Holly St.	At	Bonnybridge Rd.
Holly St.	At	Warren Dr.
Horne PL.	At	Coleraine Dr.
Huntington Rd.	At	Burnt Oak Rd.
Huntington Rd.	At	Miller Park Cir.
Huntington Rd.	At	Miller Pond Rd.
Hwy21	At	Rice Mill Rd.
Hwy21	At	Market Blvd.
Hwy21	At	Hwy30
Hwy21	At	Piedmont Ave.
Hwy21	At	1-95 SB On Ramp
Hwy21	At	1-95 SB Off Ramp
Hwy21	At	1-95 NB Off Ramp
Hwy21	At	O'Leary Rd.
Hwy21	At	International Trade Pkwy
Hwy21	At	Sonny Dixon Interchange

Attachment: Stop Sign Ord. I (2514 : Update to City Ordinance Sec. 13-7. - Stop intersections)

Hwy21	At	Bonnybridge Rd.
Hwy21	At	Crossgate Rd.
Hwy21	At	Gulfstream Rd.
Hwy21	At	Bourne Ave.
Hwy30	At	Hwy21
1-95 SB Off Ramp	At	Hwy21
1-95 NB Off Ramp	At	HI.VY 21
Jeffers Rd.	At	Hwy21
Jimmy Ford	At	Dorset Rd.
Keller Rd.	At	Hwy30
Kissimee Terrace	At	5. Coastal Hwy.
Kissimee Terrace	At	Barnsley Rd.
Lafayette Ct.	At	Burnt Oak Rd.
Lagan Ln.	At	Stemson Way
Lagan Ln.	At	Tiller Way
Lake Shore Blvd	At	Meinhard Rd.
Lakeside Blvd.	At	Hwy21
Lakeside Blvd.	At	Lakeside Dr.
Lakeside Dr.	At	N/A
Lanvale St.	At	Black Creek Dr.
Lanvale St.	At	Providence Dr.
Laurel Ln.	At	Meinhard Rd.
Laurel Ln.	At	Lake Shore Blvd.
Laurel Ridge Ct.	At	Laurel Ln.
Magellan Blvd.	At	Hwy30
Magnolia Blvd	At	Lakeside Blvd.
Mangrove Tri.	At	Rice Creek Rd.
Mangrove Tri.	At	Lafayette Ct.
Maple St.	At	Lakeside Blvd.
Maple St.	At	Dogwood Cir.
Market Blvd	At	Hwy21
Marsh Salt Ln	At	Burnt Oak Rd.
Meinhard Rd.	At	Hwy30
Mill Crossing	At	Springwater Dr.
Mill Crossing	At	Raintree Way
Miller Park Cir.	At	Huntington Rd.
Miller Pond Rd.	At	Miller Park Cir.
Miller Pond Rd.	At	Hasty Point Rd.
Millie Cir.	At	Millie Ln.
Millie Ln. {West End)	At	Braxton Manor Dr.
Millie Ln. {East End)	At	Braxton Manor Dr.
Milsbury Ln. {West End)	At	Braxton Manor Dr.
Milsbury Ln. {East end)	At	Braxton Manor Dr.
Mincey Blvd.	At	Gulfstream Rd.

Miriam Jordan Rd.	At	Hasty Point Rd.
Miriam Jordan Rd.	At	Huntington Rd.
Monteith Rd.	At	N/A
Moonlight Tr.	At	Lakeside Dr.
Moore Dr.	At	Hwy21
Morgan Dr.	At	Warren Dr.
Mossy Oak Cove (West End)	At	Moonlight Trail
Mossy Oak Cove (East End)	At	Moonlight Trail
Mulberry Ave.	At	N/A
Mulberry Blvd.	At	Weavers Way
Myrtle Dr.	At	Grange Rd.
N. Coastal Hwy	At	N/A
Newport Blvd	At	Hwy30
Newport Blvd	At	Stemson Way
Newport Blvd	At	Magellan Blvd.
Night Heron Way	At	Lakeside Dr.
Night Heron Way	At	Moonlight Trail
Noble Jones Ct.	At	N/A
Oak Grove Ct.	At	Rice Mill Rd.
Old Hwy21	At	Rice Hope Plantation Rd.
Old Mill Rd.	At	Goose Neck Ct.
Old Mill Rd.	At	Goose Neck Rd.
Old Mill Rd.	At	Twelve Oaks Rd.
O'Leary Rd	At	Hwy21
Osteen St.	At	Crossgate Rd.
Osteen St.	At	Barnsley Rd.
Osteen St.	At	Armadale Rd.
Parkside Blvd	At	Parkside Blvd
Peppermill Ct.	At	Allen Brook Ddr.
Phillips Ave.	At	Crossgate Rd.
Phillips Ave.	At	Barnsley Rd.
Phillips Ave.	At	S. Coastal Hwy.
Piedmont Ave.	At	Hwy21
Pinder Point Rd.	At	Hwy21
Pinehurst Pl.	At	S. Coastal Hwy.
Pinehurst Pl.	At	Armadale Rd.
Pinehurst Pl.	At	Coleraine Dr.
Pleasant Ave.	At	Hwy21
Ponderosa Dr.	At	hwy21
Ponderosa Dr.	At	Black Creek Dr.
Punkin Bridge Rd.	At	Meinhard Rd.
Raintree Way	At	Springwater Dr.
Raley Rd.	At	O'Leary Rd.
Raley Rd.	At	Skeet Way

Red Robin Ct.	At	Lake Shore Blvd.
Red Robin Ct.	At	Roseberry Cir.
Rice Creek Rd.	At	Hwy21
Rice Hope Plantation Rd.	At	Hwy21
Rice Mill Rd.	At	Hwy21
Rice Mill Rd.	At	Hasty Point Rd.
Roseberry Cir.	At	Amber Dr.
Roseberry Cir.	At	Red Robing Ct.
Rostrum Ln.	At	Newport Blvd
Rostrum Ln.	At	Hawser Way
Rowan Pl.	At	Coleraine Dr.
S. Coastal Hwy	At	Crossgate Rd.
Sandy Point Way	At	Laurel Ln.
Sandy Point Way	At	Allen Brook Ddr.
Sandy Shoals Pass	At	Clearewater Cir.
Sandy Shoals Pass	At	Moonlight Trail
Saussy Rd.	At	Hwy21
Scott St.	At	Hwy21
Scott St.	At	Magellan Blvd.
Skeet Way	At	Hwy21
Sonny Dixon Interchange	At	Flannel Ave.
Sonny Dixon Interchange	At	Hwy21
Springwater Dr.	At	Springwater Dr.
Stemson Way	At	Corsair Cir.
Stemson Way	At	Lagan Ln.
Stemson Way	At	Newport Blvd
Stemson Way	At	Bearing Cir.
Sunnydale In.	At	Fox Glen Ct.
Tiller Ct.	At	Tliier Way
Tliier Way	At	Beacon Ln.
Transom Rd.	At	Newport Blvd.
Traveler's Way	At	Hwy21
Treadway St.	At	Black Creek Dr.
Treadway St.	At	Providence Dr.
Turnberry St.	At	Dorset Rd.
Turnberry St.	At	Crossgate Rd.
Turnberry St.	At	Barnsley Rd.
Turnberry St.	At	S. Coastal Hwy.
Turnberry St.	At	Armadale Rd.
Turnberry St.	At	Coleraine Dr.
Twelve Oaks Rd.	At	Miller Park Cir.
Twelve Oaks Rd.	At	Burnt Oak Rd.
Warren Dr. (West End)	At	Bonnybridge Rd.
Warren Dr. (East End)	At	Bonnybridge Rd.

Wild Silk Way	At	Weavers Way
Windcrest Ct.	At	Lake Shore Blvd.

BY: OMAR SENATI-MARTINEZ

9/15/2021

Attachment: Stop Sign Ord. I (2514 : Update to City Ordinance Sec. 13-7. - Stop intersections)

City Council
7224 GA Highway 21
Port Wentworth, GA 31407

SCHEDULED

Meeting: 09/23/21 12:00 AM
Department: Development Services
Category: Planning/Zoning Item
Prepared By: Melanie Ellis
Department Head: Brian Harvey

AGENDA ITEM (ID # 2513)

DOC ID: 2513

Zoning Map Amendment Application submitted by Robert L. McCorkle, III., McCorkle, Johnson & McCoy, on behalf of Thomas Lee Exley for PIN # 7-0906-01-012 (Highway 21) to Rezone from R-A (Residential Agriculture) to P-R-M (Planned Residential Multifamily) Zoning District for the purpose of a Multi-Family Apartment Development

Issue/Item: Zoning Map Amendment Application submitted by Robert L. McCorkle, III., McCorkle, Johnson & McCoy, on behalf of Thomas Lee Exley for PIN # 7-0906-01-012 (Highway 21) to Rezone from R-A (Residential Agriculture) to P-R-M (Planned Residential Multifamily) Zoning District for the purpose of a Multi-Family Apartment Development

Background: The subject property is currently vacant woodland. There are no buildings or structures on the subject property.

Facts and Findings: The total amount of property to be rezoned is 5.13 acres. The applicant is requesting to rezone the property to P-R-M (Planned Residential Multifamily) to develop an Apartment Complex. The concept layout of the proposed plan includes ten (10) buildings with two hundred forty (240) units. The project will also include associated parking, drainage, and water and sewer utilities. The proposed main entrance is on Rice Creek Road with a secondary right in / right out access on Highway 21.

Funding: N/A

Recommendation: The Planning Commission will hear this application on Monday, September 13, 2021 at 6:30 PM. **/ UPDATE: THE PLANNING COMMISSION VOTED UNANIMOUSLY TO APPROVE THE APPLICATION.**

ATTACHMENTS:

- 7-0906-01-012 HWY 21 EXLEY ZMA SEPT 2021 - Application (PDF)
- 7-0906-01-012 HWY 21 EXLEY ZMA SEPT 2021 - Plat (PDF)
- 7-0906-01-012 HWY 21 EXLEY ZMA SEPT 2021 - Concept Plan (PDF)
- 7-0906-01-012 HWY 21 EXLEY ZMA SEPT 2021 - Timeline (PDF)
- Rezoning Questions from Ordinances (PDF)
- Planning Commission Minutes September 13, 2021 DRAFT (PDF)

210307

RECEIVED AUG 16 2021 BY: MGE

APPLICATION TO AMEND THE ZONING MAP OF PORT WENTWORTH, GEORGIA

Name of Applicant: Robert L. McCorkle, III, McCorkle, Johnson & McCoy Phone #: (912)232-6000

Mailing Address: 319 Tattnall Street Savannah, Georgia 31401

Name of Property Owner: Thomas Lee Exley Phone #: (912)658-1625
(Use back if more than one owner)

Address of Property: 0 Highway 21

PIN #: 70906 01012 Number of Acres: 5.13

Zoning Classification: Present R-A Requested PRM
Use of Property: Present Tower Site Requested Multi family apartments

X If the requested change is to extend an existing adjacent zoning district to include this property, explain below why the proposed change should be made.

_____ If the requested change is not to extend an adjacent zoning district, explain below why this property should be placed in a different zoning district than all adjoining properties. (How does it differ from adjoining properties and why should it be subject to different restrictions than those applying to adjoining properties?)

The subject property is surrounded by PRM on 3 sides. Extending the adjacent PRM zoning onto the subject property will allow for the development of a 240 unit apartment complex on the subject property and PIN 70906 01018.

Attach the following documents:

1. Written legal description of the property (e.g. copy of deed) – full metes and bounds description rather than plat reference.
2. Name, PIN #, property address and mailing address of owners of all properties within 250 feet of this property.
3. Plat showing property lines with lengths and bearings, adjoining streets, locations of existing buildings, north arrow and scale. **Submit fifteen (15) copies of the plat in 11"x17" or larger and one copy in 8.5"x11".**
4. Site Plan of proposed use of property. **Submit fifteen (15) copies in 11"x17" or larger and one copy in 8.5"x11"**
5. Disclosure of Campaign Contributions and Gifts form.
6. Disclosure of Financial Interests form.
7. If property owner and applicant are not the same, Authorization by Property Owner form or Authorization of Attorney form.
8. Filing fee of $356 + $50 per acre + $50 Administrative Fee, payable to the City of Port Wentworth.

APPLICATION MUST BE FILED 20 BUSINESS DAYS PRIOR TO THE PLANNING COMMISSION MEETING AT WHICH THEY ARE TO BE CONSIDERED.

I hereby authorize the staff of the City of Port Wentworth to inspect the premises of the above described property and to post this property with the duly required notices. I hereby depose and say that all statements herein and attached statements submitted are true and correct to the best of my knowledge and belief.

Sworn to and subscribed before me this 16th day of August, 2021.

Notary Public

EMILY E. BROGDON NOTARY PUBLIC CHATHAM COUNTY GEORGIA EXPIRES 4/23/2025

Signature of Applicant

Attachment: 7-0906-01-012 HWY 21 EXLEY ZMA SEPT 2021 - Application (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)

DISCLOSURE OF FINANCIAL INTERESTS

(Required by Title 36, Chapter 67A, Official Code of Georgia Annotated)

Reference: Application filed on _____, 20_____, to rezone real property described as follows:

The undersigned official of the City of Port Wentworth has a property interest (Note 1) in said property as follows:

The undersigned official of the City of Port Wentworth has financial interest (Note 2) in a business entity (Note 3) which has property interest in said property, which financial interest is as follows:

The undersigned official of the City of Port Wentworth has a member of the family (Note 4) having a property interest in said property or a financial interest in a business entity which has a property interest in said property, which family member and property interest or financial interest are as follows:

Note 1: Property Interest – Direct ownership of real property, including any percentage of ownership less than total ownership
Note 2: Financial Interest – All direct ownership interests of the total assets or capital stock of a business entity where such ownership interest is 10 percent or more
Note 3: Business Entity – Corporation, partnership, limited partnership, firm, enterprise, franchise, association or trust
Note 4: Member of the family – Spouse, mother, father, brother, sister, son or daughter

I hereby depose and say that all statements herein are true, correct and complete to the best of my knowledge and belief.

Sworn to and subscribed before me this
16th day of August, 2021

Signature of Official

Notary Public

EMILY E. BROGDON NOTARY PUBLIC CHATHAM COUNTY GEORGIA EXPIRES 4/29/2025

Attachment: 7-0906-01-012 HWY 21 EXLEY ZMA SEPT 2021 - Application (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)

AUTHORIZATION OF PROPERTY OWNER

Application for Rezoning or Variance

I swear that I am the owner of the property which is the subject matter of the attached application, as is shown in the records of Port Wentworth, Georgia.

I authorize the person named below to act as applicant in the pursuit of a variance or for the rezoning of this property.

Name of Applicant: Robert L. McCorkle

Address: 319 Tattnall Street

Savannah, GA 31401

Telephone Number: (912) 232-6000

Thomas L Exley

Signature of Owner

Personally appeared before me

Thomas L Exley

who swears that the information contained in this authorization is true and correct to the best of his or her knowledge and belief.

Elizabeth W. Rose

Notary Public

August 12, 2021

Date

ELIZABETH W ROSE NOTARY PUBLIC Comm. Exp. 04/22/25 LIBERTY COUNTY, GA

Attachment: 7-0906-01-012 HWY 21 EXLEY ZMA SEPT 2021 - Application (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)

DISCLOSURE OF CAMPAIGN CONTRIBUTIONS

(Required by Title 36, Chapter 67A, Official Code of Georgia Annotated)

Reference: Application filed on August 16, 2021, to rezone real property described as follows:

ALL that certain tract or parcel of land situate, lying and being in the 8th G.M. District, City of Port Wentworth, Chatham County, Georgia being described as follows: Beginning at a point on the eastern side of Georgia Highway 21 R/W bearing Lat: 32.22700 and Lon: 81.19466 (the "Point of Beginning"); running thence N78°50' 46"W a distance of 872.28 feet to a point; thence running N11°09'02"E a distance of 450 feet to a point; thence running S78°50'46"E a distance of 450 feet to a point; thence running S11°09'04"W a distance of 400 feet to a point; thence running S78°50'48"E a distance of 417.36 feet to a point on the eastern right of way line of Georgia Highway 21; thence S05°32'12"W a distance of 50.24 feet to the Point of Beginning. Said property being designated as PARCEL NO. 9, shown upon that certain plat prepared by Ward Edwards, Inc., dated September 22, 2006, recorded September 25, 2006 in Plat Record Book 34-P, at Page 73, in the Office of the Clerk of the Superior Court of Chatham County, Georgia, entitled "Boundary Survey, 255.16 Acres, Portion of the Thomas L. Exley Property, Surveyed for Fred Williams Realty, 8th G.M. District, Port Wentworth, Chatham County, Georgia.

Within the two years preceding the above filing date, the applicant has made campaign contributions aggregating $250.00 or more to each member of the City Council of the City of Port Wentworth who will consider the application and is listed below. List (1) the name and official position of the local government official and (2) the dollar amount, description and date of each such campaign contribution.

None.

I hereby depose and say that all statements herein are true, correct and complete to the best of my knowledge and belief.

Sworn to and subscribed before me this

16th day of August, 2021

Notary Public

EMILY E. BROGDON NOTARY PUBLIC CHATHAM COUNTY GEORGIA EXPIRES 4/29/2025

Signature of Applicant

Attachment: 7-0906-01-012 HWY 21 EXLEY ZMA SEPT 2021 - Application (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)

Legal Description

ALL that certain tract or parcel of land situate, lying and being in the 8th G.M. District, City of Port Wentworth, Chatham County, Georgia being described as follows: Beginning at a point on the eastern side of Georgia Highway 21 R/W bearing Lat: 32.22700 and Lon: 81.19466 (the "Point of Beginning"); running thence N78°50' 46"W a distance of 872.28 feet to a point; thence running N11°09'02"E a distance of 450 feet to a point; thence running S78°50'46"E a distance of 450 feet to a point; thence running S11°09'04"W a distance of 400 feet to a point; thence running S78°50'48"E a distance of 417.36 feet to a point on the eastern right of way line of Georgia Highway 21; thence S05°32'12"W a distance of 50.24 feet to the Point of Beginning. Said property being designated as PARCEL NO. 9, shown upon that certain plat prepared by Ward Edwards, Inc., dated September 22, 2006, recorded September 25, 2006 in Plat Record Book 34-P, at Page 73, in the Office of the Clerk of the Superior Court of Chatham County, Georgia, entitled "Boundary Survey, 255.16 Acres, Portion of the Thomas L. Exley Property, Surveyed for Fred Williams Realty, 8th G.M. District, Port Wentworth, Chatham County, Georgia.

Attachment: 7-0906-01-012 HWY 21 EXLEY ZMA SEPT 2021 - Application (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)

CITY OF PORT WENTWORTH
(912) 964-4379

REC#: 00324152 8/19/2021 3:08 PM
OPER: ME TERM: 011
REF#: CK 2511

TRAN: 112.0000 BLDG PERMIT
210307 662.50CR
EXLEY, THOMAS
7-0906-01-012
DEV-ZMA 662.50CR

TENDERED: 662.50 CHECK
APPLIED: 662.50-

CHANGE: 0.00

WWW.CITYOFPORTWENTWORTH.COM

Attachment: 7-0906-01-012 HWY 21 EXLEY ZMA SEPT 2021 - Application (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)

Adjacent Property Owners Within 250 Feet

Quentin Foster, Sr.
PIN: 70906 01008
Property Address: Highway 21,
Port Wentworth, Georgia 31407
Mailing Address: 127 Bridge View Drive,
Marietta, Georgia 30066

City of Port Wentworth
PIN: 70906 01009
Property Address: Highway 21,
Port Wentworth, Georgia 31407
Mailing Address: 305 S. Coastal Hwy,
Port Wentworth, Georgia 31407

Carolina Self Storage Centers, Inc.
PIN: 70906 01014
Property Address: 7975 Highway 21,
Port Wentworth, Georgia 31407
Mailing Address: 1476 Jefferies Hwy,
Walterboro, South Carolina 29488

Armando M. Sanches and Johana E. Insaurralde
PIN: 70906C05041
Property & Mailing Address: 10 Burnt Oak Road,
Port Wentworth, Georgia 31407

William Holden, Jr.
PIN: 70906C07011
Property & Mailing Address: 13 Burnt Oak Road, Port Wentworth, Georgia 31407

Darren C. Clay
PIN: 70906C07010
Property & Mailing Address: 15 Burnt Oak Road, Port Wentworth, Georgia 31407

Carolyn Eiland
PIN: 70906C07009
Property & Mailing Address: 17 Burnt Oak Road, Port Wentworth, Georgia 31407

James R. & Britany Jane Burrell
PIN: 70906C07008
Property & Mailing Address: 19 Burnt Oak Road, Port Wentworth, Georgia 31407

James G. & LaShuanda N. Hudson
PIN: 70906C05042
Property & Mailing Address: 12 Burnt Oak Road, Port Wentworth, Georgia 31407

Bridgett Bernadett Levine
PIN: 70906C05043
Property & Mailing Address: 14 Burnt Oak Road, Port Wentworth, Georgia 31407

Sonna R. Vanover
PIN: 70906C05044
Property & Mailing Address: 16 Burnt Oak Road, Port Wentworth, Georgia 31407

Karm D. Sourabie & Sherrell L. Adkins
PIN: 70906C05045
Property & Mailing Address: 18 Burnt Oak Road, Port Wentworth, Georgia 31407

John I. Farrell
PIN: 70906C05046
Property & Mailing Address: 20 Burnt Oak Road, Port Wentworth, Georgia 31407

Willie Warren Durdley II & Sheilla A. Durdley
PIN: 70906C05047
Property & Mailing Address: 22 Burnt Oak Road, Port Wentworth, Georgia 31407

American Homes 4 Rent Properties Eight LLC
PIN: 70906C05048
Property Address: 24 Burnt Oak Road,
Port Wentworth, Georgia 31407
Mailing Address: 23975 Park Sorrento,
Suite 300, Calabasas, California 91302

Attachment: 7-0906-01-012 HWY 21 EXLEY ZMA SEPT 2021 - Application (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)

Earline E. Mason
PIN: 70906C06001
Property & Mailing Address: 2 Twelve Oaks Road, Port Wentworth, Georgia 31407

Ahmad J. Castle
PIN: 70906C06002
Property & Mailing Address: 4 Twelve Oaks Road, Port Wentworth, Georgia 31407

Daniel Rivera
PIN: 70906C06011
Property & Mailing Address: 3 Huntington Road, Port Wentworth, Georgia 31407

Linda Manies
PIN: 70906C06010
Property & Mailing Address: 1 Huntington Road, Port Wentworth, Georgia 31407

Rashida M. Sharp
PIN: 70906C05049
Property & Mailing Address: 26 Burnt Oak Road, Port Wentworth, Georgia 31407

Quentin Mungin, Sr.
PIN: 70906C05050
Property & Mailing Address: 28 Burnt Oak Road, Port Wentworth, Georgia 31407

Angela Dove
PIN: 70906C05051
Property & Mailing Address: 30 Burnt Oak Road, Port Wentworth, Georgia 31407

Rice Creek Homeowners Associate of Port Wentworth, Georgia, Inc.
PIN: 70906C05052
PIN: 70906C05073
Property Address: Burnt Oak Road, Port Wentworth, Georgia 31407
Mailing Address: 119 Canal Street, Suite 102, Pooler, Georgia 31322

Andrew T. Aponte &
Chantal K. Garzon-Aponte
PIN: 70906C05072
Property & Mailing Address: 32 Burnt Oak Road, Port Wentworth, Georgia 31407

Kontar L. Briggs
PIN: 70906C05071
Property & Mailing Address: 34 Burnt Oak Road, Port Wentworth, Georgia 31407

Parcardi Trappio
PIN: 70906C05070
Property & Mailing Address: 36 Burnt Oak Road, Port Wentworth, Georgia 31407

Jared Abraham Gaik
PIN: 70906C12007
Property & Mailing Address: 38 Burnt Oak Road, Port Wentworth, Georgia 31407

Marquitha S. Gibson
PIN: 70906C12006
Property & Mailing Address: 12 Mangrove Terrace, Port Wentworth, Georgia 31407

Patrick F. Thomas
PIN: 70906C12005
Property & Mailing Address: 10 Mangrove Terrace, Port Wentworth, Georgia 31407

Patrick B. Cope and Waltien Miller Cope
PIN: 70906C05069
Property & Mailing Address: 2 Lafayette Court, Port Wentworth, Georgia 31407

Willie B. & Danielle L. Wallace
PIN: 70906C05068
Property & Mailing Address: 4 Lafayette Court, Port Wentworth, Georgia 31407

John A. & Anna M. Stoutland
PIN: 70906C05067
Property & Mailing Address: 6 Lafayette Court, Port Wentworth, Georgia 31407

Attachment: 7-0906-01-012 HWY 21 EXLEY ZMA SEPT 2021 - Application (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)

Troy A. Pollen
PIN: 70906C05066
Property & Mailing Address: 8 Lafayette Court, Port Wentworth, Georgia 31407

Albert E. & Janice F. Allen
PIN: 70906C05065
Property & Mailing Address: 10 Lafayette Court, Port Wentworth, Georgia 31407

Richard C. Calhoun
PIN: 70906C05064
Property & Mailing Address: 12 Lafayette Court, Port Wentworth, Georgia 31407

Rebecca Angelica Santibanez
PIN: 70906C05063
Property Address: 14 Lafayette Court, Port Wentworth, Georgia 31407
Mailing Address: 5000 Augusta Road, Savannah, Georgia 31408

Anthony L. Sesmundo
PIN: 70906C05062
Property & Mailing Address: 15 Lafayette Court, Port Wentworth, Georgia 31407

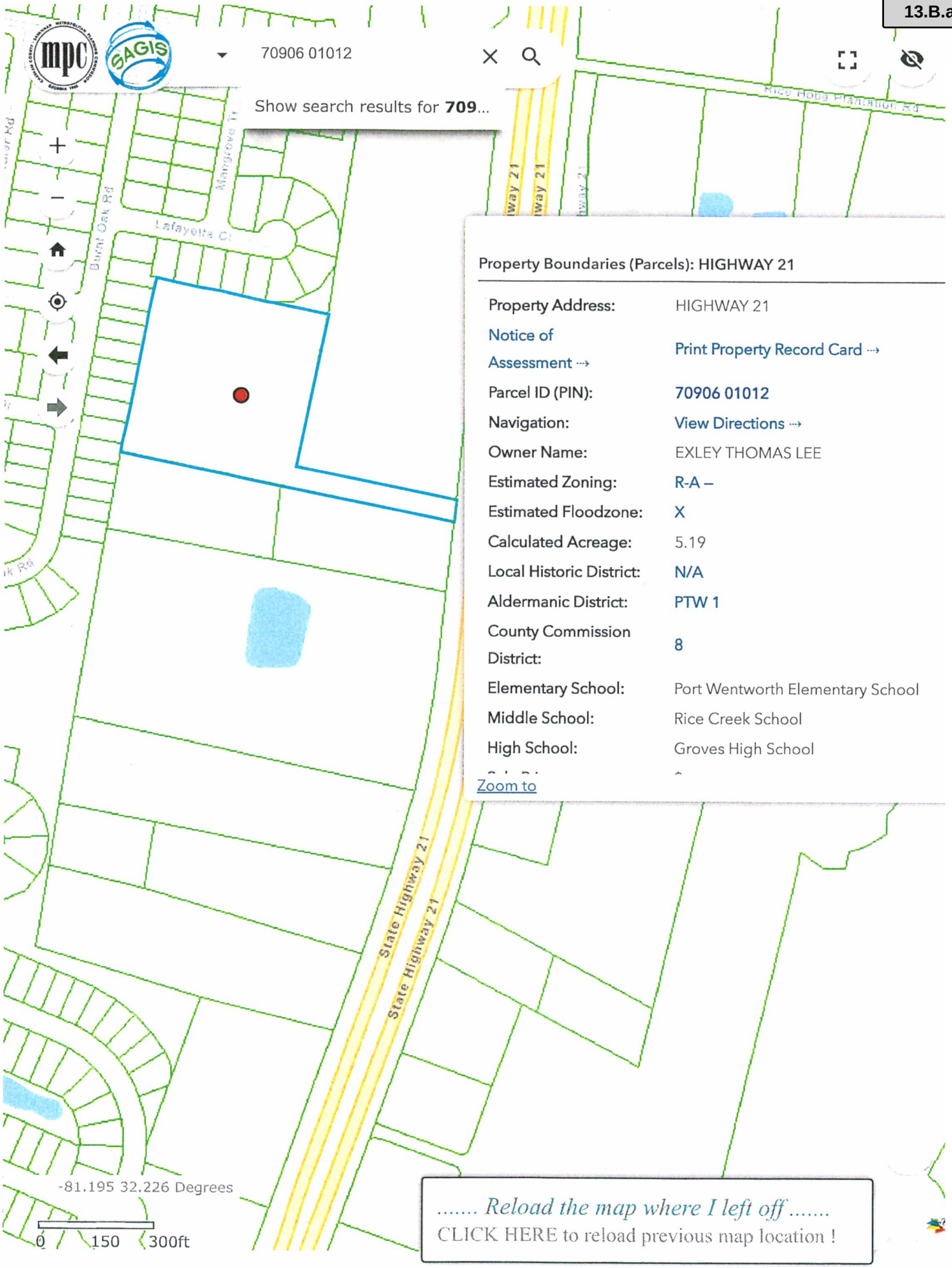
Chevella S. Stokes
PIN: 70906C05061
Property & Mailing Address: 13 Lafayette Court, Port Wentworth, Georgia 31407

Jamal Khari Manning & Cathy C. Williams-Manning
PIN: 70906C05060
Property & Mailing Address: 11 Lafayette Court, Port Wentworth, Georgia 31407

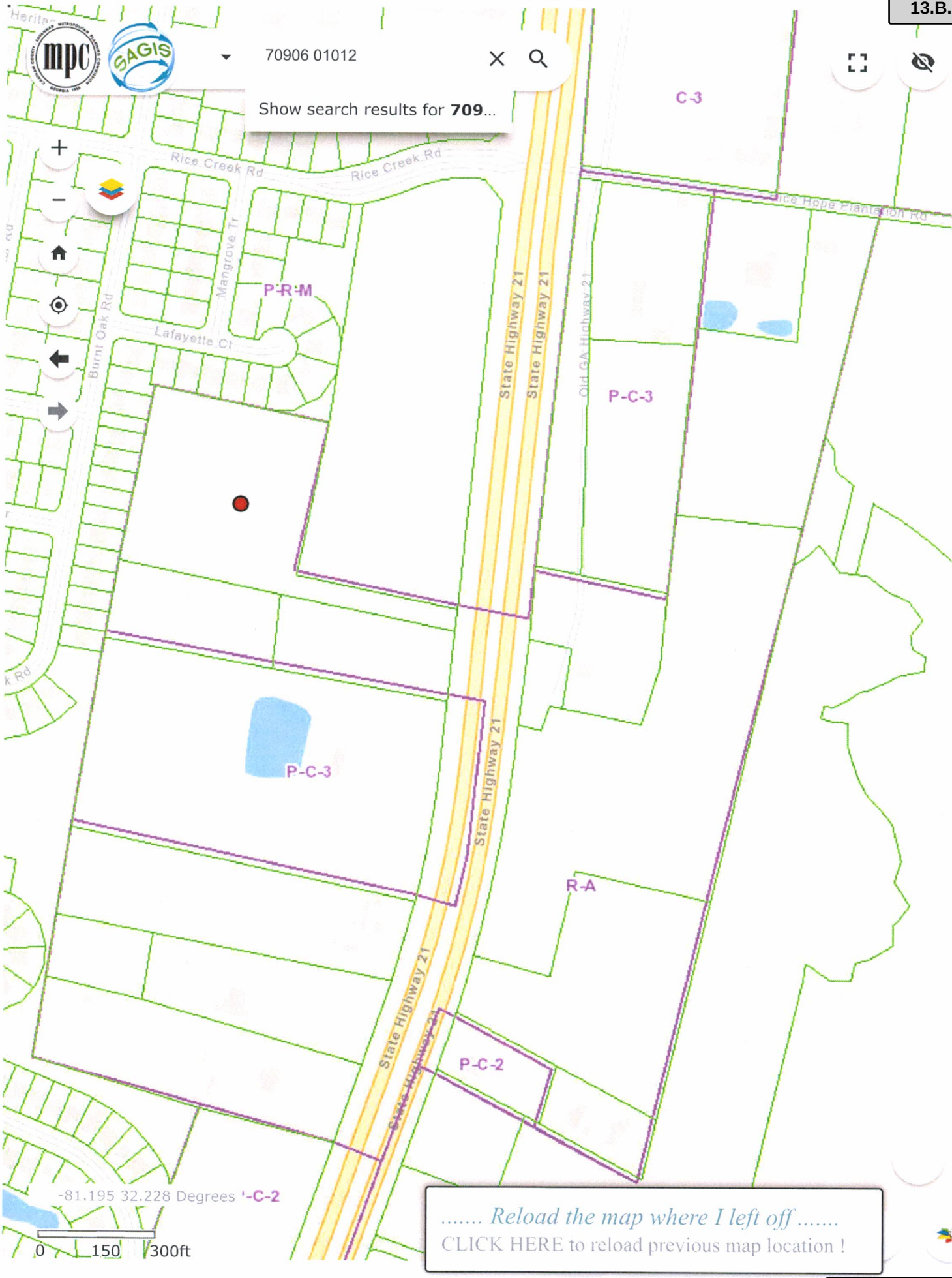
Gerry L. & Myra T. Lattimore
PIN: 70906C05059
Property & Mailing Address: 9 Lafayette Court, Port Wentworth, Georgia 31407

Attachment: 7-0906-01-012 HWY 21 EXLEY ZMA SEPT 2021 - Application (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)

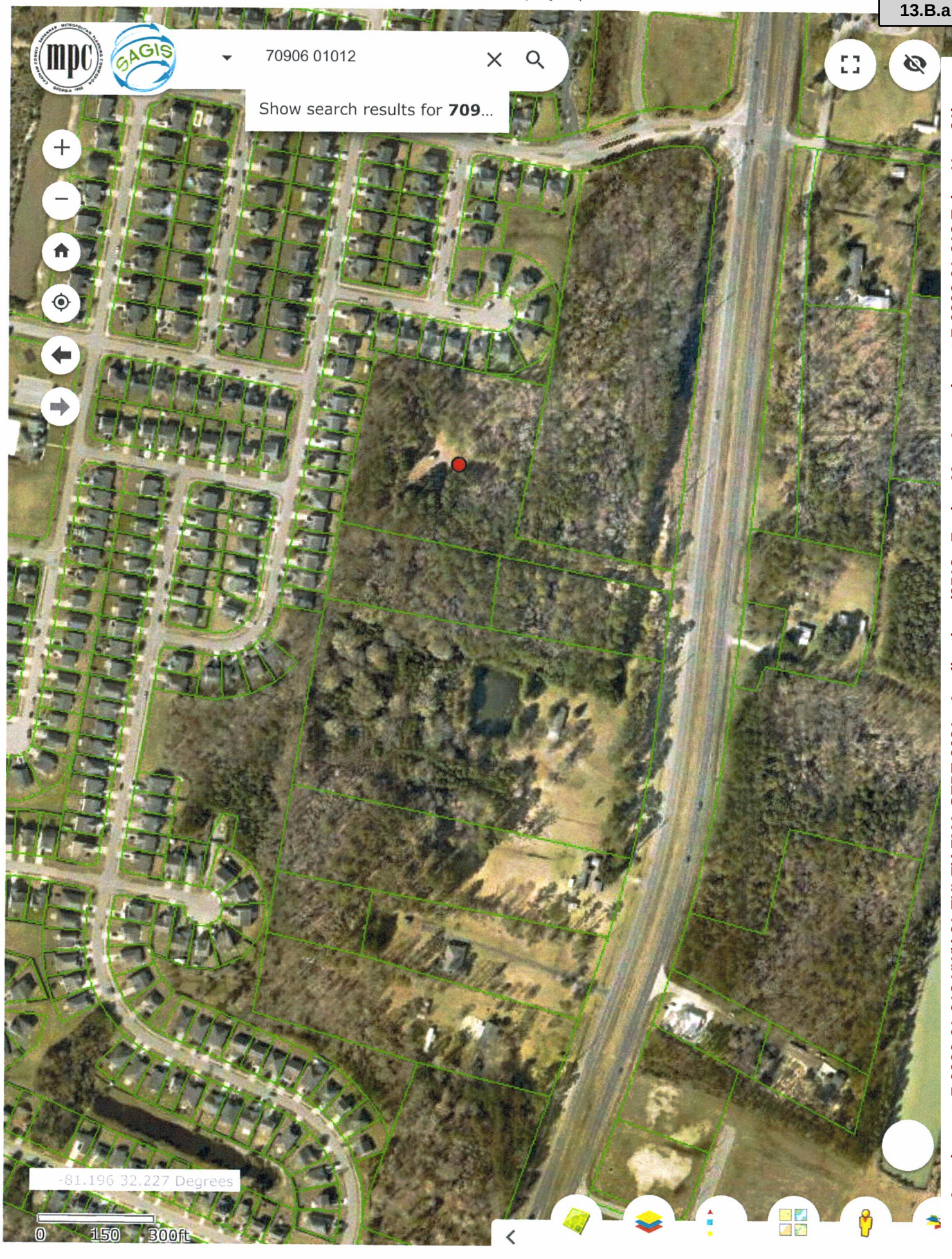
13.B.a



Attachment: 7-0906-01-012 HWY 21 EXLEY ZMA SEPT 2021 - Application (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)



Attachment: 7-0906-01-012 HWY 21 EXLEY ZMA SEPT 2021 - Application (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)



Attachment: 7-0906-01-012 HWY 21 EXLEY ZMA SEPT 2021 - Application (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)

L. EXLEY

BENCH MARK
TOP OF 5/8" REBAR
EL. 16.28

5/8" RBS

S 78°50'19"E 450.00'

19.0 19.0 18.0 17.0 16.0

N 11°09'31"E 450.00'

5.13 ACRES

S 11°09'31"W 400.00'

450.00' S 11°09'31"W

THOMAS L. EXLEY

SOLAR OBSERVATION
EAST ZONE
GRID NORTH

PLAT OF
REMOTE COMMUNICATIONS LINK SITE
5.13 ACRES DIVIDED FROM
PROPERTY OF
THOMAS L. EXLEY
FOR
FEDERAL AVIATION ADMINISTRATION

LOCATION: G.M.D. 8,
CHATHAM COUNTY, GEORGIA

SCALE: 1 INCH = 100 FEET
0 100 200

DATE: SEPT. 28, 1990 FILE NO. 3041

WILDER SURVEYING & MAPPING
RINCON, GEORGIA

IRON-F 15.0

450.00'

DITCH

BENCH MARK
TOP OF NAIL 18" OAK
EL. 16.23

15.0

N 78°50'19"W 872.28'

SYBIL J. FIELDS

414.74'

5/8" RBS

S 78°50'21"E 417.36'

50.00'

422.28'

15.0

VICTORIA FOSTER &
COVINGTON STEELE

SEPCO 150' EASEMENT

16.0

150.24'

17.0

CMS

POINT OF
BEGINNING

1864.44'

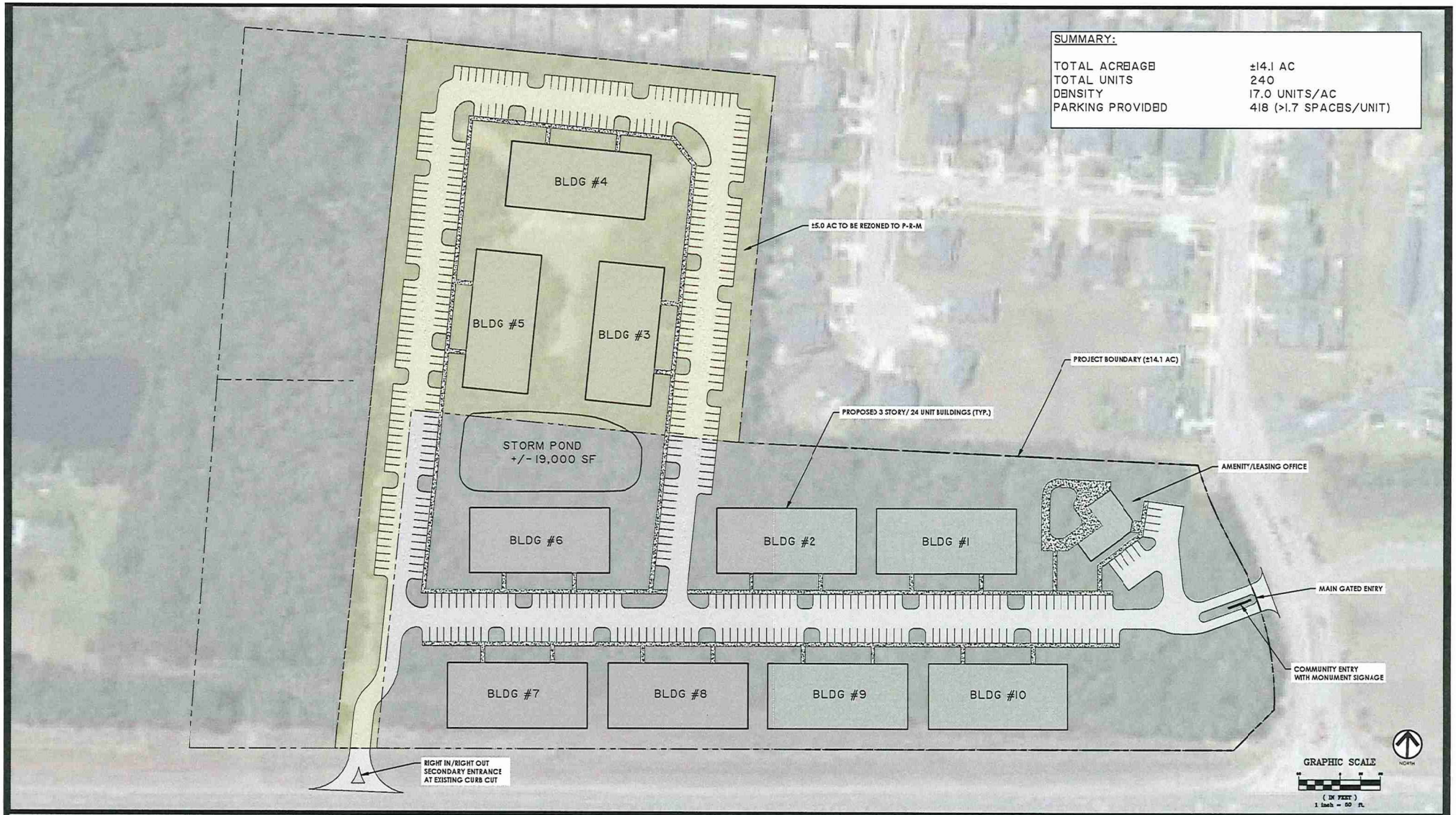
S 05°32'39"W 2042.24'

183.66'

S 79°10'04"E

GEORGIA HIGHWAY #21

Attachment: 7-0906-01-012 HWY 21 EXLEY ZMA SEPT 2021 - Plat (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)



PREPARED FOR:
DEVELOPMENT
ASSOCIATES, INC.

CONCEPT LAYOUT
RICE CREEK
PORT WENTWORTH, GA
AUGUST 16, 2021

THOMAS & HUTTON
50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300
www.thomasandhutton.com

This map illustrates a general plan of the development which is for discussion purposes only, does not limit or bind the owner/developer, and is subject to change and revision without prior written notice to the holder. Dimensions, boundaries and pavilion locations are for illustrative purposes only and are subject to an accurate survey and property description.
COPYRIGHT © 2021 THOMAS & HUTTON

Attachment: 7-0906-01-012 HWY 21 EXLEY ZMA SEPT 2021 - Concept Plan (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)

Project Timeline

7-0906-01-012 HWY 21 EXLEY ZMA

Applicant: McCorkle, Johnson & McCoy

- 8/16/2021 – Application received; Complete
- 8/23/2021—Signs Ordered
-

Attachment: 7-0906-01-012 HWY 21 EXLEY ZMA SEPT 2021 - Timeline (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)

City of Port Wentworth

Code of Ordinances

Appendix B – Zoning

Article IX – Amendements, Section 9.1 e.

Standards and Criteria for Making Zoning Amendments: Prior to making a zoning amendment, the Mayor and Council shall evaluate the merits of a proposed amendment according to the following criteria:

1. Whether the zoning proposal will permit a use that is suitable in view of the use and development of the adjacent and nearby property.

2. Whether the zoning proposal will adversely affect the existing use or a suitability of adjacent or nearby property.

3. Whether the property to be affected by the zoning proposal has a reasonable economic use as currently zoned.

4. Whether the zoning proposal will result in a use which will or could cause an excessive burdensome use of existing streets, transportation facilities, or schools.

5. If the local government has an adopted land use plan, whether the zoning proposal is in conformity with the policy and intent of the land use plan.

6. Whether there are existing or changing conditions affecting the use and development of the property which give supporting grounds for either approval or disapproval of the zoning proposal.

Attachment: Rezoning Questions from Ordinances (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)

CITY OF PORT WENTWORTH

PLANNING COMMISSION

SEPTEMBER 13, 2021

Via Teleconference GoToMeeting | **Regular Meeting** | **6:30 PM**

7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407

1. CALL MEETING TO ORDER

Chairman CJ Neesmith called the meeting to order.

2. PRAYER AND PLEDGE OF ALLEGIANCE

Commissioner Bright led the Prayer and Pledge of Allegiance.

3. ROLL CALL - SECRETARY

Attendee Name	Title	Status	Arrived
Bill Herrin	Planning Commissioner	Present	
Rufus Bright	Planning Commissioner	Present	
Rosetta Franklin	Planning Commissioner	Present	
Wanda Rollf	Planning Commissioner	Present	
Lauree Morris	Planning Commissioner	Present	
CJ Neesmith	Planning Commissioner	Present	
Gabrielle Nelson	Planning Commissioner	Present	
Brian Harvey	Director of Development Services	Present	
Melanie Ellis	Building Inspector	Present	

4. APPROVAL OF AGENDA

1. Approval of Agenda

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Rosetta Franklin, Planning Commissioner
SECONDER:	Bill Herrin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

5. ADOPTION OF MINUTES

A. Planning Commission - Regular Meeting - Jul 12, 2021 6:30 PM

RESULT:	**ACCEPTED [UNANIMOUS]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Rosetta Franklin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

6. ZONING MAP AMENDMENTS (REZONING)

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)

A. Zoning Map Amendment Application submitted by Robert L. McCorkle, III., McCorkle, Johnson & McCoy, on behalf of Thomas Lee Exley for PIN # 7-0906-01-012 (Highway 21) to Rezone from R-A (Residential Agriculture) to P-R-M (Planned Residential Multifamily) Zoning District for the purpose of a Multi-Family Apartment Development

The applicant, Robert L. McCorkle III., was present and gave a brief overview of the project and offered to answer any questions the Commission may have. Commissioner Nelson asked if City services would be able to sustain all the new residential development, traffic concerns, and school overcrowding. Mr. McCorkle responded that they do not believe that their project will overburden the City and that this project would bring in more taxes that can assist the City in acquiring more staff to support the new growth. Commissioner Morris agreed with Commissioner Nelson and stated that the Developers should consider the concerns when submitting for site plan development and the reports that are included in those submittals for review by the City engineers.
Public Comments:
-Murray Marshal spoke in favor of the application.
After the public comment section was closed, Commissioner Morris made a motion to approve the application. Commissioner Nelson seconded the motion to approve. The vote was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Lauree Morris, Planning Commissioner
SECONDER:	Gabrielle Nelson, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

B. Zoning Map Amendment Application submitted by Marc Liverman, Atlantic Coast Consulting, Inc., on behalf of Drayton-Parker Companies, LLC., for PIN # 7-0035-01-010 (Highway 21) to Rezone from P-C-3 (Planned General Business) to P-I-1 (Planned Industrial) Zoning District for the purpose of a Truck / Chassis Storage Yard

The applicant, Marc Liverman, and Zach Riddle was present to represent the application. Marc Liverman gave a brief overview of the project and offered to answer any questions the Commission may have. Commissioner Nelson asked that this would be a hub instead of a in / out operation all day. Mr. Liverman responded that was correct and that most of the clients that would use this as an overflow yard and storage. Commissioner Herrin asked what the hours of operation would be. Zach Riddle responded that it should be normal business hours and weekends. Commission Bright asked to verify the location of this project. Commissioner Rollf asked about the flow of traffic of the trucks and how the trucks will be stopped from making left turns out of the driveway. Mr. Riddle responded that in the contract / lease agreement with the users the truck drivers will be required to follow all traffic laws. Commissioner Franklin asked if the trucks would use the road through Amazon parking lot and exit onto Crossgate Road. Mr. Riddle responded that the trucks would not be allowed on that road and that is Amazon only road. Commissioner Morris asked about the traffic flow for trucks making a U-Turn at the red-light at Crossgate Road and if the light timing has been researched. Mr. Liverman responded that in the traffic impact assessment did not show that this facility would impact that light and that any trucks turning left into the facility would use the existing curb cut on Highway 21. There were no public comments. Commissioner Herrin made a motion to approve the application. Commissioner Bright seconded the motion to approve. Commissioners Herrin, Bright, Franklin, Rollf, Nelson voted to approve. Commissioner Morris vote could not be heard due to technical issues.

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)

RESULT:	**APPROVED [5 TO 0]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Rufus Bright, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Nelson
AWAY:	Morris

7. ZONING TEXT AMENDMENTS (ORDINANCES)

8. SITE PLAN/SUBDIVISION APPROVAL

A. Site Plan Review Application submitted by NGI Acquisitions, LLC., on behalf of Tom Exley for PIN # 7-0907-01-003 (Highway 21) for a General Development Site Plan to allow a Multifamily Apartment Complex (Novare) in a P-RIP (Planned Residential Institutional) Zoning District

Scott Monson and Kenny Bud was present on behalf of the applicant. Mr. Monson gave an overview of the project and offered to answer any questions the Commission may have. Commissioner Herrin expressed traffic concerns on Highway 21 and how the traffic flow for the complex would be handled, what the value / rent would be for the homes, and if there would be a berm between the project and Pine Forest Subdivision. Mr. Monson responded that the entrance / exit would be approved by GDOT and there is a 50-foot vegetative buffer. Kenny Bud responded that the rent currently ranges between $1300-$1800.
Public Comments:
-Per Brian Harvey - Sylvia Hinley 1 Lanvale Street contacted the Development Services Office to inform that she is against the development.
After the public comment section was closed, Commissioner Rollf made a motion to Approved the application. Commissioner Bright seconded the motion to approve. Commissioners Bright, Rollf, Nelson voted Yes. Commissioners Herrin and Franklin voted No. Commissioner Morris vote could not be heard due to technical issues.

RESULT:	**APPROVED [3 TO 2]**
MOVER:	Wanda Rollf, Planning Commissioner
SECONDER:	Rufus Bright, Planning Commissioner
AYES:	Bright, Rollf, Nelson
NAYS:	Herrin, Franklin
AWAY:	Morris

B. Site Plan Review Application submitted by Ray Pittman, Pittman Engineering, on behalf of Third Lake Development, LLC., for PIN # 7-0906-04-091 (Rice Hope Rd) for a General Development Site Plan to allow a Multifamily Development (The Cottages at Rice Hope Plantation) in a M-P-O (Master Plan Overlay) Zoning District

The applicant, Ray Pittman, was present and gave a brief overview of the project and offered to answer any questions the commission may have. Scott DeCain was also present. Commissioner Nelson asked if City services would be able to sustain all the new residential development, traffic concerns, and school overcrowding. Mr. Pittman responded that the when the original master plan was developed all the infrastructure was took into account and that the overall amount of lots would be less than the original master plan allowed. Commissioner Bright asked about additional traffic lights and traffic concerns. Mr. Pittman stated that no traffic lights have been planned with the additional units due to that all of those concerns were addressed in the original master plan. Commissioner Rollf asked what the average number of cars per unit and if there was enough parking provided. Mr. Pittman responded that for this development there is a minimum of two parking spaces per unit. Commissioner Morris liked that this concept plan showed several areas of greenspace, and she believes the development will be very

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)

nice. Commissioner Rollf asked why these homes are for rent instead of building homes for purchase. Scott DeCain responded the Rice Hope community does have for-sale homes in future development plans.
Public Comments:
-Christine Stewart, 504 Rice Hope Plantation Road, spoke against the application due to traffic concerns and trash services.
-Madeline Quinones, 114 Parkside Blvd, spoke against the application due to traffic concerns, on-street parking, and emergency vehicle access.
-Cortrice Jackson, 305 Lakeside Blvd, spoke against the application due traffic, trash, internet capabilities.
-Gary Conway, 403 Lakeside Blvd, asked where the entrance for the plan was located.
After the public comment section was closed, Commissioner Bright made a motion to approve the application. Commissioner Rollf seconded the motion to approve. Commissioners Herrin, Bright, Franklin, Rollf, Nelson voted to approve. Commissioner Morris vote could not be heard due to technical issues.

RESULT:	**APPROVED [5 TO 0]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Wanda Rollf, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Nelson
AWAY:	Morris

C. Site Plan Review Application submitted by D.R. Horton on behalf of Bald Eagle Partners for PIN #'s 7-0906-04-041, 7-0906-04-042, 7-0906-04-054, 7-0906-04-063 (Lakeside Blvd) for a General Development Site Plan to allow a Residential Development (Lakeside Phases 20-30) in a M-P-O (Master Plan Overlay) Zoning District

Garrison Bryant was present on behalf of the applicant. Mr. Bryant gave a brief overview of the project and offered to answer any questions the commission may have. Commissioner Nelson asked to confirm that these homes were for purchase and not for rent. Chairman Neesmith stated that yes, they were for-sale homes. Commissioner Bright asked where these were located and if they were 3- or 4-bedroom homes. Mr. Bryant responded that they were off of Lakeside Blvd and there would be a variety of types of homes and that the majority would be for-sale and a small percentage would be for-rent.
Public Comments:
-Alfonso Ribot, 17 Wild Silk Way, asked if the HOA would be the same for the new development as the rest of Rice Hope. Mr. Decain responded that it has not been determined yet.
-Ponda Showalter, 313 Lakeside Blvd, asked what the traffic flow for the construction would be. Mr. Decain responded that he is not responsible for the construction traffic.
-Gary Conway, 403 Lakeside Blvd, asked if there would be any other access points other than Lakeside Blvd and Mulberry Blvd. Mr. DeCain responded no.
-Madeline Quinones, 114 Parkside Blvd, asked how many rentals and how many for-sale. Mr. DeCain responded about 25% for-rent and 75% for-sale.
After the public comment section was closed, Commissioner Bright voted to approve the application. Commissioner Morris seconded the motion to approve. The vote to approve was unanimous.

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Lauree Morris, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

D. Site Plan Review Application submitted by Neil McKenzie, Coleman Company Inc., of behalf of LMS Real Estate Investment Management, LLC., for PIN # 7-0975-01-025 Tract B (Highway 21 / Jeffers Rd) for a Specific Development Site Plan to allow a Multi-Family Residential Development (LMS Cottages) in a P-R-M (Planned Residential Multifamily) Zoning District

The applicant, Neil McKenzie, was present. Mr. McKenzie gave an overview of the project and offered to answer any questions the Commission may have. Commissioner Bright asked which residents that they talked to about the project. Mr. McKenzie responded that there were two neighborhood meetings at the City Hall Council Chambers and both meetings were well attended. Commissioner Nelson asked about the Saussy Road improvements. Mr. McKenzie responded that the Developers would rebuild and widen Saussy Road up to the entrance of the development, which would include a dedicated right and left turn lane, and then they would mill and overlay Saussy Road up to Grant Road.
Public Comments:
-LaRay Benton, 135 Saussy Road, spoke against the applicant, stating stormwater and flooding concerns.
After the public comment section was closed, Commissioner Herrin made a motion to approve. Commissioner Rollf seconded the motion to approve. The vote to approve was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Wanda Rollf, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

E. Subdivision Application submitted by David Dowdy, Jackson Surveying, Inc., on behalf of Shay Anam, LLC., for a portion of PIN # 7-0037-02-004 (Magellan Blvd) located in a P-C-3 (Planned General Business) Zoning District for a Final Plat of a Minor Subdivision (Parcel 3, Former Broadman Tract) for the purpose of a Hotel Development

No one was present for the application. There were no public comments.
Commissioner Franklin made a motion to approve. Commissioner Nelson seconded the motion to approve. The vote was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rosetta Franklin, Planning Commissioner
SECONDER:	Gabrielle Nelson, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

F. Subdivision Application submitted by Ray Pittman, Pittman Engineering, Co., on behalf of Bald Eagle Partners for PIN # 7-0906-04-069 (Hickory Street) located in a M-P-O (Master Plan Overlay) Zoning District for a Preliminary Plat of a Major Subdivision (Parkside at Rice Hope Phases B & C) for the purpose of Single-Family Homes

The applicant, Ray Pittman, was present. Mr. Pittman gave a brief overview of the project and offered to answer any questions the Commission may have. There were no questions from the Commission.
Public Comments:

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)

-Madeline Quinones, 114 Parkside Blvd, asked who the builder was for these homes and spoke against the application. Mr. Pittman responded that he was not sure of who the builder was.
After the public comment section was closed, Commissioner Bright made a motion to approve the application. Commissioner Morris seconded the motion to approve. The vote to approve was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Lauree Morris, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

9. NEW BUSINESS

10. ADJOURNMENT

A. Adjournment

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Bill Herrin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

_____
Chairman

The foregoing minutes are true and correct and approved by me on this _____ day of _____, 2021.

_____
Secretary

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2513 : Zoning Map Amendment 7-0906-01-012 Exley Hwy 21)

City Council
7224 GA Highway 21
Port Wentworth, GA 31407

SCHEDULED

Meeting: 09/23/21 12:00 AM
Department: Development Services
Category: Planning/Zoning Item
Prepared By: Melanie Ellis
Department Head: Brian Harvey

AGENDA ITEM (ID # 2512)

DOC ID: 2512

Zoning Map Amendment Application submitted by Marc Liverman, Atlantic Coast Consulting, Inc., on behalf of Drayton-Parker Companies, LLC., for PIN # 7-0035-01-010 (Highway 21) to Rezone from P-C-3 (Planned General Business) to P-I-1 (Planned Industrial) Zoning District for the purpose of a Truck / Chassis Storage Yard

Issue/Item: Zoning Map Amendment Application submitted by Marc Liverman, Atlantic Coast Consulting, Inc., on behalf of Drayton-Parker Companies, LLC., for PIN # 7-0035-01-010 (Highway 21) to Rezone from P-C-3 (Planned General Business) to P-I-1 (Planned Industrial) Zoning District for the purpose of a Truck / Chassis Storage Yard

Background: The subject property is currently vacant woodland. There are no buildings or structures on the subject property.

Facts and Findings: The total amount of property to be rezoned is 4.26 acres. The applicant is requesting to rezone the property to P-I-1 (Planned Industrial) to develop a truck / chassis storage yard. The concept layout of the proposed plan includes one hundred nine (109) truck / chassis parking spaces, five (5) car parking spaces, a 2,000 square foot administration building and CMU wall with landscape screening along Highway 21. The project will also include associated drainage, and water and sewer utilities. The Development Impact Assessment is under review by City engineers T.R. Long Engineering.

Funding: N/A

Recommendation: The Planning Commission will hear this application on Monday, September 13, 2021 at 6:30 PM. **/ UPDATE: THE PLANNING COMMISSION VOTED UNANIMOUSLY TO APPROVE THE APPLICATION.**

ATTACHMENTS:

- 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Application (PDF)
- 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Plat (PDF)
- 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Concept Plan 6.2021 (PDF)
- 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Timeline (DOCX)
- Rezoning Questions from Ordinances (DOCX)
- 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - 1st Comment Letter TR Long 9.10.21(PDF)
- 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (PDF)
- Planning Commission Minutes September 13, 2021 DRAFT (PDF)

210306

RECEIVED
AUG 16 20
BY: MBC

APPLICATION TO AMEND THE ZONING MAP OF PORT WENTWORTH, GEORGIA

Name of Applicant: Marc Liverman Phone #: 912-236-3471

Mailing Address: 7 East Congress St., Suite 801 Savannah, Ga 31401

Name of Property Owner: Drayton-Parker Companies, LLC Phone #: 912-220-5144
(Use back if more than one owner)

Address of Property: N/A - Undeveloped parcel located along the eastern R/W of Hwy 21 near the intersection of Hwy 21 and Crossgate Rd.

PIN #: 7-0035-01-010 Number of Acres: 4.26

Zoning Classification: Present P-C-3 Requested P-I-1
Use of Property: Present N/A - Undeveloped Requested Truck/Chassis Storage Yard

_____ If the requested change is to extend an existing adjacent zoning district to include this property, explain below why the proposed change should be made.

X_____ If the requested change is not to extend an adjacent zoning district, explain below why this property should be placed in a different zoning district than all adjoining properties. (How does it differ from adjoining properties and why should it be subject to different restrictions than those applying to adjoining properties?)

The City's 2016-2036 Comprehansive Plan identifies this area (bounded by NS Rail Right-of-Way and Hwy 21) as a Mixed Use area in its Future Development strategy. A majority of this area is zoned E-D-Z (Economic Development Zone) that has experience the construciton of several warhousing facilities, including Amazon and the planned expansion of Parkers Kitchen to serve commercial truck traffic. The development of the subject parcel as a commercial truck/chassis yard further supports the existing and future planned charact of this area.

Attach the following documents:

1. Written legal description of the property (e.g. copy of deed) – full metes and bounds description rather than plat reference.
2. Name, PIN #, property address and mailing address of owners of all properties within 250 feet of this property.
3. Plat showing property lines with lengths and bearings, adjoining streets, locations of existing buildings, north arrow and scale. **Submit fifteen (15) copies of the plat in 11"x17" or larger and one copy in 8.5"x11".**
4. Site Plan of proposed use of property. **Submit fifteen (15) copies in 11"x17" or larger and one copy in 8.5"x11".**
5. Disclosure of Campaign Contributions and Gifts form.
6. Disclosure of Financial Interests form.
7. If property owner and applicant are not the same, Authorization by Property Owner form or Authorization of Attorney form.
8. Filing fee of $356 + $50 per acre + $50 Administrative Fee, payable to the City of Port Wentworth.

APPLICATION MUST BE FILED 20 BUSINESS DAYS PRIOR TO THE PLANNING COMMISSION MEETING AT WHICH THEY ARE TO BE CONSIDERED.

I hereby authorize the staff of the City of Port Wentworth to inspect the premises of the above described property and to post this property with the duly required notices. I hereby depose and say that all statements herein and attached statements submitted are true and correct to the best of my knowledge and belief.

Sworn to and subscribed before me this
18th day of June, 2021.

Signature of Applicant

Notary Public

Commission expires 2-6-24

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Application (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

DISCLOSURE OF FINANCIAL INTERESTS

(Required by Title 36, Chapter 67A, Official Code of Georgia Annotated)

Reference: Application filed on June 18, 20 21, to rezone real property described as follows: 4.26 acre undeveloped parcel located along Hwy 21 (PIN # 7-0035-01-010)

The undersigned official of the City of Port Wentworth has a property interest (Note 1) in said property as follows:

The undersigned official of the City of Port Wentworth has financial interest (Note 2) in a business entity (Note 3) which has property interest in said property, which financial interest is as follows:

The undersigned official of the City of Port Wentworth has a member of the family (Note 4) having a property interest in said property or a financial interest in a business entity which has a property interest in said property, which family member and property interest or financial interest are as follows:

Note 1: Property Interest – Direct ownership of real property, including any percentage of ownership less than total ownership
Note 2: Financial Interest – All direct ownership interests of the total assets or capital stock of a business entity where such ownership interest is 10 percent or more
Note 3: Business Entity – Corporation, partnership, limited partnership, firm, enterprise, franchise, association or trust
Note 4: Member of the family – Spouse, mother, father, brother, sister, son or daughter

---

I hereby depose and say that all statements herein are true, correct and complete to the best of my knowledge and belief.

Sworn to and subscribed before me this
18th day of June, 20 21.

Notary Public

Commission Expires 2-6-24

Signature of Official

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Application (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

AUTHORIZATION OF PROPERTY OWNER

Application for Rezoning or Variance

I swear that I am the owner of the property which is the subject matter of the attached application, as is shown in the records of Port Wentworth, Georgia.

I authorize the person named below to act as applicant in the pursuit of a variance or for the rezoning of this property.

Name of Applicant: Marc Liverman

Address: 7 East Congress St, Suite 801, Savannah, GA 31401

Telephone Number: 912-236-3471

Signature of Owner

Personally appeared before me

Ashley Blackburn

who swears that the information contained in this authorization is true and correct to the best of his or her knowledge and belief.

Notary Public

Commission expires 2-6-24

6-18-21

Date

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Application (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

DISCLOSURE OF CAMPAIGN CONTRIBUTIONS

(Required by Title 36, Chapter 67A, Official Code of Georgia Annotated)

Reference: Application filed on June 18, 20 21, to rezone real property described as follows: 4.26 acre undeveloped parcel located along Hwy 21 (PIN # 7-0035-01-010)

Within the two years preceding the above filing date, the applicant has made campaign contributions aggregating $250.00 or more to each member of the City Council of the City of Port Wentworth who will consider the application and is listed below. List (1) the name and official position of the local government official and (2) the dollar amount, description and date of each such campaign contribution.

I hereby depose and say that all statements herein are true, correct and complete to the best of my knowledge and belief.

Sworn to and subscribed before me this

18th day of June, 20 21.

Signature of Applicant

Notary Public

commission expires 2-6-24

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Application (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

CITY OF PORT WENTWORTH
7224 HIGHWAY 21
PORT WENTWORTH, GA 31407

Statement Summary

Contractor Code		ATLANTIC C
Statement Date		08/17/2021
Total Due	$	619.(
Due Date		08/17/20

ATLANTIC COAST CONSULTING, INC
7 EAST CONGRESS ST., SUITE 801
SAVANNAH GA 31404

Project Detail

Project	210306
Description	ZONING MAP AMENDMENT
Property	7-0035-01-010
Owner	DRAYTON-PARKER COMPANIES, LLC
Expires	08/16/2022

Segment	Date	Description	Charge
DEV-ZMA	08/16/2021	ADMINISTRATION FEE	50.00
DEV-ZMA	08/16/2021	ZONING MAP AMENDMENT FEE	569.00
		Net Due	619.00

Total Due all Projects $ 619.00
Due Date 08/17/2021

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Application (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

CITY OF PORT WENTWORTH
(912) 964-4379

REC#: 00324041 8/18/2021 1:41 PM
OPER: ME TERM: 011
REF#:

ACCT #: XXXXXXXXXXXXXXXXXX
AUTH #: 03129C
TRAN #: 000000004389
TYPE: PURCHASE

TRAN: 112.0000 BLDG PERMIT
210306 619.00CR
DRAYTON-PARKER COMPANIES, LLC
7-0035-01-010
DEV-ZMA 619.00CR

TENDERED: 619.00 CREDIT CARD
APPLIED: 619.00-

CHANGE: 0.00

WWW.CITYOFPORTWENTWORTH.COM

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Application (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Port Wentworth Truckyard
Property Owners within 250'

Name	PIN #	Property Address	Mailing Address
DRAYTON-PARKER COMPANIES, LLC	70035 01011	0 Highway 21 Port Wentworth, GA 31407	17 W. McDonough Street Savannah, GA 31401
ARTICLE VIII CREDIT SHELTER TRUST ETAL* ATTN RICHARD E LEE	70035 01003	0 Highway 21 Port Wentworth, GA 31407	6232 Highway 21 Port Wentworth, GA 31407
CRESCENT INVESTMENTS INC.	70035 01002	6232 Highway 21 RD Port Wentworth, GA 31407	6232 GA Hwy 21 Port Wentworth, GA 31407
CROSSGATE INDUSTRIAL INVESTORS, LLC, A GEORGIA LIMITED LIABILITY COMPANY	70035 01008	1500 Crossgate Rd Port Wentworth, GA 31407	1776 Peachtree St NW Suite 100 Atlanta, GA 30309
MAYOR & ALDERMEN OF SAVANNAH	20912 01001	6183 Highway 21 Savannah, GA 31407	PO Box 1027 Savannah, GA 31412

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Application (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Doc ID: 031656540010 Type: WD
Recorded: 05/02/2019 at 11:47:59 AM
Fee Amt: $1,217.90 Page 1 of 10
Transfer Tax: $1,189.90
Chatham, Ga. Clerk Superior Court
Tammie Mosley Clerk Superior Court
BK 1608 PG 779-788

Return To: Jennifer D. Sawyer, Esq.
Sawyer Law Group, LLC
111 East 34th Street
Savannah, GA 31401

LIMITED WARRANTY DEED

THIS INDENTURE is made and entered into this 30 day of April, 2019, by and between **JEANNE C. CARTER, LEE C. DYE and RICHARD E. LEE as CO-TRUSTEES OF THE ARTICLE VIII CREDIT SHELTER TRUST under the RICHARD E. CARTER TRUST U/A DATED 9/9/2010, WILLIAM C. CONAWAY, ROY SMITHBERG, PAUL A. KALUZNE, JR.,** and **J. CURTIS LEWIS III,** except for such trust, all being individual residents of the State of Georgia (jointly and severally, "Grantor"), and **DRAYTON-PARKER COMPANIES, LLC**, a Georgia limited liability company ("Grantee"), to include their respective successors, legal representatives and assigns where the context requires or permits.

WITNESSETH:

Grantor, subject to the terms of this indenture and in consideration of the sum of TEN AND NO/100 DOLLARS ($10.00) and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, has granted, bargained, sold, aliened, conveyed and confirmed, and does hereby grant, bargain, sell, alien, convey and confirm unto Grantee all those certain lots, tracts or parcels of land situate, lying and being in Chatham County, Georgia (hereinafter referred to as the "Property") as is more particularly described in Exhibit "A" attached hereto and by this reference made a part hereof.

TO HAVE AND TO HOLD the Property, together with all and singular the rights, members, hereditaments, improvements, easements and appurtenances thereof, to the same being and belonging, or in anywise appertaining, to the full and proper use, benefit and behoof of the Grantee, forever in fee simple; subject only to the matters (hereinafter referred to as "Permitted Exceptions") set out in Exhibit "B" attached hereto and by this reference made a part hereof.

AND Grantor does hereby warrant that it is seized of the Property in Fee Simple and has good right to convey the same; and Grantor will warrant and forever defend the right and title to the Property unto Grantee against the claims of any persons owning, holding or claiming by, through or under Grantor except for claims arising under or by virtue of the Permitted Exceptions.

[Signature Pages Follow]

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Application (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Application (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

[Signature Page to Limited Warranty Deed]

IN WITNESS WHEREOF, Grantor has executed this Limited Warranty Deed as of the day and year first above written.

GRANTOR:

Jeanne C. Carter, Lee C. Dye and Richard E. Lee, as Co-Trustees of the Article VIII Credit Shelter Trust under the Richard E. Carter Trust U/A Dated 9/9/2010

Signed, sealed and delivered in the presence of:

Unofficial Witness

Notary Public

My Commission Expires:
(AFFIX NOTARY SEAL)

PARKER CRAWFORD MORGAN MY COMMISSION EXPIRES MARCH 13 2022 CHATHAM CO., GEORGIA NOTARY PUBLIC

_____ (L.S.)
Jeanne C. Carter, Co-Trustee of the Article VIII Credit Shelter Trust under the Richard E. Carter Trust U/A Dated 9/9/2010

Signed, sealed and delivered in the presence of:

Unofficial Witness

Notary Public

My Commission Expires:
(AFFIX NOTARY SEAL)

_____ (L.S.)
Lee C. Dye, Co-Trustee of the Article VIII Credit Shelter Trust under the Richard E. Carter Trust U/A Dated 9/9/2010

Signed, sealed and delivered in the presence of:

Unofficial Witness

Notary Public

My Commission Expires:
(AFFIX NOTARY SEAL)

PARKER CRAWFORD MORGAN MY COMMISSION EXPIRES MARCH 13 2022 CHATHAM CO., GEORGIA NOTARY PUBLIC

_____ (L.S.)
Richard E. Lee, Co-Trustee of the Article VIII Credit Shelter Trust under the Richard E. Carter Trust U/A Dated 9/9/2010

[Signatures Continued on Following Page]

[*Signature Page to Limited Warranty Deed*]

IN WITNESS WHEREOF, Grantor has executed this Limited Warranty Deed as of the day and year first above written.

GRANTOR:

Jeanne C. Carter, Lee C. Dye and Richard E. Lee, as Co-Trustees of the Article VIII Credit Shelter Trust under the Richard E. Carter Trust U/A Dated 9/9/2010

Signed, sealed and delivered
in the presence of:

_____
Unofficial Witness

_____
Notary Public

My Commission Expires:
(AFFIX NOTARY SEAL)

_____ (L.S.)
Jeanne C. Carter, Co-Trustee of the Article VIII Credit Shelter Trust under the Richard E. Carter Trust U/A Dated 9/9/2010

Signed, sealed and delivered
in the presence of:

_____
Unofficial Witness

_____
Notary Public

My Commission Expires:
(AFFIX NOTARY SEAL)
4·29·22

SUSAN E. FORTSON NOTARY PUBLIC ELBERT COUNTY, GEORGIA

_____ (L.S.)
Lee C. Dye, Co-Trustee of the Article VIII Credit Shelter Trust under the Richard E. Carter Trust U/A Dated 9/9/2010

Signed, sealed and delivered
in the presence of:

_____
Unofficial Witness

_____
Notary Public

My Commission Expires:
(AFFIX NOTARY SEAL)

_____ (L.S.)
Richard E. Lee, Co-Trustee of the Article VIII Credit Shelter Trust under the Richard E. Carter Trust U/A Dated 9/9/2010

[*Signatures Continued on Following Page*]

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Application (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

[*Signature Page to Limited Warranty Deed, Continued*]

IN WITNESS WHEREOF, Grantor has executed this Limited Warranty Deed as of the day and year first above written.

Signed, sealed and delivered
in the presence of:

Unofficial Witness

Notary Public

My Commission Expires:
(AFFIX NOTARY SEAL)

GRANTOR:

William C. Conaway (L.S.)

ASHLEY JOHNSON NOTARY PUBLIC Exp. Sept. 24, 2022 COWETA COUNTY, GA

Signed, sealed and delivered
in the presence of:

Unofficial Witness

Notary Public

My Commission Expires:
(AFFIX NOTARY SEAL)

GRANTOR:

Roy Smithberg (L.S.)

[*Signatures Continued on Following Page*]

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Application (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

[*Signature Page to Limited Warranty Deed, Continued*]

IN WITNESS WHEREOF, Grantor has executed this Limited Warranty Deed as of the day and year first above written.

Signed, sealed and delivered
in the presence of:

_____
Unofficial Witness

_____
Notary Public

My Commission Expires:
(AFFIX NOTARY SEAL)

GRANTOR:

_____ (L.S.)
William C. Conaway

Signed, sealed and delivered
in the presence of:

_____
Unofficial Witness

Notary Public

Belinda Ann Green
NOTARY PUBLIC
Chatham County
State of Georgia
My Commission Expires August 21, 2019

My Commi
(AFFIX NO

GRANTOR:

_____ (L.S.)
Roy Smithberg

[*Signatures Continued on Following Page*]

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Application (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

[*Signature Page to Limited Warranty Deed, Continued*]

IN WITNESS WHEREOF, Grantor has executed this Limited Warranty Deed as of the day and year first above written.

Signed, sealed and delivered
in the presence of:

Unofficial Witness

Notary Public

My Commission Expires:
(AFFIX NOTARY SEAL)

Belinda Ann Green
NOTARY PUBLIC
Chatham County
State of Georgia
My Commission Expires August 21, 2019

GRANTOR:

(L.S.)
Paul A. Kaluzne, Jr.

Signed, sealed and delivered
in the presence of:

Unofficial Witness

Notary Public

My Commission Expires:
(AFFIX NOTARY SEAL)

Belinda Ann Green
NOTARY PUBLIC
Chatham County
State of Georgia
My Commission Expires August 21, 2019

GRANTOR:

(L.S.)
J. Curtis Lewis III

[*End of Signatures*]

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Application (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Exhibit "A" to Limited Warranty Deed

Legal Description

All those certain lots, tracts or parcels of land situate, lying and being in the 8th G.M.D. City of Port Wentworth, Chatham County, Georgia, known as a portion of the Southern Region Industrial Realty Company Tract, and being shown as "Tract 2" and "Tract 3" on that certain plat entitled "Minor Subdivision Plat of a Portion of the Southern Region Industrial Realty Company Tract," prepared by James M. Keaton, G.P.L.S. No. 2743, dated March 11, 2019 and recorded in Plat Book 51, Page 716, Chatham County, Georgia records, said plat being incorporated herein and made a part hereof by this reference.

Being more particularly described as:

Tract 2

All that certain tract or parcel of land situate, lying and being in the 8th G.M.D. City of Port Wentworth, Chatham County, Georgia and being more particularly described as follows:

COMMENCING AT AN IRON PIPE AT THE INTERSECTION OF THE EASTERN RIGHT-OF-WAY OF GEORGIA HIGHWAY NUMBER 21, A PUBLIC RIGHT-OF-WAY WITH A VARYING WIDTH, AND THE NORTHERN RIGHT-OF-WAY OF CROSSGATE ROAD, A PUBLIC RIGHT-OF-WAY 80 FEET IN WIDTH; RUNNING THENCE ALONG THE SAID RIGHT-OF-WAY OF GEORGIA HIGHWAY NUMBER 21 ALONG A CURVE TO THE RIGHT A DISTANCE OF 301.00', HAVING A CHORD BEARING N 19°43'06" W, A CHORD DISTANCE OF 301.00', AND A RADIUS OF 17,098.73' TO A POINT; CONTINUING THENCE ALONG SAID RIGHT-OF-WAY ALONG A CURVE TO THE RIGHT A DISTANCE OF 254.71', HAVING A CHORD BEARING N 18°47'14" W, A CHORD DISTANCE OF 254.70', AND RADIUS OF 17,098.73' TO A POINT 3.13' SOUTH OF THE SOUTHERN EDGE OF A 100' EASEMENT; CONTINUING THENCE ALONG SAID RIGHT-OF-WAY N 18°29'11" W A DISTANCE OF 103.62' TO AN IRON ROD AT THE NORTHERN EDGE OF SAID 100' EASEMENT, SAID IRON ROD BEING THE POINT OF BEGINNING FOR THE BELOW DESCRIBED; CONTINUING THENCE ALONG SAID RIGHT-OF-WAY N 18°29'11" W A DISTANCE OF 587.08' TO AN IRON ROD; DEPARTING THENCE N 71°30'49" E A DISTANCE OF 306.74' TO A POINT; RUNNING THENCE S 18°40'59" E A DISTANCE OF 617.75' TO AN IRON ROD; RUNNING THENCE S 77°11'03" W A DISTANCE OF 310.38' TO THE POINT OF BEGINNING.

Tract 3

All that certain tract or parcel of land situate, lying and being in the 8th G.M.D. City of Port Wentworth, Chatham County, Georgia and being more particularly described as follows:

COMMENCING AT AN IRON PIPE AT THE INTERSECTION OF THE EASTERN RIGHT-OF-WAY OF GEORGIA HIGHWAY NUMBER 21, A PUBLIC RIGHT-OF-WAY WITH A VARYING WIDTH, AND THE NORTHERN RIGHT-OF-WAY OF CROSSGATE ROAD, A PUBLIC RIGHT-OF-WAY 80 FEET IN WIDTH; RUNNING THENCE ALONG THE SAID RIGHT-OF-WAY OF GEORGIA HIGHWAY NUMBER 21 ALONG A CURVE TO THE RIGHT A DISTANCE OF 301.00', HAVING A CHORD BEARING N 19°43'06" W, A CHORD DISTANCE OF 301.00', AND A RADIUS OF 17,098.73' TO A POINT, SAID POINT BEING THE POINT OF BEGINNING FOR THE BELOW DESCRIBED PARCEL; CONTINUING THENCE ALONG SAID RIGHT-OF-WAY ALONG A CURVE TO THE

[*Continued on following page*]

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Application (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

RIGHT A DISTANCE OF 254.71', HAVING A CHORD BEARING N 18°47'14" W, A CHORD DISTANCE OF 254.70', AND RADIUS OF 17,098.73' TO A POINT 3.13' SOUTH OF THE SOUTHERN EDGE OF A 100' EASEMENT; CONTINUING THENCE ALONG SAID RIGHT-OF-WAY N 18°29'11" W A DISTANCE OF 103.62' TO A POINT AT THE NORTHERN EDGE OF SAID 100' EASEMENT; DEPARTING SAID RIGHT-OF-WAY AND RUNNING THENCE ALONG SAID EASEMENT N 77°11'03" E A DISTANCE OF 310.38' TO AN IRON ROD; RUNNING THENCE S 18°40'59" E A DISTANCE OF 358.31' TO AN IRON ROD; RUNNING THENCE S 77°11'03" W A DISTANCE OF 310.27' TO THE POINT OF BEGINNING.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Application (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Application (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Exhibit "B" to Limited Warranty Deed

Permitted Exceptions

1. Taxes for the year 2019 and subsequent years, not yet due and payable.

2. Easement from Port Wentworth Corporation to Savannah Electric and Power Company, dated February 4, 1936, filed for record May 13, 1936, and recorded in Deed Book 31-F, Page 447, in the Office of the Clerk of Superior Court, Chatham County, Georgia; as replaced and superseded by Easement from Port Wentworth Corporation to Savannah Electric and Power Company, dated June 30, 1936, filed for record July 10, 1936, and recorded in Deed Book 31-J, Page 414, in the Office of the Clerk of Superior Court, Chatham County, Georgia.

3. Drainage rights contained in Right of Way Deed from Port Wentworth Corporation to State Highway Board of Georgia, dated May 22, 1940, filed for record June 4, 1940, and recorded in Deed Book 35-C, Page 430, in the Office of the Clerk of Superior Court, Chatham County, Georgia; said right of way being depicted on map recorded in Plat Book A, Page 179, in the Office of the Clerk of Superior Court, Chatham County, Georgia.

4. Easement from Port Wentworth Corporation to American Telephone and Telegraph Company of Georgia, dated February 26, 1941, filed for record March 26, 1941, and recorded in Deed Book 36-C, Page 181, in the Office of the Clerk of Superior Court, Chatham County, Georgia.

5. Easement from Port Wentworth Corporation, a Georgia corporation, to the United States of America, Department of Agriculture, Bureau of Biological Survey, last executed September 18, 1936, filed for record July 10, 1941, and recorded in Deed Book 36-I, Page 255, in the Office of the Clerk of Superior Court, Chatham County, Georgia.

6. Drainage rights contained in Right of Way Deed from Port Wentworth Corporation to State Highway Board of Georgia, not dated, filed for record March 10, 1943, and recorded in Deed Book 38-I, Page 19, in the Office of the Clerk of Superior Court, Chatham County, Georgia.

7. Easement Agreement by and among Georgia Industrial Realty Company, a Georgia corporation, Central of Georgia Railroad Company, a Georgia corporation, and City of Port Wentworth, a municipal corporation of the State of Georgia, dated April 6, 1973, filed for record April 13, 1973 at 3:25 p.m., and recorded in Deed Book 102-C, Page 321, in the Office of the Clerk of Superior Court, Chatham County, Georgia.

8. Reciprocal Easement and Operating Agreement by and between Cargo Group, Ltd., a Georgia corporation, and Gregory M. Parker, Inc., a Georgia corporation, dated April 12, 1995, filed for record June 5, 1995 at 4:23 p.m., and recorded in Deed Book 172-Z, Page 101, in the Office of the Clerk of Superior Court, Chatham County, Georgia.

9. Reservation of non-exclusive, perpetual easement for access, ingress, and egress from and to Georgia Highway 21 together with right to improve and maintain same as set forth in that certain Quitclaim Deed from Southern Region Industrial Realty, Inc. (successor in interest to Georgia Industrial Realty Company, Empire Land Company and Port Wentworth Corporation), a Georgia corporation, as Grantor, to Cargo Group, Ltd., a Georgia corporation, as Grantee, dated March 31, 1995, filed for record April 3, 1995 at 2:33 p.m., and recorded in Deed Book 172-A, Page 238, in the Office of the Clerk of Superior Court, Chatham County, Georgia.

10. Access easement as set forth in that certain Quitclaim Deed from Southern Region Industrial Realty, Inc., a Georgia corporation, as Grantor, to Cargo Group, Ltd., a Georgia corporation, as Grantee, dated May 24, 1996, filed for record May 28, 1996 at 3:09 p.m., and recorded in Deed Book 178-Y, Page 192, in the Office of the Clerk of Superior Court, Chatham County, Georgia

11. All matters disclosed on the following plats:

    (a) Plat of a 12.71 Acre Portion of the Southern Region Industrial Realty Tract prepared for The Cargo Group, Ltd. by James Whitley Reynolds, Georgia Registered Land Surveyor No. 2249, dated June 24, 1994, revised February 15, 1995, filed for record March 30, 1995 and recorded in Plat Book 14-P, Page 20, in the Office of the Clerk of Superior Court, Chatham County, Georgia.

    (b) Express Foods Subdivision, a 2.32 Acre Portion of a Portion of the Southern Region Industrial Realty Tract prepared for The Cargo Group, Ltd. by James Whitley Reynolds, Georgia Registered Land Surveyor No. 2249, dated April 12, 1995, revised May 23, 1995, filed for record March 30, 1995 and recorded in Plat Book 15-S, Page 3, in the Office of the Clerk of Superior Court, Chatham County, Georgia.

    (c) Plat of a 4.28 Acre Portion of the Southern Region Industrial Realty Tract prepared for The Cargo Group, Ltd. by James Whitley Reynolds, Georgia Registered Land Surveyor No. 2249, dated March 7, 1996, filed for record May 23, 1996, and recorded in Plat Book 14-P, Page 115, in the Office of the Clerk of Superior Court, Chatham County, Georgia.

    (d) Minor Subdivision Plat of a Portion of the Southern Region Industrial Realty Tract, prepared for Drayton-Parker Companies, LLC and First American Title Insurance Company by EMC Engineering Services, Inc., bearing the seal and certification of James M. Keaton, Georgia Professional Land Surveyor No. 2743, dated September 18, 2018, last revised March 11, 2019, filed for record April 29, 2019 and recorded in Plat Book 51, Page 796, in the Office of the Clerk of Superior Court, Chatham County, Georgia.

12. All matters disclosed on ALTA/NSPS Land Title Survey prepared for Drayton-Parker Companies, LLC by EMC Engineering Services, Inc., Job No. 18-0093, bearing the seal and certification of James M. Keaton, Georgia Professional Land Surveyor No. 2743, dated September 18, 2018, last revised February 26, 2019.

13. Rights of tenant in possession under unrecorded leases for outdoor advertising billboard signs.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Application (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

BK 51 PG 796
Participant ID: 4723663128
Tammie Mosley Clerk Superior Court
Chatham, Ga. Clerk Superior Court
Fee Amt: $8.00 Page 1 of 1
Recorded: 4/29/2019 3:28:00 PM
Type: PLAT

THIS BLOCK RESERVED FOR THE CLERK OF THE SUPERIOR COURT.

SURVEY NOTES

1. THE PURPOSE OF THIS SURVEY IS TO DIVIDE THE EXISTING PARCEL INTO 3 TRACTS. EXISTING PARCEL IS IDENTIFIED AS P.I.N. 7-0035-01-003 AND CONTAINS 10.388 ACRES.
2. FIELD EQUIPMENT USED FOR SURVEY: TOPCON PS 103A TOTAL STATION. COORDINATES WERE ESTABLISHED USING A CHAMPION GPS RECEIVER AND THE EGPS NETWORK.
3. THE FIELD DATA UPON WHICH THIS MAP OR PLAT IS BASED HAS A CLOSURE RATIO OF 1 FOOT IN 78,220 FEET, AND ANGULAR ERROR OF 2" PER ANGLE POINT, AND WAS ADJUSTED USING THE COMPASS RULE METHOD.
4. THE MAP DATA UPON WHICH THIS PLAT IS BASED HAS A CLOSURE RATIO OF 1 FOOT IN 204,651 FEET, AND WAS ADJUSTED USING THE COMPASS RULE METHOD.
5. SHOWN COORDINATES AND DIRECTIONAL VALUES ARE BASED ON GEORGIA STATE PLANE COORDINATE SYSTEM, EAST ZONE (NAD 1983).
6. ACCORDING TO F.I.R.M. MAP 13051C PANEL 0045G, PANEL REVISED AUGUST 16, 2018, THIS PROPERTY LIES WITHIN ZONES X
7. WETLANDS THAT MAY EXIST ARE UNDER THE JURISDICTION OF THE U.S. ARMY CORPS OF ENGINEERS AND/OR THE GEORGIA DEPARTMENT OF NATURAL RESOURCES. LOT OWNERS AND DEVELOPERS MAY BE SUBJECT TO PENALTY BY LAW FOR DISTURBANCE TO THESE PROTECTED AREAS WITHOUT PROPER PERMIT AND APPROVAL.
8. WATER AND SANITARY SEWER PROVIDED BY THE CITY OF SAVANNAH.
9. PROPERTY ADDRESS AS PER CURRENT CHATHAM COUNTY TAX RECORDS IS UNNUMBERED, STATE HIGHWAY 21, PORT WENTWORTH, GEORGIA.

APPROVED BY THE CITY ENGINEER, CITY OF PORT WENTWORTH

CITY ENGINEER ____ DATE ____

APPROVED BY THE PORT WENTWORTH PLANNING COMMISSION.

EXECUTIVE DIRECTOR ____ DATE ____

ALL STREETS, RIGHTS-OF-WAY, EASEMENTS AND ANY SITES FOR PUBLIC USE AS NOTED ON THIS PLAT ARE HEREBY DEDICATED FOR THE USE INTENDED.

OWNER ____ DATE 4/26/19

APPROVED BY THE MAYOR AND COUNCIL, CITY OF PORT WENTWORTH

MAYOR ____ DATE 4-25-19

COUNCIL MEMBER ____ DATE 4/25/19

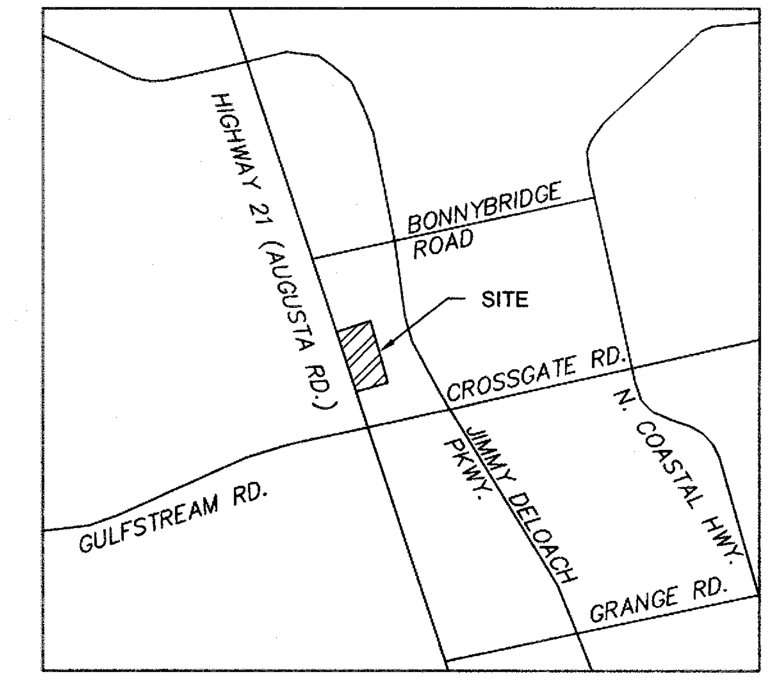
COUNCIL MEMBER ____ DATE 4/25/2019

COUNCIL MEMBER ____ DATE 4/25/19

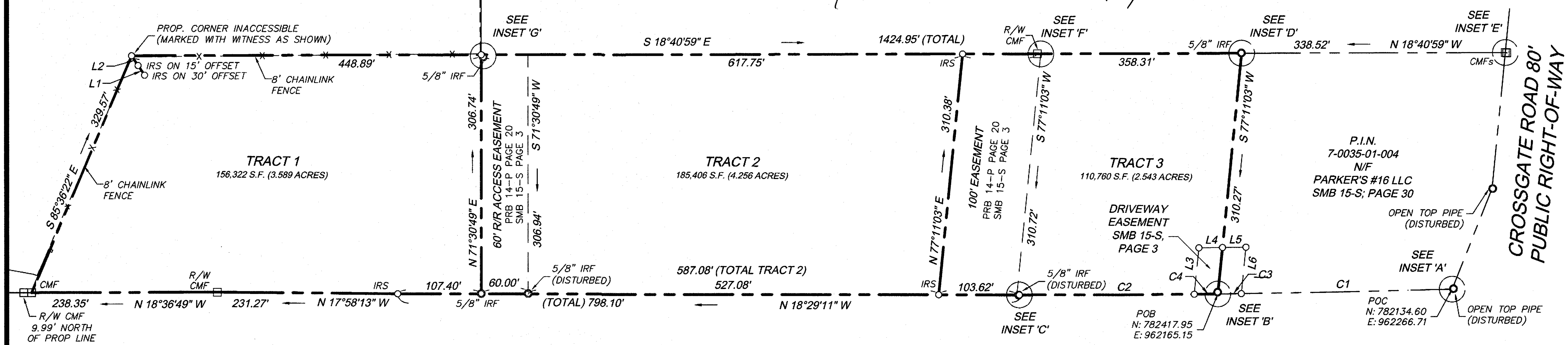
COUNCIL MEMBER ____ DATE 4/25/2019

COUNCIL MEMBER ____ DATE ____

COUNCIL MEMBER ____ DATE 4/25/19



VICINITY MAP
N.T.S.

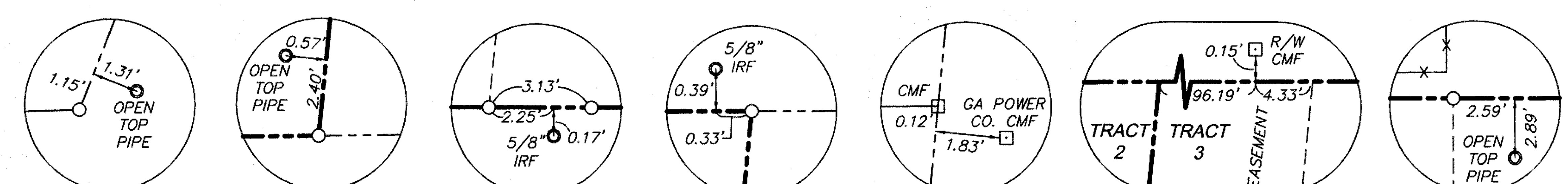


GRAPHIC SCALE: 1" = 100'

GEORGIA HIGHWAY 21 PUBLIC RIGHT-OF-WAY (VARIES)

CURVE TABLE				
CURVE #	BEARING	CHORD	RADIUS	ARC
C1	N19° 43' 06"W	301.00	17098.73	301.00
C2	N18° 47' 14"W	254.70	17098.73	254.71
C3	N19° 15' 53"W	30.19	17098.73	30.19
C4	N19° 09' 48"W	30.19	17098.73	30.19

LINE TABLE		
LINE#	DIRECTION	LENGTH
L1	N37° 48' 55"E	15.00
L2	N37° 48' 55"E	15.00
L3	N77° 11' 03"E	60.00
L4	S19° 12' 50"E	30.19
L5	S19° 12' 50"E	30.19
L6	S77° 11' 03"W	60.00



INSET 'A' NOT TO SCALE — INSET 'B' NOT TO SCALE — INSET 'C' NOT TO SCALE — INSET 'D' NOT TO SCALE — INSET 'E' NOT TO SCALE — INSET 'F' NOT TO SCALE — INSET 'G' NOT TO SCALE

REFERENCES

1. DEED BOOK 172-W, PAGE 491, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
2. PLAT OF A 12.71 ACRE PORTION OF THE SOUTHERN REGION INDUSTRIAL REALTY COMPANY TRACT, PREPARED FOR THE CARGO GROUP, LTD.; BY JAMES WHITLEY REYNOLDS, DATED JUNE 24, 1994, REVISED FEBRUARY 15, 1995, FILED FOR RECORD MARCH 30, 1995 AT 3:04 PM, RECORDED IN PLAT BOOK 14-P, PAGE 20, IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
3. EXPRESS FOODS SUBDIVISION, A 2.32 ACRE PORTION OF A PORTION OF THE SOUTHERN REGION INDUSTRIAL REALTY COMPANY TRACT, PREPARED FOR THE CARGO GROUP, LTD.; BY JAMES WHITLEY REYNOLDS, DATED APRIL 12, 1995, REVISED MAY 23, 1995, FILED FOR RECORD MARCH 30, 1995 AT 9:22 AM, RECORDED IN PLAT BOOK 15-S, PAGE 3, IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
4. DEED BOOK 31-F, PAGE 447, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
5. DEED BOOK 31-J, PAGE 414, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
6. DEED BOOK 35-C, PAGE 430, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
7. PLAT BOOK A, PAGE 179, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
8. DEED BOOK 36-C, PAGE 181, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
9. DEED BOOK 36-I, PAGE 255, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
10. DEED BOOK 38-I, PAGE 19, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
11. DEED BOOK 61-Y, PAGE 328, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
12. PLAT BOOK G, PAGE 42, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
13. DEED BOOK 77-O, PAGE 163, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
14. PLAT BOOK L, PAGE 160, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
15. DEED BOOK 91-B, PAGE 243, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
16. PLAT BOOK R, PAGE 134, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
17. DEED BOOK 102-C, PAGE 321, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
18. DEED BOOK 104-E, PAGE 803, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
19. PLAT BOOK Y, PAGE 21, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
20. DEED BOOK 107-P, PAGE 267, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
21. PLAT BOOK AA, PAGE 34, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
22. DEED BOOK 107-P, PAGE 269, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
23. PLAT BOOK AA, PAGE 17, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
24. DEED BOOK 107-P, PAGE 271, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
25. PLAT BOOK AA, PAGE 15, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
26. DEED BOOK 107-P, PAGE 273, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
27. PLAT BOOK AA, PAGE 23, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
28. DEED BOOK 172-Z, PAGE 101, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.
29. DEED BOOK 172-Z, PAGE 111, RECORDED IN THE OFFICE OF THE CLERK OF SUPERIOR COURT, CHATHAM COUNTY, GEORGIA.

LEGEND

PROPERTY BOUNDARY	
PROPERTY LINE	
1/2" IRON REBAR FOUND	IRF 1/2"
5/8" IRON REBAR FOUND	IRF 5/8"
CONCRETE MONUMENT FOUND	CMF
BENCHMARK SET	BMS
5/8" IRON ROD SET WITH CAP	IRS
EASEMENT BOUNDARY	
CALCULATED POINT (NO MONUMENT)	
RIGHT-OF-WAY MARKER FOUND	R/W CMF

SURVEYOR'S CERTIFICATION

GEORGIA REGISTERED No. 2743 PROFESSIONAL LAND SURVEYOR JAMES M KEATON

JAMES M. KEATON
GEORGIA PROFESSIONAL LAND SURVEYOR
PLS #2743 / COA #00110051

AS REQUIRED BY SUBSECTION (D) OF O.C.G.A. SECTION 15-6-67, THIS PLAT HAS BEEN PREPARED BY A LAND SURVEYOR AND APPROVED BY ALL APPLICABLE LOCAL JURISDICTIONS FOR RECORDING AS EVIDENCED BY APPROVAL CERTIFICATES, SIGNATURES, STAMPS, OR STATEMENTS HEREON. SUCH APPROVALS OR AFFIRMATIONS SHOULD BE CONFIRMED WITH THE APPROPRIATE GOVERNMENTAL BODIES BY ANY PURCHASER OR USER OF THIS PLAT AS TO INTENDED USE OF ANY PARCEL. FURTHERMORE, THE UNDERSIGNED LAND SURVEYOR CERTIFIES THAT THIS PLAT COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN THE RULES AND REGULATIONS OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN O.C.G.A. SECTION 15-6-67.

JAMES M. KEATON, GA PLS ____ DATE 04/25/2019

NO.	BY	DATE
-	-	-
-	-	-
-	-	-

EMC ENGINEERING SERVICES, INC.
10 Chatham Center S, Suite 100
Savannah, GA 31405
Ph: (912) 232-6533
Fax: (912) 233-4580
savannah@emc-eng.com
www.emc-eng.com
CIVIL
MARINE
ENVIRONMENTAL
ALBANY, ATLANTA, AUGUSTA, BRUNSWICK, COLUMBUS, STATESBORO, AND VALDOSTA

MINOR SUBDIVISION PLAT OF
A PORTION OF THE SOUTHERN REGION INDUSTRIAL REALTY COMPANY TRACT
8TH G.M. DISTRICT, PORT WENTWORTH, CHATHAM COUNTY, GEORGIA

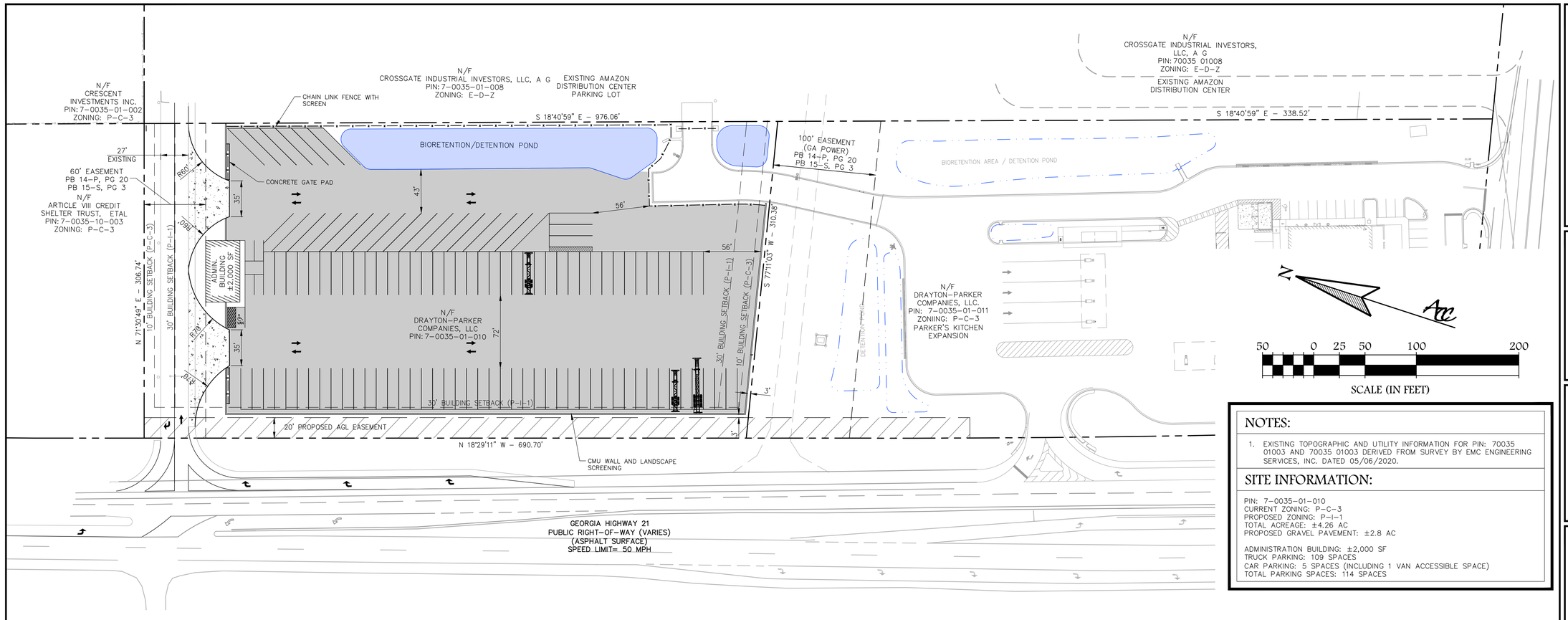
Prepared for:
DRAYTON-PARKER COMPANIES, LLC, A GEORGIA LIMITED LIABILITY COMPANY
FIRST AMERICAN TITLE INSURANCE COMPANY

PROJECT NO.:	18-0093
DRAWN BY:	SCH
DESIGNED BY:	-
SURVEYED BY:	TW
SURVEY DATE:	09/18/2018
CHECKED BY:	JMK
SCALE:	1" = 100'
DATE:	03/11/2019

SHEET 1 OF 1

O:\2018\18-0093 PARKER'S STORE 16\DWG\18-0093V_S01.DWG 4/25/2019 10:56 AM

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Plat (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck Yard)



NOTES:

1. EXISTING TOPOGRAPHIC AND UTILITY INFORMATION FOR PIN: 70035 01003 AND 70035 01003 DERIVED FROM SURVEY BY EMC ENGINEERING SERVICES, INC. DATED 05/06/2020.

SITE INFORMATION:

PIN: 7-0035-01-010
CURRENT ZONING: P-C-3
PROPOSED ZONING: P-I-1
TOTAL ACREAGE: ±4.26 AC
PROPOSED GRAVEL PAVEMENT: ±2.8 AC

ADMINISTRATION BUILDING: ±2,000 SF
TRUCK PARKING: 109 SPACES
CAR PARKING: 5 SPACES (INCLUDING 1 VAN ACCESSIBLE SPACE)
TOTAL PARKING SPACES: 114 SPACES

PERSPECTIVE FROM GA HIGHWAY 81 TRAVELING SOUTHEAST (ADMIN BUILDING NOT SHOWN)
N.T.S.

PERSPECTIVE FROM GA HIGHWAY 81 TRAVELING NORTHWEST
N.T.S.

ATLANTIC COAST CONSULTING, INC.
7 East Congress Street
Suite 801
Savannah, GA 31401
912-236-3471
www.atlcc.net

NOT RELEASED FOR CONSTRUCTION

PROJECT:

PORT WENTWORTH TRUCK YARD
PIN: 70035 01003
8th DISTRICT,
PORT WENTWORTH
CHATHAM COUNTY, GA

DRAYTON-PARKER, LLC

528 E 45TH STREET
SAVANNAH, GA 31405
(912) 220-5144

REVISIONS

A - Issued for PW Staff Review 06/30/2021

Drawn by:	Checked by:	QC by:
MJS		

PROJECT NUMBER:

I016-102

JUNE 2021

TRUCK YARD CONCEPT PLAN

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Concept Plan 6.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck Yard)

Project Timeline

7-0035-01-010 HWY 21 TRUCK YARD ZMA

Project Number 210306

Applicant: Marc Liverman

Review Engineer: TR Long Engineering

- 8/16/2021 – Application Received; incomplete – fee check was incorrect amount
- 8/17/2021 – sent email to Marc Liverman about the fees
- 8/18/2021 – Fee check received for the correct amount
- 8/23/2021 – Signs ordered and sent DIA to TR Long for review
- 9/10/2021 – Received 1st comment letter from TR Long. Forwarded to Marc Liverman.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - Timeline (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

City of Port Wentworth

Code of Ordinances

Appendix B – Zoning

Article IX – Amendements, Section 9.1 e.

Standards and Criteria for Making Zoning Amendments: Prior to making a zoning amendment, the Mayor and Council shall evaluate the merits of a proposed amendment according to the following criteria:

1. Whether the zoning proposal will permit a use that is suitable in view of the use and development of the adjacent and nearby property.

2. Whether the zoning proposal will adversely affect the existing use or a suitability of adjacent or nearby property.

3. Whether the property to be affected by the zoning proposal has a reasonable economic use as currently zoned.

4. Whether the zoning proposal will result in a use which will or could cause an excessive burdensome use of existing streets, transportation facilities, or schools.

5. If the local government has an adopted land use plan, whether the zoning proposal is in conformity with the policy and intent of the land use plan.

6. Whether there are existing or changing conditions affecting the use and development of the property which give supporting grounds for either approval or disapproval of the zoning proposal.

Attachment: Rezoning Questions from Ordinances (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck Yard)

114 North Commerce Street
Hinesville, Georgia 31313
Office: (912) 368-5664
Fax: (912) 368-7206

TR LONG ENGINEERING, P.C.

308 Commercial Drive
Savannah, Georgia 31406
Office: (912) 335-1046
Fax: (912) 355-1642

September 10, 2021

Mr. Brian Harvey
City of Port Wentworth
7224 Georgia Highway 21
Port Wentworth, Georgia 31407

Re: Port Wentworth Truck Yard
Highway 21 Truck Yard ZMA

Dear Mr. Harvey,

T. R. Long Engineering, P.C. has reviewed the "Development Impact Assessment, Port Wentworth Truck Yard" prepared by Atlantic Coast Consulting, Inc. dated August 2021. This submittal includes a Limited Noise Exposure Evaluation by Terracon dated August 3, 2021 and a Traffic Impact Study prepared by Robinson Transportation Consultants, LLC.

T. R. Long Engineering, P.C. concurs with the findings of the Development Impact Assessment along with the Noise Exposure Evaluation and Traffic Impact Analysis along with the following recommendations:

1. T. R. Long Engineering, P.C. recommends that a formal agreement be provided between the Amazon site and the developer to demonstrate access rights on the current driveway.
2. The proposed development will generate more traffic at the driveway location along State Route 21. T. R. Long Engineering concurs that the additional traffic will be less than 1% of the approach capacity and that improvements at the intersection of State Route 21 and Crossgate Toad be considered.

Should you have any questions, comments or need additional information please contact us.

Sincerely,

Trent R. Long, P.E.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - 1st Comment Letter TR Long 9.10.21 (2512 : Zoning Map Amendment 7-

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Drayton-Parker Companies, LLC

17 W. McDonough Street | Savannah, Georgia 31401

Port Wentworth Truckyard

Development Impact Assessment

AUGUST 2021

Development Impact Assessment

Table of Contents

I. Executive Summary

II. Introduction, Project Description, Objectives, Environmental Setting

III. Projected Impacts and Mitigation Alternatives

- a. Fiscal
- b. Community Facilities
  - i. Water Supply and Distribution
  - ii. Wastewater Collection and Treatment
  - iii. Solid Waste
  - iv. Stormwater Management
  - v. Stormwater Quality
  - vi. Schools
  - vii. Parks and Recreation
  - viii. Public Safety (Police and Fire)
  - ix. Traffic Impact Study
- c. Environmental Quality
  - i. Noise
  - ii. Jurisdictional and Non-Jurisdictional Wetlands
  - iii. Floodplain
  - iv. Waters of the State
  - v. Historic Resources
- d. Comprehensive Plan
- e. Proposed Operating Plan

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Table of Contents

Appendix A - Preliminary General Site Plans

Exhibit A: Preliminary General Site Plan

Exhibit B: Zoning

Exhibit C: Stormwater, Sewer, and Water Concept Plan

Exhibit D: Existing Topography and Soils

Appendix B - Traffic Impact Study (Robinson Transportation Consultants, LLC)

Appendix C - Noise Study (Terracon)

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

I. Executive Summary

Atlantic Coast Consulting, Inc.

This report was prepared on behalf of Drayton-Parker, LLC and is submitted in accordance with City of Port Wentworth Code of Ordinances Appendix B Article V Section 5.2. The intent of this report is to demonstrate the positive impact this development would provide its community if assigned a zoning designation of P-I-1. The undeveloped parcel (PIN# 7-0035-01-010), currently zoned P-C-3, is located on the eastern side of Highway 21 north of Parker's Kitchen at the intersection of Highway 21 and Crossgate Road. The parcel is mostly wooded with light to heavy underbrush. The adjacent properties include Parker's Kitchen to the south, Amazon Distribution Center to the east, an undeveloped parcel to the north, and Savannah Industrial and Domestic Water Plant to the west. The Future Development Strategy in the City of Port Wentworth's 2016-2036 Comprehensive Plan shows the area as Mixed Use. An ordinance has not been adopted to define the Mixed-Use Designation, but the Comprehensive Plan states that the area should be a "mix of residential, office, and commercial uses". The current development of this future Mixed-Use area consists of several industrial storage warehouses, an Amazon fulfillment warehousing facility, a Georgia Power Substation, a water treatment plant, and a Parker's Kitchen. It appears that the intent of the Future Development Strategy in the Comprehensive Plan has evolved from its original intent since the completion of the Jimmy Deloach Parkway. Given the industrial nature of surrounding properties, a zoning designation of P-I-1 would be appropriate.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

II. Introduction, Project Description, Objectives, Environmental Setting

The parcel consists of ±4.26 acres of undeveloped land with light to heavy underbrush. The existing soil and topographic conditions are shown in Exhibit D. There are currently no utilities servicing the property, however an existing watermain and sewer line can provide service to the property.

A preliminary general site plan is included in Exhibit A. The proposed truck/chassis yard development will consist of ±2.8 acres of gravel pavement, which will contain 109 spaces for truck parking and 5 spaces for cars (including 1 van accessible handicap space). A ±2,000sf administrative building will be constructed on the northern end of the site with ingress and egress being provided by a shared entrance with Amazon that intersects Highway 21. This entrance is right-in, right-out and left-in only and the yard will not have direct access to Crossgate Road.

No residences are present in the vicinity of the proposed development, and none are expected to be adversely impacted by construction nor operation of the truckyard.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

III. Projected Impacts and Alternatives

a. Fiscal

Upon completion, the expected value of this development is approximately $750,000 ($570,000 land value, $180,000 building value).

Based on the expected project value, the following tax revenue estimates for the City of Port Wentworth can be made:

$750,000 x 40% = $300,000 (approximate tax basis value)

$300,000 x 0.4571% (millage rate) = $1,371.30 (approx. City of Port Wentworth tax revenue)

b. Community Facilities

i. Water Supply and Distribution

No existing water lines service this parcel. Therefore, a service lateral will be routed from an existing City of Port Wentworth watermain along Crossgate Road. The anticipated 350 gpd to be used by the development is not expected to exceed the capacity of the existing water main. A concept plan for water supply is included in Exhibit C.

ii. Wastewater Collection and Treatment

The City of Port Wentworth will provide wastewater collection and treatment to this site. A connection will be made, via private gravity sewer lateral or a private grinder station force main, to the city's sewer system extended during the Parker's Kitchen expansion. An average of 100 gpd (peak 200 gpd) is expected to be generated by the truckyard and the existing treatment facility capacity is sufficient to handle this increase. A sewer concept plan is located in Exhibit C.

iii. Solid Waste

The proposed development is expected to produce approximately 85 tons of solid waste per year. The City of Port Wentworth will be able to accommodate this increase. It is not anticipated that hazardous waste will be generated by this development.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

iv. Stormwater Management

Stormwater will be routed via overland flow to a proposed bioretention/detention pond along the eastern edge of the development, where it will then be released at or below pre-development rates. A concept stormwater management concept layout is shown in Exhibit C.

v. Stormwater Quality

Utilizing Best Management Practices as described in the City of Port Wentworth's Code of Ordinances, the stormwater management system will be designed to meet or exceed stormwater quality requirements.

vi. Schools

The jobs created by this development are expected to be filled by local workers. Therefore, no impact on the capacity of the local school system is expected.

vii. Parks and Recreation

This development is not expected to affect the local parks and recreation facilities.

viii. Public Safety (Police and Fire)

This development is not expected to affect the local public safety services.

ix. Traffic Impact Study

In accordance with the City of Port Wentworth Code of Ordinances Article V Section 5.2, a Traffic Impact Study was conducted by Robinson Transportation Consultants, LLC and is included in Appendix B.

c. Environmental Quality

i. Noise

In accordance with the City of Port Wentworth Code of Ordinances Article V Section 5.2, a noise study was conducted by Terracon and is included in Appendix C. *(Note: Appendix C hard copy only contains noise data summaries. For complete data set regarding noise level data refer to electronic file)*

ii. Jurisdictional and Non-Jurisdictional Wetlands

Non-jurisdictional wetlands exist within the proposed development footprint. Any impacts to these wetlands will be permitted with the appropriate agencies prior to construction.

iii. Floodplain

This parcel is located in Flood Zone X.

iv. Waters of the State

No waters of the state are present within the proposed development.

v. Historic Resources

No known historic resources exist on or near this parcel.

d. Comprehensive Plan

Based on the City of Port Wentworth 2016-2036 Comprehensive Plan Future Development Strategy, the parcel is located in a “Mixed Use Community Character Area”. No ordinance currently exists to define nor implement this designation, but given the industrial nature of surrounding developments, the construction of a truckyard on this parcel will match the character of the surrounding developments.

e. Proposed Operating Plan

The development is expected to create 7-10 new jobs. The facility will operate as a truck and chassis storage yard that will support local warehousing operations. Hours of operation will vary by tenant but are generally expected to be during normal business hours.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

APPENDIX A

PRELIMINARY GENERAL SITE PLANS

EXISTING AMAZON
DISTRIBUTION CENTER
PARKING LOT

CHAIN LINK FENCE WITH
SCREEN

BIORETENTION/DETENTION POND

100' EASEMENT
(GA POWER)
PB 14-P, PG 20
PB 15-S, PG 3

27'
EXISTING

60' EASEMENT
PB 14-P, PG 20
PB 15-S, PG 3

R60'

CONCRETE GATE PAD

35'

43'

56'

56'

R60'

ADMIN.
BUILDING
±2,000 SF

VAN

10' BUILDING SETBACK (P-C-3)

30' BUILDING SETBACK (P-I-1)

R70'

35'

72'

30' BUILDING SETBACK (P-I-1)

30' BUILDING SETBACK (P-I-1)

10' BUILDING SETBACK (P-C-3)

DETENTION POND

3'

3'

20' PROPOSED AGL EASEMENT

CMU WALL AND LANDSCAPE
SCREENING

ATLANTIC COAST
CONSULTING, INC.
7 East Congress Street
Suite 801
Savannah, GA 31401
912-236-3471
www.atlcc.net

PORT WENTWORTH TRUCKYARD
DEVELOPMENT IMPACT ASSESSMENT

EXHIBIT A
PRELIMINARY GENERAL SITE PLAN

PROJECT : I073-102
DATE: 08/10/21
BY: CCH

P:\Industrial\I073-Drayton-Parker\101-PW Truck Yard\3-Design Data\8-Development Impact\DWG\I073-102-A.dwg 8/11/21 CLARA HODGES

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

N/F
CROSSGATE INDUSTRIAL INVESTORS, LLC, A G
PIN: 7-0035-01-008
ZONING: E-D-Z

N/F
CRESCENT
INVESTMENTS INC.
PIN: 7-0035-01-002
ZONING: P-C-3

S 18°40'59" E – 976.06'

RBF 5/8

PC

RBF 5/8

4" RWMF

N/F
ARTICLE VIII CREDIT
SHELTER TRUST, ETAL
PIN: 7-0035-10-003
ZONING: P-C-3

N/F
DRAYTON-PARKER
COMPANIES, LLC.
PIN: 7-0035-01-011
ZONIING: P-C-3
PARKER'S KITCHEN
EXPANSION

S 77°11'03" W – 310.38'

N/F
DRAYTON-PARKER
COMPANIES, LLC
PIN: 7-0035-01-010
EXISTING ZONING: P-C-3
PROPOSED ZONING: P-I-2

N 71°30'49" E – 306.74'

5/8" RBF

1/2" RBF DISTURBED

RBF 5/8

PC 5/8" RBF

N 18°29'11" W – 690.70'

50 0 25 50

SCALE (IN FEET)

ATLANTIC COAST
CONSULTING, INC.
7 East Congress Street
Suite 801
Savannah, GA 31401
912-236-3471
www.atlcc.net

PORT WENTWORTH TRUCKYARD
DEVELOPMENT IMPACT ASSESSMENT

EXHIBIT B
ZONING

PROJECT : 1073-102
DATE: 08/10/21
BY: CCH

P:\Industrial\1073-Drayton--Porter\101-PW Truck Yard\3-Design Data\8-Development Impact\DWG\1073-102-B.dwg 8/10/21 CLARA HODGES

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

EXISTING AMAZON
DISTRIBUTION CENTER
PARKING LOT

PROPOSED DETENTION POND

PROPOSED DETENTION POND

ASPHALT SURFACE

ASPHALT SURFACE

GRAVEL DRIVE

GRAVEL DRIVE

GRAVEL DRIVE

GATE

GATE

VAN

RBF 5/8

5/8" RBF

5/8" RBF DISTURBED

RBF 5/8

PC

5/8" RBF DISTURBED

4" RWMF

8"W

DETENTION POND

BILLBOARD

W

SS

50 0 25 50

SCALE (IN FEET)

ATLANTIC COAST CONSULTING, INC.
7 East Congress Street
Suite 801
Savannah, GA 31401
912-236-3471
www.atlcc.net

PORT WENTWORTH TRUCKYARD
DEVELOPMENT IMPACT ASSESSMENT

EXHIBIT C
STORMWATER, SEWER, AND WATER CONCEPT PLAN

PROJECT : 1073-102
DATE: 08/10/21
BY: CCH

P:\Industrial\1073-Drayton-Parker\101-PW Truck Yard\3-Design Data\0-Development Impact\DWG\1073-102-B.dwg 8/11/21 CLARA HODGES

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

N/F
CRESCENT
INVESTMENTS INC.
PIN: 7-0035-01-002
ZONING: P-C-3

N/F
CROSSGATE INDUSTRIAL INVESTORS, LLC, A G
PIN: 7-0035-01-008
ZONING: E-D-Z

N/F
ARTICLE VIII CREDIT
SHELTER TRUST, ETAL
PIN: 7-0035-10-003
ZONING: P-C-3

N/F
DRAYTON-PARKER
COMPANIES, LLC
PIN: 7-0035-01-010

N/F
DRAYTON-PARKER
COMPANIES, LLC.
PIN: 7-0035-01-011
ZONIING: P-C-3
PARKER'S KITCHEN
EXPANSION

As
Ok
Lp

SYMBOL	DESCRIPTION
As	ALBANY FINE SAND
Ok	OGEECHEE LOAMY FINE SAND
Lp	LAKELAND SAND

50 0 25 50
SCALE (IN FEET)

ATLANTIC COAST CONSULTING, INC.
7 East Congress Street
Suite 801
Savannah, GA 31401
912-236-3471
www.atlcc.net

PORT WENTWORTH TRUCKYARD
DEVELOPMENT IMPACT ASSESSMENT

EXHIBIT D
EXISTING TOPOGRAPHY AND SOILS

PROJECT : I073-102
DATE: 08/10/21
BY: CCH

P:\Industrial\073-Drayton-Parker\101-PW Truck Yard\3-Design Data\8-Development Impact\DWG\073-102-B.dwg 8/10/21 CLARA HODGES

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

APPENDIX B

TRAFFIC IMPACT STUDY

(ROBINSON TRANSPORTATION CONSULTANTS, LLC)

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Traffic Impact Study

Port Wentworth Truck Yard
Drayton-Parker, LLC

Prepared By:
Robinson Transportation Consultants, LLC
3010 Andora Drive
Marietta, GA 30064
(770) 630-4640

Prepared For:
Atlantic Coast Consulting, Inc.
7 East Congress Street Suite 801
Savannah, GA 31401
(912) 236-3471

Traffic Impact Study
Port Wentworth Truck Yard
Drayton-Parker, LLC
Preliminary Timing Report

	Page
Introduction	1
Existing Conditions	3
Trip Generation	4
Forecast of Off-Site Traffic Volumes	4
Trip Assignments	6
Review of Site Plan	11
Traffic Analysis	11
Summary of Findings and Recommendations	15

List of Tables

Table 1: GDOT Historical ADT	6
Table 2: Intersection Level of Service Criteria	11
Table 3: Peak Hour Traffic Analysis	13 & 14

List of Figures

Figure 1; Site Plan	2
Figure 2: Existing Peak Hour Traffic	5
Figure 3: Opening Year Peak Hour Traffic w/o Project	7
Figure 4: Trip distribution	8
Figure 5: Peak Hour Project Trips	9
Figure 6: Opening Year Peak Hour Traffic w / Project	10

Appendix

A – Traffic Counts
B – Trip Generation Traffic Counts
C – Trip Data for 5816 Highway 21 Thomas & Hutton
1500 Crossgate Road Traffic Impact Study
D – HCM Analysis

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck Yard)

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Introduction

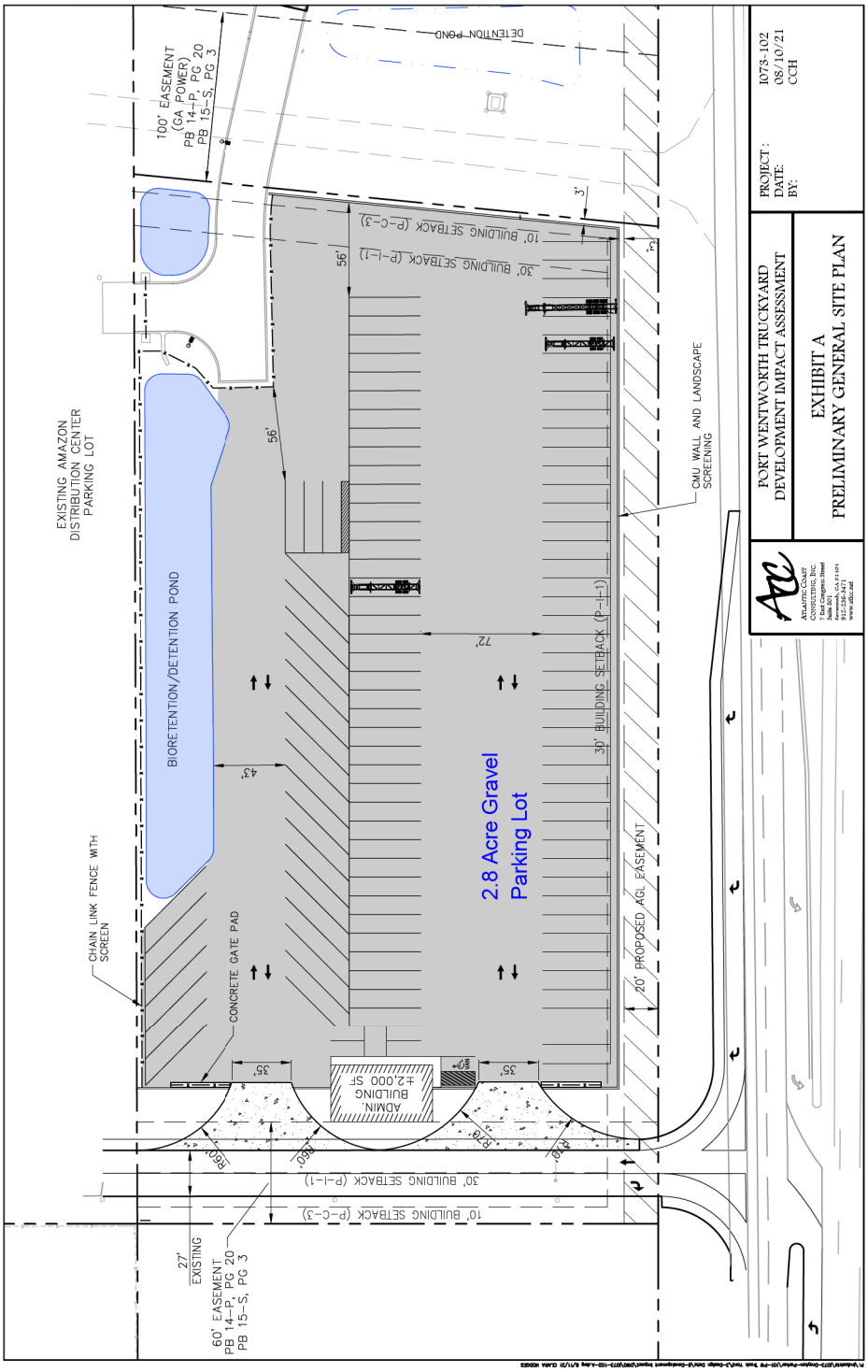
Robinson Transportation Consultant, LLC a civil engineering firm specializing in traffic engineering has prepared a traffic impact study for the Port Wentworth Truck Yard. The traffic impact study will be conducted per the City of Port Wentworth's City Ordinances Appendix B. The Port Wentworth Truck will be a 2.8 acre gravel parking lot for the storage of truck chassis. The Port Wentworth Truck Yard will be located bordering US 21 north of Crossgate Road in the southeast corner of the intersection of Amazon Warehouse driveway (across from Water Filtration Plant Road) and US 21. The truck yard will have two two-way driveways accessing the Amazon Driveway. Both of these driveways are gated; however; gates will be open at all times during hours of operation. The Amazon driveway has been permitted by GDOT and presently being used by Amazon. The intersection of SR 21 and Water Filtration Plant Road / Amazon driveway is a channelized intersection to prevent through and left turn vehicles from Water Filtration Road and the Amazon driveway onto or across SR 21. Northbound and southbound left turns can be made from SR 21 to both Water Filtration Road and the Amazon driveway. Figure 1 is the site plan for the proposed Port Wentworth Truck Yard.

The peak hours of the traffic study were based on a GDOT traffic count conducted in November of 2019, The peak periods for conducting turning movement were determined to be from 6:30 A.M. to 8:30 A.M. and 3:30 P.M. to 5:30 P.M. The ADT on SR 21 in 2019 was 32,100 vehicles at the GDOT Count Station location. A 24-hour count was also conducted at the time of the turning movement counts at the same location the ADT of the count was 32,200 vehicles after converting the raw count with GDOT traffic factors. This indicted that the volume of traffic was similar to the existing count.

Intersection turning movement counts were collected at the intersections of SR 21 at Bonnybridge Road, SR 21 at Water Filtration Plant Road / Amazon Driveway and SR 21 at Gulfstream Road / Crossgate Road.

The projected number of trip ends generated by the proposed truck yard was determined by conducting counts at three similar sites since the ITE Trip Generation Manual does not have a land use that matches the use being proposed at this site. The results of the trip generation analysis indicate that the proposed 2.8 acre gravel lot will generate 252 trips per day with 78% of the trips being trucks. The truck trips are divided between 28% being a truck without a trailer and 50% of the total trips being truck with a trailer. The trailers are either picked up or dropped off in the truck yard. The trip generation and vehicle distribution is based on the existing parking lot that generated the most traffic during the time of the study.

The study limits were limited to the closest intersection signalized intersection north and south of the Amazon driveway. The City traffic impact ordinance proposes that the study take into consideration intersections through which at least 5% of the peak hour capacity at an intersection approach will be composed of trips generated by the proposed development. To determine the limits of our study initially the percent of the ADT on SR 21 was taken into consideration the ADT south the site is 32,200 vehicles per day which 5% of is 1,610 trips per day which is 6.4 times greater than the anticipated trips from the site. Therefore; the study



Robinson Transportation Consultants, LLC

FIGURE 1

Site Plan
Port Wentworth Truck Yard
Chatham County, GA

NTS

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

limits were limited to the intersections of SR 21 at Crossgate Road / Gulfstream Road to the south and SR 21 at Bonnybridge Road to the north.

Existing Conditions

The Truck Yard will have access to SR 21 by way of the Amazon Warehouse driveway. The existing Amazon driveway is a bi-directional two-lane road. At the intersection of SR 21 and the Amazon Warehouse driveway the westbound approach to the intersection has only a right turn lane. The median is constructed to prevent left turn and through movements from the Amazon driveway and Water Filtration Plant Road onto SR 21. The median does allow southbound and northbound left turn movements onto the Amazon driveway and Water Filtration Plant Road.

SR 21 is a four-lane divided major arterial with a median and turn lanes at the intersections. The speed limit on SR 21 is 50 mph. This is a major north south route through Port Wentworth between the I-95 interstate and I-516.

Jimmy Deloach Parkway is a limited access roadway providing access between I-95 and the Savannah Port. It runs parallel to SR 21 from when it crosses SR 21 to Bourne Avenue providing a limited access facility to access the port over using the surface roads in the vicinity of the port accept for the short distance from the end Jimmy Deloach Parkway at Bourne Avenue (SR 307) to the port entrance at the end of Bourne Avenue (SR 307). The access from SR 21 to Jimmy Deloach Parkway is by of the Sonny Dixon Interchange which is a four-lane roadway with a flush median. At the intersection of SR 21 and Sonny Dixon Interchange the westbound approach has two left turn lane and a channelized right turn lane. The southbound approach has a single left turn lane and the northbound approach has a free flow right turn lane.

Bonnybridge Road (SR 30) is a two-lane undivided roadway minor arterial. The speed limit on Bonnybridge is only 35 mph. At the intersection of SR 21 and Bonnybridge Road the eastbound approach has separate left and right turn lanes as Bonnybridge Road as it approaches SR 21.

Crossgate Road is a two-lane undivided major collector maintained by the City of Port Wentworth. The speed limit on Crossgate Road east of SR 21 is 45 mph. Crossgate is signed to prohibit trucks as it approaches the City of Port Wentworth residential area.

The intersections that are analyzed in the study are the signalized intersections of SR 21 at Bonnybridge Road, SR 21 at Crossgate Road and the unsignalized intersection of SR 21 at Water Filtration Plant Road / Amazon driveway. The two signalized intersections are part of a coordinated traffic signal system along SR 21. The signalized intersections are operating with a one hundred eighty second cycle length during the a.m. and p.m. peak hours.

At the intersection of SR 21 and Crossgate Road / Gulfstream Road the intersection operates with protected only left phasing northbound and southbound. This is primarily because of northbound dual left turn lanes from SR 21 to Gulfstream Road. The lanes at the intersection are shown in Exhibit 2 along with the existing turning movement counts at the intersection during the peak hour. The phasing also includes protected/permissive left turn phasing for the eastbound left turn lane from Gulfstream Road to SR 21. The westbound left turn movement is permissive only. The northbound, southbound and eastbound right turn lanes are channelized.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

The intersection of SR 21 at Bonnybridge Road is signalized with the only protected left turn movement being the southbound left turn phase.

The a.m. and p.m. peak hour turning movement counts for the three study intersections along SR 21 are shown in Figure 2.

Trip Generation

To determine the anticipated trips generated by a develop the ITE Trip Generation Manual is generally used to obtain a trip generation rate for a particular land use. The Trip Generation Manual does not have a similar use as to what is proposed at the Port Wentworth Truck Yard. Due to lack of data traffic counts were conducted at three different truck yards managed by three different trucking firms. The trucking yards are located at 290 Telfair Road and 310 Telfair Road. The yard at 290 Telfair Road has 1.8 acre gravel parking lot. 310 Telfair Road is divided into two separate lots with one lot having a 2.35 acre gravel parking lot and the other lot has a 3.35 acre gravel lot. The total vehicles in and out of each of the parking lots were counted from 5:00 A.M. to 8:00 P.M. During 15 hour period the 1.8 acre gravel truck parking lot had a total of 71 vehicles entering and exiting, the 2.35 acre gravel lot had 212 vehicles entering and exiting, and the 3.35 acre gravel lot had only had 126 vehicles entering and exiting. The 2.35 acre lot had the highest rate of trips generated per acre at 90 trips per acre with 78% being a truck either truck and trailer or just the truck cab. Of the 78% trucks entering and exiting the site 27% are just the truck cab or bob-tails.

The peak hour trip generation is based on the peak traffic periods on SR 21 which is between the hours of 6:30 a.m. and 8:30 a.m. and 3:30 p.m. to 5:30 p.m. The highest one hour of trips in and out of the 2.35 acre lot at 310 Telfair Road was determined to be 15 vehicles during the a.m. peak period and 18 vehicles during the p.m. peak period. Based on these counts the rate of trips per acre during the a.m. peak is 6.38 trips per acre and during the p.m. peak is 7.66 trips per acre. This results in the proposed Port Wentworth Truck Yard 2.8 acre lot generating 18 trips during the a.m. peak hour and 22 vehicles during the p.m. peak hour.

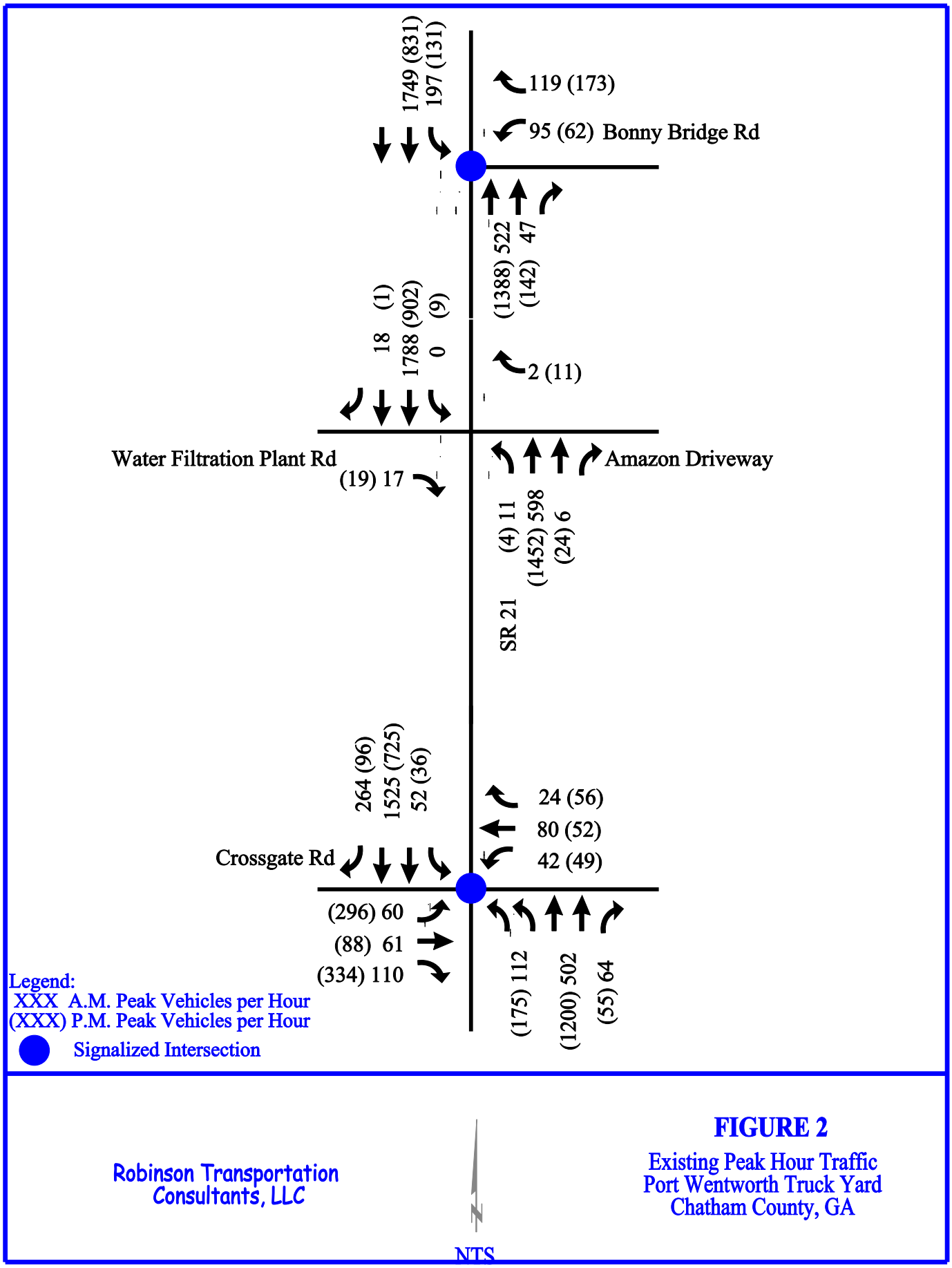
The numbers of trips that are predicated to be generated by the proposed 2.8 acre gravel parking lot are:

Daily Trip Ends:	252 vehicles per day with 126 enter and 126 exit
A.M. Peak Hour Trips;	18 vehicles with 11 enter and 7 exit
P.M. Peak Hour Trips =	22 vehicles with 11 enter and 11 exit

As stated previously 78% of the daily trips will be trucks. During the A.M. peak 87% of the vehicles will be trucks and during the p.m. peak 78% of the vehicles will be trucks.

Forecast of Off-Site Traffic Volumes

The proposed development will be constructed within the year. Exiting GDOT Traffic Count files were reviewed to determine the historical traffic growth patterns. The two traffic count sites in the vicinity of the proposed truck yard show minimal growth during the last few years. One count



Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

station is located on SR 21 just south of the Sammy Dixon Interchange and the other is located on SR 21 just south of Crossgate Road. The traffic count volumes at the two sites are located in Table 1.

Table 1
GDOT HISTORICAL ADT

GDOT STATION	DESCRIPTION	2015	2016	2017	2018	2019	2020
51_1157	SR 21 South of Sammy Dixon Interchange	N/A	N/A	34,100	33,800	34,100	30,800
51_0166	SR 21 South of Crossgate Rd	34,000	32,200	32,400	31,900	32,100	28,900

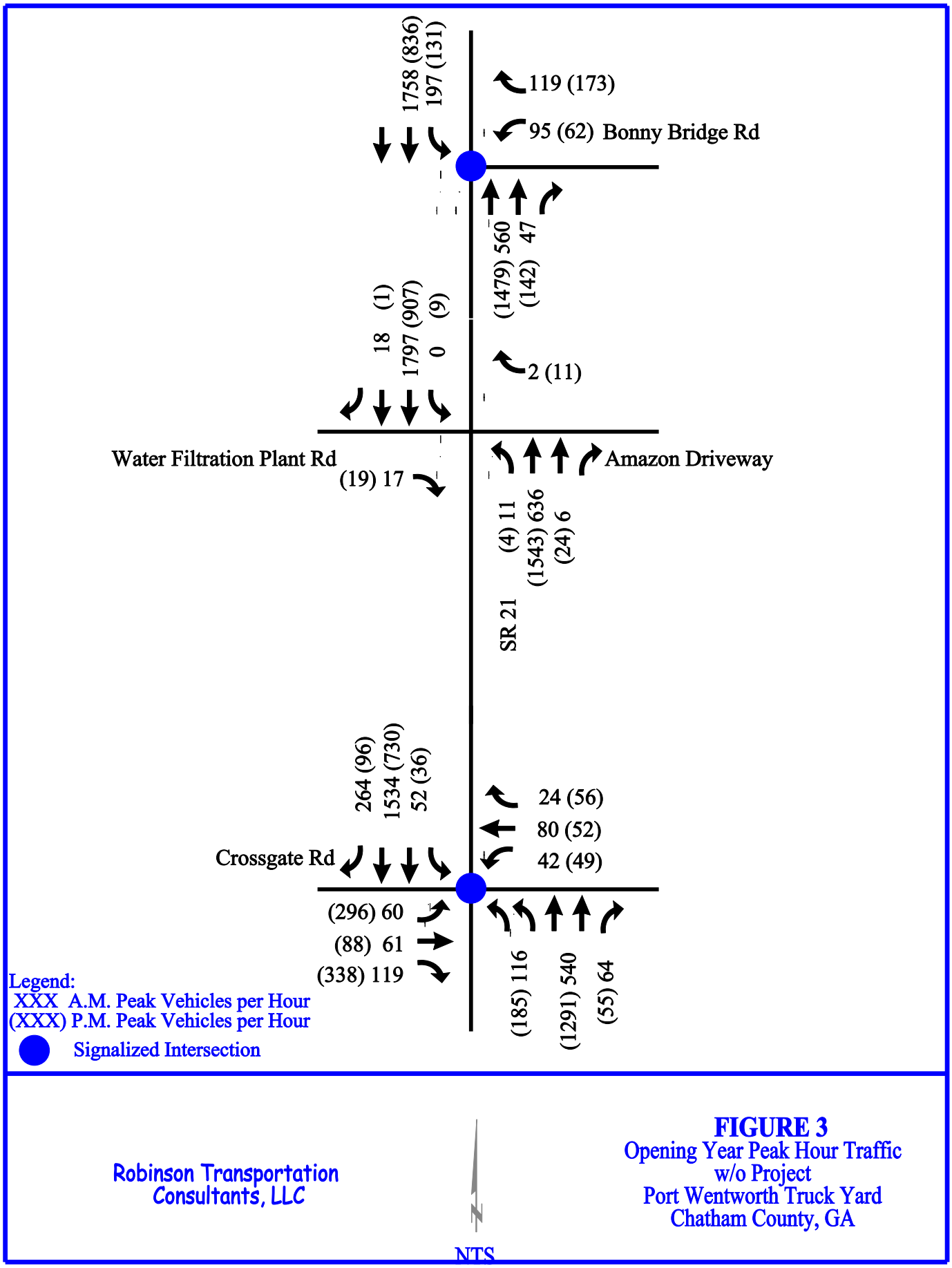
The GDOT traffic data shows less than 1% growth in traffic on this section of SR 21. The minimal of growth is due the addition growth in traffic north of the count station accessing Jimmy Deloach Parkway. Since the proposed truck yard is expected to be occupied within the next 12 months no background traffic growth was considered.

In review of proposed developments in the area there is an on-going warehouse development along SR 21 and Crossgate Road that a couple of buildings have recently been constructed and presently there is a 1,218, 360 sf warehouse under construction. This warehouse should be completed by the time the proposed truck yard begins operation. With the minimal growth in traffic along SR 21 it is assumed that the only additional traffic that needs to be considered for this study is the proposed traffic from the warehouse under construction. A traffic impact study was prepared by Thomas & Hutton in 2016 that included the warehouse at 5816 Highway 21 presently under construction. This study will be used to determine the trip generation and distribution from this warehouse. The future traffic along SR 21 with the opening of this building is shown in Figure 3. The trip distribution for this building from the Thomas & Hutton traffic impact study is provided in the appendix.

Trip Assignments

The distribution of the trips entering and exiting the site will be dependent on the intersection layout and the location of warehouses and access to the port. The purpose of the proposed development is primarily the storage of truck trailers. The truck trailers will primarily be empty when stored on site and will most likely be loaded at a warehouse to deliver freight to the port or loaded at the port to deliver freight at a warehouse. The exiting trucks will be required due to intersection geometrics to turn right out of the Amazon driveway. The trucks will tend to travel to the Sammy Dixon interchange to access Jimmy Deloach Parkway to go to the port or to access I-95 and the several warehouses in the area. The trucks coming back to the storage yard will tend to use several routes back to the yard. The trucks from the port can use either SR 301 to northbound SR 21 turning into the site right onto the Amazon driveway or use Jimmy Deloach Parkway therefore it was assumed that 55% of the vehicles will be entering from the south and 45% entering from the north. Of the 55% from the south it is anticipated that 10% of the vehicles will be using Gulfstream Road and 45% would be from south of Crossgate Road on SR 21. The proposed trip distribution is shown in Figure 4 and the project trip assignments are shown in Figure 5. The total peak hour intersection traffic volumes including project are shown in Figure 6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck



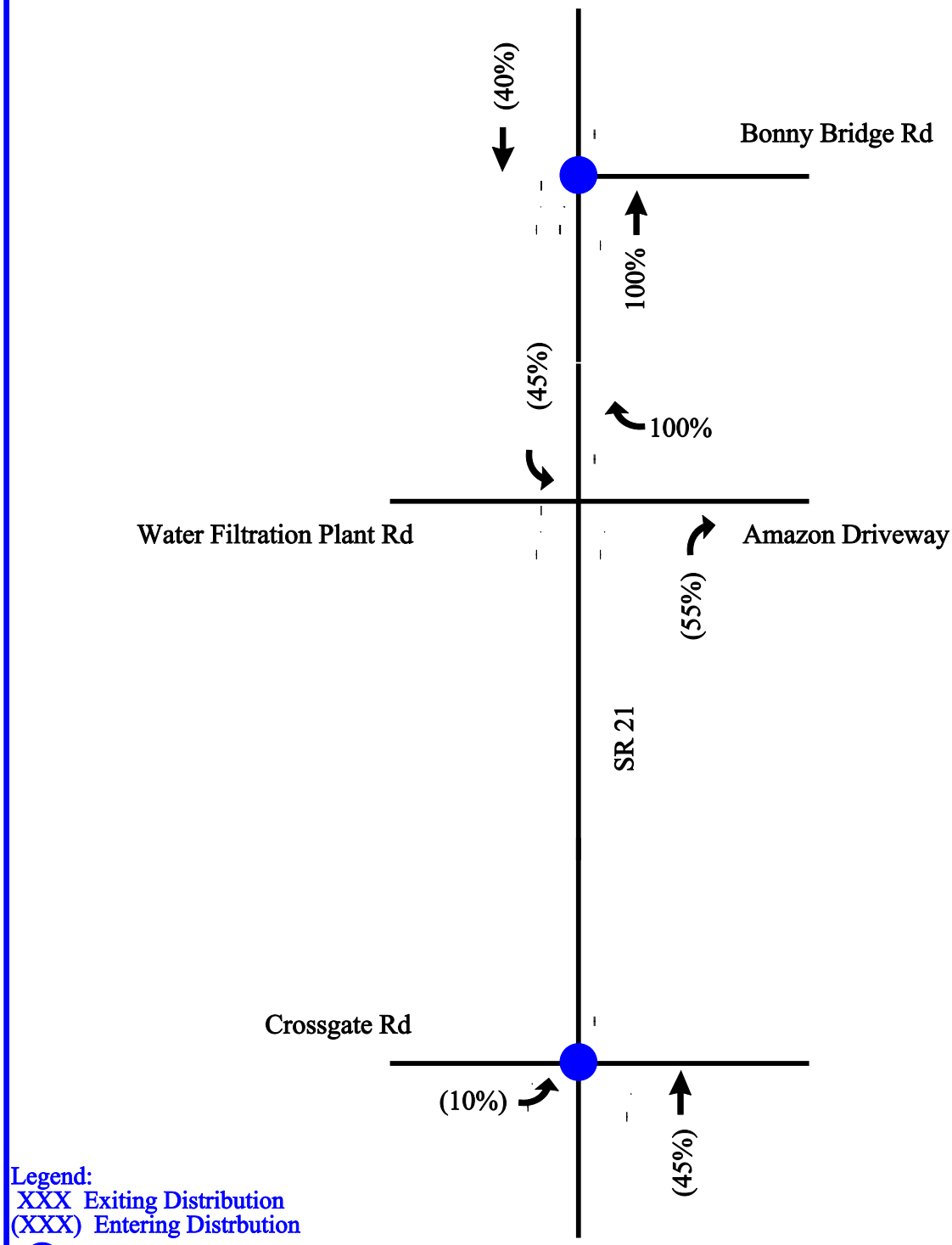
Robinson Transportation Consultants, LLC

N

NTS

FIGURE 3
Opening Year Peak Hour Traffic
w/o Project
Port Wentworth Truck Yard
Chatham County, GA

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck



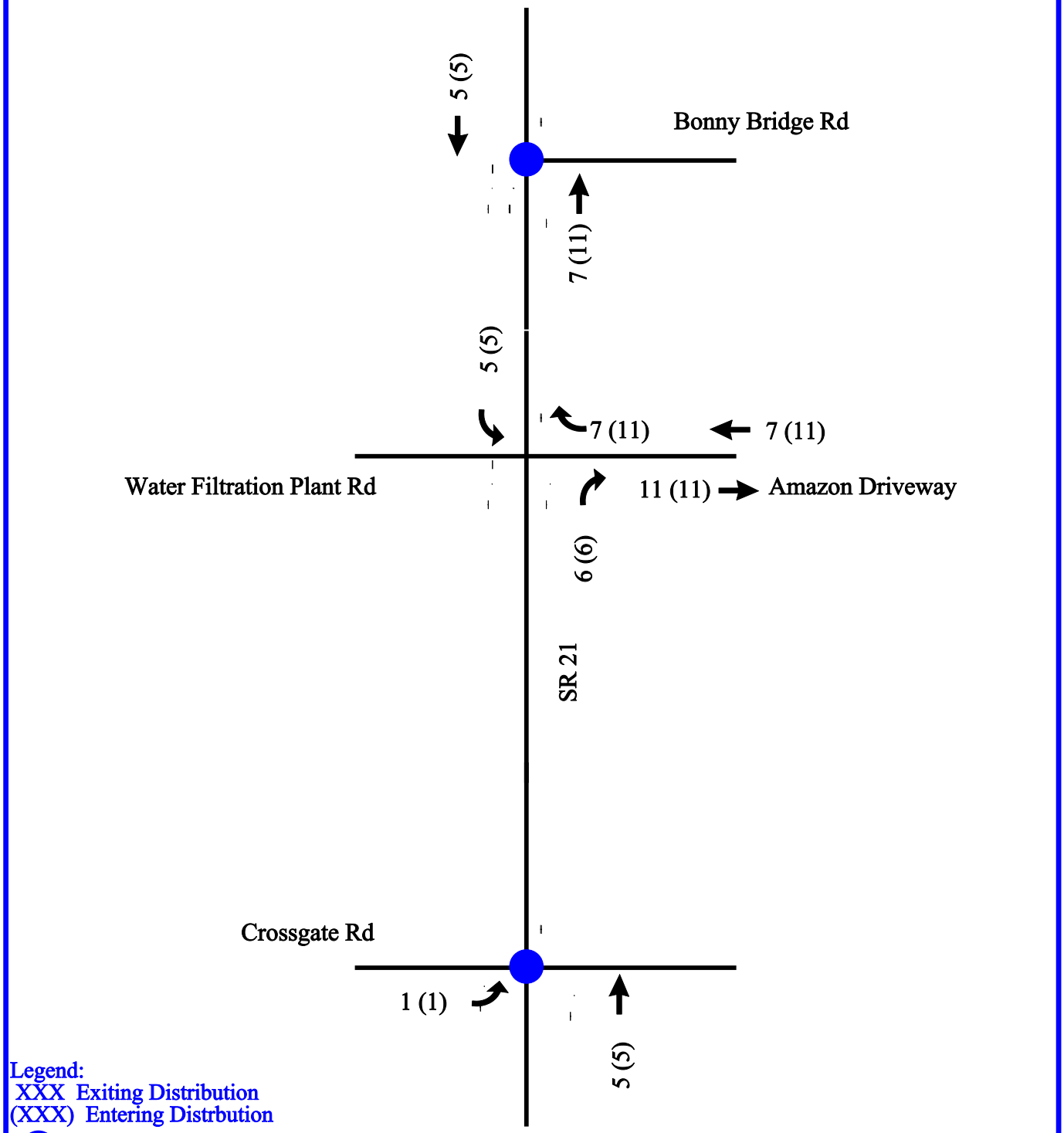
Robinson Transportation Consultants, LLC

NTS

FIGURE 4

Trip Distrbution
Port Wentworth Truck Yard
Chatham County, GA

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck



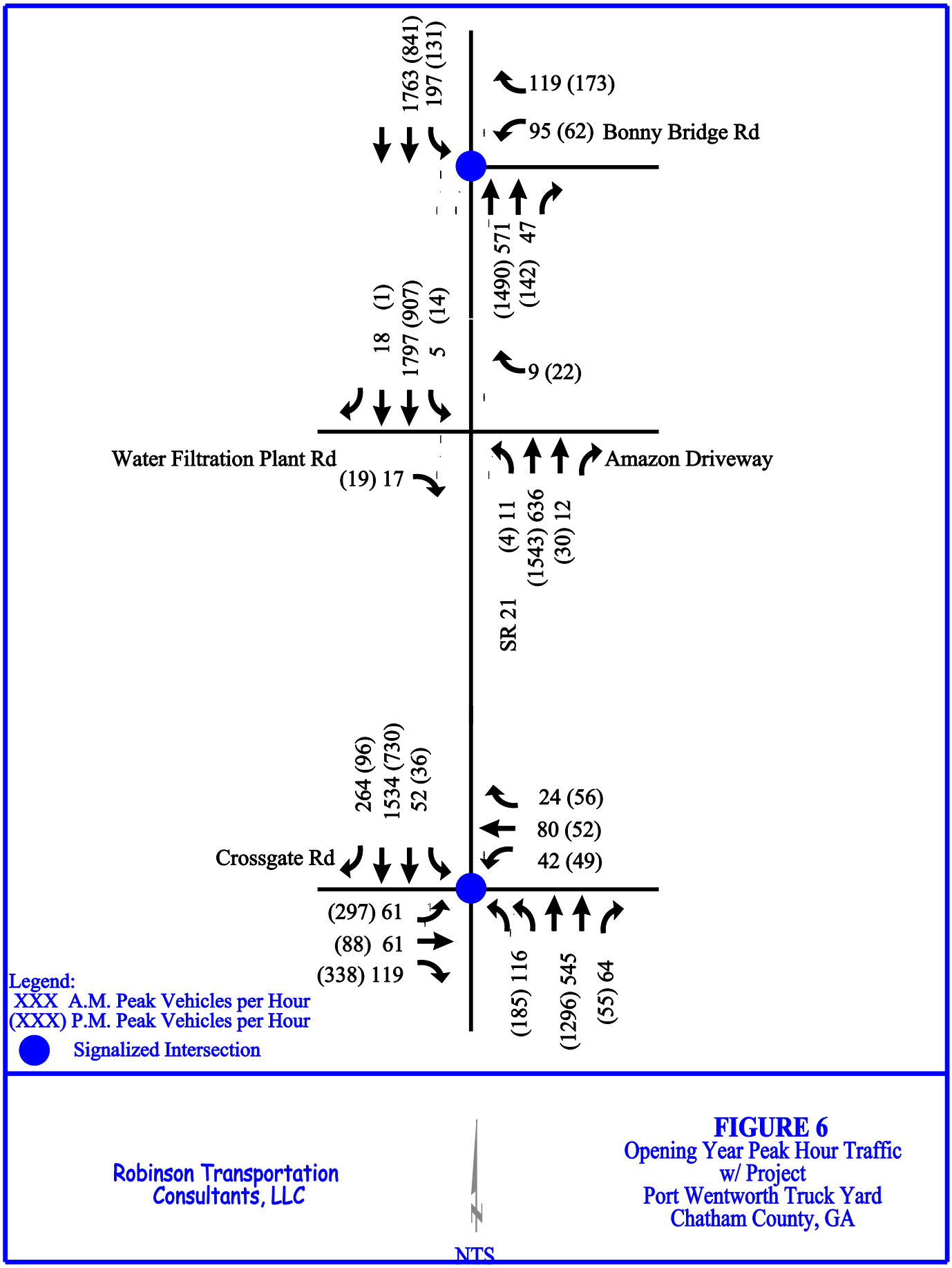
Robinson Transportation Consultants, LLC

NTS

FIGURE 5

Peak Hour Project Trips
Port Wentworth Truck Yard
Chatham County, GA

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck



Robinson Transportation Consultants, LLC

N

NTS

FIGURE 6
Opening Year Peak Hour Traffic
w/ Project
Port Wentworth Truck Yard
Chatham County, GA

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Review of Site Plan

The proposed Port Wentworth Truck Yard will have two driveways accessing the Amazon Driveway. The volume and rate of trucks entering the site will be minimal during the peak hour and should have adequate room to enter the parking area. The gates will be open at all times during operating hours so there should be no delay or minimal delay for the trucks entering the site. In addition there is an existing left turn lane and an existing right turn lane so if there is any delay with a truck entering the lot the trucks can be stored for a short while in the turn lane and it should not cause any issues with the through traffic on SR 21. Site plan is shown in Figure 1.

Traffic Analysis

To measure the existing traffic flow condition along a roadway and the impact of a development the traffic operational behavior needs to be determined. The traffic operation at an intersection is measured by Level of Service (LOS); a qualitative measure of performance of an intersection based on delay. LOS is determined based on procedures in the Highway Capacity Manual (HCM) published by the Transportation Research Board. Level of Service is measured from LOS A, free flow conditions with little or no delay to LOS F, a total breakdown in the system with long delays and long queue lengths. The operation of a roadway or an intersection in an urbanized area is generally acceptable if it is LOS D or better based on the Georgia Department of Transportation Design Manual. For a signalized intersection LOS E occurs at an average delay of over 55 seconds per vehicle. At LOS E there are generally long queues and it takes at least two or more traffic cycles for a vehicle to clear the intersection. The range of LOS for a signalized and an unsignalized intersection is provided in Table 2. The HCM analysis procedures are followed by the SYNCRO traffic analysis software, which can be used to determine the LOS of an intersection.

Table 2
Intersection Level of Service Criteria

Level Of Service (LOS)	Control Delay Per Vehicle (sec)	
	Stop-Sign Control	Signal Control
A	< 10	< 10
B	> 10 and ≤ 15	> 10 and ≤ 20
C	> 15 and ≤ 25	> 20 and ≤ 35
D	> 25 and ≤ 35	> 35 and ≤ 55
E	> 35 and ≤ 50	> 55 and ≤ 80
F	> 50	> 80

The total projected traffic volumes including the proposed development for the opening year of 2022 is shown in Figure 6. A traffic analysis was performed for the three intersections of the traffic study intersections. The results of the traffic analysis are shown in Table 2. At the signalized intersections of SR 21 at Crossgate Road / Gulfstream Road and SR 21 at Bonnybridge Road the existing traffic signal timings were used. The existing traffic signal timings were updated in 2021 and a 180 second cycle length is used during the a.m. and p.m. peak hours.

The long cycle length at the intersection of SR 21 and Crossgate Road / Gulfstream Road creates long delays for the minor movements during the A.M. peak hours. The intersection LOS

during the a.m. peak at SR 21 and Crossgate Road / Gulfstream Road with and without the project is LOS C which is acceptable. The LOS with existing traffic at the SR 21 and Crossgate Road / Gulfstream Road is LOS E which is not desirable because the eastbound left turn movement from Gulfstream Road to SR 21 is operating with a volume / capacity ratio of greater than 1.0. The traffic signal splits for with the 180 second cycle length can be optimized to provide allow the intersection to operate at LOS D with the future traffic with and without the project. The revised timings will increase the delay for the traffic on SR 21. Due the heavy volume of eastbound left turn vehicles from Gulfstream Road to SR 21 it may eventually require a dual left turn lane to provide adequate capacity for the eastbound left turn vehicles. The capacity analysis also shows that the proposed truck yard will be considerable less than 5% of the approach capacity at the intersection since the maximum increase in volume to capacity ratio (V/C) between with and without the proposed project is from 0.92 to 0.91 in the northbound direction with the exiting timings indicating that the project trips are only 1% of the northbound through movement capacity.

The intersection of SR 21 at Bonnybridge Road will operate at LOS A in the A.M. peak and LOS B in the P.M. peak with the project traffic. The V/C ratio did increase in either the northbound or southbound through movement on SR 21 between the future traffic conditions with and without the proposed project indicating that the proposed project will have minimum impact on the traffic flow on SR 21.

At the unsignalized intersection of SR 21 at Water Filtration Road / Amazon Driveway during the a.m. peak the addition of the truck yard will have a minor impact on the southbound left from SR 21 (LOS B) to Amazon Driveway and the right turn movement from Amazon Driveway onto SR 21 (LOS B). During the P.M. peak the southbound left turn from SR 21 to Amazon Driveway will increase decrease from LOS B to LOS C indicating increased delay for this movement. The right turn movement from Amazon Driveway to SR 21 will decrease from LOS C to LOS D which indicates an increase in delay; however; this movement will still have adequate capacity and should operate efficiently.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map

Table 3

Peak Hour Traffic Analysis (LOS / Volume/Capacity)									
Description	Intersection	NB Left	NB Thru	SB Left	SB Thru	EB Left	EB Thru	WB Left	WB Thru
SR 21 at Crossgate Rd Existing A.M.	C	F / 0.80	B / 0.27	F / 0.81	A / 0.70	E / 0.54	E / 0.34	F / 0.46	F / 0.80
SR 21 at Crossgate Rd 2022 A.M. W/O Project	C	F / 0.80	B / 0.29	F / 0.81	A / 0.71	E / 0.54	E / 0.34	F / 0.46	F / 0.80
SR 21 at Crossgate Rd 2022 A.M. W/ Project	C	F / 0.80	B / 0.29	F / 0.81	A / 0.71	E / 0.54	E / 0.34	F / 0.46	F / 0.80
SR 21 at Crossgate Rd Existing P.M.	E	F / 0.87	C / 0.74	F / 0.70	A / 0.41	F / 1.26	D / 0.24	F/ 0.50	F / 0.47
Revised Splits	D	F / 0.86	D / 0.85	F / 0.70	A / 0.48	F / 0.90	D / 0.18	F / 0.50	F / 0.48
SR 21 at Crossgate Rd 2022 P.M. W/O Project	E	F / 0.88	C / 0.79	F / 0.70	A / 0.42	F / 1.26	D / 0.24	F / 0.50	F / 0.47
Revised Splits	D	F / 0.86	D / 0.91	F / 0.70	A / 0.49	F / 0.90	D / 0.18	F / 0.50	F / 0.48
SR 21 at Crossgate Rd 2022 P.M. W/ Project	E	F / 0.88	C / 0.80	F / 0.70	A / 0.42	F / 1.26	D / 0.24	F/ 0.50	F / 0.47
Revised Splits	D	F / 0.87	D / 0.92	F / 0.70	A / 0.49	E / 0.91	D / 0.18	F / 0.50	F / 0.48
SR 21 at Amazon Drwy Existing A.M.		C / 0.079		A / 0.0			C / 0.135		B / 0.012
SR 21 at Amazon Drwy 2022 A.M. W/O Project		C / 0.079		A / 0.0			C / 0.135		B / 0.012
SR 21 at Amazon Drwy 2022 A.M. W/ Project		C / 0.079		B / 0.012			C / 0.135		B / 0.076
SR 21 at Amazon Drwy Existing P.M.		B / 0.012		B / 0.024			B / 0.071		C / 0.13
SR 21 at Amazon Drwy 2022 P.M. W/O Project		B / 0.012		B / 0.026			B / 0.072		C / 0.14
SR 21 at Amazon Drwy 2022 P.M. W/ Project		B / 0.012		C / 0.063			B / 0.072		D / 0.388

Table 3 (Continued)

SR 21 @ Bonnybridge Rd Existing A.M.	B		A / 0.26	A / 0.34	A / 0.66			F / 0.63	F / 0.89
SR 21 @ Bonnybridge Rd 2022 A.M. W/O Project	B		A / 0.28	A / 0.35	A / 0.67			F / 0.63	F / 0.89
SR 21 @ Bonnybridge Rd 2022 A.M. W/ Project	B		A / 0.28	A / 0.36	A / 0.67			F / 0.63	F / 0.89
SR 21 @ Bonnybridge Rd Existing P.M.	A		A / 0.73	A / 0.49	A / 0.33			E / 0.29	F / 0.92
SR 21 @ Bonnybridge Rd 2022 P.M. W/O Project	B		A / 0.78	A / 0.52	A / 0.34			E / 0.29	F / 0.92
SR 21 @ Bonnybridge Rd 2022 P.M. W/ Project	B		A / 0.78	A / 0.52	A / 0.34			E / 0.29	F / 0.92

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Summary Findings and Recommendations

A traffic study has been prepared for the Port Wentworth Truck Yard to be located at on the Amazon driveway off of SR 21. Based on the study the findings are:

- The truck yard will generate approximately 252 trips per day with 78% being trucks with trailers, 27% are a bobtail truck.
- During the A.M. peak the truck yard will generate 18 trips with 11 entering and 7 exiting
- During the P.M. peak the truck yard will generate 22 trips with 11 entering and 11 exiting
- Traffic Analysis of existing traffic volumes and timing work indicated that the intersections of SR 21 and Crossgate Road / Gulfstream Road is operating at LOS F during the p.m peak hour because the heavy eastbound left turn movement does not have adequate left turn time.
- Recommend reviewing the operation of the intersection of SR 21 and Crossgate Road /Gulfstream Road during the p.m. peak of the intersection 3:30 p.m. to 4:30 p.m. and adjust timing splits as needed to provide adequate green time for the eastbound left turn movement.
- The traffic generated by the Truck Yard will be 1% or less of the available approach capacity in the northbound southbound direction at the intersections of SR 21 at Bonnybridge Road and SR 21 at Crossgate Road / Gulfstream Road.

Appendix A
Traffic Counts

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Greater Traffic Company

File Name : 01
Site Code :
Start Date : 7/20/2(
Page No : 1

Groups Printed- Vehicles - Trucks - Buses

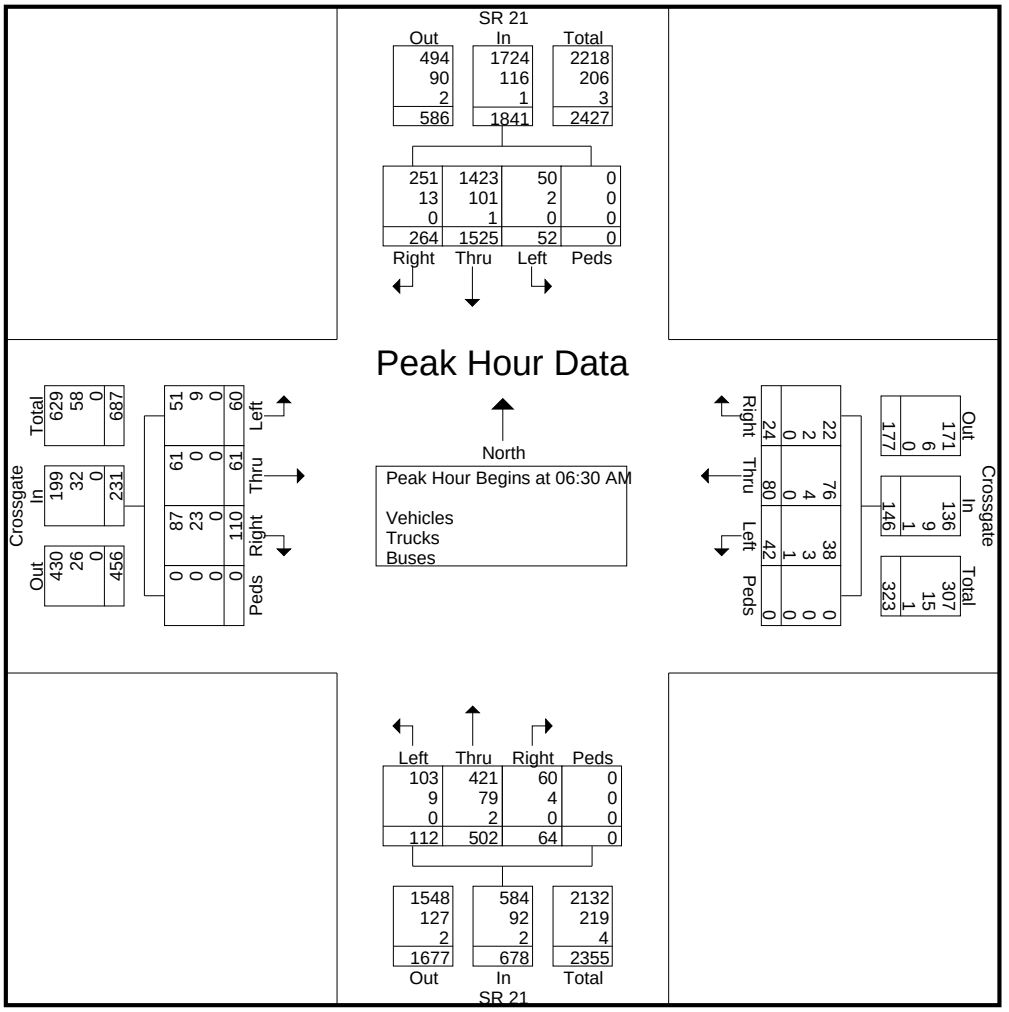
	SR 21 Northbound					SR 21 Southbound					Crossgate Eastbound					Crossgate Westbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. To
06:30 AM	20	126	21	0	167	10	399	64	0	473	13	10	31	0	54	14	19	3	0	36	7
06:45 AM	28	145	22	0	195	18	371	91	0	480	13	26	33	0	72	14	19	10	0	43	7
Total	48	271	43	0	362	28	770	155	0	953	26	36	64	0	126	28	38	13	0	79	15
07:00 AM	24	103	11	0	138	9	389	54	0	452	15	12	25	0	52	10	25	8	0	43	6
07:15 AM	40	128	10	0	178	15	366	55	0	436	19	13	21	0	53	4	17	3	0	24	6
07:30 AM	39	153	22	0	214	16	351	58	0	425	21	11	24	0	56	10	13	7	0	30	7
07:45 AM	38	155	21	0	214	18	288	74	0	380	16	12	22	0	50	11	16	3	0	30	6
Total	141	539	64	0	744	58	1394	241	0	1693	71	48	92	0	211	35	71	21	0	127	27
08:00 AM	46	115	20	0	181	12	292	58	0	362	15	9	38	0	62	9	14	5	0	28	6
08:15 AM	24	135	18	0	177	12	290	46	0	348	12	10	26	0	48	9	9	5	0	23	5
*** BREAK ***																					
Total	70	250	38	0	358	24	582	104	0	710	27	19	64	0	110	18	23	10	0	51	12
*** BREAK ***																					
03:30 PM	57	302	15	0	374	9	195	37	0	241	100	29	81	0	210	14	9	9	0	32	8
03:45 PM	40	288	16	0	344	9	164	18	0	191	72	25	86	0	183	10	20	13	0	43	7
Total	97	590	31	0	718	18	359	55	0	432	172	54	167	0	393	24	29	22	0	75	16
04:00 PM	34	299	10	0	343	12	201	20	0	233	57	22	77	0	156	8	8	18	0	34	7
04:15 PM	44	311	14	0	369	6	165	21	0	192	67	12	90	0	169	17	15	15	0	47	7
04:30 PM	51	297	17	0	365	5	209	25	0	239	69	22	62	0	153	12	19	14	0	45	8
04:45 PM	48	310	20	0	378	14	204	19	0	237	43	19	68	0	130	11	20	7	0	38	7
Total	177	1217	61	0	1455	37	779	85	0	901	236	75	297	0	608	48	62	54	0	164	31
05:00 PM	34	270	5	0	309	7	173	37	0	217	48	20	65	0	133	31	33	20	0	84	7
05:15 PM	64	320	16	0	400	14	191	22	0	227	49	24	60	0	133	13	33	21	0	67	8
Grand Total	631	3457	258	0	4346	186	4248	699	0	5133	629	276	809	0	1714	197	289	161	0	647	118
Apprch %	14.5	79.5	5.9	0		3.6	82.8	13.6	0		36.7	16.1	47.2	0		30.4	44.7	24.9	0		
Total %	5.3	29.2	2.2	0	36.7	1.6	35.9	5.9	0	43.4	5.3	2.3	6.8	0	14.5	1.7	2.4	1.4	0	5.5	
Vehicles	545	3036	244	0	3825	177	3861	627	0	4665	573	274	711	0	1558	186	282	155	0	623	106
% Vehicles	86.4	87.8	94.6	0	88	95.2	90.9	89.7	0	90.9	91.1	99.3	87.9	0	90.9	94.4	97.6	96.3	0	96.3	90
Trucks	84	415	14	0	513	9	383	72	0	464	56	1	98	0	155	10	7	6	0	23	11
% Trucks	13.3	12	5.4	0	11.8	4.8	9	10.3	0	9	8.9	0.4	12.1	0	9	5.1	2.4	3.7	0	3.6	9
Buses	2	6	0	0	8	0	4	0	0	4	0	1	0	0	1	1	0	0	0	1	
% Buses	0.3	0.2	0	0	0.2	0	0.1	0	0	0.1	0	0.4	0	0	0.1	0.5	0	0	0	0.2	0

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Greater Traffic Company

File Name : 01
Site Code :
Start Date : 7/20/2(
Page No : 2

	SR 21 Northbound					SR 21 Southbound					Crossgate Eastbound					Crossgate Westbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. To
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 06:30 AM																					
06:30 AM	20	126	21	0	167	10	**399**	64	0	473	13	10	31	0	54	**14**	19	3	0	36	7
06:45 AM	28	**145**	**22**	0	**195**	**18**	371	**91**	0	**480**	13	**26**	**33**	0	**72**	14	19	**10**	0	**43**	**7**
07:00 AM	24	103	11	0	138	9	389	54	0	452	15	12	25	0	52	10	**25**	8	0	43	6
07:15 AM	**40**	128	10	0	178	15	366	55	0	436	**19**	13	21	0	53	4	17	3	0	24	6
Total Volume	112	502	64	0	678	52	1525	264	0	1841	60	61	110	0	231	42	80	24	0	146	28
% App. Total	16.5	74	9.4	0		2.8	82.8	14.3	0		26	26.4	47.6	0		28.8	54.8	16.4	0		
PHF	.700	.866	.727	.000	.869	.722	.956	.725	.000	.959	.789	.587	.833	.000	.802	.750	.800	.600	.000	.849	.9
Vehicles	103	421	60	0	584	50	1423														
% Vehicles	92.0	83.9	93.8	0	86.1	96.2	93.3	95.1	0	93.6	85.0	100	79.1	0	86.1	90.5	95.0	91.7	0	93.2	91
Trucks	9	79	4	0	92	2	101	13	0	116	9	0	23	0	32	3	4	2	0	9	2
% Trucks	8.0	15.7	6.3	0	13.6	3.8	6.6	4.9	0	6.3	15.0	0	20.9	0	13.9	7.1	5.0	8.3	0	6.2	8
Buses	0	2	0	0	2	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	
% Buses	0	0.4	0	0	0.3	0	0.1	0	0	0.1	0	0	0	0	0	2.4	0	0	0	0.7	0

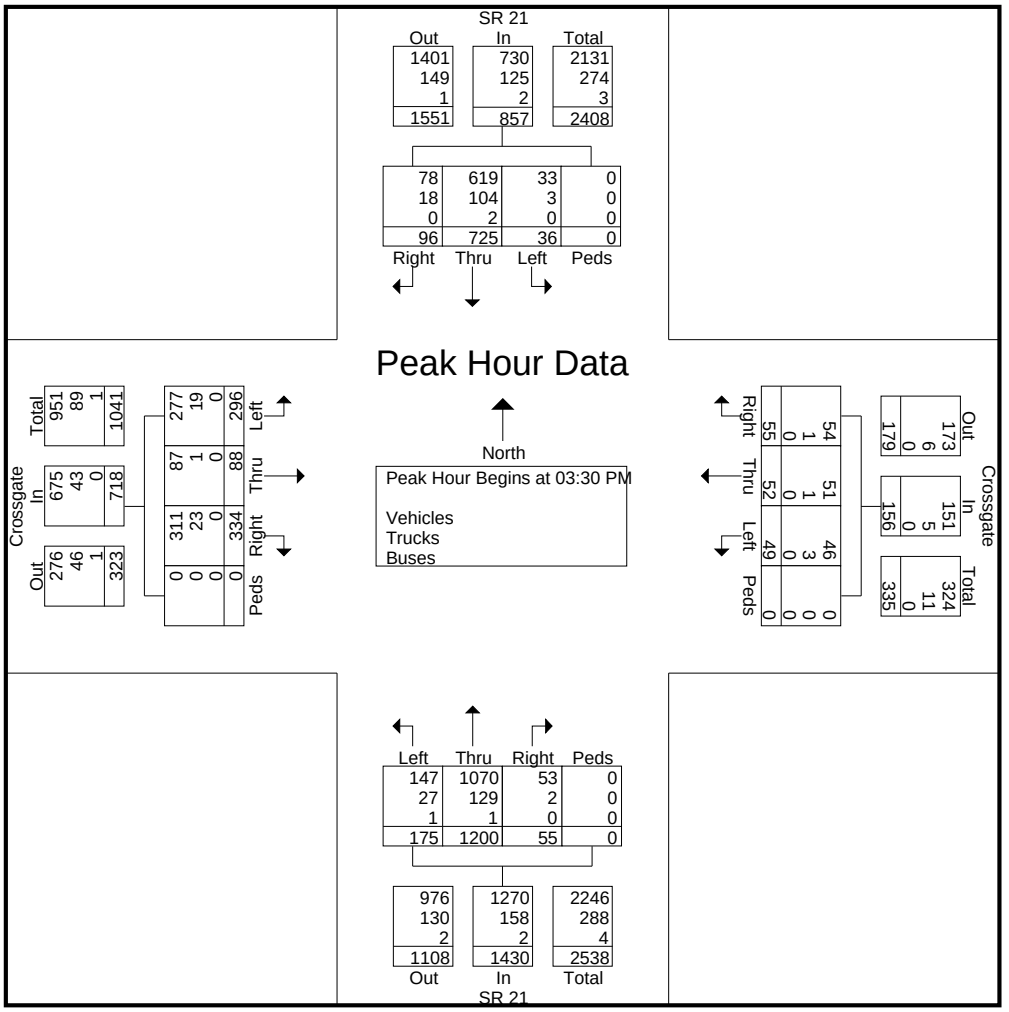


Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Greater Traffic Company

File Name : 01
Site Code :
Start Date : 7/20/2(
Page No : 3

	SR 21 Northbound					SR 21 Southbound					Crossgate Eastbound					Crossgate Westbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. To
Peak Hour Analysis From 03:30 PM to 05:15 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 03:30 PM																					
03:30 PM	**57**	302	15	0	**374**	9	195	**37**	0	**241**	**100**	**29**	81	0	**210**	14	9	9	0	32	**8**
03:45 PM	40	288	**16**	0	344	9	164	18	0	191	72	25	86	0	183	10	**20**	13	0	43	7(
04:00 PM	34	299	10	0	343	**12**	**201**	20	0	233	57	22	77	0	156	8	8	**18**	0	34	7(
04:15 PM	44	**311**	14	0	369	6	165	21	0	192	67	12	**90**	0	169	**17**	15	15	0	**47**	7
Total Volume	175	1200	55	0	1430	36	725	96	0	857	296	88	334	0	718	49	52	55	0	156	31(
% App. Total	12.2	83.9	3.8	0		4.2	84.6	11.2	0		41.2	12.3	46.5	0		31.4	33.3	35.3	0		
PHF	.768	.965	.859	.000	.956	.750	.902	.649	.000	.889	.740	.759	.928	.000	.855	.721	.650	.764	.000	.830	.9
Vehicles	147	1070																			
% Vehicles	84.0	89.2	96.4	0	88.8	91.7	85.4	81.3	0	85.2	93.6	98.9	93.1	0	94.0	93.9	98.1	98.2	0	96.8	89
Trucks	27	129	2	0	158	3	104	18	0	125	19	1	23	0	43	3	1	1	0	5	3
% Trucks	15.4	10.8	3.6	0	11.0	8.3	14.3	18.8	0	14.6	6.4	1.1	6.9	0	6.0	6.1	1.9	1.8	0	3.2	10
Buses	1	1	0	0	2	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	
% Buses	0.6	0.1	0	0	0.1	0	0.3	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0



Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Greater Traffic Company

File Name : 05
Site Code : 0
Start Date : 7/20/2(
Page No : 1

Groups Printed- Vehicles - Trucks - Buses

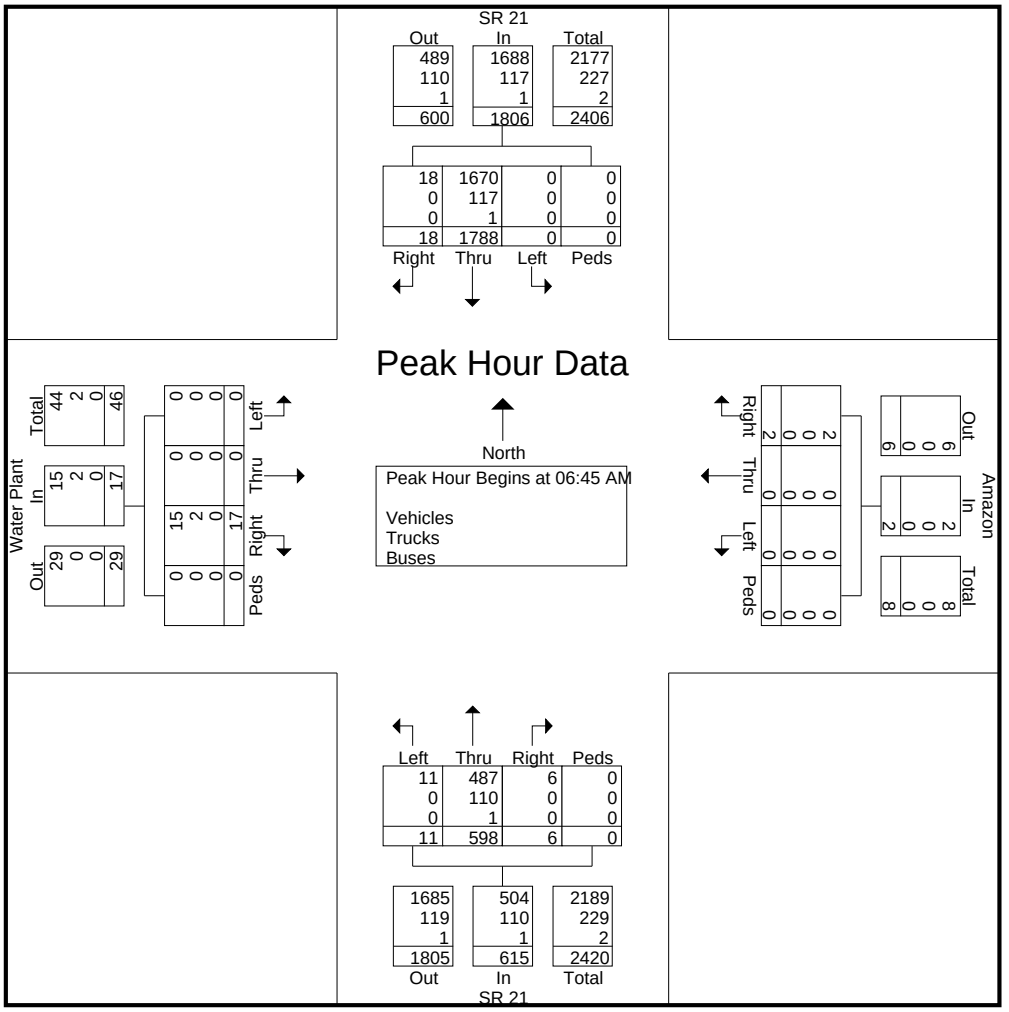
	SR 21 Northbound					SR 21 Southbound					Water Plant Eastbound					Amazon Westbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. To
06:30 AM	3	125	0	0	128	0	446	3	0	449	0	0	2	0	2	0	0	0	0	0	5
06:45 AM	6	163	0	0	169	0	481	6	0	487	0	0	2	0	2	0	0	0	0	0	6
Total	9	288	0	0	297	0	927	9	0	936	0	0	4	0	4	0	0	0	0	0	12
07:00 AM	3	133	2	0	138	0	463	2	0	465	0	0	5	0	5	0	0	0	0	0	6
07:15 AM	0	141	1	0	142	0	424	3	0	427	0	0	8	0	8	0	0	0	0	0	5
07:30 AM	2	161	3	0	166	0	420	7	0	427	0	0	2	0	2	0	0	2	0	2	5
07:45 AM	4	184	0	0	188	1	382	0	0	383	0	0	0	0	0	0	0	0	0	0	5
Total	9	619	6	0	634	1	1689	12	0	1702	0	0	15	0	15	0	0	2	0	2	23
08:00 AM	0	144	1	0	145	0	361	0	0	361	0	0	0	0	0	0	0	0	0	0	5
08:15 AM	1	154	1	0	156	1	344	1	0	346	0	0	1	0	1	0	0	0	0	0	5
*** BREAK ***																					
Total	1	298	2	0	301	1	705	1	0	707	0	0	1	0	1	0	0	0	0	0	10
*** BREAK ***																					
03:30 PM	2	392	0	0	394	0	222	0	0	222	3	0	14	0	17	0	0	0	0	0	6
03:45 PM	0	421	1	0	422	0	187	1	0	188	1	0	3	0	4	0	0	0	0	0	6
Total	2	813	1	0	816	0	409	1	0	410	4	0	17	0	21	0	0	0	0	0	12
04:00 PM	0	352	0	0	352	0	195	0	0	195	0	0	1	0	1	0	0	0	0	0	5
04:15 PM	0	390	2	0	392	0	214	0	0	214	0	0	0	0	0	0	0	1	0	1	6
04:30 PM	1	385	2	0	388	2	229	0	0	231	0	0	6	0	6	0	0	0	0	0	6
04:45 PM	2	364	7	0	373	0	231	0	0	231	1	0	2	0	3	0	0	0	0	0	6
Total	3	1491	11	0	1505	2	869	0	0	871	1	0	9	0	10	0	0	1	0	1	23
05:00 PM	1	321	6	0	328	2	213	1	0	216	0	0	10	0	10	2	0	7	0	9	5
05:15 PM	0	382	9	0	391	5	229	0	0	234	0	0	0	0	0	2	0	0	0	2	6
Grand Total	25	4212	35	0	4272	11	5041	24	0	5076	5	0	56	0	61	4	0	10	0	14	94
Apprch %	0.6	98.6	0.8	0		0.2	99.3	0.5	0		8.2	0	91.8	0		28.6	0	71.4	0		
Total %	0.3	44.7	0.4	0	45.3	0.1	53.5	0.3	0	53.9	0.1	0	0.6	0	0.6	0	0	0.1	0	0.1	
Vehicles	23	3681	35	0	3739	11	4554	24	0	4589	5	0	54	0	59	4	0	10	0	14	84
% Vehicles	92	87.4	100	0	87.5	100	90.3	100	0	90.4	100	0	96.4	0	96.7	100	0	100	0	100	89
Trucks	2	527	0	0	529	0	483	0	0	483	0	0	2	0	2	0	0	0	0	0	10
% Trucks	8	12.5	0	0	12.4	0	9.6	0	0	9.5	0	0	3.6	0	3.3	0	0	0	0	0	10
Buses	0	4	0	0	4	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	
% Buses	0	0.1	0	0	0.1	0	0.1	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Greater Traffic Company

File Name : 05
Site Code : 0
Start Date : 7/20/2(
Page No : 2

	SR 21 Northbound					SR 21 Southbound					Water Plant Eastbound					Amazon Westbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. To
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 06:45 AM																					
06:45 AM	**6**	**163**	0	0	**169**	0	**481**	6	0	**487**	0	0	2	0	2	0	0	0	0	0	**6**
07:00 AM	3	133	2	0	138	0	463	2	0	465	0	0	5	0	5	0	0	0	0	0	6(
07:15 AM	0	141	1	0	142	0	424	3	0	427	0	0	**8**	0	**8**	0	0	0	0	0	5
07:30 AM	2	161	**3**	0	166	0	420	**7**	0	427	0	0	2	0	2	0	0	**2**	0	**2**	5
Total Volume	11	598	6	0	615	0	1788	18	0	1806	0	0	17	0	17	0	0	2	0	2	24
% App. Total	1.8	97.2	1	0		0	99	1	0		0	0	100	0		0	0	100	0		
PHF	.458	.917	.500	.000	.910	.000	.929	.643	.000	.927	.000	.000	.531	.000	.531	.000	.000	.250	.000	.250	.9
Vehicles	11	487	6	0	504	0	1670														
% Vehicles	100	81.4	100	0	82.0	0	93.4	100	0	93.5	0	0	88.2	0	88.2	0	0	100	0	100	90
Trucks	0	110	0	0	110	0	117	0	0	117	0	0	2	0	2	0	0	0	0	0	2
% Trucks	0	18.4	0	0	17.9	0	6.5	0	0	6.5	0	0	11.8	0	11.8	0	0	0	0	0	9
Buses	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	
% Buses	0	0.2	0	0	0.2	0	0.1	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0

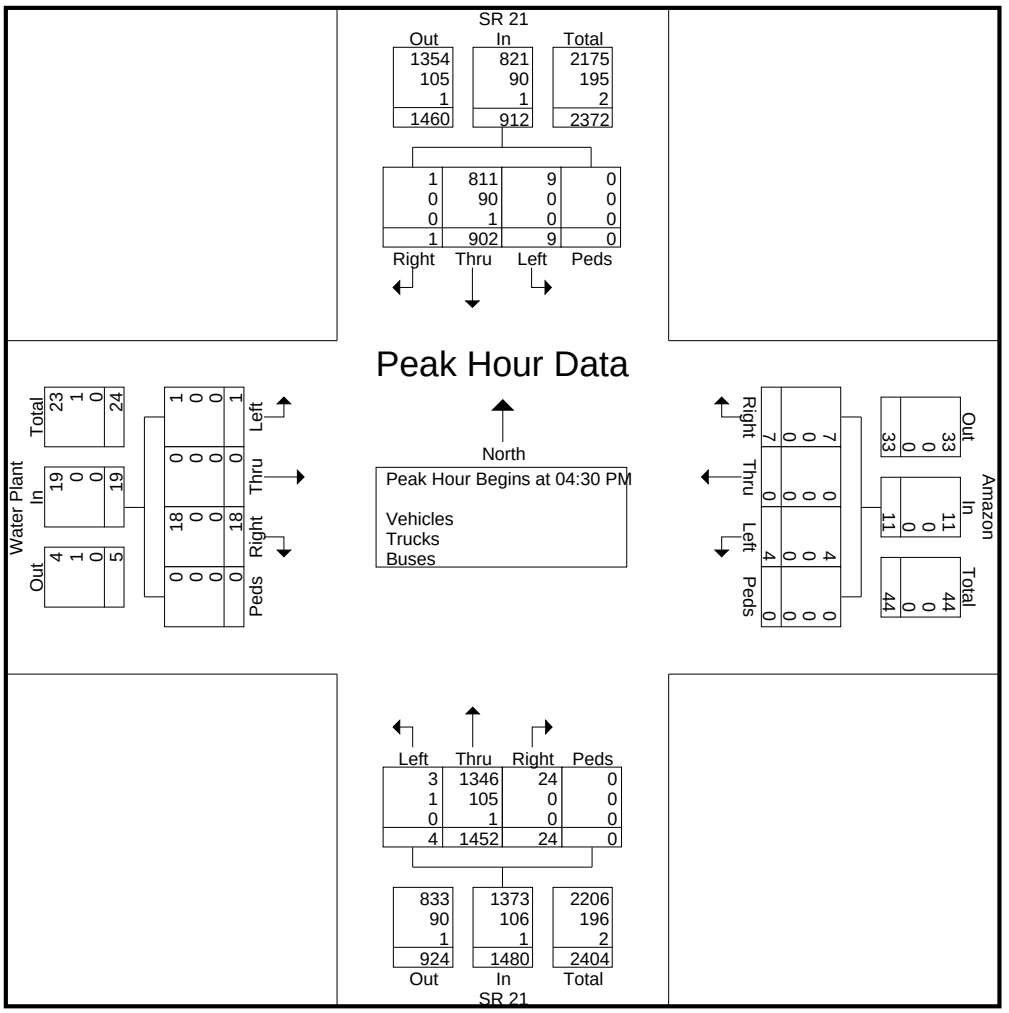


Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Greater Traffic Company

File Name : 05
Site Code : 0
Start Date : 7/20/2(
Page No : 3

	SR 21 Northbound					SR 21 Southbound					Water Plant Eastbound					Amazon Westbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. To
Peak Hour Analysis From 03:30 PM to 05:15 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	1	**385**	2	0	388	2	229	0	0	231	0	0	6	0	6	0	0	0	0	0	6
04:45 PM	**2**	364	7	0	373	0	**231**	0	0	231	**1**	0	2	0	3	0	0	0	0	0	6(
05:00 PM	1	321	6	0	328	2	213	**1**	0	216	0	0	**10**	0	**10**	**2**	0	**7**	0	**9**	5(
05:15 PM	0	382	**9**	0	**391**	**5**	229	0	0	**234**	0	0	0	0	0	2	0	0	0	2	**6**
Total Volume	4	1452	24	0	1480	9	902	1	0	912	1	0	18	0	19	4	0	7	0	11	24
% App. Total	0.3	98.1	1.6	0		1	98.9	0.1	0		5.3	0	94.7	0		36.4	0	63.6	0		
PHF	.500	.943	.667	.000	.946	.450	.976	.250	.000	.974	.250	.000	.450	.000	.475	.500	.000	.250	.000	.306	.9
Vehicles	3	1346																			
% Vehicles	75.0	92.7	100	0	92.8	100	89.9	100	0	90.0	100	0	100	0	100	100	0	100	0	100	91
Trucks	1	105	0	0	106	0	90	0	0	90	0	0	0	0	0	0	0	0	0	0	1(
% Trucks	25.0	7.2	0	0	7.2	0	10.0	0	0	9.9	0	0	0	0	0	0	0	0	0	0	8
Buses	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	
% Buses	0	0.1	0	0	0.1	0	0.1	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0



Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Greater Traffic Company

File Name : 02
Site Code : 0
Start Date : 7/20/2(
Page No : 1

Groups Printed- Vehicles - Trucks - Buses

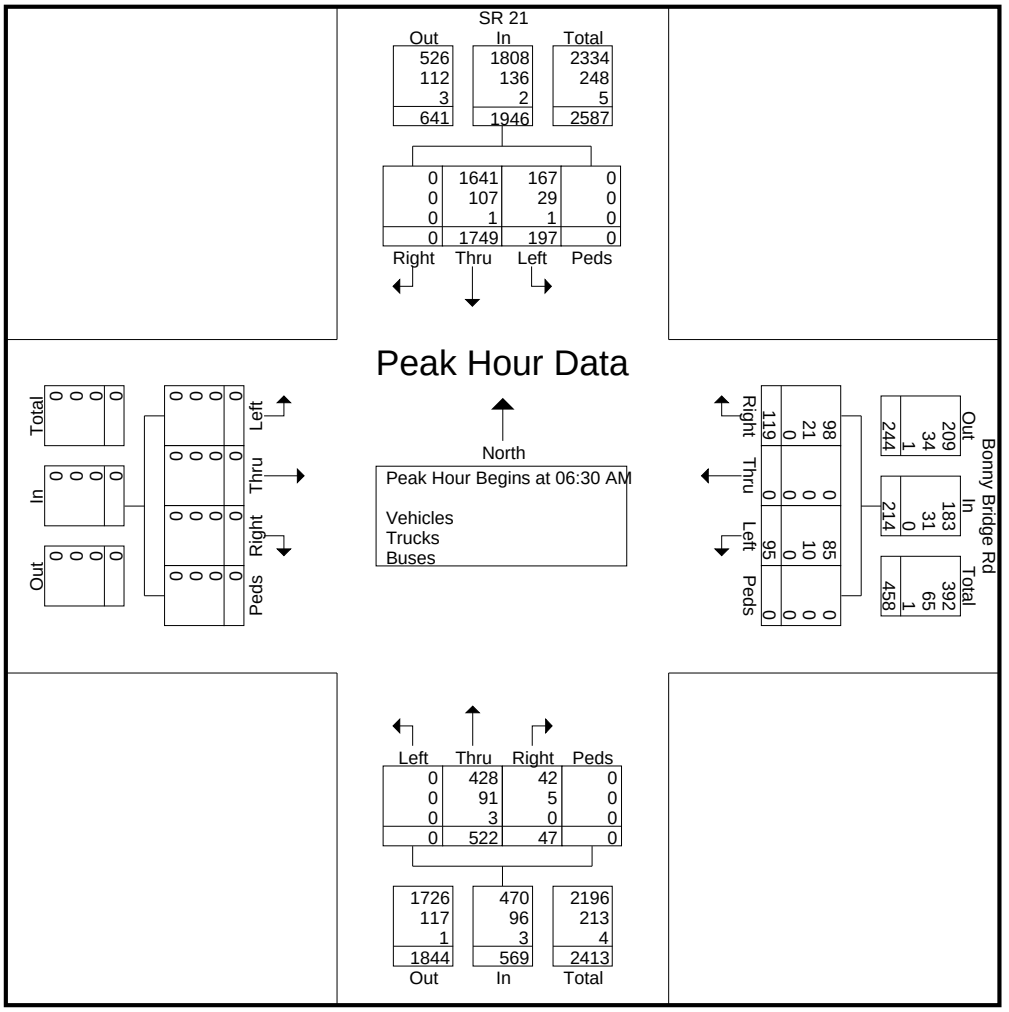
	Northbound					SR 21 Southbound					Eastbound					Bonny Bridge Rd Westbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. To
06:30 AM	0	136	5	0	141	52	472	0	0	524	0	0	0	0	0	28	0	21	0	49	7:
06:45 AM	0	146	14	0	160	55	445	0	0	500	0	0	0	0	0	29	0	30	0	59	7:
Total	0	282	19	0	301	107	917	0	0	1024	0	0	0	0	0	57	0	51	0	108	14:
07:00 AM	0	112	17	0	129	49	400	0	0	449	0	0	0	0	0	14	0	34	0	48	6:
07:15 AM	0	128	11	0	139	41	432	0	0	473	0	0	0	0	0	24	0	34	0	58	6:
07:30 AM	0	164	16	0	180	48	364	0	0	412	0	0	0	0	0	21	0	19	0	40	6:
07:45 AM	0	160	10	0	170	51	364	0	0	415	0	0	0	0	0	26	0	30	0	56	6:
Total	0	564	54	0	618	189	1560	0	0	1749	0	0	0	0	0	85	0	117	0	202	25(
08:00 AM	0	127	9	0	136	49	336	0	0	385	0	0	0	0	0	23	0	27	0	50	5:
08:15 AM	0	115	13	0	128	40	300	0	0	340	0	0	0	0	0	17	0	17	0	34	5(
*** BREAK ***																					
Total	0	242	22	0	264	89	636	0	0	725	0	0	0	0	0	40	0	44	0	84	10:
*** BREAK ***																					
03:30 PM	0	392	21	0	413	19	201	0	0	220	0	0	0	0	0	13	0	47	0	60	6:
03:45 PM	0	354	31	0	385	32	171	0	0	203	0	0	0	0	0	11	0	41	0	52	6-
Total	0	746	52	0	798	51	372	0	0	423	0	0	0	0	0	24	0	88	0	112	13:
04:00 PM	0	337	31	0	368	25	190	0	0	215	0	0	0	0	0	14	0	51	0	65	6-
04:15 PM	0	372	39	0	411	26	182	0	0	208	0	0	0	0	0	16	0	43	0	59	6:
04:30 PM	0	364	33	0	397	42	256	0	0	298	0	0	0	0	0	13	0	49	0	62	7:
04:45 PM	0	297	38	0	335	30	195	0	0	225	0	0	0	0	0	13	0	41	0	54	6:
Total	0	1370	141	0	1511	123	823	0	0	946	0	0	0	0	0	56	0	184	0	240	26:
05:00 PM	0	355	32	0	387	33	198	0	0	231	0	0	0	0	0	20	0	40	0	60	6:
05:15 PM	0	322	35	0	357	38	209	0	0	247	0	0	0	0	0	18	0	42	0	60	6(
Grand Total	0	3881	355	0	4236	630	4715	0	0	5345	0	0	0	0	0	300	0	566	0	866	104-
Apprch %	0	91.6	8.4	0		11.8	88.2	0	0		0	0	0	0		34.6	0	65.4	0		
Total %	0	37.1	3.4	0	40.5	6	45.1	0	0	51.2	0	0	0	0	0	2.9	0	5.4	0	8.3	
Vehicles	0	3406	316	0	3722	511	4270	0	0	4781	0	0	0	0	0	264	0	462	0	726	92:
% Vehicles	0	87.8	89	0	87.9	81.1	90.6	0	0	89.4	0	0	0	0	0	88	0	81.6	0	83.8	88
Trucks	0	468	39	0	507	118	442	0	0	560	0	0	0	0	0	36	0	104	0	140	12(
% Trucks	0	12.1	11	0	12	18.7	9.4	0	0	10.5	0	0	0	0	0	12	0	18.4	0	16.2	11
Buses	0	7	0	0	7	1	3	0	0	4	0	0	0	0	0	0	0	0	0	0	
% Buses	0	0.2	0	0	0.2	0.2	0.1	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Greater Traffic Company

File Name : 02
Site Code : 0
Start Date : 7/20/2(
Page No : 2

	Northbound					SR 21 Southbound					Eastbound					Bonny Bridge Rd Westbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. To
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 06:30 AM																					
06:30 AM	0	136	5	0	141	52	**472**	0	0	**524**	0	0	0	0	0	28	0	21	0	49	7:
06:45 AM	0	**146**	14	0	**160**	**55**	445	0	0	500	0	0	0	0	0	**29**	0	30	0	**59**	**7:**
07:00 AM	0	112	**17**	0	129	49	400	0	0	449	0	0	0	0	0	14	0	**34**	0	48	6:
07:15 AM	0	128	11	0	139	41	432	0	0	473	0	0	0	0	0	24	0	34	0	58	6:
Total Volume	0	522	47	0	569	197	1749	0	0	1946	0	0	0	0	0	95	0	119	0	214	27:
% App. Total	0	91.7	8.3	0		10.1	89.9	0	0		0	0	0	0		44.4	0	55.6	0		
PHF	.000	.894	.691	.000	.889	.895	.926	.000	.000	.928	.000	.000	.000	.000	.000	.819	.000	.875	.000	.907	.9
Vehicles	0	428	42	0	470	167	1641														
% Vehicles	0	82.0	89.4	0	82.6	84.8	93.8	0	0	92.9	0	0	0	0	0	89.5	0	82.4	0	85.5	90
Trucks	0	91	5	0	96	29	107	0	0	136	0	0	0	0	0	10	0	21	0	31	2(
% Trucks	0	17.4	10.6	0	16.9	14.7	6.1	0	0	7.0	0	0	0	0	0	10.5	0	17.6	0	14.5	9
Buses	0	3	0	0	3	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	
% Buses	0	0.6	0	0	0.5	0.5	0.1	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0

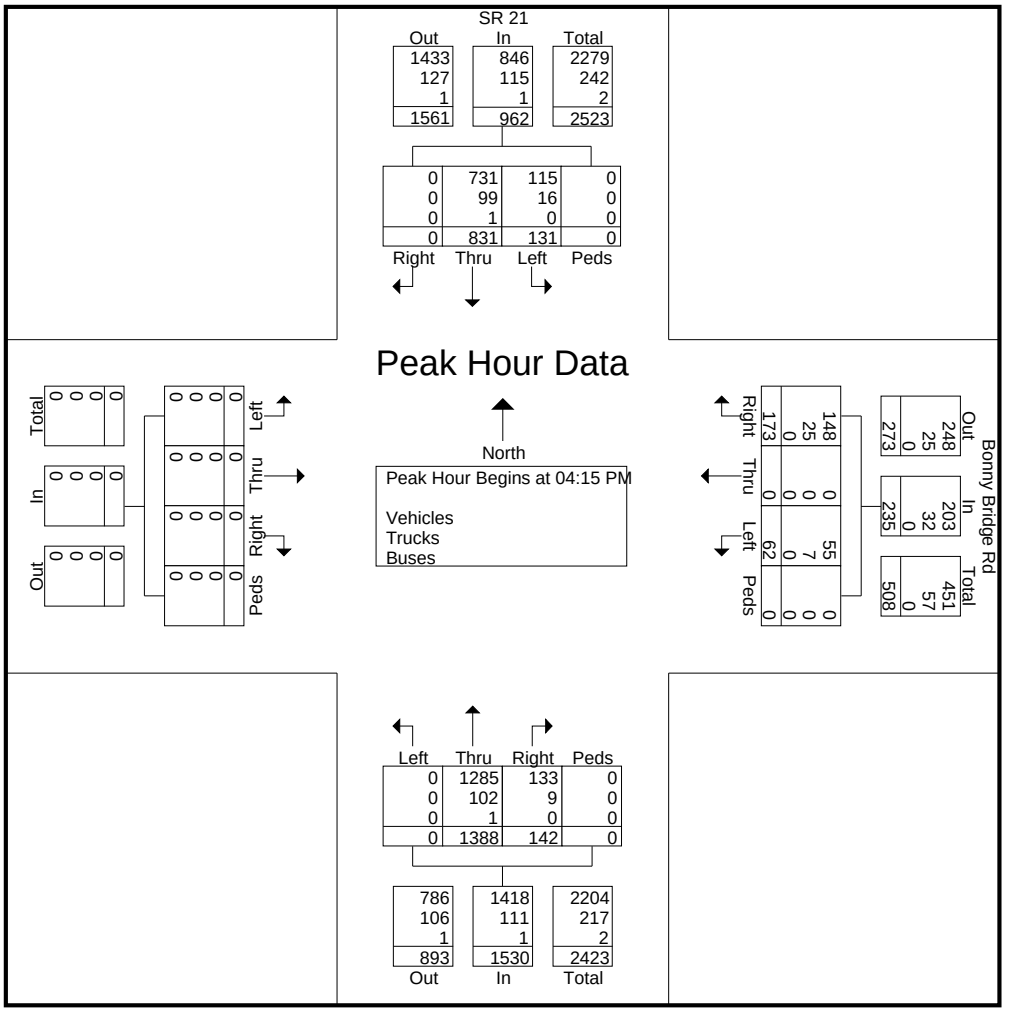


Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Greater Traffic Company

File Name : 02
Site Code : 0
Start Date : 7/20/2(
Page No : 3

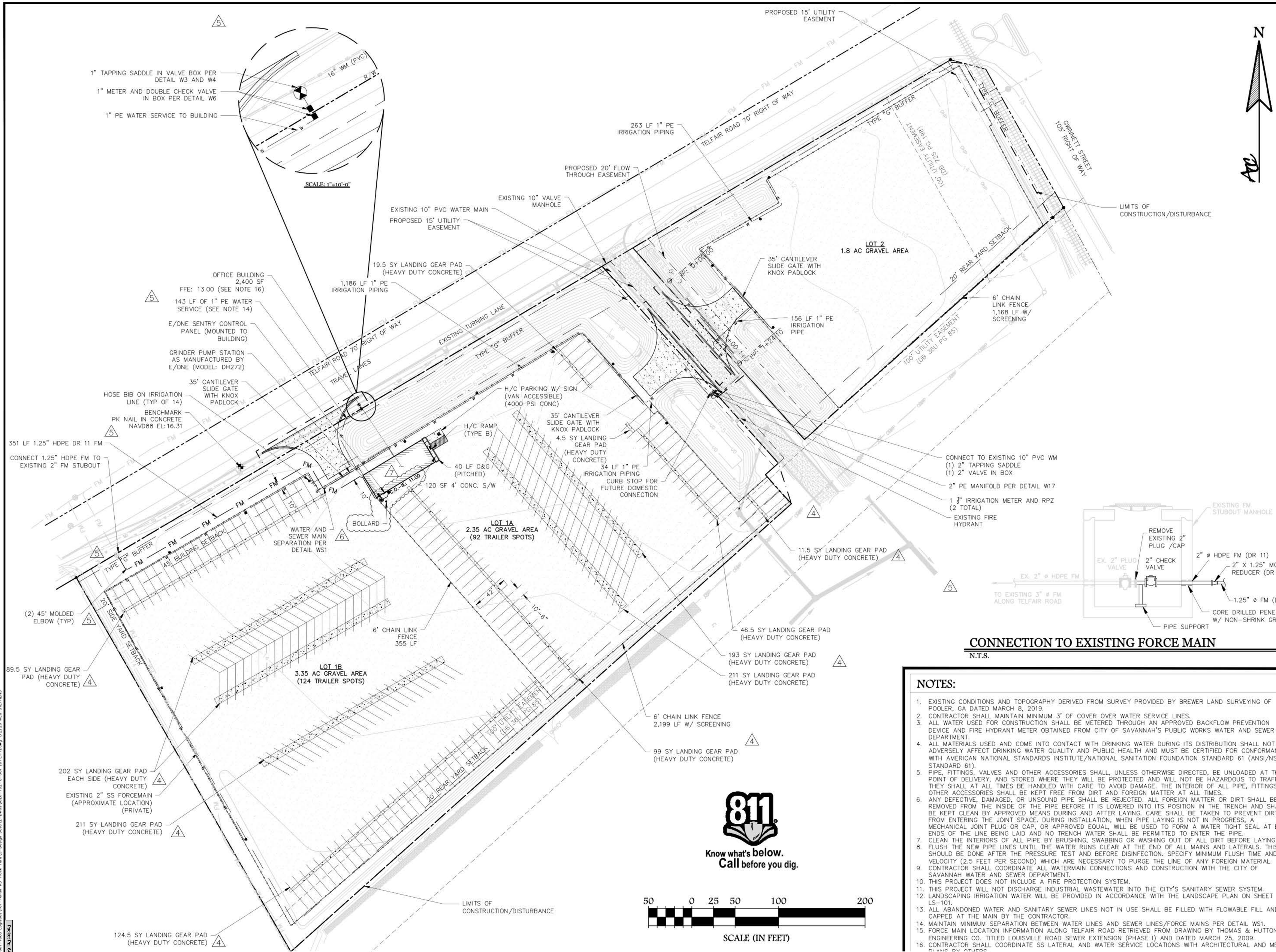
	Northbound					SR 21 Southbound					Eastbound					Bonny Bridge Rd Westbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. To
Peak Hour Analysis From 03:30 PM to 05:15 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	0	**372**	**39**	0	**411**	26	182	0	0	208	0	0	0	0	0	16	0	43	0	59	6
04:30 PM	0	364	33	0	397	**42**	**256**	0	0	**298**	0	0	0	0	0	13	0	**49**	0	**62**	**7**
04:45 PM	0	297	38	0	335	30	195	0	0	225	0	0	0	0	0	13	0	41	0	54	6
05:00 PM	0	355	32	0	387	33	198	0	0	231	0	0	0	0	0	**20**	0	40	0	60	6
Total Volume	0	1388	142	0	1530	131	831	0	0	962	0	0	0	0	0	62	0	173	0	235	27
% App. Total	0	90.7	9.3	0		13.6	86.4	0	0		0	0	0	0		26.4	0	73.6	0		
PHF	.000	.933	.910	.000	.931	.780	.812	.000	.000	.807	.000	.000	.000	.000	.000	.775	.000	.883	.000	.948	.9
Vehicles	0	1285																			
% Vehicles	0	92.6	93.7	0	92.7	87.8	88.0	0	0	87.9	0	0	0	0	0	88.7	0	85.5	0	86.4	90
Trucks	0	102	9	0	111	16	99	0	0	115	0	0	0	0	0	7	0	25	0	32	2
% Trucks	0	7.3	6.3	0	7.3	12.2	11.9	0	0	12.0	0	0	0	0	0	11.3	0	14.5	0	13.6	9
Buses	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	
% Buses	0	0.1	0	0	0.1	0	0.1	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0



Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Appendix B
Trip Generation Traffic Counts

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck



Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck Yard)

CONNECTION TO EXISTING FORCE MAIN

N.T.S.

NOTES:

1. EXISTING CONDITIONS AND TOPOGRAPHY DERIVED FROM SURVEY PROVIDED BY BREWER LAND SURVEYING OF POOLER, GA DATED MARCH 8, 2019.
2. CONTRACTOR SHALL MAINTAIN MINIMUM 3' OF COVER OVER WATER SERVICE LINES.
3. ALL WATER USED FOR CONSTRUCTION SHALL BE METERED THROUGH AN APPROVED BACKFLOW PREVENTION DEVICE AND FIRE HYDRANT METER OBTAINED FROM CITY OF SAVANNAH'S PUBLIC WORKS WATER AND SEWER DEPARTMENT.
4. ALL MATERIALS USED AND COME INTO CONTACT WITH DRINKING WATER DURING ITS DISTRIBUTION SHALL NOT ADVERSELY AFFECT DRINKING WATER QUALITY AND PUBLIC HEALTH AND MUST BE CERTIFIED FOR CONFORMANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE/NATIONAL SANITATION FOUNDATION STANDARD 61 (ANSI/NSF STANDARD 61).
5. PIPE, FITTINGS, VALVES AND OTHER ACCESSORIES SHALL, UNLESS OTHERWISE DIRECTED, BE UNLOADED AT THE POINT OF DELIVERY, AND STORED WHERE THEY WILL BE PROTECTED AND WILL NOT BE HAZARDOUS TO TRAFFIC. THEY SHALL AT ALL TIMES BE HANDLED WITH CARE TO AVOID DAMAGE. THE INTERIOR OF ALL PIPE, FITTINGS AND OTHER ACCESSORIES SHALL BE KEPT FREE FROM DIRT AND FOREIGN MATTER AT ALL TIMES.
6. ANY DEFECTIVE, DAMAGED, OR UNSOUND PIPE SHALL BE REJECTED. ALL FOREIGN MATTER OR DIRT SHALL BE REMOVED FROM THE INSIDE OF THE PIPE BEFORE IT IS LOWERED INTO ITS POSITION IN THE TRENCH AND SHALL BE KEPT CLEAN BY APPROVED MEANS DURING AND AFTER LAYING. CARE SHALL BE TAKEN TO PREVENT DIRT FROM ENTERING THE JOINT SPACE. DURING INSTALLATION, WHEN PIPE LAYING IS NOT IN PROGRESS, A MECHANICAL JOINT PLUG OR CAP, OR APPROVED EQUAL, WILL BE USED TO FORM A WATER TIGHT SEAL AT BOTH ENDS OF THE LINE BEING LAID AND NO TRENCH WATER SHALL BE PERMITTED TO ENTER THE PIPE.
7. CLEAN THE INTERIORS OF ALL PIPE BY BRUSHING, SWABBING OR WASHING OUT OF ALL DIRT BEFORE LAYING.
8. FLUSH THE NEW PIPE LINES UNTIL THE WATER RUNS CLEAR AT THE END OF ALL MAINS AND LATERALS. THIS SHOULD BE DONE AFTER THE PRESSURE TEST AND BEFORE DISINFECTION. SPECIFY MINIMUM FLUSH TIME AND VELOCITY (2.5 FEET PER SECOND) WHICH ARE NECESSARY TO PURGE THE LINE OF ANY FOREIGN MATERIAL.
9. CONTRACTOR SHALL COORDINATE ALL WATERMAIN CONNECTIONS AND CONSTRUCTION WITH THE CITY OF SAVANNAH WATER AND SEWER DEPARTMENT.
10. THIS PROJECT DOES NOT INCLUDE A FIRE PROTECTION SYSTEM.
11. THIS PROJECT WILL NOT DISCHARGE INDUSTRIAL WASTEWATER INTO THE CITY'S SANITARY SEWER SYSTEM.
12. LANDSCAPING IRRIGATION WATER WILL BE PROVIDED IN ACCORDANCE WITH THE LANDSCAPE PLAN ON SHEET LS-101.
13. ALL ABANDONED WATER AND SANITARY SEWER LINES NOT IN USE SHALL BE FILLED WITH FLOWABLE FILL AND CAPPED AT THE MAIN BY THE CONTRACTOR.
14. MAINTAIN MINIMUM SEPARATION BETWEEN WATER LINES AND SEWER LINES/FORCE MAINS PER DETAIL WS1.
15. FORCE MAIN LOCATION INFORMATION ALONG TELFAIR ROAD RETRIEVED FROM DRAWING BY THOMAS & HUTTON ENGINEERING CO. TITLED LOUISVILLE ROAD SEWER EXTENSION (PHASE I) AND DATED MARCH 25, 2009.
16. CONTRACTOR SHALL COORDINATE SS LATERAL AND WATER SERVICE LOCATIONS WITH ARCHITECTURAL AND MEP PLANS BY OTHERS.

ATLANTIC COAST CONSULTING, INC.
7 East Congress Street
Suite 801
Savannah, GA 31401
p.912-236-3471
f.912-236-3472
www.atlcc.net

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 030071 RPE A. LIVERMAN 12/11/19

06930
LEVEL II CERTIFICATION

PROJECT:
1883 LOGISTICS
- TELFAIR ROAD TRUCK YARD
P.I.N. #
2-0713-01-005 & 006
7th DISTRICT
SAVANNAH, GEORGIA

1883 LOGISTICS

528 E. 45TH ST.
SAVANNAH, GA 31405
(912) 220-5144

REVISIONS

0. Issued for Bidding	05/07/1
1. Issued for Permitting	05/20/1
2. Revised per City Comment	06/28/1
3. Revised OCS 2 Outfall	08/15/1
4. Landing Gear Pads	09/19/1
5. Domestic SS and Water Service	11/18/1
6. Revised per City Comment	12/12/1
7. Revised per City Comment	12/17/1

Drawn by: MCG/MJS
Checked by:

PROJECT NUMBER:
I061-101
MAY 2019

SITE AND UTILITY PLAN

C-301

Pocket Pg: 644
13.C.a
J:\Projects\I061-1883 Logistics\09-Telfair RD Truck Yard\3-Design Data\2-CIVIL\I026-102-C-301 (UTILITY).dwg 1/7/20 MEG STEPHENS

Greater Traffic Company

File Name : 290
Site Code : 000000
Start Date : 7/20/20
Page No : 1

Groups Printed- Bobtail

	Road Northbound					Road Southbound					310 Lot Eastbound					290 Lot Westbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. To
05:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:15 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	
05:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	
06:00 AM	0	0	0	0	0	0	0	2	0	2	1	0	0	0	1	0	0	0	0	0	
06:15 AM	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	
06:30 AM	0	0	0	0	0	0	0	3	0	3	1	0	0	0	1	0	0	0	0	0	
06:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	7	0	7	2	0	0	0	2	0	0	0	0	0	
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:45 AM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
08:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:15 AM	0	0	0	0	0	1	0	2	0	3	0	0	0	0	0	0	0	1	0	1	
08:30 AM	0	0	0	0	0	0	0	2	0	2	1	0	0	0	1	0	0	0	0	0	
08:45 AM	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	1	0	1	
Total	0	0	0	0	0	1	0	5	0	6	2	0	0	0	2	0	0	2	0	2	
09:00 AM	0	0	0	0	0	0	0	1	0	1	2	0	0	0	2	0	0	0	0	0	
09:15 AM	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	
09:30 AM	0	0	0	0	0	0	0	3	0	3	1	0	0	0	1	0	0	0	0	0	
09:45 AM	0	0	1	0	1	1	0	0	0	1	1	0	0	0	1	2	0	0	0	2	
Total	0	0	1	0	1	1	0	6	0	7	4	0	0	0	4	2	0	0	0	2	
10:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
10:15 AM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	1	
10:30 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
10:45 AM	0	0	0	0	0	0	0	2	0	2	1	0	0	0	1	0	0	0	0	0	
Total	0	0	0	0	0	1	0	2	0	3	3	0	0	0	3	1	0	0	0	1	
11:00 AM	0	0	0	0	0	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0	
11:15 AM	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	
11:30 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
Total	0	0	1	0	1	1	0	1	0	2	2	0	0	0	2	1	0	0	0	1	
12:00 PM	0	0	0	0	0	1	0	0	0	1	1	0	0	0	1	1	0	0	0	1	
12:15 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	1	
12:30 PM	0	0	1	0	1	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	
12:45 PM	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	
Total	0	0	1	0	1	1	0	3	0	4	3	0	0	0	3	2	0	0	0	2	
01:00 PM	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	1	0	0	0	1	
01:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
01:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
01:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	1	0	1	2	0	0	0	2	1	0	0	0	1	
02:00 PM	0	0	0	0	0	1	0	1	0	2	1	0	0	0	1	0	0	0	0	0	
02:15 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	0	0	0	0	0	
02:30 PM	1	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
02:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	1	0	0	0	1	1	0	1	0	2	3	0	1	0	4	0	0	0	0	0	
03:00 PM	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	
03:15 PM	0	0	1	0	1	0	0	2	0	2	1	0	0	0	1	0	0	0	0	0	
03:30 PM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Greater Traffic Company

File Name : 290
Site Code : 00000(
Start Date : 7/20/2(
Page No : 2

Groups Printed- Bobtail

	Road Northbound					Road Southbound					310 Lot Eastbound					290 Lot Westbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Tc
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	1	0	1	1	0	4	0	5	1	0	0	0	1	0	0	0	0	0	
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
04:15 PM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	1	0	2	
05:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	1	
05:15 PM	0	0	1	0	1	0	0	0	0	0	1	0	0	0	1	0	0	1	0	1	
05:30 PM	0	0	0	0	0	2	0	1	0	3	0	0	0	0	0	0	0	0	0	0	
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	1	0	1	2	0	1	0	3	2	0	0	0	2	1	0	1	0	2	
06:00 PM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
06:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
06:45 PM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	
Total	0	0	0	0	0	2	0	0	0	2	1	0	0	0	1	0	0	1	0	1	
07:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
07:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	
Grand Total	1	0	5	0	6	13	0	32	0	45	25	0	1	0	26	10	0	6	0	16	
Apprch %	16.7	0	83.3	0		28.9	0	71.1	0		96.2	0	3.8	0		62.5	0	37.5	0		
Total %	1.1	0	5.4	0	6.5	14	0	34.4	0	48.4	26.9	0	1.1	0	28	10.8	0	6.5	0	17.2	

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Greater Traffic Company

File Name : 290
Site Code : 00000(
Start Date : 7/20/2(
Page No : 1

Groups Printed- Trucks

	Road Northbound					Road Southbound					310 Lot Eastbound					290 Lot Westbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. To
05:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:30 AM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
05:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
06:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:15 AM	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	
06:30 AM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	
06:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	1	0	1	3	0	0	0	3	0	0	0	0	0	
07:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:30 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
07:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	
08:00 AM	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	1	0	1	
08:15 AM	0	0	0	0	0	0	0	1	0	1	2	0	0	0	2	0	0	0	0	0	
08:30 AM	0	0	0	0	0	0	0	2	0	2	1	0	0	0	1	0	0	1	0	1	
08:45 AM	0	0	0	0	0	0	0	2	0	2	2	0	0	0	2	0	0	0	0	0	
Total	0	0	0	0	0	0	0	6	0	6	6	0	0	0	6	0	0	2	0	2	
09:00 AM	0	0	0	0	0	0	0	3	0	3	2	0	0	0	2	0	0	0	0	0	
09:15 AM	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	
09:30 AM	0	0	0	0	0	0	0	4	0	4	3	0	0	0	3	1	0	2	0	3	
09:45 AM	0	0	0	0	0	0	0	1	0	1	2	0	0	0	2	0	0	1	0	1	
Total	0	0	0	0	0	0	0	9	0	9	8	0	0	0	8	1	0	3	0	4	
10:00 AM	0	0	1	0	1	0	0	0	0	0	4	0	0	0	4	1	0	0	0	1	
10:15 AM	0	0	1	0	1	0	0	3	0	3	2	0	0	0	2	0	0	0	0	0	
10:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10:45 AM	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	1	0	1	
Total	0	0	2	0	2	0	0	5	0	5	6	0	0	0	6	1	0	1	0	2	
11:00 AM	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	
11:15 AM	0	0	0	0	0	0	0	2	0	2	4	0	0	0	4	0	0	0	0	0	
11:30 AM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	
11:45 AM	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	
Total	0	0	0	0	0	0	0	6	0	6	7	0	0	0	7	0	0	0	0	0	
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
12:15 PM	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	
12:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
12:45 PM	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	
Total	0	0	1	0	1	0	0	2	0	2	2	0	0	0	2	0	0	1	0	1	
01:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
01:15 PM	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	
01:30 PM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	
01:45 PM	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	
Total	0	0	0	0	0	0	0	4	0	4	2	0	0	0	2	0	0	0	0	0	
02:00 PM	0	0	0	0	0	0	0	2	0	2	2	0	0	0	2	0	0	0	0	0	
02:15 PM	0	0	0	0	0	0	0	2	0	2	1	0	0	0	1	0	0	1	0	1	
02:30 PM	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	
02:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
Total	0	0	0	0	0	0	0	5	0	5	5	0	0	0	5	0	0	1	0	1	
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
03:15 PM	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	1	0	1	
03:30 PM	0	0	0	0	0	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0	

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Greater Traffic Company

File Name : 290
Site Code : 00000(
Start Date : 7/20/2(
Page No : 2

Groups Printed- Trucks

	Road Northbound					Road Southbound					310 Lot Eastbound					290 Lot Westbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. To
03:45 PM	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	
Total	0	0	0	0	0	1	0	2	0	3	3	0	0	0	3	0	0	1	0	1	
04:00 PM	0	0	0	0	0	0	0	4	0	4	2	0	0	0	2	0	0	0	0	0	
04:15 PM	0	0	0	0	0	2	0	1	0	3	1	0	0	0	1	0	0	0	0	0	
04:30 PM	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	
04:45 PM	0	0	0	0	0	2	0	2	0	4	2	0	0	0	2	0	0	0	0	0	
Total	0	0	0	0	0	4	0	9	0	13	5	0	0	0	5	0	0	0	0	0	
05:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
05:15 PM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1	
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:45 PM	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	1	0	1	
Total	0	0	0	0	0	0	0	3	0	3	1	0	0	0	1	0	0	2	0	2	
06:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:15 PM	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	
06:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
06:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	3	0	3	1	0	0	0	1	0	0	0	0	0	
07:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:15 PM	0	0	0	0	0	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	
07:30 PM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	2	0	2	
07:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	2	0	1	0	3	0	0	0	0	0	0	0	2	0	2	
Grand Total	0	0	3	0	3	8	0	56	0	64	51	0	0	0	51	2	0	13	0	15	1
Apprch %	0	0	100	0		12.5	0	87.5	0		100	0	0	0		13.3	0	86.7	0		
Total %	0	0	2.3	0	2.3	6	0	42.1	0	48.1	38.3	0	0	0	38.3	1.5	0	9.8	0	11.3	

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Greater Traffic Company

File Name : 290
Site Code : 00000(
Start Date : 7/20/2(
Page No : 1

Groups Printed- Vehicles

	Road Northbound					Road Southbound					310 Lot Eastbound					290 Lot Westbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Tc
05:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:45 AM	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	
Total	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	
07:00 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:30 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	
07:45 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	
08:00 AM	0	0	0	0	0	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:45 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	1	0	2	0	3	0	0	0	0	0	0	0	0	0	0	
09:00 AM	0	0	0	0	0	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	
09:15 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	
09:30 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
09:45 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
Total	0	0	0	0	0	1	0	2	0	3	2	0	0	0	2	0	0	0	0	0	
10:00 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	
10:15 AM	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	
10:30 AM	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	
10:45 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	4	0	4	2	0	0	0	2	0	0	0	0	0	
11:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11:30 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
11:45 AM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	1	0	1	
Total	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4	0	0	1	0	1	
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12:15 PM	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	
12:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
12:45 PM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	
Total	0	0	0	0	0	0	0	2	0	2	2	0	0	0	2	0	1	0	0	1	
01:00 PM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	
01:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
01:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
01:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	
02:00 PM	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	
02:15 PM	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	
02:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
02:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	2	0	2	3	0	0	0	3	0	0	0	0	0	
03:00 PM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	
03:15 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	
03:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Greater Traffic Company

File Name : 290
Site Code : 000000
Start Date : 7/20/20
Page No : 2

Groups Printed- Vehicles

	Road Northbound					Road Southbound					310 Lot Eastbound					290 Lot Westbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. To
03:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
Total	0	0	0	0	0	0	0	1	0	1	2	1	0	0	3	0	0	0	0	0	
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
04:15 PM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	
04:30 PM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4	0	0	0	0	0	
05:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
05:15 PM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	
05:30 PM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	
05:45 PM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	1	0	1	0	2	3	0	0	0	3	0	0	0	0	0	
06:00 PM	0	0	0	0	0	1	0	0	0	1	1	0	0	0	1	0	0	1	0	1	
06:15 PM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	2	0	2	
06:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	1	
06:45 PM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	2	0	0	0	2	4	0	0	0	4	0	0	4	0	4	
07:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	
07:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:45 PM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0	
Grand Total	0	0	0	0	0	6	0	19	0	25	29	1	0	0	30	0	1	5	0	6	
Apprch %	0	0	0	0		24	0	76	0		96.7	3.3	0	0		0	16.7	83.3	0		
Total %	0	0	0	0	0	9.8	0	31.1	0	41	47.5	1.6	0	0	49.2	0	1.6	8.2	0	9.8	

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Greater Traffic Company

File Name : 310
Site Code : 000000
Start Date : 7/21/20
Page No : 1

Groups Printed- Bobtail Trucks

	310 Lot Northbound					310 Lot Southbound					Telfair Rd Eastbound					Telfair Rd Westbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. To
05:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:30 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:00 AM	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:30 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
Total	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
09:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
09:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
09:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
09:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	
10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10:30 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11:00 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11:45 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12:00 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
01:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
01:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
01:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
01:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
02:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	
02:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
02:30 PM	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	
02:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	3	0	0	0	3	
03:00 PM	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
03:15 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
03:30 PM	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Greater Traffic Company

File Name : 310
Site Code : 000000
Start Date : 7/21/20
Page No : 2

Groups Printed- Bobtail Trucks

	310 Lot Northbound					310 Lot Southbound					Telfair Rd Eastbound					Telfair Rd Westbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. To
03:45 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	7	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
04:15 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	
05:00 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:30 PM	0	0	2	0	2	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	3	0	3	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	
06:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
06:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
07:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:30 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Grand Total	1	0	21	0	22	0	0	0	0	0	0	0	3	0	3	11	0	0	0	11	
Apprch %	4.5	0	95.5	0		0	0	0	0		0	0	100	0		100	0	0	0		
Total %	2.8	0	58.3	0	61.1	0	0	0	0	0	0	0	8.3	0	8.3	30.6	0	0	0	30.6	

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Greater Traffic Company

File Name : 310
Site Code : 000000
Start Date : 7/21/20
Page No : 1

Groups Printed- Trucks Only

	310 Lot Northbound					310 Lot Southbound					Telfair Rd Eastbound					Telfair Rd Westbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Tc
05:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:45 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
06:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:15 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:30 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
08:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:45 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
09:00 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
09:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
09:30 AM	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
09:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
10:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
10:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
11:15 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	
12:00 PM	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
12:45 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	2	0	2	0	0	0	0	0	0	0	2	0	2	1	0	0	0	1	
01:00 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
01:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
01:30 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
01:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
Total	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
02:00 PM	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
02:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	
02:30 PM	2	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
02:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
Total	2	0	3	0	5	0	0	0	0	0	0	0	1	0	1	2	0	0	0	2	
03:00 PM	2	0	1	0	3	0	0	0	0	0	0	0	1	0	1	3	0	0	0	3	
03:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
03:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Greater Traffic Company

File Name : 310
Site Code : 000000
Start Date : 7/21/20
Page No : 2

Groups Printed- Trucks Only

	310 Lot Northbound					310 Lot Southbound					Telfair Rd Eastbound					Telfair Rd Westbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. To
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	2	0	1	0	3	0	0	0	0	0	0	0	2	0	2	4	0	0	0	4	
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	1	0	0	0	1	
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:45 PM	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	
Total	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1	5	0	0	0	5	
06:00 PM	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:30 PM	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
07:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
Grand Total	6	0	17	0	23	0	0	0	0	0	0	0	10	0	10	22	0	0	0	22	
Apprch %	26.1	0	73.9	0		0	0	0	0		0	0	100	0		100	0	0	0		
Total %	10.9	0	30.9	0	41.8	0	0	0	0	0	0	0	18.2	0	18.2	40	0	0	0	40	

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Greater Traffic Company

File Name : 310
Site Code : 000000
Start Date : 7/21/20
Page No : 1

Groups Printed- Other Vehicles

	310 Lot Northbound					310 Lot Southbound					Telfair Rd Eastbound					Telfair Rd Westbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. To
05:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	
05:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	
06:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:15 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4	
08:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
08:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	
09:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
09:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
09:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
09:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	
10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
10:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10:45 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12:30 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
01:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
01:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
01:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
01:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	
02:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
02:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
02:30 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
02:45 PM	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
03:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
03:15 PM	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
03:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Greater Traffic Company

File Name : 310
Site Code : 000000
Start Date : 7/21/20
Page No : 2

Groups Printed- Other Vehicles

	310 Lot Northbound					310 Lot Southbound					Telfair Rd Eastbound					Telfair Rd Westbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. To
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
04:00 PM	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
04:45 PM	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	2	0	1	0	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
05:00 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
05:45 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:00 PM	0	0	2	0	2	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
06:15 PM	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:30 PM	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	2	0	4	0	6	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
07:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
07:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Grand Total	6	0	12	0	18	0	0	0	0	0	0	0	4	0	4	13	0	0	0	13	
Apprch %	33.3	0	66.7	0		0	0	0	0		0	0	100	0		100	0	0	0		
Total %	17.1	0	34.3	0	51.4	0	0	0	0	0	0	0	11.4	0	11.4	37.1	0	0	0	37.1	

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Appendix C
Trip Data for 5816 Highway 21
Thomas & Hutton 1500 Crossgate Road Traffic Impact Study

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

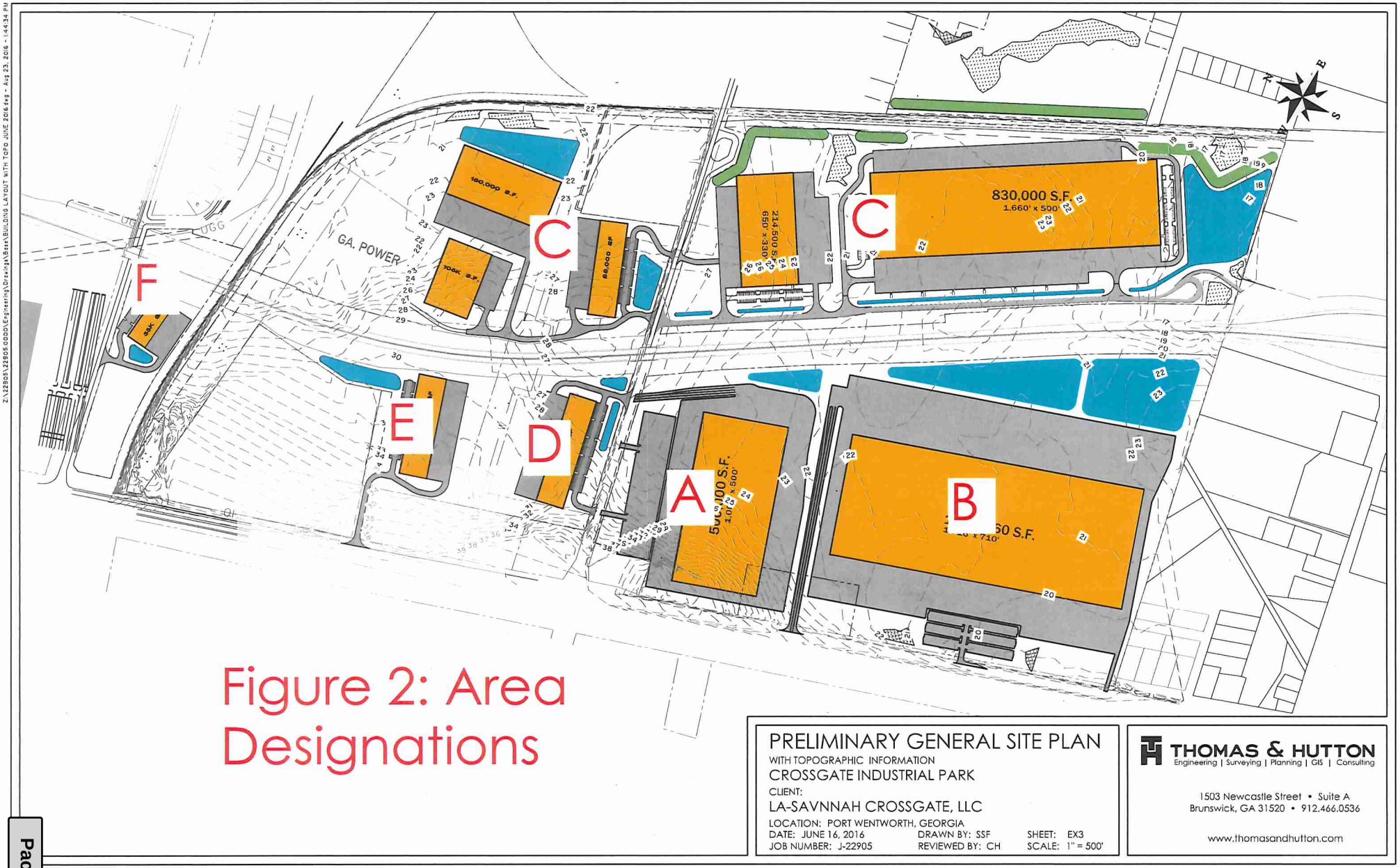
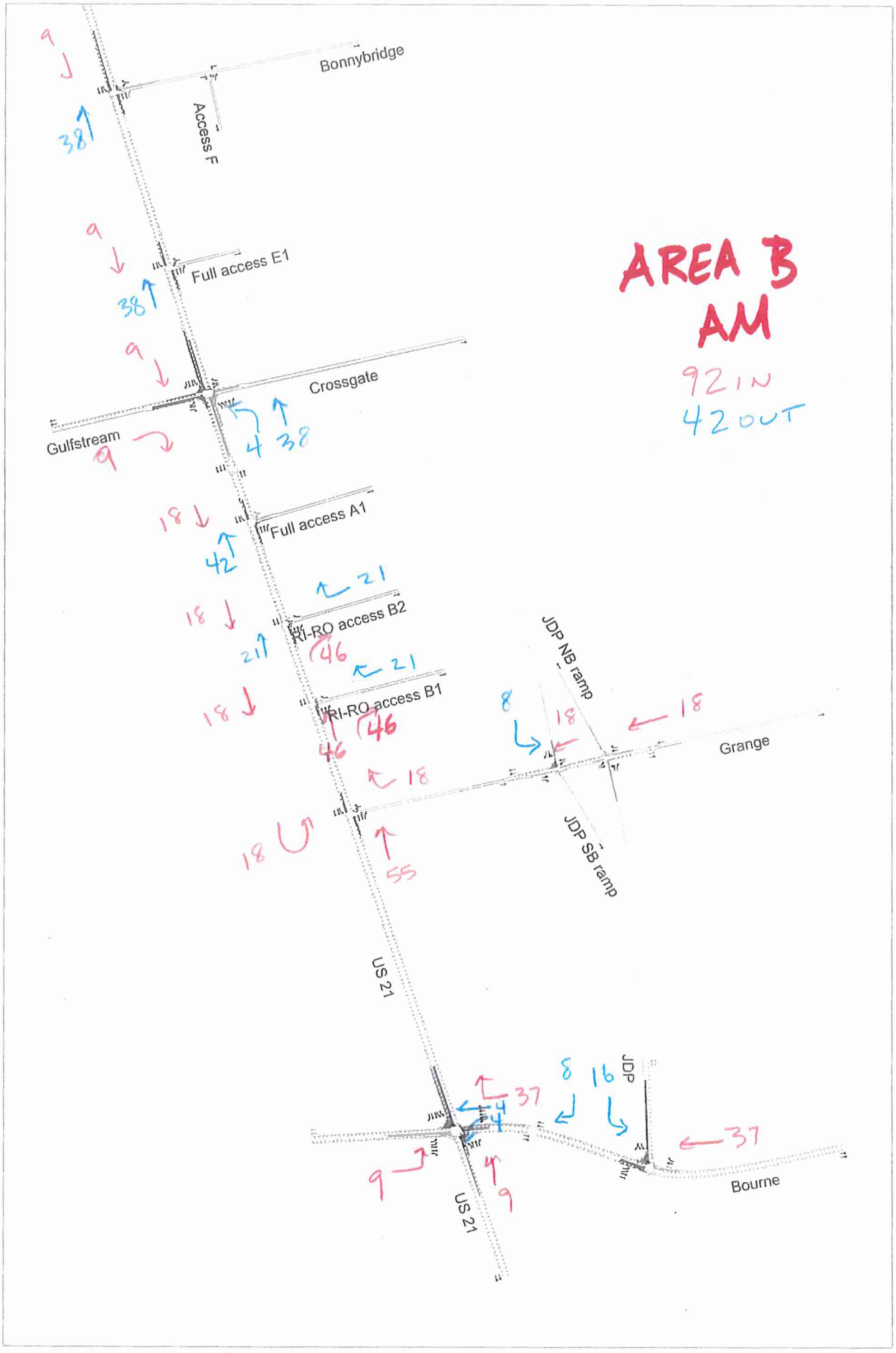


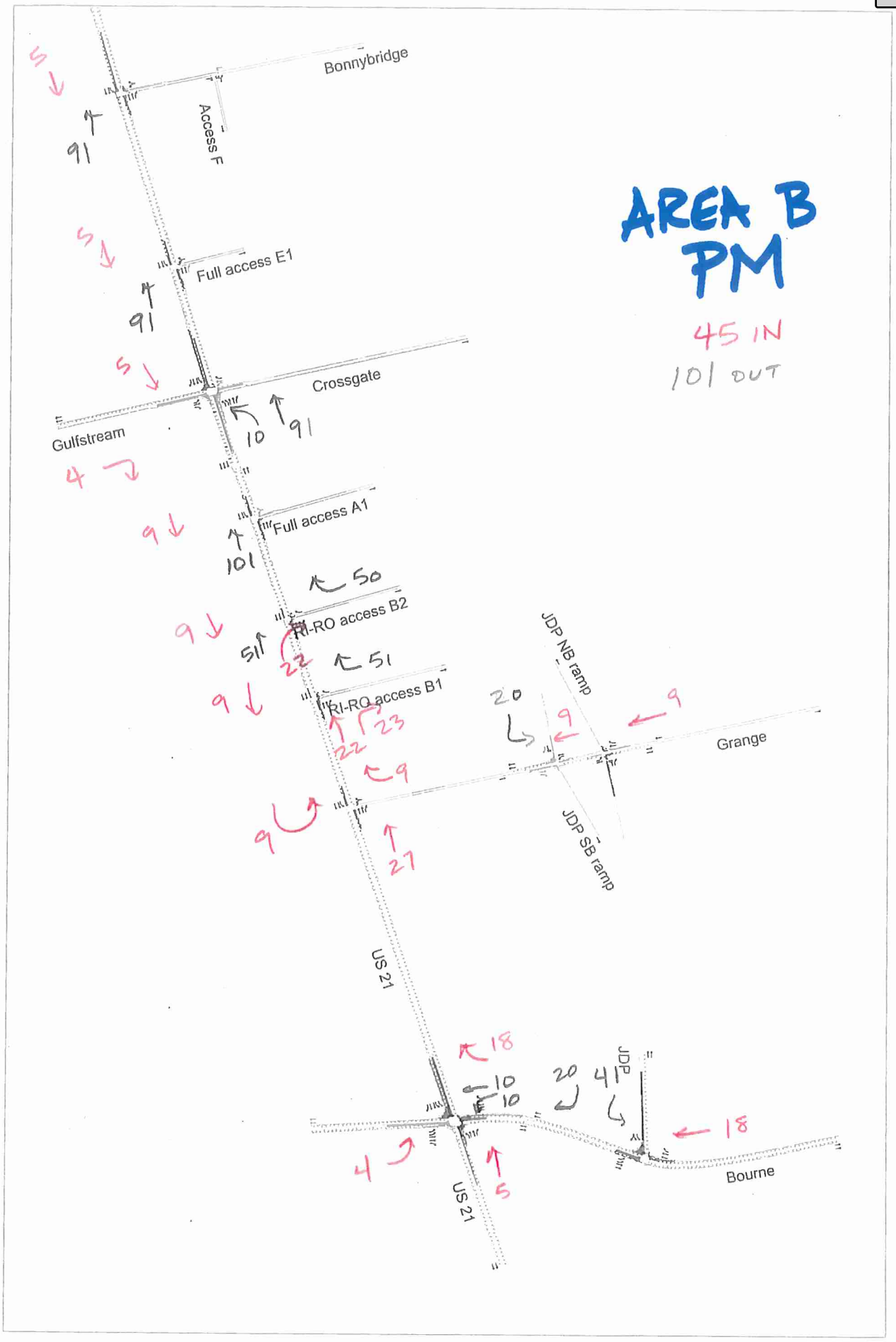
Figure 2: Area Designations

PRELIMINARY GENERAL SITE PLAN
WITH TOPOGRAPHIC INFORMATION
CROSSGATE INDUSTRIAL PARK
CLIENT:
LA-SAVNNAH CROSSGATE, LLC
LOCATION: PORT WENTWORTH, GEORGIA
DATE: JUNE 16, 2016 DRAWN BY: SSF SHEET: EX3
JOB NUMBER: J-22905 REVIEWED BY: CH SCALE: 1" = 500'

THOMAS & HUTTON
Engineering | Surveying | Planning | GIS | Consulting
1503 Newcastle Street • Suite A
Brunswick, GA 31520 • 912.466.0536
www.thomasandhutton.com



Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck



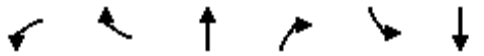
Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Appendix D
HCM Analysis

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

HCM 6th Signalized Intersection Summary
3: SR 21 & Bonnybridge Rd

Existing Traffic
A.M. Peak



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	95	119	522	47	197	1749
Future Volume (veh/h)	95	119	522	47	197	1749
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1633	1752	1633	1737	1678	1811
Adj Flow Rate, veh/h	108	145	587	68	219	1881
Peak Hour Factor	0.88	0.82	0.89	0.69	0.90	0.93
Percent Heavy Veh, %	18	10	18	11	15	6
Cap, veh/h	172	164	2280	1081	641	2830
Arrive On Green	0.11	0.11	1.00	1.00	0.06	0.82
Sat Flow, veh/h	1555	1485	3185	1472	1598	3532
Grp Volume(v), veh/h	108	145	587	68	219	1881
Grp Sat Flow(s),veh/h/ln	1555	1485	1552	1472	1598	1721
Q Serve(g_s), s	11.9	17.3	0.0	0.0	5.7	38.5
Cycle Q Clear(g_c), s	11.9	17.3	0.0	0.0	5.7	38.5
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	172	164	2280	1081	641	2830
V/C Ratio(X)	0.63	0.89	0.26	0.06	0.34	0.66
Avail Cap(c_a), veh/h	250	238	2280	1081	1034	2830
HCM Platoon Ratio	1.00	1.00	2.00	2.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	76.5	78.9	0.0	0.0	4.1	6.3
Incr Delay (d2), s/veh	3.8	22.7	0.3	0.1	0.4	1.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.0	7.7	0.1	0.0	1.6	11.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	80.3	101.6	0.3	0.1	4.6	7.5
LnGrp LOS	F	F	A	A	A	A
Approach Vol, veh/h	253		655			2100
Approach Delay, s/veh	92.5		0.3			7.2
Approach LOS	F		A			A

Timer - Assigned Phs		2			5	6	8
Phs Duration (G+Y+Rc), s		154.0			15.8	138.2	26.0
Change Period (Y+Rc), s		6.0			* 5.8	6.0	6.1
Max Green Setting (Gmax), s		139.0			* 54	79.0	28.9
Max Q Clear Time (g_c+I1), s		40.5			7.7	2.0	19.3
Green Ext Time (p_c), s		63.3			1.1	9.3	0.5

Intersection Summary	
HCM 6th Ctrl Delay	12.9
HCM 6th LOS	B

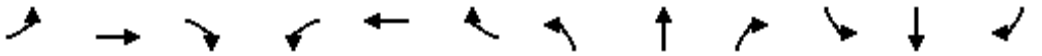
Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

HCM 6th Signalized Intersection Summary
8: Gulfstream Rd/Crossgate Rd & SR 21

Existing Traffic
A.M. Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	60	61	110	42	80	24	112	502	64	52	1525	264
Future Volume (veh/h)	60	61	110	42	80	24	112	502	64	52	1525	264
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1678	1900	1589	1752	1826	1781	1781	1663	1811	1841	1796	1826
Adj Flow Rate, veh/h	76	103	0	56	100	40	160	577	0	72	1605	0
Peak Hour Factor	0.79	0.59	0.83	0.75	0.80	0.60	0.70	0.87	0.73	0.72	0.95	0.72
Percent Heavy Veh, %	15	0	21	10	5	8	8	16	6	4	7	5
Cap, veh/h	142	302		122	124	103	201	2155		89	2294	
Arrive On Green	0.05	0.16	0.00	0.07	0.07	0.07	0.06	0.68	0.00	0.10	1.00	0.00
Sat Flow, veh/h	1598	1900	1346	1210	1826	1510	3291	3159	1535	1753	3413	1547
Grp Volume(v), veh/h	76	103	0	56	100	40	160	577	0	72	1605	0
Grp Sat Flow(s),veh/h/ln	1598	1900	1346	1210	1826	1510	1646	1580	1535	1753	1706	1547
Q Serve(g_s), s	7.8	8.7	0.0	8.1	9.7	4.6	8.6	12.8	0.0	7.2	0.0	0.0
Cycle Q Clear(g_c), s	7.8	8.7	0.0	8.1	9.7	4.6	8.6	12.8	0.0	7.2	0.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	142	302		122	124	103	201	2155		89	2294	
V/C Ratio(X)	0.54	0.34		0.46	0.80	0.39	0.80	0.27		0.81	0.70	
Avail Cap(c_a), veh/h	218	508		195	234	194	433	2155		230	2294	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	71.5	67.3	0.0	82.0	82.7	80.3	83.4	11.1	0.0	80.1	0.0	0.0
Incr Delay (d2), s/veh	3.1	0.7	0.0	2.7	11.4	2.4	7.0	0.3	0.0	16.0	1.8	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.3	4.3	0.0	2.6	4.9	1.8	3.8	4.4	0.0	3.5	0.6	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	74.6	68.0	0.0	84.6	94.1	82.7	90.4	11.4	0.0	96.1	1.8	0.0
LnGrp LOS	E	E		F	F	F	F	B		F	A	
Approach Vol, veh/h		179	A		196			737	A		1677	A
Approach Delay, s/veh		70.8			89.0			28.6			5.9	
Approach LOS		E			F			C			A	

Timer - Assigned Phs	1	2		4	5	6	7	8
Phs Duration (G+Y+Rc), s	15.5	129.0		35.5	17.3	127.2	16.4	19.2
Change Period (Y+Rc), s	6.4	6.2		6.9	* 6.3	6.2	* 6.7	6.9
Max Green Setting (Gmax), s	23.6	88.8		48.1	* 24	88.8	* 18	23.1
Max Q Clear Time (g_c+I1), s	9.2	14.8		10.7	10.6	2.0	9.8	11.7
Green Ext Time (p_c), s	0.1	3.9		0.5	0.4	18.5	0.1	0.5

Intersection Summary	
HCM 6th Ctrl Delay	21.9
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, EBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Intersection	
Int Delay, s/veh	0.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	0	17	0	0	2	11	598	6	0	1788	18
Future Vol, veh/h	0	0	17	0	0	2	11	598	6	0	1788	18
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	0	250	-	250	250	-	250
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	53	92	92	25	46	92	50	92	93	64
Heavy Vehicles, %	0	0	12	0	0	0	0	19	0	0	7	0
Mvmt Flow	0	0	32	0	0	8	24	650	12	0	1923	28

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	-	-	962	-	-	325	1951	0	0	662	0	0
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	-	-	7.14	-	-	6.9	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	-	-	3.42	-	-	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	0	0	238	0	0	677	304	-	-	936	-	-
Stage 1	0	0	-	0	0	-	-	-	-	-	-	-
Stage 2	0	0	-	0	0	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	-	-	238	-	-	677	304	-	-	936	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	22.5	10.4	0.6	0
HCM LOS	C	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	304	-	-	238	677	936	-	-
HCM Lane V/C Ratio	0.079	-	-	0.135	0.012	-	-	-
HCM Control Delay (s)	17.9	-	-	22.5	10.4	0	-	-
HCM Lane LOS	C	-	-	C	B	A	-	-
HCM 95th %tile Q(veh)	0.3	-	-	0.5	0	0	-	-

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

HCM 6th Signalized Intersection Summary
3: SR 21 & Bonnybridge Rd

Existing Traffic w/ Revised Splits
P.M. Peak

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	62	173	1388	142	131	831
Future Volume (veh/h)	62	173	1388	142	131	831
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1633	1752	1633	1737	1678	1811
Adj Flow Rate, veh/h	70	211	1560	206	146	894
Peak Hour Factor	0.88	0.82	0.89	0.69	0.90	0.93
Percent Heavy Veh, %	18	10	18	11	15	6
Cap, veh/h	240	229	2144	1017	296	2680
Arrive On Green	0.15	0.15	1.00	1.00	0.06	0.78
Sat Flow, veh/h	1555	1485	3185	1472	1598	3532
Grp Volume(v), veh/h	70	211	1560	206	146	894
Grp Sat Flow(s),veh/h/ln	1555	1485	1552	1472	1598	1721
Q Serve(g_s), s	7.2	25.2	0.0	0.0	4.4	14.0
Cycle Q Clear(g_c), s	7.2	25.2	0.0	0.0	4.4	14.0
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	240	229	2144	1017	296	2680
V/C Ratio(X)	0.29	0.92	0.73	0.20	0.49	0.33
Avail Cap(c_a), veh/h	293	280	2144	1017	511	2680
HCM Platoon Ratio	1.00	1.00	2.00	2.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	67.4	75.1	0.0	0.0	5.8	6.0
Incr Delay (d2), s/veh	0.7	30.7	2.2	0.4	1.8	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.9	11.6	0.7	0.1	1.5	4.5
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	68.1	105.8	2.2	0.4	7.6	6.3
LnGrp LOS	E	F	A	A	A	A
Approach Vol, veh/h	281		1766			1040
Approach Delay, s/veh	96.4		2.0			6.5
Approach LOS	F		A			A

Timer - Assigned Phs	2		5	6	8
Phs Duration (G+Y+Rc), s	146.2		15.8	130.4	33.8
Change Period (Y+Rc), s	6.0		* 5.8	6.0	6.1
Max Green Setting (Gmax), s	134.0		* 34	94.0	33.9
Max Q Clear Time (g_c+I1), s	16.0		6.4	2.0	27.2
Green Ext Time (p_c), s	15.7		0.6	49.9	0.5

Intersection Summary	
HCM 6th Ctrl Delay	12.1
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Intersection	
Int Delay, s/veh	0.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	0	19	0	0	11	4	1452	24	9	902	1
Future Vol, veh/h	0	0	19	0	0	11	4	1452	24	9	902	1
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	0	250	-	250	250	-	250
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	53	92	92	25	46	92	50	92	93	64
Heavy Vehicles, %	0	0	12	0	0	0	0	19	0	0	7	0
Mvmt Flow	0	0	36	0	0	44	9	1578	48	10	970	2

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	-	-	485	-	-	789	972	0	0	1626	0	0
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	-	-	7.14	-	-	6.9	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	-	-	3.42	-	-	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	0	0	502	0	0	338	717	-	-	405	-	-
Stage 1	0	0	-	0	0	-	-	-	-	-	-	-
Stage 2	0	0	-	0	0	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	-	-	502	-	-	338	717	-	-	405	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-

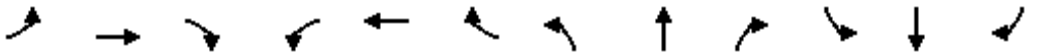
Approach	EB	WB	NB	SB
HCM Control Delay, s	12.7	17.2	0.1	0.1
HCM LOS	B	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	717	-	-	502	338	405	-	-
HCM Lane V/C Ratio	0.012	-	-	0.071	0.13	0.024	-	-
HCM Control Delay (s)	10.1	-	-	12.7	17.2	14.1	-	-
HCM Lane LOS	B	-	-	B	C	B	-	-
HCM 95th %tile Q(veh)	0	-	-	0.2	0.4	0.1	-	-

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

HCM 6th Signalized Intersection Summary
8: Gulfstream Rd/Crossgate Rd & SR 21

Existing Traffic w/ Revised Splits
P.M. Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	296	88	334	49	52	56	175	1200	55	36	725	96
Future Volume (veh/h)	296	88	334	49	52	56	175	1200	55	36	725	96
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1678	1900	1589	1752	1826	1781	1781	1663	1811	1841	1796	1826
Adj Flow Rate, veh/h	400	116	0	65	65	93	250	1379	0	50	763	0
Peak Hour Factor	0.74	0.76	0.93	0.75	0.80	0.60	0.70	0.87	0.73	0.72	0.95	0.72
Percent Heavy Veh, %	15	0	21	10	5	8	8	16	6	4	7	5
Cap, veh/h	443	638		129	137	113	291	1627		72	1597	
Arrive On Green	0.22	0.34	0.00	0.07	0.07	0.07	0.09	0.51	0.00	0.08	0.94	0.00
Sat Flow, veh/h	1598	1900	1346	1195	1826	1510	3291	3159	1535	1753	3413	1547
Grp Volume(v), veh/h	400	116	0	65	65	93	250	1379	0	50	763	0
Grp Sat Flow(s),veh/h/ln	1598	1900	1346	1195	1826	1510	1646	1580	1535	1753	1706	1547
Q Serve(g_s), s	40.3	7.8	0.0	9.6	6.1	10.9	13.5	67.6	0.0	5.0	4.7	0.0
Cycle Q Clear(g_c), s	40.3	7.8	0.0	9.6	6.1	10.9	13.5	67.6	0.0	5.0	4.7	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	443	638		129	137	113	291	1627		72	1597	
V/C Ratio(X)	0.90	0.18		0.50	0.48	0.82	0.86	0.85		0.70	0.48	
Avail Cap(c_a), veh/h	443	740		193	234	194	397	1627		103	1597	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	57.7	42.3	0.0	81.5	79.9	82.1	80.9	37.6	0.0	81.6	3.2	0.0
Incr Delay (d2), s/veh	21.6	0.1	0.0	3.0	2.6	13.6	13.2	5.7	0.0	11.6	1.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	19.4	3.7	0.0	3.0	3.0	4.7	6.2	26.4	0.0	2.4	1.3	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	79.4	42.4	0.0	84.4	82.4	95.7	94.1	43.3	0.0	93.2	4.3	0.0
LnGrp LOS	E	D		F	F	F	F	D		F	A	
Approach Vol, veh/h		516	A		223			1629	A		813	A
Approach Delay, s/veh		71.0			88.6			51.1			9.7	
Approach LOS		E			F			D			A	

Timer - Assigned Phs	1	2		4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.7	98.9		67.4	22.2	90.4	47.0	20.4
Change Period (Y+Rc), s	6.4	6.2		6.9	* 6.3	6.2	* 6.7	6.9
Max Green Setting (Gmax), s	10.6	79.8		70.1	* 22	68.8	* 40	23.1
Max Q Clear Time (g_c+I1), s	7.0	69.6		9.8	15.5	6.7	42.3	12.9
Green Ext Time (p_c), s	0.0	6.1		0.7	0.4	5.4	0.0	0.5

Intersection Summary	
HCM 6th Ctrl Delay	46.4
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.
Unsignalized Delay for [NBR, EBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

HCM 6th Signalized Intersection Summary
3: SR 21 & Bonnybridge Rd

2022 Traffic w/o Truck Yard
A.M. Peak

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	95	119	560	47	197	1758
Future Volume (veh/h)	95	119	560	47	197	1758
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1633	1752	1633	1737	1678	1811
Adj Flow Rate, veh/h	108	145	629	68	219	1890
Peak Hour Factor	0.88	0.82	0.89	0.69	0.90	0.93
Percent Heavy Veh, %	18	10	18	11	15	6
Cap, veh/h	172	164	2280	1081	622	2830
Arrive On Green	0.11	0.11	1.00	1.00	0.06	0.82
Sat Flow, veh/h	1555	1485	3185	1472	1598	3532
Grp Volume(v), veh/h	108	145	629	68	219	1890
Grp Sat Flow(s),veh/h/ln	1555	1485	1552	1472	1598	1721
Q Serve(g_s), s	11.9	17.3	0.0	0.0	5.7	38.9
Cycle Q Clear(g_c), s	11.9	17.3	0.0	0.0	5.7	38.9
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	172	164	2280	1081	622	2830
V/C Ratio(X)	0.63	0.89	0.28	0.06	0.35	0.67
Avail Cap(c_a), veh/h	250	238	2280	1081	1014	2830
HCM Platoon Ratio	1.00	1.00	2.00	2.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	76.5	78.9	0.0	0.0	4.1	6.3
Incr Delay (d2), s/veh	3.8	22.7	0.3	0.1	0.5	1.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.0	7.7	0.1	0.0	1.6	11.2
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	80.3	101.6	0.3	0.1	4.6	7.6
LnGrp LOS	F	F	A	A	A	A
Approach Vol, veh/h	253		697			2109
Approach Delay, s/veh	92.5		0.3			7.3
Approach LOS	F		A			A

Timer - Assigned Phs		2			5	6	8
Phs Duration (G+Y+Rc), s		154.0			15.8	138.2	26.0
Change Period (Y+Rc), s		6.0			* 5.8	6.0	6.1
Max Green Setting (Gmax), s		139.0			* 54	79.0	28.9
Max Q Clear Time (g_c+I1), s		40.9			7.7	2.0	19.3
Green Ext Time (p_c), s		63.6			1.1	10.1	0.5

Intersection Summary	
HCM 6th Ctrl Delay	12.7
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

HCM 6th Signalized Intersection Summary
8: Gulfstream Rd/Crossgate Rd & SR 21

2022 Traffic w/o Truck Yard
A.M. Peak

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	60	61	119	42	80	24	116	540	64	52	1534	264
Future Volume (veh/h)	60	61	119	42	80	24	116	540	64	52	1534	264
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1678	1900	1589	1752	1826	1781	1781	1663	1811	1841	1796	1826
Adj Flow Rate, veh/h	76	103	0	56	100	40	166	621	0	72	1615	0
Peak Hour Factor	0.79	0.59	0.83	0.75	0.80	0.60	0.70	0.87	0.73	0.72	0.95	0.72
Percent Heavy Veh, %	15	0	21	10	5	8	8	16	6	4	7	5
Cap, veh/h	142	302		122	124	103	207	2155		89	2288	
Arrive On Green	0.05	0.16	0.00	0.07	0.07	0.07	0.06	0.68	0.00	0.10	1.00	0.00
Sat Flow, veh/h	1598	1900	1346	1210	1826	1510	3291	3159	1535	1753	3413	1547
Grp Volume(v), veh/h	76	103	0	56	100	40	166	621	0	72	1615	0
Grp Sat Flow(s),veh/h/ln	1598	1900	1346	1210	1826	1510	1646	1580	1535	1753	1706	1547
Q Serve(g_s), s	7.8	8.7	0.0	8.1	9.7	4.6	9.0	14.0	0.0	7.2	0.0	0.0
Cycle Q Clear(g_c), s	7.8	8.7	0.0	8.1	9.7	4.6	9.0	14.0	0.0	7.2	0.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	142	302		122	124	103	207	2155		89	2288	
V/C Ratio(X)	0.54	0.34		0.46	0.80	0.39	0.80	0.29		0.81	0.71	
Avail Cap(c_a), veh/h	218	508		195	234	194	433	2155		230	2288	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	71.5	67.3	0.0	82.0	82.7	80.3	83.2	11.3	0.0	80.1	0.0	0.0
Incr Delay (d2), s/veh	3.1	0.7	0.0	2.7	11.4	2.4	7.0	0.3	0.0	16.0	1.9	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.3	4.3	0.0	2.6	4.9	1.8	4.0	4.8	0.0	3.5	0.6	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	74.6	68.0	0.0	84.6	94.1	82.7	90.2	11.7	0.0	96.1	1.9	0.0
LnGrp LOS	E	E		F	F	F	F	B		F	A	
Approach Vol, veh/h		179	A		196			787	A		1687	A
Approach Delay, s/veh		70.8			89.0			28.2			5.9	
Approach LOS		E			F			C			A	

Timer - Assigned Phs	1	2		4	5	6	7	8
Phs Duration (G+Y+Rc), s	15.5	129.0		35.5	17.6	126.8	16.4	19.2
Change Period (Y+Rc), s	6.4	6.2		6.9	* 6.3	6.2	* 6.7	6.9
Max Green Setting (Gmax), s	23.6	88.8		48.1	* 24	88.8	* 18	23.1
Max Q Clear Time (g_c+I1), s	9.2	16.0		10.7	11.0	2.0	9.8	11.7
Green Ext Time (p_c), s	0.1	4.2		0.5	0.4	18.7	0.1	0.5

Intersection Summary		
HCM 6th Ctrl Delay		21.9
HCM 6th LOS		C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, EBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Intersection	
Int Delay, s/veh	0.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	0	17	0	0	2	11	636	6	0	1797	18
Future Vol, veh/h	0	0	17	0	0	2	11	636	6	0	1797	18
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	0	250	-	250	250	-	250
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	53	92	92	25	46	92	50	92	93	64
Heavy Vehicles, %	0	0	12	0	0	0	0	19	0	0	7	0
Mvmt Flow	0	0	32	0	0	8	24	691	12	0	1932	28

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	-	-	966	-	-	346	1960	0	0	703	0	0
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	-	-	7.14	-	-	6.9	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	-	-	3.42	-	-	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	0	0	237	0	0	656	301	-	-	904	-	-
Stage 1	0	0	-	0	0	-	-	-	-	-	-	-
Stage 2	0	0	-	0	0	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	-	-	237	-	-	656	301	-	-	904	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	22.6	10.6	0.6	0
HCM LOS	C	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	301	-	-	237	656	904	-	-
HCM Lane V/C Ratio	0.079	-	-	0.135	0.012	-	-	-
HCM Control Delay (s)	18	-	-	22.6	10.6	0	-	-
HCM Lane LOS	C	-	-	C	B	A	-	-
HCM 95th %tile Q(veh)	0.3	-	-	0.5	0	0	-	-

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

HCM 6th Signalized Intersection Summary
3: SR 21 & Bonnybridge Rd

2022 Traffic w/o Truck Yard
P.M. Peak

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	62	173	1479	142	131	836
Future Volume (veh/h)	62	173	1479	142	131	836
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1633	1752	1633	1737	1678	1811
Adj Flow Rate, veh/h	70	211	1662	206	146	899
Peak Hour Factor	0.88	0.82	0.89	0.69	0.90	0.93
Percent Heavy Veh, %	18	10	18	11	15	6
Cap, veh/h	240	229	2144	1017	281	2680
Arrive On Green	0.15	0.15	1.00	1.00	0.06	0.78
Sat Flow, veh/h	1555	1485	3185	1472	1598	3532
Grp Volume(v), veh/h	70	211	1662	206	146	899
Grp Sat Flow(s),veh/h/ln	1555	1485	1552	1472	1598	1721
Q Serve(g_s), s	7.2	25.2	0.0	0.0	4.4	14.1
Cycle Q Clear(g_c), s	7.2	25.2	0.0	0.0	4.4	14.1
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	240	229	2144	1017	281	2680
V/C Ratio(X)	0.29	0.92	0.78	0.20	0.52	0.34
Avail Cap(c_a), veh/h	293	280	2144	1017	495	2680
HCM Platoon Ratio	1.00	1.00	2.00	2.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	67.4	75.1	0.0	0.0	5.9	6.0
Incr Delay (d2), s/veh	0.7	30.7	2.8	0.4	2.1	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.9	11.6	0.8	0.1	1.5	4.6
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	68.1	105.8	2.8	0.4	8.0	6.3
LnGrp LOS	E	F	A	A	A	A
Approach Vol, veh/h	281		1868			1045
Approach Delay, s/veh	96.4		2.6			6.5
Approach LOS	F		A			A

Timer - Assigned Phs		2			5	6	8
Phs Duration (G+Y+Rc), s		146.2			15.8	130.4	33.8
Change Period (Y+Rc), s		6.0			* 5.8	6.0	6.1
Max Green Setting (Gmax), s		134.0			* 34	94.0	33.9
Max Q Clear Time (g_c+I1), s		16.1			6.4	2.0	27.2
Green Ext Time (p_c), s		15.8			0.6	55.2	0.5

Intersection Summary	
HCM 6th Ctrl Delay	12.1
HCM 6th LOS	B

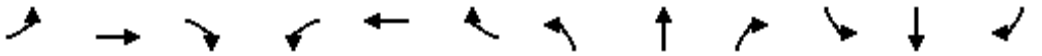
Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

HCM 6th Signalized Intersection Summary
8: Gulfstream Rd/Crossgate Rd & SR 21

2022 Traffic w/o Truck Yard
P.M. Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	296	88	338	49	52	56	185	1291	55	36	730	96
Future Volume (veh/h)	296	88	338	49	52	56	185	1291	55	36	730	96
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1678	1900	1589	1752	1826	1781	1781	1663	1811	1841	1796	1826
Adj Flow Rate, veh/h	400	116	0	65	65	93	264	1484	0	50	768	0
Peak Hour Factor	0.74	0.76	0.93	0.75	0.80	0.60	0.70	0.87	0.73	0.72	0.95	0.72
Percent Heavy Veh, %	15	0	21	10	5	8	8	16	6	4	7	5
Cap, veh/h	319	491		130	137	113	301	1872		72	1851	
Arrive On Green	0.15	0.26	0.00	0.08	0.08	0.08	0.09	0.59	0.00	0.08	1.00	0.00
Sat Flow, veh/h	1598	1900	1346	1195	1826	1510	3291	3159	1535	1753	3413	1547
Grp Volume(v), veh/h	400	116	0	65	65	93	264	1484	0	50	768	0
Grp Sat Flow(s),veh/h/ln	1598	1900	1346	1195	1826	1510	1646	1580	1535	1753	1706	1547
Q Serve(g_s), s	26.3	8.7	0.0	9.6	6.1	10.9	14.3	65.0	0.0	5.0	0.0	0.0
Cycle Q Clear(g_c), s	26.3	8.7	0.0	9.6	6.1	10.9	14.3	65.0	0.0	5.0	0.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	319	491		130	137	113	301	1872		72	1851	
V/C Ratio(X)	1.26	0.24		0.50	0.47	0.82	0.88	0.79		0.70	0.42	
Avail Cap(c_a), veh/h	319	613		207	255	211	342	1872		181	1851	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	68.5	52.7	0.0	81.4	79.8	82.0	80.8	28.2	0.0	81.6	0.0	0.0
Incr Delay (d2), s/veh	138.0	0.2	0.0	3.0	2.5	13.4	20.0	3.5	0.0	11.6	0.7	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	15.5	4.2	0.0	3.0	3.0	4.6	6.8	24.1	0.0	2.4	0.2	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	206.4	52.9	0.0	84.4	82.3	95.4	100.8	31.7	0.0	93.2	0.7	0.0
LnGrp LOS	F	D		F	F	F	F	C		F	A	
Approach Vol, veh/h		516	A		223			1748	A		818	A
Approach Delay, s/veh		171.9			88.4			42.2			6.3	
Approach LOS		F			F			D			A	

Timer - Assigned Phs	1	2		4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.7	112.8		53.4	22.8	103.8	33.0	20.4
Change Period (Y+Rc), s	6.4	6.2		6.9	* 6.3	6.2	* 6.7	6.9
Max Green Setting (Gmax), s	18.6	83.8		58.1	* 19	83.8	* 26	25.1
Max Q Clear Time (g_c+I1), s	7.0	67.0		10.7	16.3	2.0	28.3	12.9
Green Ext Time (p_c), s	0.1	9.3		0.6	0.2	5.5	0.0	0.6

Intersection Summary		
HCM 6th Ctrl Delay		56.7
HCM 6th LOS		E

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, EBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Intersection	
Int Delay, s/veh	0.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	0	19	0	0	11	4	1543	24	9	907	1
Future Vol, veh/h	0	0	19	0	0	11	4	1543	24	9	907	1
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	0	250	-	250	250	-	250
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	53	92	92	25	46	92	50	92	93	64
Heavy Vehicles, %	0	0	12	0	0	0	0	19	0	0	7	0
Mvmt Flow	0	0	36	0	0	44	9	1677	48	10	975	2

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	-	-	488	-	-	839	977	0	0	1725	0	0
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	-	-	7.14	-	-	6.9	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	-	-	3.42	-	-	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	0	0	500	0	0	313	714	-	-	371	-	-
Stage 1	0	0	-	0	0	-	-	-	-	-	-	-
Stage 2	0	0	-	0	0	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	-	-	500	-	-	313	714	-	-	371	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	12.8	18.4	0.1	0.1
HCM LOS	B	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	714	-	-	500	313	371	-	-
HCM Lane V/C Ratio	0.012	-	-	0.072	0.141	0.026	-	-
HCM Control Delay (s)	10.1	-	-	12.8	18.4	15	-	-
HCM Lane LOS	B	-	-	B	C	B	-	-
HCM 95th %tile Q(veh)	0	-	-	0.2	0.5	0.1	-	-

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

HCM 6th Signalized Intersection Summary
3: SR 21 & Bonnybridge Rd

2022 Traffic W / Truck Yard
A.M. Peak

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	95	119	571	47	197	1763
Future Volume (veh/h)	95	119	571	47	197	1763
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1633	1752	1633	1737	1678	1811
Adj Flow Rate, veh/h	108	145	642	68	219	1896
Peak Hour Factor	0.88	0.82	0.89	0.69	0.90	0.93
Percent Heavy Veh, %	18	10	18	11	15	6
Cap, veh/h	172	164	2280	1081	616	2830
Arrive On Green	0.11	0.11	1.00	1.00	0.06	0.82
Sat Flow, veh/h	1555	1485	3185	1472	1598	3532
Grp Volume(v), veh/h	108	145	642	68	219	1896
Grp Sat Flow(s),veh/h/ln	1555	1485	1552	1472	1598	1721
Q Serve(g_s), s	11.9	17.3	0.0	0.0	5.7	39.2
Cycle Q Clear(g_c), s	11.9	17.3	0.0	0.0	5.7	39.2
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	172	164	2280	1081	616	2830
V/C Ratio(X)	0.63	0.89	0.28	0.06	0.36	0.67
Avail Cap(c_a), veh/h	250	238	2280	1081	1008	2830
HCM Platoon Ratio	1.00	1.00	2.00	2.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	76.5	78.9	0.0	0.0	4.1	6.3
Incr Delay (d2), s/veh	3.8	22.7	0.3	0.1	0.5	1.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.0	7.7	0.1	0.0	1.6	11.2
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	80.3	101.6	0.3	0.1	4.6	7.6
LnGrp LOS	F	F	A	A	A	A
Approach Vol, veh/h	253		710			2115
Approach Delay, s/veh	92.5		0.3			7.3
Approach LOS	F		A			A

Timer - Assigned Phs		2			5	6	8
Phs Duration (G+Y+Rc), s		154.0			15.8	138.2	26.0
Change Period (Y+Rc), s		6.0			* 5.8	6.0	6.1
Max Green Setting (Gmax), s		139.0			* 54	79.0	28.9
Max Q Clear Time (g_c+I1), s		41.2			7.7	2.0	19.3
Green Ext Time (p_c), s		63.8			1.1	10.4	0.5

Intersection Summary	
HCM 6th Ctrl Delay	12.7
HCM 6th LOS	B

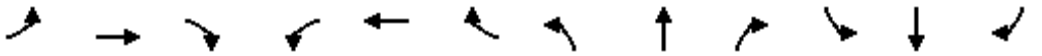
Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

HCM 6th Signalized Intersection Summary
8: Gulfstream Rd/Crossgate Rd & SR 21

2022 Traffic W / Truck Yard
A.M. Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	61	61	119	42	80	24	116	545	64	52	1534	264
Future Volume (veh/h)	61	61	119	42	80	24	116	545	64	52	1534	264
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1678	1900	1589	1752	1826	1781	1781	1663	1811	1841	1796	1826
Adj Flow Rate, veh/h	77	103	0	56	100	40	166	626	0	72	1615	0
Peak Hour Factor	0.79	0.59	0.83	0.75	0.80	0.60	0.70	0.87	0.73	0.72	0.95	0.72
Percent Heavy Veh, %	15	0	21	10	5	8	8	16	6	4	7	5
Cap, veh/h	143	303		122	124	103	207	2153		89	2285	
Arrive On Green	0.05	0.16	0.00	0.07	0.07	0.07	0.06	0.68	0.00	0.10	1.00	0.00
Sat Flow, veh/h	1598	1900	1346	1210	1826	1510	3291	3159	1535	1753	3413	1547
Grp Volume(v), veh/h	77	103	0	56	100	40	166	626	0	72	1615	0
Grp Sat Flow(s),veh/h/ln	1598	1900	1346	1210	1826	1510	1646	1580	1535	1753	1706	1547
Q Serve(g_s), s	7.9	8.7	0.0	8.1	9.7	4.6	9.0	14.2	0.0	7.2	0.0	0.0
Cycle Q Clear(g_c), s	7.9	8.7	0.0	8.1	9.7	4.6	9.0	14.2	0.0	7.2	0.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	143	303		122	124	103	207	2153		89	2285	
V/C Ratio(X)	0.54	0.34		0.46	0.80	0.39	0.80	0.29		0.81	0.71	
Avail Cap(c_a), veh/h	218	508		195	234	194	433	2153		230	2285	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	71.4	67.2	0.0	82.0	82.7	80.3	83.2	11.4	0.0	80.1	0.0	0.0
Incr Delay (d2), s/veh	3.2	0.7	0.0	2.7	11.4	2.4	7.0	0.3	0.0	16.0	1.9	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.4	4.3	0.0	2.6	4.9	1.8	4.0	4.8	0.0	3.5	0.6	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	74.6	67.9	0.0	84.6	94.1	82.7	90.2	11.7	0.0	96.1	1.9	0.0
LnGrp LOS	E	E		F	F	F	F	B		F	A	
Approach Vol, veh/h		180	A		196			792	A		1687	A
Approach Delay, s/veh		70.7			89.0			28.2			5.9	
Approach LOS		E			F			C			A	

Timer - Assigned Phs	1	2		4	5	6	7	8
Phs Duration (G+Y+Rc), s	15.5	128.9		35.6	17.6	126.7	16.5	19.2
Change Period (Y+Rc), s	6.4	6.2		6.9	* 6.3	6.2	* 6.7	6.9
Max Green Setting (Gmax), s	23.6	88.8		48.1	* 24	88.8	* 18	23.1
Max Q Clear Time (g_c+I1), s	9.2	16.2		10.7	11.0	2.0	9.9	11.7
Green Ext Time (p_c), s	0.1	4.3		0.5	0.4	18.7	0.1	0.5

Intersection Summary		
HCM 6th Ctrl Delay		21.9
HCM 6th LOS		C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, EBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Intersection	
Int Delay, s/veh	0.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	0	17	0	0	9	11	636	12	5	1797	18
Future Vol, veh/h	0	0	17	0	0	9	11	636	12	5	1797	18
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	0	250	-	250	250	-	250
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	53	92	92	25	46	92	50	92	93	64
Heavy Vehicles, %	0	0	12	0	0	78	0	19	50	100	7	0
Mvmt Flow	0	0	32	0	0	36	24	691	24	5	1932	28

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	-	-	966	-	-	346	1960	0	0	715	0	0
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	-	-	7.14	-	-	8.46	4.1	-	-	6.1	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	-	-	3.42	-	-	4.08	2.2	-	-	3.2	-	-
Pot Cap-1 Maneuver	0	0	237	0	0	473	301	-	-	453	-	-
Stage 1	0	0	-	0	0	-	-	-	-	-	-	-
Stage 2	0	0	-	0	0	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	-	-	237	-	-	473	301	-	-	453	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	22.6	13.2	0.6	0
HCM LOS	C	B		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	301	-	-	237	473	453	-	-
HCM Lane V/C Ratio	0.079	-	-	0.135	0.076	0.012	-	-
HCM Control Delay (s)	18	-	-	22.6	13.2	13	-	-
HCM Lane LOS	C	-	-	C	B	B	-	-
HCM 95th %tile Q(veh)	0.3	-	-	0.5	0.2	0	-	-

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

HCM 6th Signalized Intersection Summary
3: SR 21 & Bonnybridge Rd

2022 Traffic w/ Truck Yard
P.M. Peak

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	62	173	1490	142	131	841
Future Volume (veh/h)	62	173	1490	142	131	841
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1633	1752	1633	1737	1678	1811
Adj Flow Rate, veh/h	70	211	1674	206	146	904
Peak Hour Factor	0.88	0.82	0.89	0.69	0.90	0.93
Percent Heavy Veh, %	18	10	18	11	15	6
Cap, veh/h	240	229	2144	1017	279	2680
Arrive On Green	0.15	0.15	1.00	1.00	0.06	0.78
Sat Flow, veh/h	1555	1485	3185	1472	1598	3532
Grp Volume(v), veh/h	70	211	1674	206	146	904
Grp Sat Flow(s),veh/h/ln	1555	1485	1552	1472	1598	1721
Q Serve(g_s), s	7.2	25.2	0.0	0.0	4.4	14.2
Cycle Q Clear(g_c), s	7.2	25.2	0.0	0.0	4.4	14.2
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	240	229	2144	1017	279	2680
V/C Ratio(X)	0.29	0.92	0.78	0.20	0.52	0.34
Avail Cap(c_a), veh/h	293	280	2144	1017	494	2680
HCM Platoon Ratio	1.00	1.00	2.00	2.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	67.4	75.1	0.0	0.0	5.9	6.0
Incr Delay (d2), s/veh	0.7	30.7	2.9	0.4	2.2	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.9	11.6	0.9	0.1	1.5	4.6
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	68.1	105.8	2.9	0.4	8.0	6.3
LnGrp LOS	E	F	A	A	A	A
Approach Vol, veh/h	281		1880			1050
Approach Delay, s/veh	96.4		2.6			6.6
Approach LOS	F		A			A

Timer - Assigned Phs	2		5	6	8
Phs Duration (G+Y+Rc), s	146.2		15.8	130.4	33.8
Change Period (Y+Rc), s	6.0		* 5.8	6.0	6.1
Max Green Setting (Gmax), s	134.0		* 34	94.0	33.9
Max Q Clear Time (g_c+I1), s	16.2		6.4	2.0	27.2
Green Ext Time (p_c), s	16.0		0.6	55.9	0.5

Intersection Summary	
HCM 6th Ctrl Delay	12.1
HCM 6th LOS	B

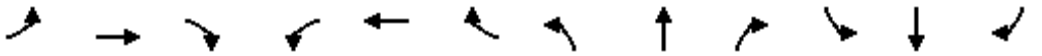
Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

HCM 6th Signalized Intersection Summary
8: Gulfstream Rd/Crossgate Rd & SR 21

2022 Traffic w/ Truck Yard
P.M. Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	297	88	338	49	52	56	185	1296	55	36	730	96
Future Volume (veh/h)	297	88	338	49	52	56	185	1296	55	36	730	96
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1678	1900	1589	1752	1826	1781	1781	1663	1811	1841	1796	1826
Adj Flow Rate, veh/h	401	116	0	65	65	93	264	1490	0	50	768	0
Peak Hour Factor	0.74	0.76	0.93	0.75	0.80	0.60	0.70	0.87	0.73	0.72	0.95	0.72
Percent Heavy Veh, %	15	0	21	10	5	8	8	16	6	4	7	5
Cap, veh/h	319	491		130	137	113	301	1872		72	1851	
Arrive On Green	0.15	0.26	0.00	0.08	0.08	0.08	0.09	0.59	0.00	0.08	1.00	0.00
Sat Flow, veh/h	1598	1900	1346	1195	1826	1510	3291	3159	1535	1753	3413	1547
Grp Volume(v), veh/h	401	116	0	65	65	93	264	1490	0	50	768	0
Grp Sat Flow(s),veh/h/ln	1598	1900	1346	1195	1826	1510	1646	1580	1535	1753	1706	1547
Q Serve(g_s), s	26.3	8.7	0.0	9.6	6.1	10.9	14.3	65.5	0.0	5.0	0.0	0.0
Cycle Q Clear(g_c), s	26.3	8.7	0.0	9.6	6.1	10.9	14.3	65.5	0.0	5.0	0.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	319	491		130	137	113	301	1872		72	1851	
V/C Ratio(X)	1.26	0.24		0.50	0.47	0.82	0.88	0.80		0.70	0.42	
Avail Cap(c_a), veh/h	319	613		207	255	211	342	1872		181	1851	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	68.5	52.7	0.0	81.4	79.8	82.0	80.8	28.3	0.0	81.6	0.0	0.0
Incr Delay (d2), s/veh	139.2	0.2	0.0	3.0	2.5	13.4	20.0	3.6	0.0	11.6	0.7	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	15.6	4.2	0.0	3.0	3.0	4.6	6.8	24.3	0.0	2.4	0.2	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	207.7	52.9	0.0	84.4	82.3	95.4	100.8	31.9	0.0	93.2	0.7	0.0
LnGrp LOS	F	D		F	F	F	F	C		F	A	
Approach Vol, veh/h		517	A		223			1754	A		818	A
Approach Delay, s/veh		173.0			88.4			42.3			6.3	
Approach LOS		F			F			D			A	

Timer - Assigned Phs	1	2		4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.7	112.8		53.4	22.8	103.8	33.0	20.4
Change Period (Y+Rc), s	6.4	6.2		6.9	* 6.3	6.2	* 6.7	6.9
Max Green Setting (Gmax), s	18.6	83.8		58.1	* 19	83.8	* 26	25.1
Max Q Clear Time (g_c+I1), s	7.0	67.5		10.7	16.3	2.0	28.3	12.9
Green Ext Time (p_c), s	0.1	9.2		0.6	0.2	5.5	0.0	0.6

Intersection Summary		
HCM 6th Ctrl Delay		56.9
HCM 6th LOS		E

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, EBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Intersection	
Int Delay, s/veh	1.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	0	19	0	0	22	4	1543	30	14	907	1
Future Vol, veh/h	0	0	19	0	0	22	4	1543	30	14	907	1
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	0	250	-	250	250	-	250
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	53	92	92	25	46	92	50	92	93	64
Heavy Vehicles, %	0	0	12	0	0	50	0	19	20	35	7	0
Mvmt Flow	0	0	36	0	0	88	9	1677	60	15	975	2

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	-	-	488	-	-	839	977	0	0	1737	0	0
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	-	-	7.14	-	-	7.9	4.1	-	-	4.8	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	-	-	3.42	-	-	3.8	2.2	-	-	2.55	-	-
Pot Cap-1 Maneuver	0	0	500	0	0	227	714	-	-	242	-	-
Stage 1	0	0	-	0	0	-	-	-	-	-	-	-
Stage 2	0	0	-	0	0	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	-	-	500	-	-	227	714	-	-	242	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-

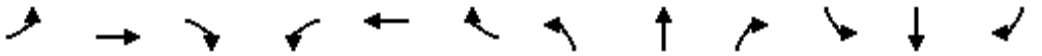
Approach	EB	WB	NB	SB
HCM Control Delay, s	12.8	30.6	0.1	0.3
HCM LOS	B	D		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	714	-	-	500	227	242	-	-
HCM Lane V/C Ratio	0.012	-	-	0.072	0.388	0.063	-	-
HCM Control Delay (s)	10.1	-	-	12.8	30.6	20.9	-	-
HCM Lane LOS	B	-	-	B	D	C	-	-
HCM 95th %tile Q(veh)	0	-	-	0.2	1.7	0.2	-	-

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

HCM 6th Signalized Intersection Summary
8: Gulfstream Rd/Crossgate Rd & SR 21

Existing Traffic w/ Revised Splits
P.M. Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	296	88	334	49	52	56	175	1200	55	36	725	96
Future Volume (veh/h)	296	88	334	49	52	56	175	1200	55	36	725	96
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1678	1900	1589	1752	1826	1781	1781	1663	1811	1841	1796	1826
Adj Flow Rate, veh/h	400	116	0	65	65	93	250	1379	0	50	763	0
Peak Hour Factor	0.74	0.76	0.93	0.75	0.80	0.60	0.70	0.87	0.73	0.72	0.95	0.72
Percent Heavy Veh, %	15	0	21	10	5	8	8	16	6	4	7	5
Cap, veh/h	443	638		129	137	113	291	1627		72	1597	
Arrive On Green	0.22	0.34	0.00	0.07	0.07	0.07	0.09	0.51	0.00	0.08	0.94	0.00
Sat Flow, veh/h	1598	1900	1346	1195	1826	1510	3291	3159	1535	1753	3413	1547
Grp Volume(v), veh/h	400	116	0	65	65	93	250	1379	0	50	763	0
Grp Sat Flow(s),veh/h/ln	1598	1900	1346	1195	1826	1510	1646	1580	1535	1753	1706	1547
Q Serve(g_s), s	40.3	7.8	0.0	9.6	6.1	10.9	13.5	67.6	0.0	5.0	4.7	0.0
Cycle Q Clear(g_c), s	40.3	7.8	0.0	9.6	6.1	10.9	13.5	67.6	0.0	5.0	4.7	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	443	638		129	137	113	291	1627		72	1597	
V/C Ratio(X)	0.90	0.18		0.50	0.48	0.82	0.86	0.85		0.70	0.48	
Avail Cap(c_a), veh/h	443	740		193	234	194	397	1627		103	1597	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	57.7	42.3	0.0	81.5	79.9	82.1	80.9	37.6	0.0	81.6	3.2	0.0
Incr Delay (d2), s/veh	21.6	0.1	0.0	3.0	2.6	13.6	13.2	5.7	0.0	11.6	1.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	19.4	3.7	0.0	3.0	3.0	4.7	6.2	26.4	0.0	2.4	1.3	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	79.4	42.4	0.0	84.4	82.4	95.7	94.1	43.3	0.0	93.2	4.3	0.0
LnGrp LOS	E	D		F	F	F	F	D		F	A	
Approach Vol, veh/h		516	A		223			1629	A		813	A
Approach Delay, s/veh		71.0			88.6			51.1			9.7	
Approach LOS		E			F			D			A	

Timer - Assigned Phs	1	2		4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.7	98.9		67.4	22.2	90.4	47.0	20.4
Change Period (Y+Rc), s	6.4	6.2		6.9	* 6.3	6.2	* 6.7	6.9
Max Green Setting (Gmax), s	10.6	79.8		70.1	* 22	68.8	* 40	23.1
Max Q Clear Time (g_c+I1), s	7.0	69.6		9.8	15.5	6.7	42.3	12.9
Green Ext Time (p_c), s	0.0	6.1		0.7	0.4	5.4	0.0	0.5

Intersection Summary		
HCM 6th Ctrl Delay		46.4
HCM 6th LOS		D

Notes

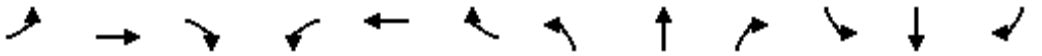
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, EBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

HCM 6th Signalized Intersection Summary
8: Gulfstream Rd/Crossgate Rd & SR 21

08/16/2021



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	296	88	338	49	52	56	185	1291	55	36	730	96
Future Volume (veh/h)	296	88	338	49	52	56	185	1291	55	36	730	96
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1678	1900	1589	1752	1826	1781	1781	1663	1811	1841	1796	1826
Adj Flow Rate, veh/h	400	116	0	65	65	93	264	1484	0	50	768	0
Peak Hour Factor	0.74	0.76	0.93	0.75	0.80	0.60	0.70	0.87	0.73	0.72	0.95	0.72
Percent Heavy Veh, %	15	0	21	10	5	8	8	16	6	4	7	5
Cap, veh/h	443	638		129	137	113	304	1627		72	1583	
Arrive On Green	0.22	0.34	0.00	0.07	0.07	0.07	0.09	0.51	0.00	0.08	0.93	0.00
Sat Flow, veh/h	1598	1900	1346	1195	1826	1510	3291	3159	1535	1753	3413	1547
Grp Volume(v), veh/h	400	116	0	65	65	93	264	1484	0	50	768	0
Grp Sat Flow(s),veh/h/ln	1598	1900	1346	1195	1826	1510	1646	1580	1535	1753	1706	1547
Q Serve(g_s), s	40.3	7.8	0.0	9.6	6.1	10.9	14.2	77.3	0.0	5.0	5.3	0.0
Cycle Q Clear(g_c), s	40.3	7.8	0.0	9.6	6.1	10.9	14.2	77.3	0.0	5.0	5.3	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	443	638		129	137	113	304	1627		72	1583	
V/C Ratio(X)	0.90	0.18		0.50	0.48	0.82	0.87	0.91		0.70	0.49	
Avail Cap(c_a), veh/h	443	740		193	234	194	397	1627		103	1583	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	57.7	42.3	0.0	81.5	79.9	82.1	80.6	39.9	0.0	81.6	3.7	0.0
Incr Delay (d2), s/veh	21.6	0.1	0.0	3.0	2.6	13.6	14.7	9.3	0.0	11.6	1.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	19.4	3.7	0.0	3.0	3.0	4.7	6.6	30.8	0.0	2.4	1.5	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	79.4	42.4	0.0	84.4	82.4	95.7	95.3	49.2	0.0	93.2	4.8	0.0
LnGrp LOS	E	D		F	F	F	F	D		F	A	
Approach Vol, veh/h		516	A		223			1748	A		818	A
Approach Delay, s/veh		71.0			88.6			56.2			10.2	
Approach LOS		E			F			E			B	

Timer - Assigned Phs	1	2		4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.7	98.9		67.4	22.9	89.7	47.0	20.4
Change Period (Y+Rc), s	6.4	6.2		6.9	* 6.3	6.2	* 6.7	6.9
Max Green Setting (Gmax), s	10.6	79.8		70.1	* 22	68.8	* 40	23.1
Max Q Clear Time (g_c+I1), s	7.0	79.3		9.8	16.2	7.3	42.3	12.9
Green Ext Time (p_c), s	0.0	0.4		0.7	0.4	5.4	0.0	0.5

Intersection Summary		
HCM 6th Ctrl Delay		49.3
HCM 6th LOS		D

Notes

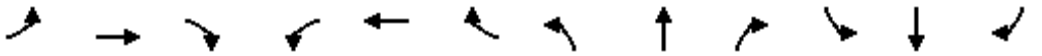
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, EBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

HCM 6th Signalized Intersection Summary
8: Gulfstream Rd/Crossgate Rd & SR 21

2022 Traffic w/ Truck Yard Revised Split
P.M. Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	297	88	338	49	52	56	185	1296	55	36	730	96
Future Volume (veh/h)	297	88	338	49	52	56	185	1296	55	36	730	96
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1678	1900	1589	1752	1826	1781	1781	1663	1811	1841	1796	1826
Adj Flow Rate, veh/h	401	116	0	65	65	93	264	1490	0	50	768	0
Peak Hour Factor	0.74	0.76	0.93	0.75	0.80	0.60	0.70	0.87	0.73	0.72	0.95	0.72
Percent Heavy Veh, %	15	0	21	10	5	8	8	16	6	4	7	5
Cap, veh/h	443	638		129	137	113	304	1627		72	1583	
Arrive On Green	0.22	0.34	0.00	0.07	0.07	0.07	0.09	0.51	0.00	0.08	0.93	0.00
Sat Flow, veh/h	1598	1900	1346	1195	1826	1510	3291	3159	1535	1753	3413	1547
Grp Volume(v), veh/h	401	116	0	65	65	93	264	1490	0	50	768	0
Grp Sat Flow(s),veh/h/ln	1598	1900	1346	1195	1826	1510	1646	1580	1535	1753	1706	1547
Q Serve(g_s), s	40.3	7.8	0.0	9.6	6.1	10.9	14.2	77.9	0.0	5.0	5.3	0.0
Cycle Q Clear(g_c), s	40.3	7.8	0.0	9.6	6.1	10.9	14.2	77.9	0.0	5.0	5.3	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	443	638		129	137	113	304	1627		72	1583	
V/C Ratio(X)	0.91	0.18		0.50	0.48	0.82	0.87	0.92		0.70	0.49	
Avail Cap(c_a), veh/h	443	740		193	234	194	397	1627		103	1583	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	57.8	42.3	0.0	81.5	79.9	82.1	80.6	40.1	0.0	81.6	3.7	0.0
Incr Delay (d2), s/veh	22.0	0.1	0.0	3.0	2.6	13.6	14.7	9.6	0.0	11.6	1.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	19.5	3.7	0.0	3.0	3.0	4.7	6.6	31.1	0.0	2.4	1.5	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	79.8	42.4	0.0	84.4	82.4	95.7	95.3	49.7	0.0	93.2	4.8	0.0
LnGrp LOS	E	D		F	F	F	F	D		F	A	
Approach Vol, veh/h		517	A		223			1754	A		818	A
Approach Delay, s/veh		71.4			88.6			56.6			10.2	
Approach LOS		E			F			E			B	

Timer - Assigned Phs	1	2		4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.7	98.9		67.4	22.9	89.7	47.0	20.4
Change Period (Y+Rc), s	6.4	6.2		6.9	* 6.3	6.2	* 6.7	6.9
Max Green Setting (Gmax), s	10.6	79.8		70.1	* 22	68.8	* 40	23.1
Max Q Clear Time (g_c+I1), s	7.0	79.9		9.8	16.2	7.3	42.3	12.9
Green Ext Time (p_c), s	0.0	0.0		0.7	0.4	5.4	0.0	0.5

Intersection Summary		
HCM 6th Ctrl Delay		49.6
HCM 6th LOS		D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [NBR, EBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

APPENDIX C

NOISE STUDY

(TERRACON)

Limited Noise Exposure Evaluation

Port Wentworth Truck Yard
Georgia Highway 21
Port Wentworth, Chatham County, Georgia

August 3, 2021
Terracon Project No. ES217193

Prepared for:

Atlantic Coast Consulting, Inc.
Savannah, Georgia

Prepared by:

Terracon Consultants, Inc.
Savannah, Georgia

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

August 3, 2021

Atlantic Coast Consulting, Inc.
7 East Congress Street, Suite 801
Savannah, Georgia 31401

Attn: Mr. Marc Liverman, PE
E: MLiverman@atlcc.net

Re: Limited Noise Exposure Evaluation
Port Wentworth Truck Yard
Georgia Highway 21
Port Wentworth, Chatham County, Georgia
Terracon Project No. ES217193

Dear Mr. Liverman:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Limited Noise Exposure Evaluation report for the above-referenced site. This assessment was performed in accordance with Terracon Proposal No. PES217193, dated June 21, 2021.

We appreciate the opportunity to be of service to you on this project. In addition to noise evaluation services, our professionals provide **geotechnical, environmental, construction materials, and facilities services** on a wide variety of projects locally, regionally and nationally. For more detailed information on all of Terracon's services please visit our website at www.terracon.com.

If there are any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,
Terracon Consultants, Inc.

Leah R. Moore, EIT
Senior Staff Environmental Engineer

William S. Anderson, III, PE
Senior Principal / Southeast Division Manager

TABLE OF CONTENTS

Section **Page No.**

1.0 INTRODUCTION 1
1.1 Project Description 1
1.2 Noise Overview 2
1.3 Purpose 2
1.4 Scope of Work 3
1.5 Reliance 3

2.0 FIELD ACTIVITIES 4
2.1 Background Sound Level Data Collection 4
2.2 Observed Noise Sources 4

3.0 EXISTING SOUND LEVELS 5
3.1 Average Leq Measurements 7
3.2 Peak 1-Hour Leq Measurements 8

4.0 PROJECTED SOUND LEVELS 9
4.1 Projected Sound Levels - Base Condition 10

5.0 CONCLUSIONS AND RECOMMENDATIONS 11
5.1 Conclusions 11
5.2 Recommendations 11

APPENDICES

APPENDIX A Figure 1 - Vicinity & Topographic Map
Figure 2 - Site Diagram
Figure 3 - Proposed Development Layout
Figure 4A - On-Site Existing Sound Levels
Figure 4B - Telfair Road Yards Existing Sound Levels
Figure 5 - Projected Sound Levels from Proposed Development

APPENDIX B Field Documentation

APPENDIX C Sound Level Meter Session Reports

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Limited Noise Exposure Evaluation

Port Wentworth Truck Yard
Georgia Highway 21
Port Wentworth, Chatham County, Georgia

Terracon Project No. ES217193
August 3, 2021

1.0 INTRODUCTION

1.1 Project Description

Terracon Consultants, Inc. (Terracon) has completed this Limited Noise Exposure Evaluation on behalf of Atlantic Coast Consulting, Inc. (ACC) for the proposed Port Wentworth truck yard development to be located along the eastern side of Georgia Highway 21 (Augusta Road), adjacent west of the newly developed Amazon warehouse employee and fleet parking lot, in Port Wentworth, Chatham County, Georgia. The location of the subject site is depicted on a Vicinity and Topographic Map provided as Figure 1 of Appendix A as reproduced on portions of the 2020 Garden City, Georgia and Port Wentworth, Georgia United States Geological Survey (USGS) 7.5-minute series topographic maps.

A diagram of the subject site is included as Figure 2 of Appendix A. As shown, the subject site currently consists of undeveloped wooded land and a portion of a paved access road connecting Georgia Highway 21 to the eastern adjoining Amazon parking lot, making up Chatham County parcel number 70035 01010.

Figure 3 of Appendix A depicts the proposed development which includes a gravel surfaced truck/chassis yard with access from the northern adjoining access road, as well as from the southern adjoining Parker's fueling station across the existing Georgia Power overhead powerline easement; an approximate 2,000-square feet administrative building; and two (2) stormwater retention/detention ponds. A 6-feet tall screened chain link fence is proposed along the eastern limit of the development. The northern, southern, and eastern limits will have a 6-feet tall concrete masonry unit (CMU) block wall or prefabricated aluminum paneling wall. It is Terracon's understanding that subject parcel 70035 01010 is currently zoned as General Business (C-3) and will need to be rezoned as Industrial (I-1) to support the proposed use.

The subject site is bound to the north by undeveloped wooded land; to the east by an Amazon employee and fleet parking lot; to the south by a Georgia Power overhead transmission line easement and unpaved access road, followed by construction associated with the Parker's fueling station expansion; and to the west by Georgia Highway 21 followed by the City of Savannah Industrial and Domestic Water Plant.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

1.2 Noise Overview

Noise is typically defined as unwanted or undesirable sound. The basic parameters of noise include intensity, frequency content, and variation with time. Noise intensity is determined by the level of sound, which is expressed in units of decibels (dB). The range of normally encountered sound on the decibel scale can be expressed by values between 0 dB and 120 dB. On a relative basis, a 3-dB change in sound level generally represents a barely perceptible change in a common outdoor setting. A 5-dB positive change represents a “noticeable” change and a 10-dB positive change is typically perceived as a doubling in volume. Similarly, a 10-dB decrease in noise levels is perceived as a 50% reduction in volume.

The frequency of noise is related to the tone or pitch of the sound and is expressed in terms of cycles per second, or hertz (Hz). The human ear can detect a wide range of frequencies from about 20 Hz to 17,000 Hz. However, because the sensitivity of human hearing varies with frequency, the A-weighting system is commonly used. A-weighting is applied to instrument-measured sound levels in an effort to account for the relative loudness perceived by the human ear, as the ear is less sensitive to low audio frequencies.

A-weighting is employed by arithmetically adding a table of values, listed by octave or third-octave bands, to the measured sound pressure levels in dB. The resulting octave band measurements are logarithmically added to provide a single A-weighted value describing the sound and the units are written as dB(A). The A-weighted sound level is widely accepted as a proper unit for describing environmental noise and has been adopted as the unit of measure by the Occupational Safety and Health Administration (OSHA), the American Conference of Governmental Industrial Hygienists (ACGIH), the Federal Highway Administration (FHWA), and the U.S. Environmental Protection Agency (EPA).

Because environmental noise fluctuates from moment to moment, it is common practice to condense all of this information into a single value known as the equivalent sound level (Leq). The Leq is a measure of the average sound energy during a specified period of time (typically 1 hour or 24 hours). The Leq is defined as the constant level that, over a given period of time, transmits the same amount of acoustical energy to a receiver as the actual time-varying sound. Peak 1-hour Leq provides the worst case equivalent hourly noise level for a given time period.

1.3 Purpose

The purpose of this evaluation was to satisfy the criteria set forth in the City of Port Wentworth, Georgia Code of Ordinances, Appendix B, Article V, Section 5.2. Specifically, Part C (Environmental Quality) of the Development Impact Assessment requirements in order to comply with I-1/I-2 zoning, states that a developer shall provide a noise study that includes the items on the following page.

- A 24-hour base-line survey of existing ambient sound levels (in Leq) at or near the property boundaries at intervals of not more than 300-feet.
- Estimated sound level data for the proposed development, with supporting documentation.
- A plat depicting the expected acoustic impact of the proposed development in 5-dB increments.

In addition, the ordinance states that where the noise generated by the proposed development is expected to exceed 55 dB(A) at any point along the property line, the developer shall provide a detailed proposal for noise-reduction measures, including, but not limited to, berms, sound-absorbing barriers, and vegetative buffers, and shall depict said improvements on the Preliminary General Site Plan submitted as part of the General Development Plan. The proposed parcel rezoning and development necessitates this Limited Noise Exposure Evaluation.

1.4 Scope of Work

Pursuant to the completion of this Limited Noise Exposure Evaluation, Terracon's scope of work included a visual and physical assessment of the subject site and the collection of sound level measurements along the property boundaries for an aggregate 24-hour period. In addition to the collection of sound level measurements at the subject site, Terracon also collected sound level measurements at two (2) existing similar truck yards located on Telfair Road in Savannah, Georgia. Terracon estimated and plotted the expected acoustic impact from the proposed development in 5-decibel increments, as applicable. A detailed discussion of Terracon's field procedures, existing sound level results, and sound level projections are included in the following sections. Conclusions and recommendations are presented at the end of this report.

1.5 Reliance

This report is prepared for the exclusive use and reliance of Atlantic Coast Consulting, Inc. (the client) and the City of Port Wentworth. Use or reliance by any other party is prohibited without the written authorization of the client and Terracon Consultants, Inc.

Reliance on this report by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, this report, and the Agreement for Subconsultant Services between Terracon and ACC, executed August 3, 2021. The limitation of liability defined in the Agreement for Subconsultant Services is the aggregate limit of Terracon's liability to the client and all relying parties.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

2.0 FIELD ACTIVITIES

2.1 Background Sound Level Data Collection

Existing background sound levels at the subject site were recorded for approximate 24-hour periods from July 21, 2021 through July 23, 2021. Sound levels were collected from four (4) locations along the subject site boundaries as shown on Figure 4A in Appendix A. As shown, location M1 was located along the eastern limit of the subject parcel adjacent to the Amazon employee and fleet parking lot. Location M2 was located along the southern boundary just north of the Georgia Power easement, unpaved access road, and Parker's fueling station expansion construction. M3 was located along the western property boundary along Georgia Highway 21. Lastly, location M4 was located on the northern subject parcel boundary, north of the existing paved access road connecting Georgia Highway 21 and the eastern Amazon parking lot.

In addition to the on-site background sound levels collected, Terracon recorded existing background sound levels at two (2) existing similar truck yards located on Telfair Road in Savannah, Georgia for approximate 24-hour periods from July 22, 2021 through July 23, 2021. The locations of the Telfair Road measurements are depicted in Figure 4B of Appendix A. Location M5 was located outside of the 290 Telfair Road yard to the southeast, approximately 6-feet from the yard's fence line. Location M6 was located outside of the 310 Telfair Road yard to the northeast, approximately 6-feet from the yard's fence line and 20-feet from the yard's entrance drive.

At each location, sound levels were recorded utilizing laboratory and field-calibrated Quest Technologies ANSI Type I SoundPro Model DL sound level meters. Data from the sound level meters was digitally imported utilizing the 3M™ Detection Management Software and processed utilizing Microsoft Excel. Photographs of the sound level meter locations and field observations are included in Appendix B.

2.2 Observed Noise Sources

During the collection of existing sound levels, a log was kept noting the time of day, meteorological conditions, and on-site/off-site noise sources. At on-site monitoring location M1, large truck noise on Jimmy Deloach Parkway and mixed vehicle traffic noise on Georgia Highway 21 dominated the noise environment. Traffic included heavy trucks (tractor-trailers, dump trucks, etc.), light and medium trucks, buses, motorcycles, and passenger vehicles. Additional noise sources included employee vehicle and Amazon delivery truck noise from the adjoining parking lot, wildlife (insect, bird, amphibian) sounds from the undeveloped subject site, and loading noises from the southeastern Amazon warehouse.

At location M2, traffic noise from Georgia Highway 21 and Jimmy Deloach Parkway dominated, with additional noise from wildlife, the southeastern Amazon warehouse, and construction to the

south for the Parker's fueling station expansion. Traffic noise from Georgia Highway 21 was the main source of noise at Location M3. Lastly, at Location M4, traffic noise from Georgia Highway 21 and Jimmy Deloach Parkway dominated, with additional noise from wildlife and vehicles using the access road from Georgia Highway 21 to the Amazon parking lot. In addition to vehicular traffic, other off-site noise sources noted at all on-site locations included occasional jet, airplane, and helicopters passing overhead and train noise from the rail line west of Georgia Highway 21.

At the existing Telfair Road yards, the overall noise environment at both measurement locations was dominated by traffic noise along Telfair Road and West Gwinnett Street, rather than noise emissions from the yards themselves. Additional noise sources included heavy truck and passenger vehicle noise along the access road between the two (2) Telfair Road yards, rail noise along the railroad spur to the east, wildlife noise from the vegetated area south of Location M5, and operational noise from the facilities north of Telfair Road (as heard at Location M6). A landscaping crew was also present and working in the vicinity of locations M5 and M6 the morning of July 23, 2021.

As discussed in Section 3.0 next, thunderstorms in the vicinity of locations M5 and M6 served as an additional noise source overnight on July 22, 2021 to July 23, 2021.

3.0 EXISTING SOUND LEVELS

The following sections provide summaries of the recorded sound levels at the subject site property boundaries and at the existing Telfair Road truck yards. Session data from each meter location was digitally imported utilizing the 3M™ Detection Management Software and processed utilizing Microsoft Excel. The session reports for each location run as provided by the 3M™ software are provided in Appendix C.

As shown on these reports, the software program automatically calculates an overall Leq for each session based on all the sound level data collected during that run. These values include all potentially falsely elevated readings that may be associated with user interactions (setting up the meter, checking the batteries, approaching/leaving the meter locations, etc.) as well as non-typical environmental noise sources such as thunderstorms and landscaping activities. As such, Terracon further processes the sound level data to remove these "false" readings in order to calculate more accurate sound levels.

Table 3.1 on the following page lists all the data points removed from each meter session for the purposes of calculating existing sound levels.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Table 3.1 - Data Removed from Sound Level Analysis

Location / Session	Actual Start Time & Date	Actual Stop Time & Date	Modified Start Time & Date	Modified Stop Time & Date	Readings Removed from Data	Comments
M1	09:41 7/21/2021	09:55 7/22/2021	09:42 7/21/2021	09:52 7/22/2021	09:41-09:42 7/21/2021	Setting up meter/departing
					16:34-16:38 7/21/2021	Approaching, stopped session to change battery, and departing
					09:52-09:55 7/22/2021	Approaching/ breaking down meter
M2	09:08 7/21/2021	09:31 7/22/2021	09:13 7/21/2021	09:30 7/22/2021	09:08-09:13 7/21/2021	Setting up meter/departing
					09:54-09:56 7/21/2021	Approaching to check battery
					16:38-16:44 7/21/2021	Approaching, stopped session to change battery, and departing
					09:30-09:31 7/22/2021	Approaching/ breaking down meter
M3	09:46 7/22/2021	10:10 7/23/2021	09:49 7/22/2021	10:08 7/23/2021	09:46-09:49 7/22/2021	Setting up meter/departing
					10:08-10:10 7/23/2021	Approaching/ breaking down meter
M4	09:29 7/21/2021	09:49 7/22/2021	09:42 7/21/2021	09:47 7/22/2021	09:29-09:31 7/21/2021	Setting up meter/departing
					16:28-16:32 7/21/2021	Approaching, stopped session to change battery, and departing
					09:47-09:49 7/22/2021	Approaching/ breaking down meter
M5	10:29 7/22/2021	10:30 7/23/2021	10:31 7/22/2021	10:29 7/23/2021	10:29-10:31 7/22/2021	Setting up meter/departing
					15:36 7/22/2021	Thunder
					21:59-01:04 7/22-23/2021	Thunderstorms

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Location / Session	Actual Start Time & Date	Actual Stop Time & Date	Modified Start Time & Date	Modified Stop Time & Date	Readings Removed from Data	Comments
M5 Cont.	10:29 7/22/2021	10:30 7/23/2021	10:31 7/22/2021	10:29 7/23/2021	08:37-08:53 7/23/2021	Landscaping crew working around meter
					10:29-10:30 7/23/2021	Approaching/ breaking down meter
M6	10:40 7/22/2021	10:36 7/23/2021	10:41 7/22/2021	08:36 7/23/2021	10:40-10:41 7/22/2021	Setting up meter/departing
					21:59-01:04 7/22-23/2021	Thunderstorms
					08:36-10:36 7/23/2021	Landscaping crew working around meter; Approaching/ breaking down meter

3.1 Average Leq Measurements

Using the sound level data as modified in Section 3.0, Terracon recalculated the 24-hour average Leq values at each measurement location as well as average day and night Leq values. 'Day' measurements refer to the hours between 07:00 and 21:00. 'Night' measurements refer to the hours between 21:00 and 07:00. The sound levels are presented in Table 3.2 below.

Table 3.2 - Summary of Average Leq Measurements

Location	24-Hour Average Leq dB(A)	"Day" Average Leq dB(A)	"Night" Average Leq dB(A)
Proposed Subject Site Locations			
M1	55.98	57.19	53.37
M2	62.17	62.98	60.69
M3	72.55	73.47	70.75
M4	64.16	64.99	62.61
Existing Telfair Road Yard Locations			
M5	57.24	58.02	55.05
M6	63.78	64.44	62.31

*Values in red exceed the City of Port Wentworth 55 dB(A) reference threshold.

The existing 24-hour average Leq values at the subject site ranged from 55.98 dB(A) to 72.55

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

dB(A), with values increasing with proximity to Georgia Highway 21. Average "day" Leq values were higher than their respective average "night" Leq values at all four (4) meter locations, likely due to decreased traffic and off-site operational activity. The 24-hour average Leq measurements are depicted on Figure 4A in Appendix A.

At the existing Telfair Road truck yards, the 24-hour average Leq value at location M5, southeast of the 290 Telfair Road truck yard, was 57.24 dB(A). At the entrance to the 310 Telfair Road truck yard, the 24-hour average Leq value at M6 was 63.78 dB(A). It is important to note that traffic noise from adjacent roadways, off-site rail operations, and off-site industrial noise made up the majority of the noise environment at these locations. As such, the values recorded at locations M5 and M6 are considered elevated and more representative of the off-site noise source levels than those generated by the truck yards themselves. The 24-hour average Leq measurements at the existing truck yards are depicted on Figure 4B in Appendix A.

As shown in Table 3.2, all on- and off-site Leq values, except the average "night" Leq at location M1, already exceed the 55 dB(A) threshold referenced in the City of Port Wentworth Code of Ordinances. Existing traffic noise generated along Georgia Highway 21 and Jimmy Deloach Parkway dominates the noise environment at the subject site. Similarly, traffic noise from adjacent Telfair Road and West Gwinnett Street dominates the noise environment at the existing Telfair Road truck yards.

3.2 Peak 1-Hour Leq Measurements

Maximum hourly Leq values were identified for each measurement location as shown in Table 3.3 on the following page. Peak 1-hour Leq values on-site ranged from around 61.92 dB(A) at location M1 to 76.67 dB(A) at location M3, again increasing with proximity to Georgia Highway 21. Peak hours at all four (4) on-site locations occurred during the late afternoon/early evening, typical of rush hour traffic periods on Georgia Highway 21 and Jimmy Deloach Parkway. Peak hours at location M1 and M4 were almost identical and took place just before peak hours at locations M2 and M3, indicating Amazon traffic noise into the eastern adjoining parking lot via the access road plays a significant role in sound levels at these locations.

Peak 1-hour Leq values for locations M5 and M6 both took place in the morning hours when off-site traffic and operational noise would be expected to increase at the start of the workday.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Table 3.3 - Summary of Peak 1-Hour Leq Measurements

Location	Peak 1-Hour Leq dB(A)	Time Period	Date
Proposed Subject Site Locations			
M1	61.92	13:47-14:46 13:48-14:47	7/21/2021
M2	66.72	14:31-15:30	7/21/2021
M3	76.67	15:30-16:29	7/22/2021
M4	68.76	13:46-14:45 13:47-14:46	7/21/2021
Existing Telfair Road Yard Locations			
M5	60.35	07:47-08:46*	7/23/2021
M6	67.38	06:27-07:26	7/23/2021

* Sound level readings from 08:37 through 08:46 not included in the Peak 1-hour Leq calculation for location M5 as these readings were removed from analysis due to on-site landscape crew noise as presented in Table 3.1.

4.0 PROJECTED SOUND LEVELS

As discussed in Section 3.1, the existing sound levels collected at the Telfair Road truck yards were dominated by off-site noise rather than actual truck yard operations. Sound levels at location M6 are likely almost entirely the result of traffic noise on Telfair Road and the access road between the two (2) truck yards. Location M5 was slightly better shielded from roadway traffic noise but is still considered heavily influenced by off-site noise sources. As a conservative approach, Terracon considered the sound level results at location M5 as most representative of those anticipated from the proposed truck yard in Port Wentworth.

These noise sources are considered point noise sources from which noise projects spherically away from the source in all directions. Noise attenuates, or decays, with distance away from the source. Factors such as topography, vegetation, and atmospheric conditions can further reduce noise across a distance. “Hard” flat ground surfaces, such as water, concrete/pavement, and hard-packed soil, are considered reflective surfaces where the ground does not provide any additional attenuation. The standard attenuation rate for hard site conditions is 6 dB per doubling of distance for point sources. “Soft” ground surfaces such as normal unpacked earth, vegetation, and wooded land, are considered absorptive and provide an additional 1.5 dB reduction per doubling of distance, for a total of 7.5 dB per distance doubled from the point noise source.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

4.1 Projected Sound Levels - Base Condition

Terracon conservatively projected the future sound levels emitting from the proposed development beginning at 57.24 dB(A) at a distance of 6-feet from the edges of the proposed truck yard. Surrounding site conditions were assumed to be "soft" across grassed buffers and primarily "hard" across proposed stormwater ponds and paved surfaces. Using the equation below, the approximate distances from the noise sources to each sound level contour were determined:

$$D = D_o * 10^{((57.24\ dB(A) - \text{Projected Sound Level in } dB(A))/\alpha)}$$

Where:
D = Distance from the point noise source
D_o = Reference measurement distance (6-feet in this case)
α = 20 for hard ground cover, 25 for soft ground cover. Assumes value of 7.5 dB(A) reduction for soft cover and 6 dB(A) reduction for hard cover per doubled distance.

In addition to attenuation with distance, noise reduction can be achieved using noise barriers such as noise walls or berms, or a combination of both. A 5 dB(A) reduction in noise can be achieved by breaking the line of sight between a noise source and the receiver using a properly constructed noise barrier. An additional 1 dB(A) reduction can be achieved for each additional 2-feet above the line of sight to the top of the wall or berm. The proposed development includes a 6-feet tall screened chain link fence along the eastern limits facing the Amazon parking lot and an assumed 6-feet tall CMU block or prefabricated aluminum paneling wall along the northern, western, and southern limits.

The chain link fence would not provide any noise reduction as it is not of solid construction. The CMU/aluminum paneling wall, however, could provide noise reduction if made of solid construction and if tall enough to provide a line of sight break. Assuming a height of 6-feet for the noise wall and base ground elevations similar to those present today, the proposed wall would break the horizontal line of sight toward a 6-feet tall receiver standing along the property boundaries at approximately 3-feet up the wall. The additional 3-feet in height of the proposed 6-feet tall wall would provide an additional 1.5 dB(A) reduction (1 dB(A) per 2-feet increase) on top of the 5 dB(A) line of sight reduction; yielding a total 6.5 dB(A) noise level reduction between the subject site developments and the northern, western, and southern property boundaries.

The resulting sound level contours are depicted on Figure 5 in Appendix A. It is important to note these projections include anticipated sound levels emitting from the proposed development only. Other noise sources and ambient sound levels are not considered. As shown, projected noise levels from the proposed development are expected to attenuate to 55 dB(A) or less within property boundaries with the exception of a small area along the northeast corner shared with the eastern Amazon parking lot. This exception is minimal and considered acceptable based on the

adjoining property use and existing ambient sound levels pre-development. Overall, projected noise levels are well below or equal to existing levels collected on-site.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

The purpose of this evaluation was to assess existing sound levels at the proposed development site and projected sound levels based on the proposed development as compared to general noise ordinances as laid out in the City of Port Wentworth, Georgia Code of Ordinances, Appendix B, Article V, Section 5.2. Specifically, Part C (Environmental Quality) of the Development Impact Assessment requires developers to evaluate noise-reduction measures where the noise generated by the proposed development is expected to exceed 55 dB(A) at any point along the property line.

With the exception of the average “night” Leq at location M1, all existing (undeveloped) 24-hour average Leq, average “day” Leq, and average “night” Leq values at the subject site exceed the 55 dB(A) threshold referenced in the City of Port Wentworth Code of Ordinances. Existing 24-hour average Leq values range from 55.98 dB(A) to 72.55 dB(A). Leq values increase with proximity to Georgia Highway 21 and traffic noise generated along Georgia Highway 21 and Jimmy Deloach Parkway dominates the noise environment at the subject site.

Conservative projected sound levels indicate on-site levels should primarily attenuate to 55 dB(A) or less within the subject parcel limits except for a small isolated area along the northeastern property boundary shared with the Amazon parking lot. This exception is minimal and considered acceptable based on the adjoining property use and existing ambient sound levels pre-development. Overall, projected noise levels are well below or equal to existing levels collected on-site.

5.2 Recommendations

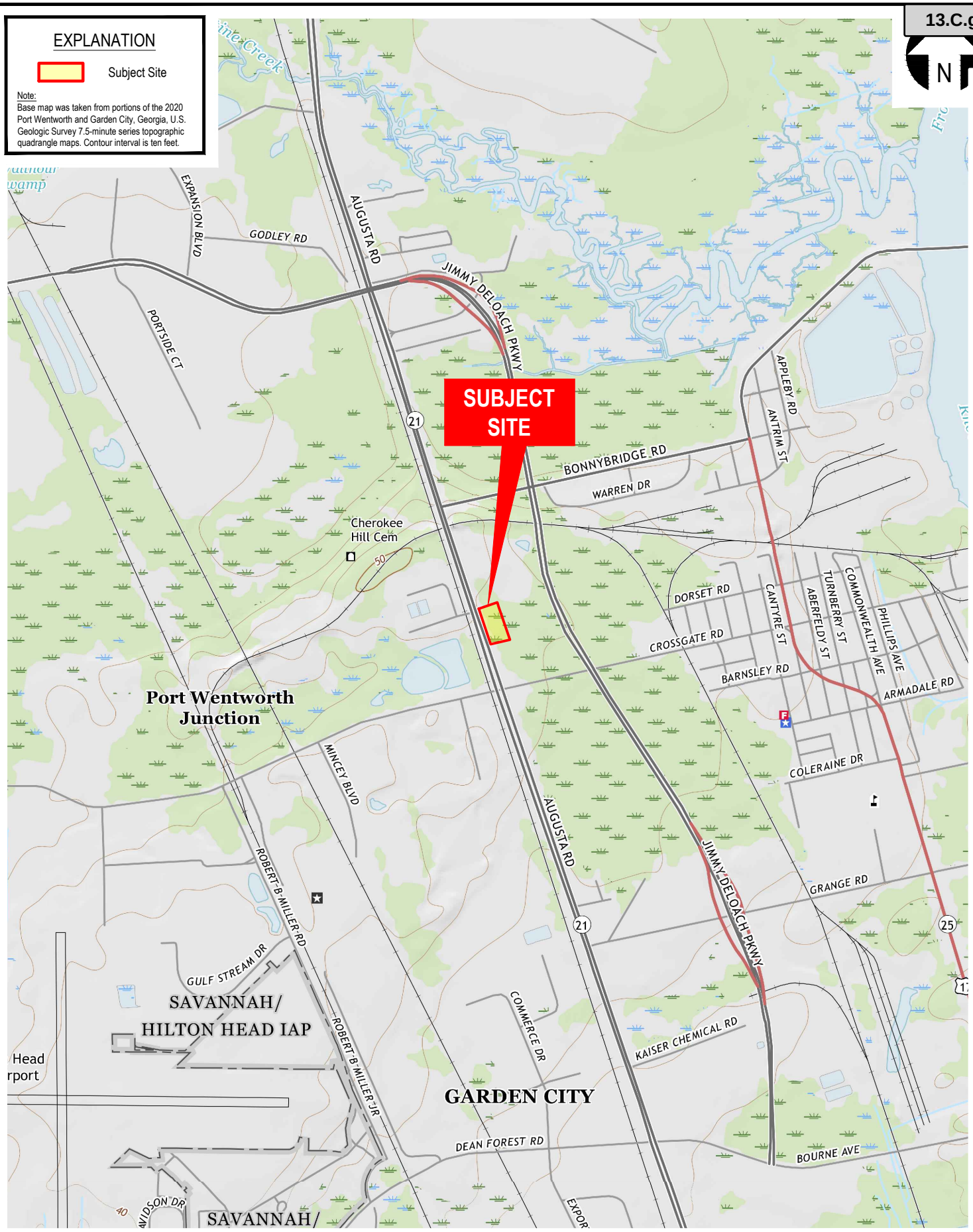
As currently proposed, Terracon has no recommendations for additional noise mitigation measures. Should the proposed development layout change or the proposed ground elevations differ from those currently present, the effectiveness of the CMU/aluminum paneling wall may need to be reevaluated.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

APPENDIX A

Figures



0 1,000' 2,000'
1" = 2,000'
SCALE IN FEET

Project Mngr:	LRM
Drawn By:	JDG
Checked By:	LRM
Approved By:	SAD

Project No.	ES217193
Scale:	AS SHOWN
File Name:	ES217193.dwg
Date:	July 15, 2021

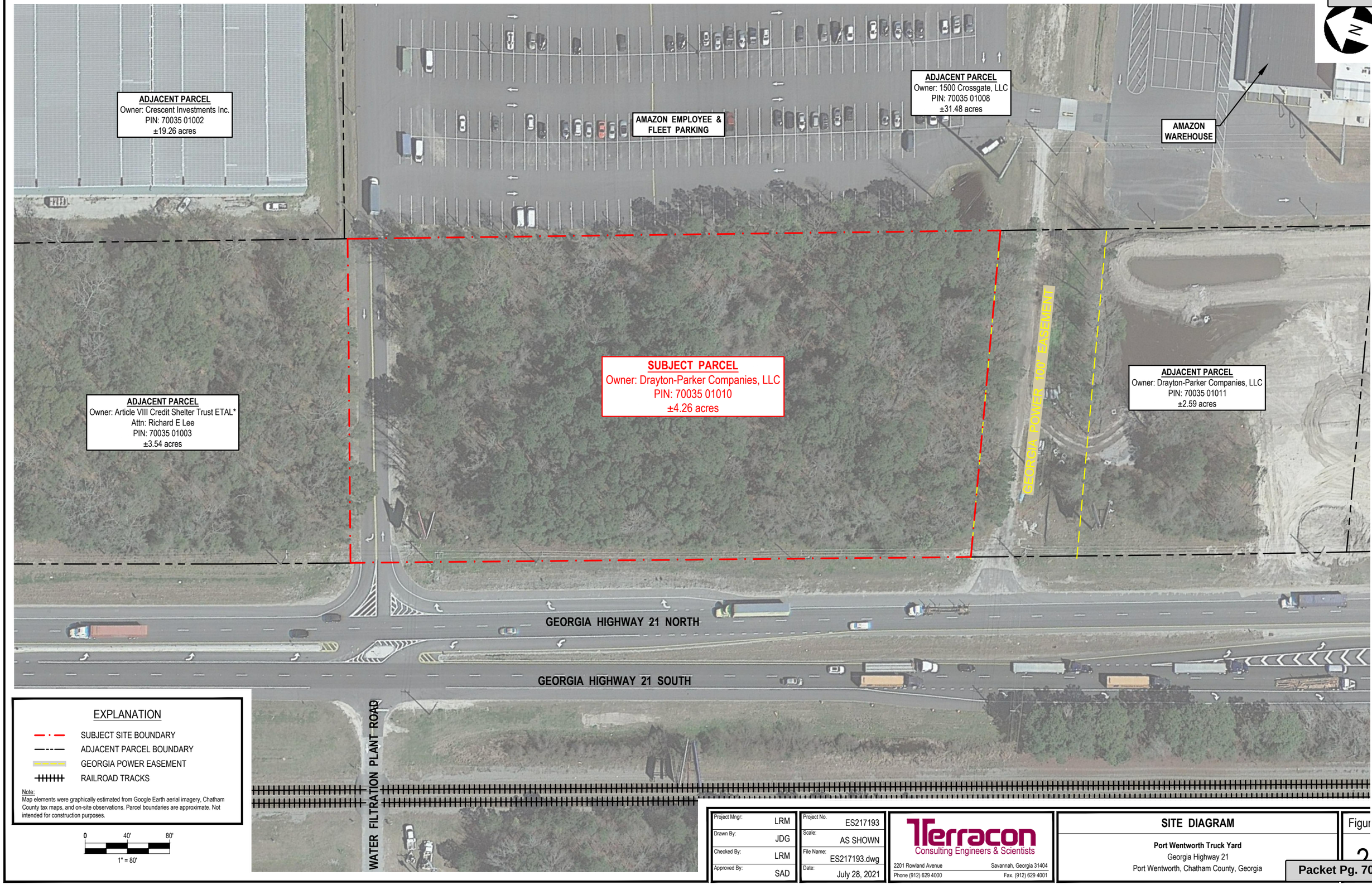
Terracon
Consulting Engineers & Scientists
2201 Rowland Avenue Savannah, Georgia 31404
Phone (912) 629 4000 Fax. (912) 629 4001

VICINITY & TOPOGRAPHIC MAP

Port Wentworth Truck Yard
Georgia Highway 21
Port Wentworth, Chatham Coun

Figu
1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck



EXPLANATION

- SUBJECT SITE BOUNDARY
- ADJACENT PARCEL BOUNDARY
- GEORGIA POWER EASEMENT
- RAILROAD TRACKS

Note:
Map elements were graphically estimated from Google Earth aerial imagery, Chatham County tax maps, and on-site observations. Parcel boundaries are approximate. Not intended for construction purposes.

0 40' 80'
1" = 80'

Project Mngr:	LRM	Project No.	ES217193
Drawn By:	JDG	Scale:	AS SHOWN
Checked By:	LRM	File Name:	ES217193.dwg
Approved By:	SAD	Date:	July 28, 2021

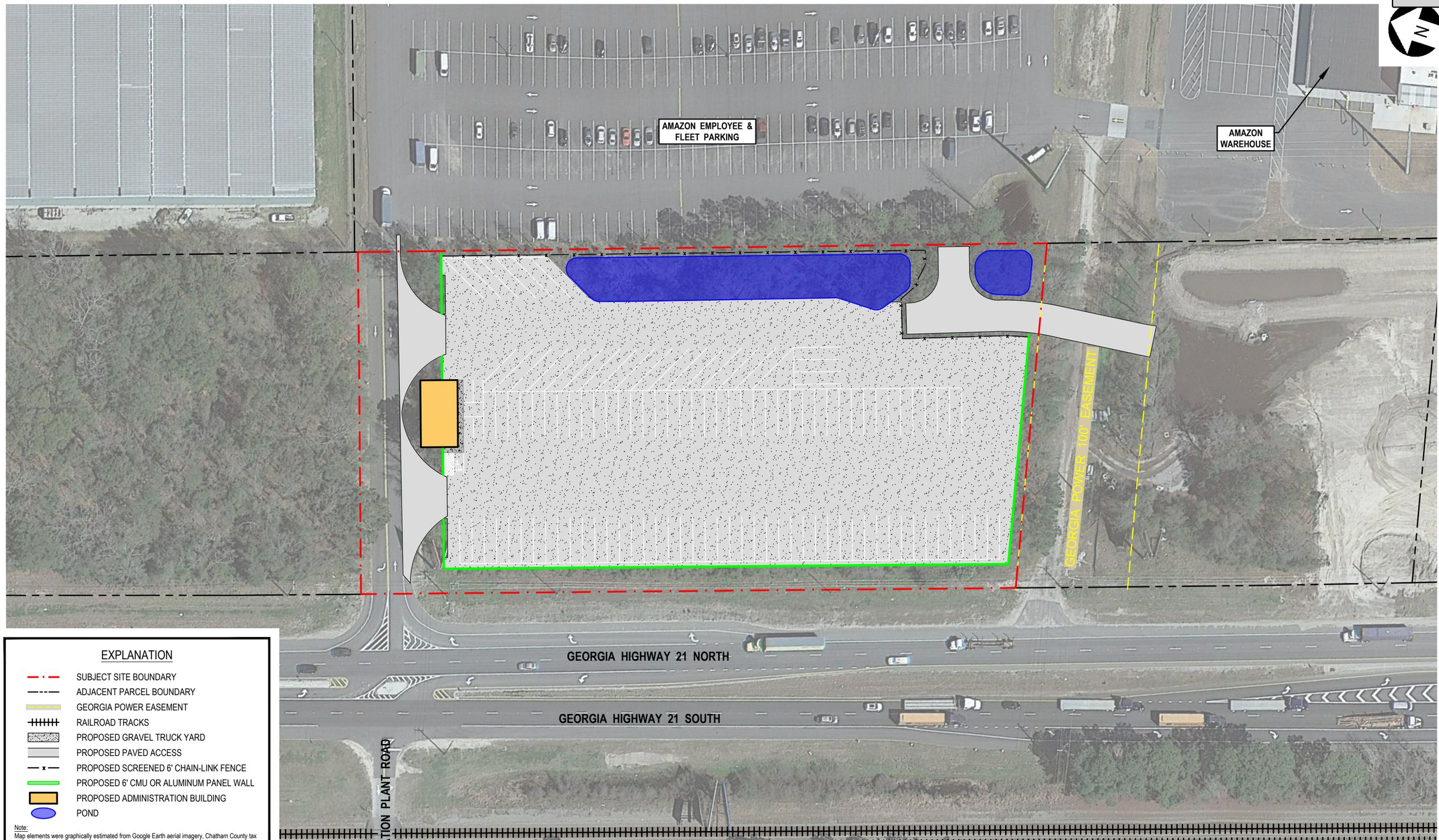
Terracon
Consulting Engineers & Scientists
2201 Rowland Avenue Savannah, Georgia 31404
Phone (912) 629 4000 Fax. (912) 629 4001

SITE DIAGRAM

Port Wentworth Truck Yard
Georgia Highway 21
Port Wentworth, Chatham County, Georgia

Figur 2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck



EXPLANATION

- SUBJECT SITE BOUNDARY
- ADJACENT PARCEL BOUNDARY
- GEORGIA POWER EASEMENT
- RAILROAD TRACKS
- PROPOSED GRAVEL TRUCK YARD
- PROPOSED PAVED ACCESS
- PROPOSED SCREENED 6' CHAIN-LINK FENCE
- PROPOSED 6' CMU OR ALUMINUM PANEL WALL
- PROPOSED ADMINISTRATION BUILDING
- POND

Note:
Map elements were graphically estimated from Google Earth aerial imagery, Chatham County tax maps, the Truck Yard Concept Plan drawing provided by Atlantic Coast Consulting, Inc, dated 6/30/2021, and on-site observations. Parcel boundaries are approximate. Not intended for construction purposes.

0 40' 80'
1" = 80'

Project Mngr:	LRM
Drawn By:	JDG
Checked By:	LRM
Approved By:	SAD

Project No.	ES217193
Scale:	AS SHOWN
File Name:	ES217193.dwg
Date:	July 28, 2021

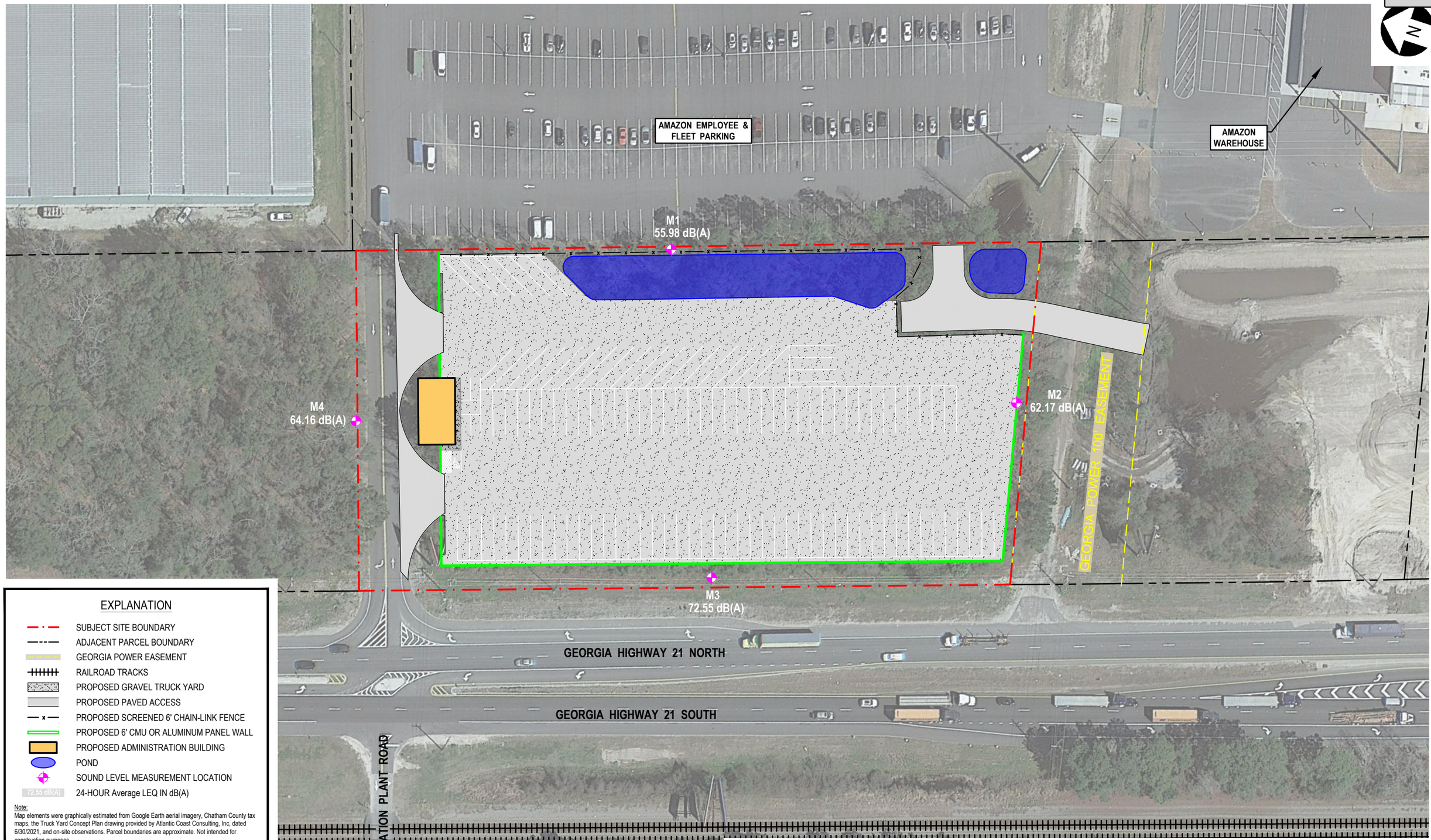
Terracon
Consulting Engineers & Scientists
2201 Rowland Avenue Savannah, Georgia 31404
Phone (912) 629 4000 Fax. (912) 629 4001

PROPOSED DEVELOPMENT LAYOUT

Port Wentworth Truck Yard
Georgia Highway 21
Port Wentworth, Chatham County, Georgia

Figur 3

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck



EXPLANATION

- SUBJECT SITE BOUNDARY
- ADJACENT PARCEL BOUNDARY
- GEORGIA POWER EASEMENT
- RAILROAD TRACKS
- PROPOSED GRAVEL TRUCK YARD
- PROPOSED PAVED ACCESS
- PROPOSED SCREENED 6' CHAIN-LINK FENCE
- PROPOSED 6' CMU OR ALUMINUM PANEL WALL
- PROPOSED ADMINISTRATION BUILDING
- POND
- SOUND LEVEL MEASUREMENT LOCATION
- 72.55 dB(A) 24-HOUR Average LEQ IN dB(A)

Note:
Map elements were graphically estimated from Google Earth aerial imagery, Chatham County tax maps, the Truck Yard Concept Plan drawing provided by Atlantic Coast Consulting, Inc, dated 6/30/2021, and on-site observations. Parcel boundaries are approximate. Not intended for construction purposes.

dB(A) - A-weighted sound level in decibels.

0 40' 80'
1" = 80'

Project Mngr:	LRM
Drawn By:	JDG
Checked By:	LRM
Approved By:	SAD

Project No.	ES217193
Scale:	AS SHOWN
File Name:	ES217193.dwg
Date:	July 28, 2021

Terracon
Consulting Engineers & Scientists
2201 Rowland Avenue Savannah, Georgia 31404
Phone (912) 629 4000 Fax. (912) 629 4001

ON-SITE EXISTING SOUND LEVELS

Port Wentworth Truck Yard
Georgia Highway 21
Port Wentworth, Chatham County, Georgia

Figur 4A

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

EXPLANATION

ADJACENT PARCEL BOUNDARY

SOUND LEVEL MEASUREMENT LOCATION

70.93 dB(A) 24-HOUR Average LEQ IN dB(A)

Note:
Map elements were graphically estimated from Google Earth aerial imagery, Chatham County tax maps, and on-site observations. Parcel boundaries are approximate. Not intended for construction purposes.

dB(A) - A-weighted sound level in decibels.

0 50' 100'

1" = 100'

TELFAIR ROAD

310 TELFAIR ROAD
TRUCK YARD

290 TELFAIR ROAD
TRUCK YARD

M6
63.78 dB(A)

M5
57.24 dB(A)

WEST GWINNETT STREET

Project Mngr:	LRM
Drawn By:	JDG
Checked By:	LRM
Approved By:	SAD

Project No.	ES217193
Scale:	AS SHOWN
File Name:	ES217193.dwg
Date:	July 28, 2021

Terracon
Consulting Engineers & Scientists
2201 Rowland Avenue Savannah, Georgia 31404
Phone (912) 629 4000 Fax. (912) 629 4001

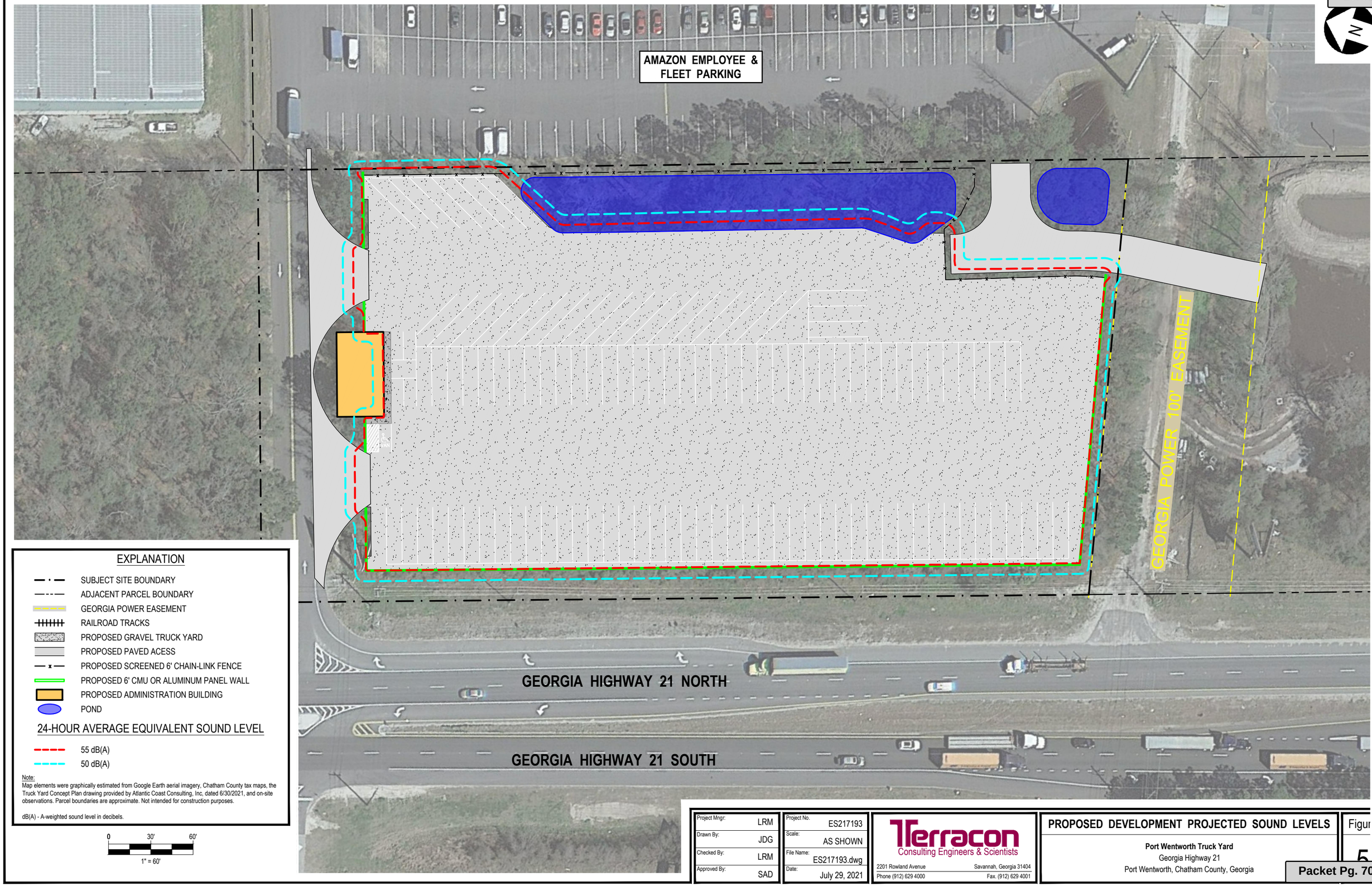
TELFAIR ROAD YARDS EXISTING SOUND LEVELS

Port Wentworth Truck Yard
Georgia Highway 21
Port Wentworth, Chatham County, Georgia

Figur

4B

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck



EXPLANATION

- SUBJECT SITE BOUNDARY
- ADJACENT PARCEL BOUNDARY
- GEORGIA POWER EASEMENT
- RAILROAD TRACKS
- PROPOSED GRAVEL TRUCK YARD
- PROPOSED PAVED ACESS
- PROPOSED SCREENED 6' CHAIN-LINK FENCE
- PROPOSED 6' CMU OR ALUMINUM PANEL WALL
- PROPOSED ADMINISTRATION BUILDING
- POND

24-HOUR AVERAGE EQUIVALENT SOUND LEVEL

- 55 dB(A)
- 50 dB(A)

Note:
Map elements were graphically estimated from Google Earth aerial imagery, Chatham County tax maps, the Truck Yard Concept Plan drawing provided by Atlantic Coast Consulting, Inc, dated 6/30/2021, and on-site observations. Parcel boundaries are approximate. Not intended for construction purposes.

dB(A) - A-weighted sound level in decibels.

0 30' 60'
1" = 60'

Project Mngr:	LRM
Drawn By:	JDG
Checked By:	LRM
Approved By:	SAD

Project No.	ES217193
Scale:	AS SHOWN
File Name:	ES217193.dwg
Date:	July 29, 2021

Terracon
Consulting Engineers & Scientists
2201 Rowland Avenue Savannah, Georgia 31404
Phone (912) 629 4000 Fax. (912) 629 4001

PROPOSED DEVELOPMENT PROJECTED SOUND LEVELS

Port Wentworth Truck Yard
Georgia Highway 21
Port Wentworth, Chatham County, Georgia

Figur 5

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

APPENDIX B

Field Documentation

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

PORT WENTWORTH TRUCK YARD – LIMITED NOISE EXPOSURE EVALUATION

Terracon Project No. ES217193

LOCATION ID: M1

Latitude, Longitude: 32.149331°, -81.177688°

Location Description: Along eastern property boundary shared by Amazon employee and fleet parking lot.

FIELD NOTES

SESSION A

- Session Start Time: 0941 on July 21, 2021
- Session End Time: 1635 on July 21, 2021

SESSION B

- Session Start Time: 1637 on July 21, 2021
- Session End Time: 0955 on July 22, 2021

OBSERVATIONS

- Location is closest to the Amazon employee/fleet parking lot and most exposed to noise from Jimmy Deloach Parkway and the Amazon warehouse loading docks to the southeast.
- Ambient noise is dominated by vehicular traffic on Jimmy Deloach Parkway and Georgia Highway 21 including heavy trucks (tractor-trailers, dump trucks, etc.), light trucks, passenger vehicles, and motorcycles; as well as employee vehicle and Amazon delivery truck noise from the adjoining parking lot, wildlife (insect, bird, amphibian) sounds from the undeveloped subject site, and loading noises from the southeastern Amazon warehouse. Occasional noise sources included jets, airplanes, and helicopters passing overhead and train noise from the rail line west of Georgia Highway 21.

EQUIPMENT AND DATA COLLECTION

Sound Level Meter Type 1, Quest Technologies SoundPro DL-1 (Meter No. 035262)
Noise measurements collected at 1-minute intervals.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

PORT WENTWORTH TRUCK YARD – LIMITED NOISE EXPOSURE EVALUATION

Terracon Project No. ES217193

LOCATION ID: M2

Latitude, Longitude: 32.148401°, -81.177812°

Location Description: Along southern property boundary, approximately 30-feet into the existing wood line.

FIELD NOTES

SESSION A

- Session Start Time: 0907 on July 21, 2021
- Session End Time: 1641 on July 21, 2021

SESSION B

- Session Start Time: 1642 on July 21, 2021
- Session End Time: 0932 on July 22, 2021

OBSERVATIONS

- Location is closest to the southern adjoining Georgia Power easement and unpaved access road, followed by construction associated with the northern expansion of the existing Parker's fueling station to the south.
- Ambient noise is dominated by vehicular traffic on both Jimmy Deloach Parkway and Georgia Highway 21 including heavy trucks (tractor-trailers, dump trucks, etc.), light trucks, passenger vehicles, and motorcycles; as well as wildlife (insect, bird, amphibian) sounds from the undeveloped subject site, and loading noises from the southeastern Amazon warehouse. Occasional noise sources included jets, airplanes, and helicopters passing overhead and train noise from the rail line west of Georgia Highway 21.

EQUIPMENT AND DATA COLLECTION

Sound Level Meter Type 1, Quest Technologies SoundPro DL-1 (Meter No. 035262)
Noise measurements collected at 1-minute intervals.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

PORT WENTWORTH TRUCK YARD – LIMITED NOISE EXPOSURE EVALUATION
Terracon Project No. ES217193

LOCATION ID: M3

Latitude, Longitude: 32.148992°, -81.178564°
Location Description: Along western property boundary and wood line, adjacent to Georgia Highway 21 right-of-way.

FIELD NOTES

SESSION A

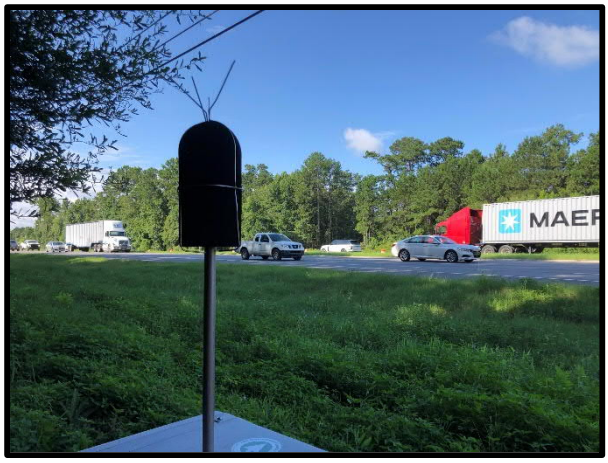
- Session Start Time: 0945 on July 22, 2021
- Session End Time: 1011 on July 23, 2021

OBSERVATIONS

- Location is closest to western adjoining Georgia Highway 21.
- Ambient noise is dominated by vehicular traffic on Georgia Highway 21 including heavy trucks (tractor-trailers, dump trucks, etc.), light trucks, passenger vehicles, and motorcycles. Occasional noise sources included jets, airplanes, and helicopters passing overhead and train noise from the rail line west of Georgia Highway 21.

EQUIPMENT AND DATA COLLECTION

Sound Level Meter Type 1, Quest Technologies SoundPro DL-1 (Meter No. 035262)
Noise measurements collected at 1-minute intervals.



Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

PORT WENTWORTH TRUCK YARD – LIMITED NOISE EXPOSURE EVALUATION
Terracon Project No. ES217193

LOCATION ID: M4

Latitude, Longitude: 32.149949°, -81.178440°
Location Description: Along northern property boundary, just inside the wood line north of the access road from Georgia Highway 21 to the eastern adjoining Amazon parking lot.

FIELD NOTES

SESSION A

- Session Start Time: 0928 on July 21, 2021
- Session End Time: 1628 on July 21, 2021

SESSION B

- Session Start Time: 1631 on July 21, 2021
- Session End Time: 0949 on July 22, 2021

OBSERVATIONS

- Location is closest to the northern adjoining undeveloped wooded lot.
- Ambient noise is dominated by vehicular traffic on both Jimmy Deloach Parkway and Georgia Highway 21 including heavy trucks (tractor-trailers, dump trucks, etc.), light trucks, passenger vehicles, and motorcycles; as well as wildlife (insect, bird, amphibian) sounds from the northern adjoining undeveloped lot, and vehicle noise on the access road traversing the northern portion of the subject site. Occasional noise sources included jets, airplanes, and helicopters passing overhead and train noise from the rail line west of Georgia Highway 21.

EQUIPMENT AND DATA COLLECTION

Sound Level Meter Type 1, Quest Technologies SoundPro DL-1 (Meter No. 035262)
Noise measurements collected at 1-minute intervals.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

PORT WENTWORTH TRUCK YARD – LIMITED NOISE EXPOSURE EVALUATION
Terracon Project No. ES217193

LOCATION ID: M5

Latitude, Longitude: 32.081576°, -81.139213°
Location Description: Approximately 6-feet from southern fence line of existing 290 Telfair Road truck yard.

FIELD NOTES

SESSION A

- Session Start Time: 1029 on July 22, 2021
- Session End Time: 1031 on July 23, 2021

OBSERVATIONS

- Location is representative of sound levels along chassis/trailer staging areas of proposed truck yard, minus off-site noises.
- Ambient noise is not dominated by existing truck yard noise, but rather off-site noise sources including vehicular traffic on both Telfair Road and West Gwinnett Street including heavy trucks (tractor-trailers, dump trucks, etc.), light trucks, passenger vehicles, and motorcycles; as well as heavy trucks using the access road southwest of the 290 Telfair Road yard, wildlife (insect, bird, amphibian) sounds from the southern adjoining vegetated easement, and rail noise from nearby railroad spurs.

EQUIPMENT AND DATA COLLECTION

Sound Level Meter Type 1, Quest Technologies SoundPro DL-1 (Meter No. 40395)
Noise measurements collected at 1-minute intervals.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

PORT WENTWORTH TRUCK YARD – LIMITED NOISE EXPOSURE EVALUATION
Terracon Project No. ES217193

LOCATION ID: M6

Latitude, Longitude: 32.081342°, -81.140211°
Location Description: Approximately 6-feet from eastern fence line, and 20-feet south of eastern entrance to existing 310 Telfair Road truck yard.

FIELD NOTES

SESSION A

- Session Start Time: 1039 on July 22, 2021
- Session End Time: 1036 on July 23, 2021

OBSERVATIONS

- Location is representative of sound levels near an entrance into the proposed truck yard, minus off-site noises.
- Ambient noise is not dominated by existing truck yard noise, but rather off-site noise sources including vehicular traffic on both Telfair Road and West Gwinnett Street including heavy trucks (tractor-trailers, dump trucks, etc.), light trucks, passenger vehicles, and motorcycles; as well as heavy trucks using the access road southwest of the 290 Telfair Road yard, industrial noise from facilities along Telfair Road, and rail noise from nearby railroad spurs.

EQUIPMENT AND DATA COLLECTION

Sound Level Meter Type 1, Quest Technologies SoundPro DL-1 (Meter No. 035262)
Noise measurements collected at 1-minute intervals.

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

APPENDIX C

Sound Level Meter Session Reports

Location M1: Session Report #1

Meter No. 035262
Run No. S099
Start: 0940 on 7/21/2021
End: 1635 on 7/21/2021

Information Panel

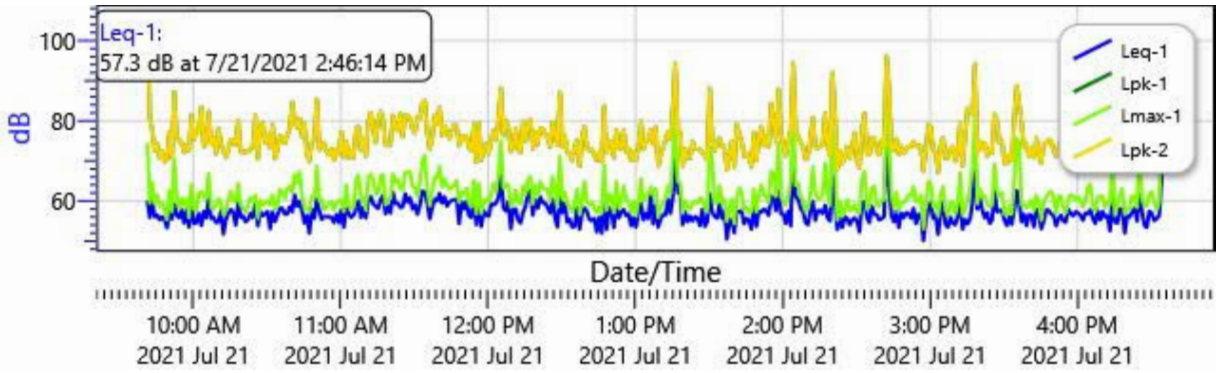
Name	S099_BLP020005_23072021_112554
Start Time	7/21/2021 9:40:14 AM
Stop Time	7/21/2021 4:35:41 PM
Device Name	BLP020005
Model Type	SoundPro DL
Device Firmware Rev	R.13H
Comments	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	59.4 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	SLOW	Bandwidth	1	OFF
Exchange Rate	2	3 dB	Weighting	2	A
Response	2	SLOW			

Logged Data Chart

S099_BLP020005_23072021_112554: Logged Data Chart



Logged Data Table

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7/21/2021	60.1	74.5	51.3	106.2	60.1	74.5	51.4	106.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:41:14 AM								
9:42:14 AM	55.9	59.5	49.7	80.8	55.9	59.5	49.7	80.8
9:43:14 AM	60.3	64.6	53.3	77.9	60.3	64.6	53.3	77.9
9:44:14 AM	56	59.4	52.9	72.6	56	59.4	52.9	72.6
9:45:14 AM	56.5	61.5	52.8	74.2	56.5	61.5	52.9	74.3
9:46:14 AM	55.3	58.7	51.1	70.8	55.3	58.8	51.1	70.9
9:47:14 AM	56.1	59.5	52.3	72.5	56.1	59.5	52.3	72.5
9:48:14 AM	55.4	57.7	52.3	69.8	55.5	57.7	52.3	69.8
9:49:14 AM	53.3	55.4	51.6	70.4	53.3	55.4	51.6	70.4
9:50:14 AM	57.4	62.6	54	77.2	57.4	62.6	54	77.2
9:51:14 AM	55.5	57.4	52.9	70.9	55.6	57.4	52.9	70.9
9:52:14 AM	59.2	70.5	53.7	87.3	59.2	70.5	53.7	87.3
9:53:14 AM	56.5	60.9	52.7	76	56.5	60.9	52.7	76.1
9:54:14 AM	55.8	58.1	53.2	75.1	55.8	58.1	53.2	75.1
9:55:14 AM	57.8	60.7	51.2	74.5	57.8	60.7	51.3	74.6
9:56:14 AM	54.5	58.8	51.3	72.2	54.5	58.8	51.3	72.2
9:57:14 AM	57.8	60.6	53.5	73.8	57.8	60.6	53.5	73.8
9:58:14 AM	53.5	55.9	48.8	72.6	53.5	55.9	48.8	72.6
9:59:14 AM	59.7	64.2	53.1	81.5	59.8	64.3	53.1	81.5
10:00:14 AM	54.4	58	50.8	75.3	54.5	58	50.9	75.4
10:01:14 AM	54.6	57.6	49.4	77.4	54.6	57.6	49.4	77.4
10:02:14 AM	56.9	61.9	51.2	77.5	56.9	61.9	51.2	77.5
10:03:14 AM	53.9	62.3	50.3	83.5	53.9	62.3	50.3	83.5
10:04:14 AM	57.4	60.9	54.6	73.5	57.5	60.9	54.6	73.4
10:05:14 AM	55.8	60.6	51.9	74.6	55.8	60.6	51.9	74.6
10:06:14 AM	60.8	66.9	56.7	82.3	60.9	66.9	56.7	82.3
10:07:14 AM	55.6	58.2	51.8	74.3	55.7	58.2	51.8	74.3
10:08:14 AM	55.9	58.1	54.2	75.7	55.9	58.2	54.2	75.7
10:09:14 AM	54.6	59.1	50	71.8	54.6	59.2	50.1	71.9
10:10:14 AM	54.9	60.7	52.3	78.1	54.9	60.7	52.3	78.1
10:11:14 AM	57.6	59.2	55.3	74.3	57.6	59.3	55.3	74.3
10:12:14 AM	51.8	56.6	49	72.5	51.9	56.7	49	72.5
10:13:14 AM	55.3	57.8	48.9	70.9	55.3	57.9	48.9	70.9
10:14:14 AM	57	60.1	52.9	73	57	60.1	52.9	73.1
10:15:14 AM	57.9	62.4	51.6	75.4	57.9	62.4	51.6	75.4
10:16:14 AM	57.1	59.9	51.1	75.2	57.1	59.9	51.1	75.3
10:17:14 AM	54	59.8	50.5	73.9	54.1	59.8	50.5	73.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
10:18:14 AM	59.6	64.4	56.7	80.2	59.6	64.4	56.8	80.2
10:19:14 AM	55.9	58.9	51.9	72.5	55.9	59	52	72.5
10:20:14 AM	56.3	58.4	53.1	72	56.4	58.5	53.1	72
10:21:14 AM	54.8	57.2	52.7	72.5	54.8	57.3	52.7	72.5
10:22:14 AM	55.3	58.8	53.2	72.3	55.3	58.8	53.2	72.3
10:23:14 AM	56.9	60.8	50.9	73	56.9	60.9	50.9	73.1
10:24:14 AM	55.9	59.9	51.6	73.5	55.9	59.9	51.6	73.5
10:25:14 AM	59.3	61.4	55.5	81.4	59.3	61.4	55.6	81.4
10:26:14 AM	53.8	55.7	51.5	70.5	53.8	55.7	51.5	70.5
10:27:14 AM	57.3	60.2	53.6	78.3	57.4	60.3	53.6	78.3
10:28:14 AM	56.3	58.9	53.2	79.5	56.3	58.9	53.3	79.5
10:29:14 AM	56.8	59.6	52.7	74.6	56.8	59.6	52.7	74.7
10:30:14 AM	57.4	60.1	49.7	76.4	57.4	60.1	49.7	76.4
10:31:14 AM	53.1	59	48.8	73.3	53.2	59	48.8	73.4
10:32:14 AM	57.3	61.5	55	79	57.3	61.5	55.1	79
10:33:14 AM	54.9	58	50.8	70.5	54.9	58	50.8	70.5
10:34:14 AM	56.5	59.1	52.6	73	56.6	59.1	52.6	73
10:35:14 AM	58.2	62.9	52.6	76.3	58.2	62.9	52.7	76.3
10:36:14 AM	58.2	62	54.8	75.7	58.3	62	54.9	75.8
10:37:14 AM	56.7	60.6	51.1	74.3	56.8	60.6	51.1	74.3
10:38:14 AM	56.8	63	50.2	76.4	56.8	63	50.2	76.4
10:39:14 AM	58.6	63.7	53.5	77.9	58.6	63.8	53.5	77.9
10:40:14 AM	57.3	62.1	53.8	84.6	57.4	62.2	53.8	84.6
10:41:14 AM	61.5	66.6	54.9	79.8	61.6	66.6	54.9	79.8
10:42:14 AM	58.7	64.4	53	78.3	58.7	64.4	53	78.3
10:43:14 AM	59.9	67.3	52.5	80.6	59.9	67.3	52.5	80.6
10:44:14 AM	57.5	61.1	52.9	76.1	57.5	61.1	52.9	76.1
10:45:14 AM	54.5	58.1	51.2	79.3	54.5	58.1	51.3	79.3
10:46:14 AM	56.4	58.2	52.9	71.6	56.4	58.2	52.9	71.7
10:47:14 AM	52	57.3	48.9	69.9	52	57.3	48.9	69.8
10:48:14 AM	57.9	61.2	52.8	74.9	57.9	61.3	52.8	74.9
10:49:14 AM	55.7	60.9	47.9	75.2	55.7	61	47.9	75.2
10:50:14 AM	60.5	68.7	49.1	85.4	60.6	68.7	49.1	85.5
10:51:14 AM	57.7	60	52.3	72.8	57.7	60.1	52.4	72.8
10:52:14 AM	55.4	60.5	51.2	73.8	55.4	60.6	51.2	73.8
10:53:14 AM	56.2	57.8	53.9	74.6	56.2	57.8	53.9	74.6
10:54:14 AM	56.1	58.5	53.2	72.4	56.2	58.5	53.2	72.5

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
10:55:14 AM	56.1	59.5	52.2	71.4	56.1	59.5	52.3	71.4
10:56:14 AM	55.9	59.8	52	72.9	55.9	59.9	52	72.9
10:57:14 AM	54.6	57.8	49.4	70.3	54.6	57.8	49.4	70.3
10:58:14 AM	56.7	59.5	48.3	73.1	56.7	59.5	48.3	73.1
10:59:14 AM	54.6	60	48.2	71.8	54.6	60	48.2	71.8
11:00:14 AM	57.7	60.4	54.2	77.3	57.7	60.4	54.2	77.4
11:01:14 AM	53.5	57.4	50	70.9	53.5	57.5	50	70.9
11:02:14 AM	58.3	64	50	74.9	58.3	64	50	74.9
11:03:14 AM	56.9	58.7	54.4	70.8	56.9	58.8	54.4	70.9
11:04:14 AM	55.9	58.1	52.1	72.5	55.9	58.2	52.2	72.6
11:05:14 AM	56.5	58.4	52.7	70.8	56.5	58.4	52.7	70.8
11:06:14 AM	58.1	65.3	50.1	78.1	58.1	65.3	50.2	78.1
11:07:14 AM	60	66.5	53.3	78.6	60	66.5	53.4	78.6
11:08:14 AM	55.9	60.5	52	72.7	55.9	60.6	52	72.8
11:09:14 AM	58.3	61	54.6	75.6	58.4	61.1	54.7	75.6
11:10:14 AM	55.8	57.7	53.8	71.2	55.9	57.7	53.9	71.2
11:11:14 AM	59.9	66.1	53.3	79.9	59.9	66.1	53.3	79.9
11:12:14 AM	61.1	66.7	54.2	82.1	61.1	66.8	54.3	82.2
11:13:14 AM	59.3	65.1	55	78.3	59.3	65.1	55	78.3
11:14:14 AM	58.7	61.6	56.9	74.6	58.8	61.6	56.9	74.6
11:15:14 AM	58.1	62	54.9	79.9	58.1	62.1	54.9	80
11:16:14 AM	60.4	66.4	55.9	82.3	60.4	66.4	55.9	82.3
11:17:14 AM	61.4	66.5	54.3	80.3	61.4	66.5	54.4	80.3
11:18:14 AM	56.8	59.1	52.9	74	56.8	59.2	52.9	74
11:19:14 AM	58.7	60.3	56	73.8	58.7	60.3	56.1	73.9
11:20:14 AM	57	60.7	51.7	74	57	60.7	51.7	74.1
11:21:14 AM	62.2	66.8	58.1	81.3	62.2	66.9	58.1	81.3
11:22:14 AM	59.4	64.6	52.2	78.6	59.4	64.6	52.2	78.6
11:23:14 AM	59.5	65.4	53.9	77.6	59.6	65.4	53.9	77.6
11:24:14 AM	58.4	63.1	51.8	81.8	58.4	63.1	51.8	81.8
11:25:14 AM	58.5	62.7	53.8	76.1	58.6	62.7	53.8	76.1
11:26:14 AM	61.8	67.2	53.3	81.4	61.8	67.2	53.4	81.4
11:27:14 AM	59.7	67	51.5	81.3	59.7	67.1	51.5	81.4
11:28:14 AM	60.9	67.4	56.2	80.5	60.9	67.4	56.2	80.5
11:29:14 AM	58	63.6	51.8	77.9	58	63.6	51.9	77.9
11:30:14 AM	59.1	63.5	55.1	77	59.1	63.6	55.2	77
11:31:14 AM	56.7	61.2	48.1	80.9	56.8	61.3	48.1	80.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
11:32:14 AM	58.9	64.6	54.5	80.5	58.9	64.6	54.5	80.5
11:33:14 AM	62.5	70	56.2	84.4	62.6	70	56.3	84.4
11:34:14 AM	62.2	71.4	51.4	85.1	62.2	71.4	51.4	85.1
11:35:14 AM	59.6	63.4	51.8	77	59.7	63.4	51.8	77
11:36:14 AM	55.6	58.9	50.9	72.9	55.6	58.9	50.9	72.9
11:37:14 AM	58.4	62.7	54	75.7	58.4	62.7	54	75.7
11:38:14 AM	60.5	65.9	58.2	81.3	60.5	65.9	58.2	81.3
11:39:14 AM	60	65.8	55.5	79.4	60.1	65.8	55.6	79.4
11:40:14 AM	61.9	68.7	55.3	83.4	61.9	68.7	55.3	83.4
11:41:14 AM	59.5	63.5	55.9	76.4	59.5	63.5	55.9	76.5
11:42:14 AM	61.1	65.5	56.9	78.7	61.2	65.6	56.9	78.7
11:43:14 AM	58.7	64	52.3	77.1	58.7	64.1	52.4	77.1
11:44:14 AM	59.8	62.9	56	75.6	59.8	62.9	56	75.6
11:45:14 AM	60.1	63.5	56.6	77.6	60.1	63.5	56.6	77.6
11:46:14 AM	60.4	64	56	79.2	60.4	64	56.1	79.2
11:47:14 AM	60.3	65.1	55.7	78.6	60.3	65.1	55.7	78.6
11:48:14 AM	54.4	59.7	48.6	73.8	54.4	59.7	48.6	73.8
11:49:14 AM	59.8	62.2	52.5	76.3	59.8	62.2	52.5	76.3
11:50:14 AM	58	61.6	52.5	75.2	58	61.7	52.5	75.2
11:51:14 AM	59.9	63.2	53.9	76.2	59.9	63.2	53.9	76.2
11:52:14 AM	56.3	59.4	49	73.3	56.3	59.4	49	73.4
11:53:14 AM	55.9	58.6	52.8	72.5	55.9	58.7	52.8	72.5
11:54:14 AM	61.1	65.1	51.2	79.3	61.1	65.1	51.2	79.3
11:55:14 AM	54.1	56.8	51	69.7	54.1	56.8	51	69.7
11:56:14 AM	58.8	64.4	53.7	79.5	58.8	64.4	53.7	79.5
11:57:14 AM	53.7	56.9	51.5	70.2	53.7	56.9	51.5	70.3
11:58:14 AM	57.6	60	52	72.6	57.7	60	52	72.6
11:59:14 AM	56.5	60.6	50.2	74.3	56.5	60.6	50.2	74.3
12:00:14 PM	56.2	59.5	51.7	71.8	56.2	59.5	51.7	71.9
12:01:14 PM	59.3	61.9	55.6	75.1	59.3	62	55.6	75.1
12:02:14 PM	59	64.4	53.6	77.7	59	64.4	53.6	77.7
12:03:14 PM	59.5	62.2	55.7	75.2	59.5	62.3	55.8	75.2
12:04:14 PM	60.9	66.8	51	80.2	60.9	66.9	51.1	80.2
12:05:14 PM	66.5	74.9	50.9	88.2	66.5	74.9	50.9	88.2
12:06:14 PM	58.2	63.2	49.9	76.4	58.2	63.2	50	76.5
12:07:14 PM	57.5	63.9	51.1	80.1	57.5	63.9	51.1	80.1
12:08:14 PM	59.9	64	56.2	78.2	59.9	64	56.2	78.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
12:09:14 PM	53.1	58.6	48.5	72.3	53.2	58.7	48.6	72.3
12:10:14 PM	57.9	59.7	54	73.4	57.9	59.7	54	73.5
12:11:14 PM	58	62.7	52.6	78	58	62.7	52.7	78.1
12:12:14 PM	55.3	59.9	45.9	73	55.3	59.9	45.9	73
12:13:14 PM	54.5	59.1	49.3	72	54.5	59.1	49.3	72
12:14:14 PM	57.2	63.6	49.1	79.8	57.2	63.6	49.1	79.8
12:15:14 PM	58.7	61.6	51.1	74.8	58.7	61.7	51.2	74.8
12:16:14 PM	61.9	65.3	50.7	79.5	62	65.3	50.7	79.5
12:17:14 PM	62.7	66.1	56.7	80.3	62.8	66.1	56.7	80.3
12:18:14 PM	56.5	59.3	52.6	73	56.6	59.3	52.6	73
12:19:14 PM	60.3	63.9	55.9	77.3	60.3	64	55.9	77.3
12:20:14 PM	58.2	61.4	52	74.1	58.3	61.4	52.1	74.2
12:21:14 PM	61	64.8	54.8	78.1	61	64.8	54.8	78.2
12:22:14 PM	59.6	63.4	53.8	78	59.6	63.4	53.8	78.1
12:23:14 PM	59.5	63.2	53.6	76.7	59.5	63.2	53.6	76.6
12:24:14 PM	58.4	62.8	53.6	76	58.4	62.8	53.6	76
12:25:14 PM	57	59.9	51	73.4	57	59.9	51	73.5
12:26:14 PM	60.4	66.1	56.6	79.7	60.5	66.1	56.6	79.7
12:27:14 PM	55.8	63.5	50.8	76.4	55.8	63.5	50.9	76.4
12:28:14 PM	53.6	58.5	48.1	74.1	53.6	58.5	48.2	74.1
12:29:14 PM	61.3	71.1	54.5	87.1	61.3	71.1	54.5	87.2
12:30:14 PM	57.1	60.6	54.2	73.4	57.1	60.6	54.2	73.4
12:31:14 PM	59.3	62.2	53.5	76.4	59.3	62.2	53.6	76.4
12:32:14 PM	54.7	59.1	51.1	72.3	54.7	59.1	51.2	72.4
12:33:14 PM	55.5	58.7	50.9	71.8	55.5	58.7	50.9	71.8
12:34:14 PM	53.5	57.3	46.2	70	53.5	57.3	46.2	70.1
12:35:14 PM	53.6	59.5	46.9	73.4	53.6	59.5	46.9	73.4
12:36:14 PM	58.3	63	50.1	75.2	58.4	63	50.1	75.2
12:37:14 PM	53	56.6	46.5	68.7	53	56.6	46.6	68.8
12:38:14 PM	56.9	60.3	46.9	75.7	56.9	60.3	46.9	75.7
12:39:14 PM	58.3	64.9	46	78.7	58.3	64.9	46.1	78.7
12:40:14 PM	57.4	59.9	51.1	73.4	57.4	59.9	51.1	73.3
12:41:14 PM	55.4	58.9	48.8	72.6	55.4	59	48.9	72.6
12:42:14 PM	55.1	59.7	50	72.9	55.1	59.7	50	73
12:43:14 PM	55.7	58.2	51.5	71.3	55.8	58.2	51.5	71.2
12:44:14 PM	52.3	57	48.1	70.1	52.3	57	48.1	70.2
12:45:14 PM	55.9	58.5	52.1	72.1	55.9	58.5	52.1	72.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
12:46:14 PM	52	56.9	47.9	69.8	52	56.9	47.9	69.7
12:47:14 PM	62.1	69	49.7	83.7	62.1	69	49.7	83.7
12:48:14 PM	52.9	57.7	47	72	52.9	57.8	47.1	72
12:49:14 PM	58.3	61.7	54.5	74.9	58.4	61.7	54.5	74.9
12:50:14 PM	57.2	61.1	53.8	74.6	57.2	61.2	53.8	74.6
12:51:14 PM	53.4	57.1	48.8	70.8	53.4	57.2	48.8	70.8
12:52:14 PM	59.5	64.8	52.3	77.7	59.5	64.8	52.3	77.7
12:53:14 PM	55.8	58.1	52.2	73.3	55.8	58.2	52.3	73.3
12:54:14 PM	57.2	60.2	49.4	73.1	57.2	60.2	49.4	73.1
12:55:14 PM	57.9	63.7	47.8	77.8	57.9	63.7	47.8	77.8
12:56:14 PM	56.3	60.3	52.2	72.3	56.3	60.4	52.2	72.4
12:57:14 PM	56.8	59.9	52.2	73.1	56.9	59.9	52.2	73.1
12:58:14 PM	53.8	57.2	50.1	70.1	53.9	57.2	50.1	70.1
12:59:14 PM	55.9	60	48.3	72.3	56	60	48.4	72.3
1:00:14 PM	53.5	56.3	49.5	70.2	53.5	56.3	49.5	70.1
1:01:14 PM	57.2	60	53.9	73.4	57.2	60	53.9	73.5
1:02:14 PM	59.4	65.5	53.6	79.9	59.4	65.5	53.6	79.9
1:03:14 PM	55.3	59.7	52.6	72.9	55.3	59.7	52.6	72.9
1:04:14 PM	56.9	60.8	52.8	74.8	56.9	60.8	52.9	74.8
1:05:14 PM	55.6	61.7	50.9	75.4	55.6	61.7	50.9	75.5
1:06:14 PM	61.7	63.5	57.1	77.7	61.7	63.5	57.2	77.8
1:07:14 PM	54.3	61.3	47.5	74.3	54.4	61.3	47.5	74.3
1:08:14 PM	58.9	63.1	54.7	78.5	59	63.2	54.7	78.5
1:09:14 PM	53.5	55.9	49.6	68.6	53.5	56	49.6	68.6
1:10:14 PM	55.5	58.7	49.7	71.6	55.5	58.7	49.8	71.6
1:11:14 PM	56.7	59.6	49.9	73.2	56.7	59.6	49.9	73.2
1:12:14 PM	56.5	60.6	50.3	75.3	56.5	60.6	50.3	75.3
1:13:14 PM	60.4	63.8	53.8	77.2	60.4	63.8	53.8	77.2
1:14:14 PM	56.9	61.7	51.5	75.4	56.9	61.7	51.6	75.4
1:15:14 PM	61.4	70.8	54.5	83.5	61.4	70.8	54.5	83.5
1:16:14 PM	73.1	81.6	56.7	94.4	73.1	81.7	56.7	94.5
1:17:14 PM	62.1	64.9	59.1	77	62.1	65	59.1	77.1
1:18:14 PM	61.9	64.4	56.8	77.1	62	64.4	56.9	77.1
1:19:14 PM	54.1	57	51.2	68.6	54.1	57	51.2	68.6
1:20:14 PM	57.3	60	54.3	72.9	57.4	60	54.3	72.9
1:21:14 PM	54.8	58.6	52.1	70.9	54.8	58.7	52.1	70.9
1:22:14 PM	56.3	57.9	54.2	70.7	56.3	57.9	54.2	70.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
1:23:14 PM	55	59.5	51.7	74.8	55.1	59.6	51.7	74.8
1:24:14 PM	56.1	59.9	48.6	73.1	56.1	59.9	48.6	73.1
1:25:14 PM	55.7	59.4	47.9	73	55.8	59.4	47.9	73
1:26:14 PM	53.9	60.8	45.8	72.9	53.9	60.8	45.8	72.9
1:27:14 PM	57.9	60.4	54.6	72.1	58	60.4	54.6	72.1
1:28:14 PM	53.6	58.3	48.4	71.3	53.7	58.3	48.4	71.3
1:29:14 PM	54.9	57.3	51.8	70.4	54.9	57.3	51.8	70.4
1:30:14 PM	61.8	73.7	50.4	88.3	61.8	73.8	50.4	88.3
1:31:14 PM	57.2	69.8	49.5	75.3	57.3	69.8	49.6	75.3
1:32:14 PM	56.2	59.3	51.2	72.6	56.3	59.4	51.2	72.7
1:33:14 PM	55.7	59.9	51.6	74.7	55.7	59.9	51.6	74.7
1:34:14 PM	59.2	63.9	51	75.7	59.2	63.9	51	75.7
1:35:14 PM	55.7	59.4	50.5	73.6	55.8	59.4	50.5	73.6
1:36:14 PM	57.5	60.5	50.8	73.7	57.5	60.5	50.8	73.7
1:37:14 PM	50.5	55	46.8	67.7	50.6	55	46.9	67.6
1:38:14 PM	55.5	57.9	52.6	71	55.5	57.9	52.6	71.1
1:39:14 PM	54.9	60.5	48	74.9	55	60.5	48	74.9
1:40:14 PM	52.1	54.4	48.1	68.5	52.1	54.5	48.1	68.6
1:41:14 PM	57.5	60.7	52.3	79.1	57.5	60.7	52.3	79.2
1:42:14 PM	57.3	63.4	51.9	77	57.3	63.4	51.9	77
1:43:14 PM	57.6	62	52.6	74.9	57.6	62	52.6	74.9
1:44:14 PM	54.3	57.7	48.7	71.1	54.3	57.7	48.7	71.1
1:45:14 PM	55.7	58.4	50.3	72	55.7	58.4	50.3	72.1
1:46:14 PM	55.1	57	49.9	70.9	55.1	57	49.9	70.9
1:47:14 PM	53	57.3	49.2	68.5	53	57.3	49.2	68.6
1:48:14 PM	59.3	63	55.6	77.1	59.3	63	55.6	77.1
1:49:14 PM	53.7	57.3	48.2	70.1	53.7	57.3	48.3	70.1
1:50:14 PM	57.4	61.6	49	75.7	57.5	61.7	49.1	75.8
1:51:14 PM	57.2	64	48.4	78.5	57.2	64	48.4	78.5
1:52:14 PM	58	61.6	52.4	73.8	58	61.6	52.4	73.8
1:53:14 PM	57.5	61.1	50.6	76.2	57.5	61.1	50.6	76.3
1:54:14 PM	56.4	59.5	49.9	73.6	56.4	59.6	49.9	73.7
1:55:14 PM	61.2	67.5	54.7	84.4	61.2	67.6	54.7	84.4
1:56:14 PM	60.5	66.5	55.3	79.8	60.5	66.5	55.4	79.8
1:57:14 PM	57.6	61.3	52.9	74.7	57.6	61.3	53	74.8
1:58:14 PM	62.6	74.5	52.6	87.9	62.6	74.6	52.6	87.9
1:59:14 PM	56.8	61	53.1	76.7	56.9	61	53.1	76.7

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
2:00:14 PM	56.7	59.9	49.4	74	56.7	59.9	49.4	73.9
2:01:14 PM	54.4	59	49	71.3	54.4	59	49	71.2
2:02:14 PM	57.5	61.4	51.4	74.8	57.5	61.5	51.4	74.9
2:03:14 PM	53.8	65.1	48	77.7	53.8	65.2	48	77.8
2:04:14 PM	72.7	81.2	57.1	94.5	72.7	81.2	57.1	94.5
2:05:14 PM	61	63.9	58.4	77.7	61.1	63.9	58.4	77.7
2:06:14 PM	60.5	64.4	56.6	76.1	60.5	64.4	56.6	76.1
2:07:14 PM	58.2	61.1	54.7	74.7	58.3	61.1	54.8	74.7
2:08:14 PM	57.4	60.2	53	73.7	57.5	60.3	53	73.7
2:09:14 PM	54.7	57.3	51.1	70.5	54.7	57.3	51.2	70.6
2:10:14 PM	54.1	58.1	49.6	70.6	54.1	58.2	49.6	70.6
2:11:14 PM	57.7	62.1	52.8	75.7	57.7	62.1	52.8	75.7
2:12:14 PM	59.9	68.6	52.5	80.8	59.9	68.6	52.5	80.8
2:13:14 PM	55.2	62	49.5	73.4	55.3	62.1	49.5	73.3
2:14:14 PM	57.6	60.5	52.7	73.2	57.7	60.5	52.7	73.2
2:15:14 PM	57.6	60.7	53.3	73.7	57.7	60.7	53.3	73.7
2:16:14 PM	56.9	61.5	53.3	74.1	56.9	61.5	53.3	74.2
2:17:14 PM	58.9	69.4	53	81.9	58.9	69.5	53	81.9
2:18:14 PM	55.8	62.1	50.9	73.7	55.8	62.1	51	73.7
2:19:14 PM	55	58.9	50.9	71.3	55.1	58.9	50.9	71.4
2:20:14 PM	66.4	79.2	56.2	92.1	66.4	79.2	56.3	92.1
2:21:14 PM	59.2	68.1	53.6	81.1	59.2	68.1	53.6	81.1
2:22:14 PM	52.9	55.2	49.5	68	52.9	55.2	49.5	67.9
2:23:14 PM	55.7	59.9	50.7	72.5	55.8	59.9	50.7	72.5
2:24:14 PM	53.4	56.2	49.5	69.4	53.4	56.2	49.5	69.3
2:25:14 PM	56.1	57.5	54	70.9	56.1	57.5	54	70.9
2:26:14 PM	55.6	60.4	48.8	73.6	55.6	60.4	48.8	73.6
2:27:14 PM	54.1	57.6	49.5	70.7	54.1	57.7	49.5	70.7
2:28:14 PM	55.3	58	50.6	73.4	55.3	58	50.6	73.4
2:29:14 PM	55.8	59.1	52.6	77	55.8	59.1	52.6	77
2:30:14 PM	54.9	57.2	52.8	69.9	54.9	57.2	52.8	70
2:31:14 PM	52.3	57	48.9	68.3	52.3	57.1	48.9	68.3
2:32:14 PM	59.8	65.6	52.5	77.7	59.8	65.6	52.5	77.7
2:33:14 PM	59.7	67.4	53	81.9	59.7	67.5	53	81.9
2:34:14 PM	56	58	53.3	71.5	56	58.1	53.3	71.5
2:35:14 PM	54.6	58.9	52.8	71.6	54.7	59	52.9	71.6
2:36:14 PM	58.7	63.1	55.2	75.9	58.8	63.1	55.2	75.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
2:37:14 PM	56.7	63.7	49.9	75.8	56.8	63.7	49.9	75.9
2:38:14 PM	56.6	59	53.7	72.7	56.7	59	53.7	72.7
2:39:14 PM	55.3	58.6	50.6	71.5	55.4	58.6	50.6	71.5
2:40:14 PM	55.6	60.3	50.6	75.1	55.6	60.3	50.6	75.1
2:41:14 PM	56.1	60.3	50.5	73.5	56.1	60.3	50.6	73.6
2:42:14 PM	75.7	83.1	51.5	96.1	75.7	83.1	51.5	96.1
2:43:14 PM	64.4	75	59.4	87.8	64.4	75.1	59.4	87.8
2:44:14 PM	56.4	61.2	51.7	73.5	56.5	61.2	51.7	73.6
2:45:14 PM	54.8	58.5	50.2	72.7	54.8	58.6	50.3	72.8
2:46:14 PM	57.3	62.2	49.4	75.5	57.3	62.2	49.5	75.5
2:47:14 PM	53.4	57.5	50.6	71.6	53.4	57.6	50.6	71.6
2:48:14 PM	57	59.8	53.9	73.7	57	59.8	54	73.7
2:49:14 PM	55.8	59.6	50.5	71.9	55.8	59.6	50.5	71.9
2:50:14 PM	57.1	60.4	54.6	73	57.2	60.4	54.6	73
2:51:14 PM	56.9	61.6	54.2	73.6	56.9	61.6	54.2	73.6
2:52:14 PM	55.7	61.1	51	73.4	55.7	61.1	51	73.4
2:53:14 PM	58.2	63.7	54	74.8	58.2	63.7	54.1	74.9
2:54:14 PM	54.4	59.8	51.6	73.9	54.4	59.8	51.6	74
2:55:14 PM	56.7	59.8	53.2	73.6	56.8	59.8	53.2	73.5
2:56:14 PM	56.5	61.4	47.5	73.9	56.6	61.4	47.5	74
2:57:14 PM	50.1	53.1	46.9	67.5	50.1	53.1	46.9	67.5
2:58:14 PM	55.4	60	51.4	72.5	55.4	60	51.5	72.5
2:59:14 PM	57.9	64.9	53.7	79	57.9	65	53.7	79
3:00:14 PM	59.6	64.4	50.4	78.6	59.6	64.5	50.4	78.6
3:01:14 PM	55.7	58.6	52.3	72.6	55.7	58.6	52.4	72.6
3:02:14 PM	56.4	59.1	53	72	56.5	59.1	53	72
3:03:14 PM	51.7	56.2	46.8	67.1	51.7	56.3	46.8	67.1
3:04:14 PM	56.9	61.5	50.6	73.9	56.9	61.5	50.6	73.9
3:05:14 PM	59.7	63.6	53.8	75.9	59.8	63.6	53.9	75.9
3:06:14 PM	54.2	57.7	49.7	70.6	54.2	57.8	49.7	70.7
3:07:14 PM	53.4	56.4	49.4	70.8	53.5	56.5	49.4	70.8
3:08:14 PM	56	59.3	52.5	73	56	59.3	52.5	73
3:09:14 PM	54.5	59.9	51.9	73.6	54.5	60	51.9	73.7
3:10:14 PM	54.1	56.7	51.2	70	54.1	56.7	51.2	70
3:11:14 PM	56.2	59.2	53.4	71.8	56.2	59.2	53.4	71.9
3:12:14 PM	59.4	67.1	50.1	79.7	59.4	67.1	50.1	79.7
3:13:14 PM	53	56.4	49.1	68.8	53	56.5	49.1	68.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:14:14 PM	55.4	57.9	50.7	76.5	55.4	57.9	50.7	76.5
3:15:14 PM	54.3	60.2	50.2	83.1	54.4	60.2	50.2	83.1
3:16:14 PM	55.5	63.3	51.6	83	55.5	63.3	51.7	83
3:17:14 PM	59.6	68.2	53.8	81.7	59.7	68.3	53.9	81.7
3:18:14 PM	72.2	81.1	57.7	94.1	72.3	81.1	57.7	94.1
3:19:14 PM	58	59.3	56.7	72.1	58	59.3	56.7	72.1
3:20:14 PM	60.6	63.1	58.5	75	60.7	63.1	58.5	75
3:21:14 PM	57.7	61.1	54.6	73.3	57.7	61.1	54.6	73.3
3:22:14 PM	55.8	61.3	52.4	74.5	55.8	61.3	52.4	74.5
3:23:14 PM	57.1	58.9	52.1	71.2	57.1	58.9	52.1	71.2
3:24:14 PM	54.4	58.7	50.8	72.8	54.4	58.7	50.9	72.9
3:25:14 PM	55.3	58.9	52.2	71.9	55.3	58.9	52.2	72
3:26:14 PM	62.6	69.2	53.8	81.7	62.6	69.3	53.8	81.7
3:27:14 PM	57.3	62.9	51.9	79.8	57.3	62.9	51.9	79.8
3:28:14 PM	57.7	61.2	53.2	74.6	57.7	61.2	53.2	74.7
3:29:14 PM	57.6	62	54.4	74.8	57.7	62.1	54.4	74.8
3:30:14 PM	55.3	56.7	53.5	69.4	55.3	56.7	53.5	69.5
3:31:14 PM	53.9	56.7	51.6	69.5	53.9	56.7	51.7	69.5
3:32:14 PM	56.1	59	51.8	71.6	56.1	59	51.8	71.7
3:33:14 PM	54.2	56.8	51.8	70	54.2	56.8	51.8	70
3:34:14 PM	57.8	65.2	52.6	80.5	57.9	65.2	52.7	80.5
3:35:14 PM	62.6	75.7	55.5	88.7	62.7	75.7	55.5	88.7
3:36:14 PM	59.7	74.6	52.6	84.3	59.8	74.6	52.6	84.3
3:37:14 PM	54.8	59	50.7	79.6	54.8	59	50.7	79.6
3:38:14 PM	56.7	59.2	54.8	73.5	56.7	59.2	54.8	73.5
3:39:14 PM	53.9	58.3	48	74.2	53.9	58.4	48	74.2
3:40:14 PM	56.6	59	54	71.3	56.6	59	54	71.2
3:41:14 PM	56.5	60.1	52	73.2	56.6	60.1	52	73.3
3:42:14 PM	53.6	57.6	50.5	70.9	53.7	57.6	50.5	70.9
3:43:14 PM	58	61.4	51.1	75.7	58.1	61.4	51.2	75.8
3:44:14 PM	56.8	59.8	53	71.9	56.9	59.8	53.1	71.9
3:45:14 PM	53.1	55.2	50.2	69.5	53.1	55.2	50.2	69.5
3:46:14 PM	55	59.9	52.3	74.2	55	59.9	52.4	74.3
3:47:14 PM	57.8	61	55.8	74.3	57.8	61	55.8	74.3
3:48:14 PM	57.7	61.9	53.7	75.4	57.7	61.9	53.7	75.5
3:49:14 PM	56.7	62.4	53.5	74.9	56.8	62.4	53.5	74.9
3:50:14 PM	56.6	61	52.5	72.9	56.6	61	52.6	72.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:51:14 PM	53.8	56.8	51.3	71.2	53.8	56.8	51.3	71.2
3:52:14 PM	55.5	61.2	50.9	73.5	55.5	61.2	50.9	73.5
3:53:14 PM	56.5	61.2	51.9	75.2	56.6	61.2	51.9	75.2
3:54:14 PM	55	58.2	50.7	70.7	55	58.3	50.8	70.7
3:55:14 PM	54.7	57	51.1	71.2	54.7	57.1	51.1	71.2
3:56:14 PM	57.9	60.5	51.7	73.2	57.9	60.5	51.7	73.3
3:57:14 PM	57	61.6	55	75.7	57	61.6	55	75.7
3:58:14 PM	56.3	61.2	50.2	78.8	56.3	61.2	50.2	78.9
3:59:14 PM	57.3	60.3	52.6	72.9	57.3	60.3	52.6	72.9
4:00:14 PM	57	61.1	53.8	73.8	57	61.1	53.9	73.8
4:01:14 PM	56.4	60	51	72.6	56.4	60	51	72.6
4:02:14 PM	55.2	58.4	51.9	70.1	55.2	58.4	51.9	70.1
4:03:14 PM	57	60.2	53.8	73.8	57.1	60.2	53.8	73.9
4:04:14 PM	56.8	63.3	51	77.5	56.8	63.3	51	77.5
4:05:14 PM	57.8	64.3	55.1	75.6	57.8	64.4	55.1	75.6
4:06:14 PM	55.7	58.9	52.1	71.9	55.7	58.9	52.1	71.9
4:07:14 PM	54.4	57.4	51.6	70.6	54.4	57.4	51.6	70.7
4:08:14 PM	57.6	60.9	53.2	74.7	57.6	60.9	53.3	74.7
4:09:14 PM	55.3	61.2	51.1	76.5	55.3	61.2	51.2	76.5
4:10:14 PM	57.4	61.1	52.2	74.8	57.5	61.1	52.2	74.9
4:11:14 PM	56	58.3	52.8	71.3	56	58.4	52.8	71.3
4:12:14 PM	56.3	60	52.3	73	56.4	60.1	52.4	73
4:13:14 PM	52.6	59.3	49.9	72.2	52.6	59.3	49.9	72.2
4:14:14 PM	61.4	71.1	53.9	86.2	61.4	71.2	53.9	86.2
4:15:14 PM	54.7	56.5	52.7	69.3	54.8	56.5	52.8	69.3
4:16:14 PM	54.5	59.2	50.7	73.1	54.5	59.2	50.7	73.1
4:17:14 PM	58.1	61.5	53.6	82.1	58.1	61.6	53.6	82.1
4:18:14 PM	57.9	63.1	53	75.8	57.9	63.1	53	75.8
4:19:14 PM	52	56.7	50.4	74.3	52	56.7	50.4	74.3
4:20:14 PM	56.3	58.3	54.6	78.5	56.3	58.3	54.6	78.5
4:21:14 PM	56	57.9	49.3	71.8	56	57.9	49.3	71.9
4:22:14 PM	57.3	61.3	48.9	74	57.3	61.3	48.9	74
4:23:14 PM	58.2	61.3	53	74.1	58.2	61.4	53	74
4:24:14 PM	55	58.4	52.5	71.8	55.1	58.4	52.5	71.8
4:25:14 PM	61.7	72.4	51.4	87.5	61.7	72.4	51.4	87.6
4:26:14 PM	57.5	60.9	53.1	73.5	57.5	60.9	53.2	73.6
4:27:14 PM	54	58.7	50.8	71.9	54.1	58.7	50.8	71.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
4:28:14 PM	53.4	58.9	48.7	70.7	53.5	58.9	48.7	70.6
4:29:14 PM	57.5	61.6	55.6	74.6	57.5	61.6	55.6	74.7
4:30:14 PM	56.9	62.4	50	73.9	57	62.5	50	74
4:31:14 PM	55.1	59.8	48.6	72.7	55.1	59.8	48.7	72.7
4:32:14 PM	55.6	57.6	53.3	70.6	55.6	57.7	53.4	70.6
4:33:14 PM	56.4	59.9	53.3	75.4	56.4	60	53.3	75.4
4:34:14 PM	65.6	79.4	51.4	86.6	65.7	79.4	51.5	86.6
4:35:14 PM	74.6	84	59.6	97	74.6	84	59.6	97.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Location M1: Session Report #2

Meter No. 035262
Run No. S100
Start: 1637 on 7/21/2021
End: 0955 on 7/22/2021

Information Panel

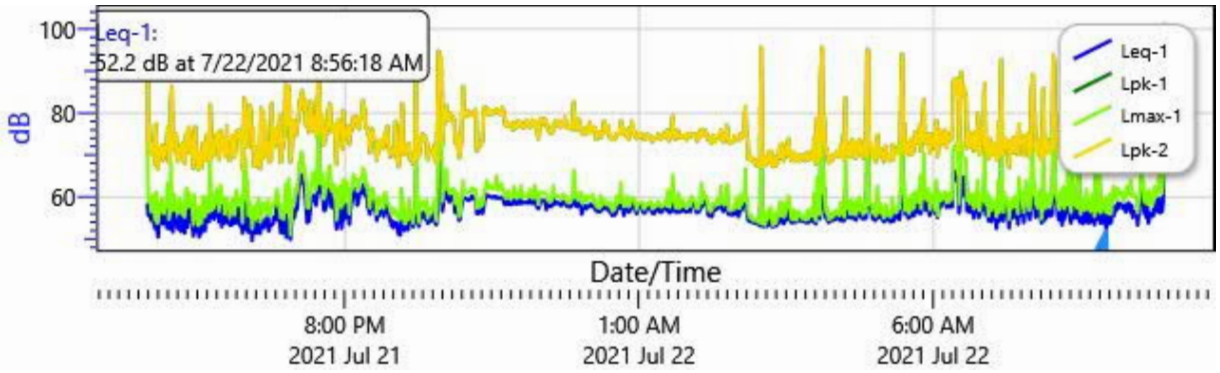
Name	S100_BLP020005_23072021_112555
Start Time	7/21/2021 4:37:18 PM
Stop Time	7/22/2021 9:55:28 AM
Device Name	BLP020005
Model Type	SoundPro DL
Device Firmware Rev	R.13H
Comments	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	58.7 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	SLOW	Bandwidth	1	OFF
Exchange Rate	2	3 dB	Weighting	2	A
Response	2	SLOW			

Logged Data Chart

S100_BLP020005_23072021_112555: Logged Data Chart



Logged Data Table

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7/21/2021	58.6	72.9	51.8	103.1	58.6	72.9	51.8	103.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
4:38:18 PM								
4:39:18 PM	55.7	59.6	51.4	72.8	55.7	59.6	51.4	72.9
4:40:18 PM	55.9	59.1	52.6	77.4	55.9	59.2	52.7	77.4
4:41:18 PM	55.5	59.1	52	72	55.6	59.1	52.1	72
4:42:18 PM	54.5	56.7	52.1	70.4	54.5	56.7	52.1	70.4
4:43:18 PM	54.7	60.3	49.8	72.4	54.7	60.3	49.8	72.5
4:44:18 PM	56.2	60.6	51.5	71	56.2	60.6	51.6	71
4:45:18 PM	53.6	57.1	50.8	73	53.6	57.1	50.8	73
4:46:18 PM	52.6	54.7	51.1	67.7	52.6	54.7	51.1	67.7
4:47:18 PM	57.7	61.3	53.6	77.4	57.8	61.3	53.6	77.4
4:48:18 PM	52.3	53.8	50.3	67.1	52.3	53.8	50.3	67
4:49:18 PM	50.6	54	47.1	66.8	50.6	54	47.1	66.7
4:50:18 PM	54.5	57.4	51.2	70.8	54.5	57.4	51.2	70.9
4:51:18 PM	54.7	58.5	51.1	71.5	54.7	58.5	51.1	71.5
4:52:18 PM	53.8	58.2	49.5	70.2	53.8	58.2	49.6	70.2
4:53:18 PM	56.1	59.7	53.6	72.3	56.1	59.8	53.6	72.3
4:54:18 PM	53.7	56.3	50.5	68.9	53.7	56.4	50.5	69
4:55:18 PM	54.5	56.8	52	69.8	54.5	56.8	52.1	69.9
4:56:18 PM	55.5	58.3	53.9	71.8	55.5	58.4	53.9	71.8
4:57:18 PM	55	57.9	51.5	71.7	55	57.9	51.6	71.7
4:58:18 PM	52.7	61.1	48.2	72.9	52.7	61.2	48.2	72.9
4:59:18 PM	57.6	63.4	53.1	76.6	57.6	63.4	53.1	76.6
5:00:18 PM	53.4	54.8	50.2	68.3	53.4	54.8	50.2	68.3
5:01:18 PM	52.5	56.3	48.1	69.3	52.5	56.4	48.1	69.5
5:02:18 PM	60.1	68.4	55.6	82.5	60.1	68.4	55.7	82.5
5:03:18 PM	54	59.1	50.8	86.3	54.1	59.1	50.8	86.4
5:04:18 PM	51.8	56.9	48.7	71.4	51.8	56.9	48.8	71.5
5:05:18 PM	57.5	60.8	53.5	73.8	57.6	60.8	53.5	73.8
5:06:18 PM	55.1	59.8	49.6	71.8	55.2	59.8	49.6	71.8
5:07:18 PM	53.7	57.1	49.4	75.1	53.7	57.1	49.4	75.1
5:08:18 PM	54.6	56.8	50.7	70.6	54.6	56.8	50.7	70.6
5:09:18 PM	52.6	56.3	46.8	68.6	52.6	56.4	46.8	68.7
5:10:18 PM	52.5	57.7	49.1	70.8	52.5	57.7	49.2	70.8
5:11:18 PM	55.8	59.7	49.7	71.8	55.8	59.7	49.7	71.8
5:12:18 PM	51.9	56.3	48.7	69.2	51.9	56.4	48.7	69.2
5:13:18 PM	54	58.9	49	72.3	54	58.9	49	72.3
5:14:18 PM	55.1	58.6	48.1	72.8	55.1	58.6	48.1	72.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
5:15:18 PM	52.2	56.4	47.9	69.2	52.2	56.5	47.9	69.2
5:16:18 PM	51.5	55.3	49.2	68.1	51.5	55.3	49.3	68
5:17:18 PM	55.7	61	53.7	73.6	55.8	61	53.7	73.6
5:18:18 PM	55	62.3	51.9	75.1	55.1	62.3	51.9	75.2
5:19:18 PM	52.9	57.6	47.4	70.6	52.9	57.6	47.5	70.7
5:20:18 PM	58.3	60.9	55.7	76.6	58.3	61	55.8	76.6
5:21:18 PM	57	61.1	51.4	75.9	57	61.1	51.4	75.9
5:22:18 PM	54.1	58	48.8	73.2	54.1	58.1	48.8	73.2
5:23:18 PM	54.5	57.8	51.1	70.9	54.6	57.9	51.1	70.8
5:24:18 PM	53.6	57.2	49.9	70.5	53.6	57.3	49.9	70.5
5:25:18 PM	50.8	53.5	49	66.9	50.8	53.5	49	67
5:26:18 PM	57.8	60.6	51.5	73.8	57.9	60.7	51.5	73.7
5:27:18 PM	51.9	54.9	49.7	76.8	51.9	54.9	49.7	76.9
5:28:18 PM	52.3	55.3	47.7	69.6	52.3	55.3	47.8	69.5
5:29:18 PM	54.7	57.8	52	70.7	54.7	57.8	52	70.7
5:30:18 PM	52.2	53.3	51.2	66.7	52.2	53.4	51.2	66.7
5:31:18 PM	50.6	57.4	46.6	69.6	50.6	57.5	46.7	69.6
5:32:18 PM	54.4	57.6	51.8	70.6	54.4	57.6	51.8	70.7
5:33:18 PM	51.4	53.8	48.9	66.9	51.5	53.8	48.9	66.9
5:34:18 PM	53	57.3	47.5	70.1	53	57.3	47.5	70.2
5:35:18 PM	56.6	60.3	52.3	72.8	56.6	60.3	52.4	72.8
5:36:18 PM	55.2	58.5	50.1	71.4	55.2	58.6	50.1	71.4
5:37:18 PM	52.1	55.4	47.6	68.7	52.2	55.5	47.6	68.7
5:38:18 PM	56.9	59.2	55	72.7	56.9	59.2	55	72.7
5:39:18 PM	56.4	60	53.1	74.8	56.4	60.1	53.1	74.9
5:40:18 PM	54.6	58.5	49.6	70.5	54.6	58.6	49.6	70.5
5:41:18 PM	54.2	56.5	52.1	68.8	54.2	56.5	52.1	68.9
5:42:18 PM	61.7	71.7	50.8	82	61.7	71.7	50.8	82
5:43:18 PM	56.3	59	53	73.1	56.3	59	53	73.1
5:44:18 PM	55.2	57	53.4	69.5	55.2	57	53.4	69.6
5:45:18 PM	55.4	59.3	53.1	72.2	55.4	59.3	53.1	72.3
5:46:18 PM	54.8	58	52.1	70.4	54.9	58	52.1	70.5
5:47:18 PM	56.9	59.7	54.1	73.6	56.9	59.7	54.1	73.6
5:48:18 PM	56.2	61.4	50.7	74.8	56.3	61.4	50.7	74.8
5:49:18 PM	55.6	61.8	47.9	74.8	55.7	61.8	47.9	74.9
5:50:18 PM	58.4	61.5	54.4	75	58.4	61.5	54.4	75.1
5:51:18 PM	54.2	56.7	51.4	69	54.2	56.7	51.4	69

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
5:52:18 PM	56.9	62.9	47.9	75.8	56.9	62.9	47.9	75.8
5:53:18 PM	59	62.5	53.7	75.6	59	62.5	53.7	75.6
5:54:18 PM	53	58.8	48.8	71.8	53	58.8	48.8	71.8
5:55:18 PM	55.7	59.6	50.1	73.7	55.7	59.6	50.2	73.8
5:56:18 PM	56.4	59.5	50.3	73.2	56.5	59.6	50.4	73.3
5:57:18 PM	53.9	56.1	50.3	69.9	53.9	56.1	50.3	69.9
5:58:18 PM	54.5	59.9	49.5	72.4	54.6	60	49.5	72.4
5:59:18 PM	57.7	60	53.7	76.9	57.7	60.1	53.7	76.9
6:00:18 PM	54.4	57.9	50.3	70.7	54.5	57.9	50.3	70.6
6:01:18 PM	53.8	58.3	47.3	71.5	53.8	58.3	47.3	71.5
6:02:18 PM	53.6	55.3	51.1	68.7	53.7	55.3	51.1	68.8
6:03:18 PM	53.3	57.2	49	70.9	53.3	57.2	49	70.9
6:04:18 PM	53.5	58.1	49.4	72	53.5	58.2	49.5	72
6:05:18 PM	56.6	59.5	54.3	74.5	56.6	59.6	54.3	74.6
6:06:18 PM	53.7	56.3	50	70.2	53.8	56.3	50	70.3
6:07:18 PM	54	55.8	50.8	69.6	54	55.8	50.8	69.6
6:08:18 PM	56.1	59.7	52.9	72.3	56.1	59.7	52.9	72.3
6:09:18 PM	56.7	61.6	52	75.5	56.7	61.7	52	75.5
6:10:18 PM	53.9	58.8	48.9	75.8	53.9	58.9	49	75.8
6:11:18 PM	57.7	59.7	56.1	73.9	57.7	59.7	56.1	73.9
6:12:18 PM	56.6	59.1	51.8	75.8	56.6	59.1	51.9	75.8
6:13:18 PM	53.1	57.9	48.6	75	53.2	57.9	48.6	75.1
6:14:18 PM	56.8	60.2	52.2	73.8	56.8	60.3	52.3	73.8
6:15:18 PM	51.5	54	48	66.8	51.6	54	48	66.8
6:16:18 PM	56.5	62.2	50.9	76.4	56.5	62.2	50.9	76.5
6:17:18 PM	60.2	70.6	53.5	83.6	60.2	70.7	53.5	83.6
6:18:18 PM	57.6	68.9	50.2	76.9	57.6	69	50.3	77
6:19:18 PM	52.3	59.4	47.5	72	52.3	59.4	47.5	72
6:20:18 PM	58.1	64.1	50.1	80.4	58.1	64.1	50.2	80.4
6:21:18 PM	51.7	55.7	46.9	76.1	51.8	55.7	47	76.1
6:22:18 PM	52.8	59.1	49.8	81.9	52.9	59.1	49.9	81.9
6:23:18 PM	54.5	57.4	52.2	81.3	54.5	57.4	52.2	81.3
6:24:18 PM	53.5	57.7	48.6	75.2	53.5	57.7	48.6	75.2
6:25:18 PM	49.7	52.6	47.3	71.7	49.7	52.6	47.3	71.8
6:26:18 PM	54.8	57.5	51.8	76.2	54.8	57.5	51.8	76.2
6:27:18 PM	51.5	54.6	47	67.4	51.5	54.6	47	67.3
6:28:18 PM	51.6	55	47.9	68.2	51.7	55	47.9	68.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
6:29:18 PM	53.6	58.1	47.4	71.5	53.7	58.1	47.5	71.5
6:30:18 PM	51.5	55.3	48.1	67.5	51.5	55.3	48.1	67.6
6:31:18 PM	55.2	59.8	48.5	72	55.2	59.8	48.5	72.1
6:32:18 PM	55.8	58.5	51	70.7	55.8	58.5	51	70.6
6:33:18 PM	51.4	54.1	47.2	66.8	51.5	54.1	47.2	66.9
6:34:18 PM	53.9	57.6	47.5	81.2	53.9	57.6	47.5	81.2
6:35:18 PM	54.2	56	51.3	69.2	54.3	56	51.3	69.2
6:36:18 PM	53.4	58.7	48.1	80.2	53.4	58.8	48.1	80.2
6:37:18 PM	52.7	56.8	48.5	69.6	52.7	56.8	48.5	69.7
6:38:18 PM	54.7	56.9	51.7	78.1	54.8	56.9	51.7	78.1
6:39:18 PM	53.3	56.7	47.8	71.4	53.3	56.8	47.8	71.3
6:40:18 PM	54.6	58.1	47.9	71.3	54.6	58.1	47.9	71.2
6:41:18 PM	55.8	59.4	47.6	73	55.8	59.4	47.6	73
6:42:18 PM	52	55.7	45.2	68.5	52	55.8	45.3	68.6
6:43:18 PM	53.6	56.4	45.2	68.8	53.6	56.4	45.2	68.8
6:44:18 PM	53.3	55.8	51	68.6	53.4	55.8	51	68.6
6:45:18 PM	53.5	57.2	50.7	82.3	53.5	57.2	50.8	82.3
6:46:18 PM	53.6	58.7	50.6	71.9	53.7	58.7	50.7	71.9
6:47:18 PM	55.3	58.8	51.9	72.3	55.3	58.9	51.9	72.3
6:48:18 PM	54.5	58.4	50.7	75.5	54.5	58.5	50.7	75.6
6:49:18 PM	54.8	59	51.4	72.2	54.8	59	51.4	72.3
6:50:18 PM	58.3	61.9	51.7	76.2	58.3	62	51.7	76.2
6:51:18 PM	55.8	60.8	46.8	74.6	55.8	60.9	46.8	74.7
6:52:18 PM	54.4	57.7	52	73.2	54.5	57.7	52	73.2
6:53:18 PM	54.7	58.3	49.2	79.4	54.7	58.3	49.3	79.5
6:54:18 PM	51.6	55.1	48.1	68.3	51.6	55.2	48.1	68.3
6:55:18 PM	52.8	56	47.9	70.8	52.9	56	47.9	70.8
6:56:18 PM	54.8	56.8	52	71.5	54.8	56.8	52	71.5
6:57:18 PM	51.5	54.8	47.7	73.4	51.5	54.8	47.7	73.5
6:58:18 PM	54.4	59.2	49.7	74.5	54.4	59.3	49.8	74.6
6:59:18 PM	57.6	63.1	47.1	86.6	57.6	63.1	47.2	86.6
7:00:18 PM	50.5	56.5	47.5	77	50.5	56.5	47.5	77
7:01:18 PM	53.5	59.1	47.6	79.4	53.5	59.1	47.7	79.5
7:02:18 PM	54.7	64.5	50.7	86.3	54.7	64.5	50.8	86.3
7:03:18 PM	54.5	61	51.1	84	54.5	61	51.1	84
7:04:18 PM	50	51.1	47.2	68.4	50	51.1	47.2	68.5
7:05:18 PM	52.9	55.8	46.1	70.1	52.9	55.8	46.1	70.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7:06:18 PM	55.6	59.6	51.4	76.5	55.6	59.6	51.4	76.4
7:07:18 PM	55.1	58.6	52.8	78.2	55.2	58.6	52.8	78.2
7:08:18 PM	55.2	59.1	50.9	77.8	55.3	59.2	50.9	77.9
7:09:18 PM	57.4	62.1	53.5	76.3	57.4	62.1	53.5	76.4
7:10:18 PM	56.9	60.8	48.4	74.8	57	60.8	48.4	74.8
7:11:18 PM	57.6	62.9	52	77.7	57.6	62.9	52	77.8
7:12:18 PM	61.8	64	56.3	78.2	61.9	64	56.3	78.3
7:13:18 PM	64.4	68.2	56.3	82	64.5	68.2	56.3	82
7:14:18 PM	64.8	68.1	53.4	83.3	64.8	68.2	53.4	83.3
7:15:18 PM	65.3	70.7	53.4	84.2	65.3	70.7	53.4	84.2
7:16:18 PM	65.4	70.7	55.2	85.3	65.5	70.7	55.3	85.3
7:17:18 PM	63	66.5	56.1	80.8	63	66.6	56.2	80.9
7:18:18 PM	63.1	67.5	54.3	82.3	63.1	67.5	54.3	82.3
7:19:18 PM	60.4	64	51.4	83.1	60.4	64	51.4	83.1
7:20:18 PM	57.7	64.6	51.5	77	57.7	64.7	51.5	77.1
7:21:18 PM	54	57.6	49.9	78.8	54	57.6	49.9	78.8
7:22:18 PM	54.7	57.5	51.9	77.6	54.7	57.5	51.9	77.6
7:23:18 PM	54.3	57.6	48.2	75.4	54.3	57.7	48.2	75.4
7:24:18 PM	56.5	60.8	53.5	81.2	56.6	60.8	53.5	81.3
7:25:18 PM	59.7	62.5	51.1	82.9	59.7	62.5	51.2	82.9
7:26:18 PM	59.7	63.4	54.2	76.3	59.7	63.4	54.3	76.3
7:27:18 PM	60.5	66	53.7	79.2	60.6	66	53.7	79.3
7:28:18 PM	59.2	63.4	51.1	77.3	59.2	63.4	51.2	77.3
7:29:18 PM	59.3	62.8	51.8	76.7	59.4	62.8	51.8	76.7
7:30:18 PM	58.1	61.7	48.1	74.8	58.1	61.8	48.1	74.8
7:31:18 PM	60.2	67.1	53.1	80.7	60.3	67.1	53.1	80.7
7:32:18 PM	62.5	70.9	53.7	85.4	62.6	70.9	53.8	85.4
7:33:18 PM	75	82.8	58.6	95.1	75	82.8	58.6	95.1
7:34:18 PM	61.2	63.2	59.9	75.7	61.2	63.2	59.9	75.7
7:35:18 PM	63.5	66.2	60.1	79	63.6	66.2	60.1	79
7:36:18 PM	62.9	65.6	61	79.6	62.9	65.6	61	79.6
7:37:18 PM	60.3	65	52.2	76.9	60.3	65	52.3	77
7:38:18 PM	57.1	59.6	52.4	72.5	57.1	59.6	52.4	72.5
7:39:18 PM	56.8	60.3	52.4	73.7	56.8	60.3	52.4	73.8
7:40:18 PM	57.7	62.8	52.3	76	57.8	62.8	52.4	76
7:41:18 PM	58.1	62.2	51.7	75.1	58.1	62.2	51.7	75.2
7:42:18 PM	61.1	64	55.5	77.8	61.1	64	55.5	77.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7:43:18 PM	61.1	67	54.8	80.7	61.2	67	54.8	80.7
7:44:18 PM	62.1	67.5	53.1	82.2	62.1	67.6	53.1	82.2
7:45:18 PM	60.5	64.2	53.8	78.7	60.5	64.2	53.9	78.8
7:46:18 PM	57.6	61.5	52.2	75.8	57.6	61.5	52.3	75.8
7:47:18 PM	57.9	62.2	50.5	75.8	57.9	62.2	50.6	75.9
7:48:18 PM	59.3	62.9	50.7	77	59.4	62.9	50.8	77.1
7:49:18 PM	58.2	62.9	52	77.1	58.2	63	52	77.1
7:50:18 PM	54.9	59.6	50.4	72.8	54.9	59.6	50.4	72.8
7:51:18 PM	52.5	54.6	49.9	67.8	52.5	54.6	49.9	67.7
7:52:18 PM	54.2	57.1	50.1	74.7	54.2	57.1	50.1	74.7
7:53:18 PM	58.1	61.2	53	78.4	58.1	61.2	53	78.4
7:54:18 PM	58.6	62.6	52.5	77.7	58.6	62.6	52.5	77.7
7:55:18 PM	57.8	61.8	48.6	77.5	57.8	61.9	48.6	77.5
7:56:18 PM	52.6	57.6	48	76.3	52.6	57.6	48	76.3
7:57:18 PM	54.2	58.7	50	71.5	54.2	58.8	50	71.5
7:58:18 PM	57.7	64.3	49.7	80.5	57.8	64.3	49.7	80.5
7:59:18 PM	54.9	58.8	48.5	73.9	54.9	58.8	48.5	74
8:00:18 PM	55.8	62.3	49.8	75.2	55.9	62.3	49.8	75.3
8:01:18 PM	58.5	63.8	51.9	76.1	58.6	63.8	51.9	76.2
8:02:18 PM	55.3	61.5	48	74.8	55.4	61.5	48	74.9
8:03:18 PM	57.1	62.2	49.1	76.8	57.1	62.3	49.1	76.8
8:04:18 PM	53.6	56.1	50.7	72.6	53.7	56.1	50.7	72.6
8:05:18 PM	56.7	61	53.4	75.5	56.7	61.1	53.4	75.5
8:06:18 PM	58.3	61.9	52.1	75.8	58.3	61.9	52.1	75.8
8:07:18 PM	59.4	62.6	52.9	76.7	59.4	62.7	52.9	76.8
8:08:18 PM	60.8	65.4	54.4	79	60.8	65.5	54.4	79
8:09:18 PM	61.3	64.6	56.3	78.5	61.4	64.6	56.3	78.5
8:10:18 PM	62	64.6	59.1	78.3	62	64.6	59.1	78.3
8:11:18 PM	60.8	64.4	56.1	79	60.9	64.4	56.2	79
8:12:18 PM	58.1	61.5	52	76.7	58.1	61.5	52	76.7
8:13:18 PM	58.6	62	52.9	78.8	58.7	62	52.9	78.8
8:14:18 PM	60.3	63.3	58.1	76.3	60.4	63.3	58.2	76.3
8:15:18 PM	60.9	63.9	56.5	78.1	60.9	63.9	56.6	78.2
8:16:18 PM	61.3	64.6	57.1	79.1	61.3	64.6	57.1	79.2
8:17:18 PM	61	64.5	53.1	80	61	64.5	53.2	80
8:18:18 PM	62.7	67	56.7	83	62.7	67.1	56.8	83
8:19:18 PM	63.1	66.1	55.2	81.5	63.1	66.2	55.2	81.5

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
8:20:18 PM	60.6	65.7	53.2	79.9	60.6	65.7	53.2	79.9
8:21:18 PM	60.3	62.5	54.2	76.6	60.4	62.5	54.2	76.6
8:22:18 PM	60.1	63.1	56.9	76.4	60.1	63.1	56.9	76.4
8:23:18 PM	57.6	63	52.3	75.2	57.7	63	52.4	75.2
8:24:18 PM	57	58.9	54	74.8	57	58.9	54.1	74.8
8:25:18 PM	56	57.5	53.5	70.6	56	57.6	53.6	70.6
8:26:18 PM	58.1	60.5	51.3	74.2	58.1	60.6	51.3	74.3
8:27:18 PM	58.9	61.7	50.7	76.3	58.9	61.7	50.7	76.3
8:28:18 PM	59.1	62.2	54.6	75.4	59.1	62.3	54.6	75.5
8:29:18 PM	57.3	60	54.9	73.6	57.3	60.1	54.9	73.7
8:30:18 PM	57	60	52.8	73.4	57	60	52.8	73.4
8:31:18 PM	56.9	59.7	53	73.1	56.9	59.8	53	73.1
8:32:18 PM	54.5	56	52.7	68.8	54.6	56	52.7	68.8
8:33:18 PM	56.2	58.3	52.9	71.5	56.2	58.3	52.9	71.6
8:34:18 PM	55.6	57.9	53.1	71	55.7	57.9	53.1	71.1
8:35:18 PM	56.5	60.1	51.8	73.3	56.6	60.2	51.8	73.4
8:36:18 PM	56.6	59.7	52.8	73	56.6	59.7	52.9	73
8:37:18 PM	56.7	59.5	52.5	73.6	56.7	59.5	52.5	73.7
8:38:18 PM	57.2	59.3	54.8	72.3	57.2	59.4	54.8	72.3
8:39:18 PM	55.4	57.3	53.1	71.7	55.5	57.3	53.1	71.8
8:40:18 PM	58.1	61.1	52.6	75	58.1	61.1	52.7	75
8:41:18 PM	58.1	61.2	52.7	75	58.2	61.2	52.7	75
8:42:18 PM	57.6	59.2	53.8	73.3	57.6	59.2	53.8	73.3
8:43:18 PM	56.2	58.9	52.5	76.9	56.2	58.9	52.6	76.9
8:44:18 PM	56.4	58.3	52.4	72.3	56.4	58.3	52.4	72.3
8:45:18 PM	55.1	57.7	49.3	71.3	55.1	57.7	49.3	71.4
8:46:18 PM	54.5	56.9	49.7	69.6	54.5	57	49.7	69.8
8:47:18 PM	53.3	55.9	49.4	69.9	53.3	56	49.5	69.9
8:48:18 PM	54.3	56.8	51.2	70.6	54.4	56.8	51.2	70.7
8:49:18 PM	52.8	57.4	47.9	71.2	52.8	57.4	47.9	71.3
8:50:18 PM	54.2	56.3	48.9	71	54.3	56.3	49	71
8:51:18 PM	53.8	56.9	49.6	78	53.8	57	49.7	78
8:52:18 PM	53.9	55.9	51.2	70.4	53.9	56	51.2	70.4
8:53:18 PM	53.2	55.4	50.6	69.1	53.2	55.4	50.7	69
8:54:18 PM	51.3	55.1	49.5	67.3	51.3	55.1	49.5	67.4
8:55:18 PM	52.3	54.9	49.2	68.5	52.3	54.9	49.2	68.5
8:56:18 PM	51	54.9	49	77.1	51.1	54.9	49	77.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
8:57:18 PM	56.5	62.2	53.9	75.8	56.5	62.2	53.9	75.8
8:58:18 PM	54.2	59.8	51	82.2	54.3	59.8	51	82.3
8:59:18 PM	53.8	58.6	50.8	71.2	53.9	58.6	50.8	71.2
9:00:18 PM	52.1	53.8	51.1	70.1	52.2	53.8	51.1	70.1
9:01:18 PM	52.5	53.7	51.1	70.3	52.5	53.8	51.1	70.3
9:02:18 PM	52.4	55.3	51	72	52.5	55.3	51	72
9:03:18 PM	53.3	57	51.4	72.4	53.3	57	51.4	72.4
9:04:18 PM	52.3	54.6	51	70.8	52.3	54.7	51	70.8
9:05:18 PM	55.3	59.4	52	72.7	55.3	59.4	52	72.7
9:06:18 PM	54.7	55.3	53.9	68.9	54.7	55.4	53.9	69
9:07:18 PM	54.7	56.7	53.3	69.5	54.7	56.8	53.4	69.5
9:08:18 PM	54.6	56.7	52.8	70	54.6	56.7	52.8	70
9:09:18 PM	53	53.9	52.5	67.9	53.1	53.9	52.6	68.1
9:10:18 PM	54.7	56.6	53.5	70	54.8	56.6	53.6	70.1
9:11:18 PM	53.9	56.3	52.6	69.2	53.9	56.3	52.6	69.4
9:12:18 PM	66.5	78.2	52.4	92.6	66.6	78.2	52.4	92.7
9:13:18 PM	54.1	60.8	52.4	72.2	54.2	60.8	52.4	72.2
9:14:18 PM	54.9	60.3	52.3	74.4	54.9	60.3	52.3	74.5
9:15:18 PM	53.1	54	51.8	69.7	53.2	54	51.9	69.6
9:16:18 PM	55.1	58.1	51.3	71.3	55.2	58.1	51.3	71.3
9:17:18 PM	55.3	58.1	53.1	72.9	55.4	58.1	53.1	72.9
9:18:18 PM	56	58.1	54.1	74	56	58.2	54.1	74
9:19:18 PM	56.5	59	54.8	75	56.6	59	54.8	74.9
9:20:18 PM	55.2	57.8	53	73.8	55.2	57.8	53	73.8
9:21:18 PM	56.5	58.3	54.7	74.5	56.6	58.3	54.8	74.5
9:22:18 PM	54.7	56.6	52.9	73.4	54.7	56.6	52.9	73.5
9:23:18 PM	57.6	59.3	55	73.2	57.6	59.4	55	73.3
9:24:18 PM	53.8	55	52.9	69	53.8	55	52.9	69.1
9:25:18 PM	54.8	57.3	52.9	70.5	54.8	57.3	52.9	70.5
9:26:18 PM	54.2	57.4	52.9	70.4	54.2	57.4	53	70.5
9:27:18 PM	54.8	56.8	53.6	70.6	54.9	56.8	53.6	70.7
9:28:18 PM	54.4	57.3	53.4	71.2	54.4	57.4	53.4	71.1
9:29:18 PM	55.7	57.5	54.2	70.6	55.8	57.6	54.2	70.6
9:30:18 PM	55.6	57.2	54.5	70.5	55.6	57.2	54.5	70.5
9:31:18 PM	56.4	59.3	54.6	72.5	56.5	59.4	54.6	72.5
9:32:18 PM	53.6	55.2	52.7	68.4	53.6	55.2	52.8	68.4
9:33:18 PM	53.5	54.4	53	68.4	53.5	54.4	53	68.5

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:34:18 PM	56.3	64.4	53.8	77.7	56.3	64.4	53.8	77.8
9:35:18 PM	70.4	81.8	54.6	94.7	70.5	81.9	54.7	94.7
9:36:18 PM	65.6	77.8	55	91.3	65.6	77.8	55	91.3
9:37:18 PM	66.4	76.1	52.8	89.6	66.5	76.1	52.8	89.6
9:38:18 PM	68.5	78.5	56.2	93.2	68.5	78.5	56.2	93.2
9:39:18 PM	56.7	59	54.7	72.4	56.7	59.1	54.7	72.4
9:40:18 PM	58.5	62	55.2	76.5	58.6	62	55.2	76.6
9:41:18 PM	61.3	63	56.5	77.7	61.4	63	56.5	77.7
9:42:18 PM	59.7	64.6	56.3	80.1	59.7	64.6	56.3	80.1
9:43:18 PM	61.4	66.8	58.4	81.7	61.5	66.8	58.5	81.7
9:44:18 PM	60	62	58	79.5	60	62	58.1	79.6
9:45:18 PM	60	61.6	57.7	78.4	60.1	61.6	57.8	78.5
9:46:18 PM	58.9	61	55.8	78.4	59	61	55.8	78.4
9:47:18 PM	59.5	61.4	57	79.9	59.6	61.5	57	80
9:48:18 PM	60.2	61.9	57.6	79.6	60.2	62	57.6	79.6
9:49:18 PM	59.6	61.3	56.8	78.9	59.6	61.3	56.8	78.9
9:50:18 PM	60.3	62.1	57.8	79.1	60.3	62.1	57.9	79.1
9:51:18 PM	59	61.7	56	78.3	59	61.7	56	78.3
9:52:18 PM	56.3	58.5	55	73	56.4	58.5	55	73
9:53:18 PM	58.5	60	55.4	74	58.6	60	55.4	74.1
9:54:18 PM	57.7	61	55.3	75.2	57.7	61	55.4	75.2
9:55:18 PM	56.5	58.4	54.4	72	56.5	58.4	54.4	72.1
9:56:18 PM	54.5	55.4	53.9	69.4	54.5	55.4	53.9	69.5
9:57:18 PM	54.8	55.8	54.3	69.8	54.8	55.8	54.3	69.8
9:58:18 PM	57.3	58.9	55.2	73.3	57.3	58.9	55.2	73.3
9:59:18 PM	58.3	60	56.5	78.2	58.4	60	56.5	78.2
10:00:18 PM	59.9	64	57.3	86.3	59.9	64	57.3	86.3
10:01:18 PM	59.6	61.3	57.5	79.1	59.6	61.3	57.5	79.1
10:02:18 PM	59.9	61.5	57.9	79.9	59.9	61.5	57.9	79.9
10:03:18 PM	59.6	61	57.8	79.2	59.6	61	57.8	79.2
10:04:18 PM	59.6	61.1	57.1	80.1	59.7	61.2	57.2	80.1
10:05:18 PM	59.3	61.3	57	80.6	59.4	61.3	57	80.6
10:06:18 PM	59.3	61.2	56.6	80.3	59.3	61.3	56.6	80.3
10:07:18 PM	59.5	61.4	57.2	79.6	59.6	61.5	57.2	79.6
10:08:18 PM	59.6	61.8	57.1	79.7	59.6	61.8	57.1	79.8
10:09:18 PM	60.4	62.3	57.3	79.7	60.4	62.3	57.3	79.8
10:10:18 PM	59.8	61.7	57.6	79.7	59.9	61.7	57.6	79.7

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
10:11:18 PM	59.6	61.5	57.4	80.1	59.7	61.5	57.4	80.2
10:12:18 PM	59.6	61.8	56.8	80.5	59.7	61.9	56.9	80.5
10:13:18 PM	60	62	55.8	80.8	60	62.1	55.8	80.9
10:14:18 PM	56.1	57.4	54.7	71.1	56.1	57.5	54.7	71.2
10:15:18 PM	56.4	58.3	54.3	71.7	56.5	58.4	54.3	71.8
10:16:18 PM	56.1	58	54.5	71.9	56.1	58.1	54.6	71.9
10:17:18 PM	57	57.6	56.2	72.1	57	57.6	56.2	72.1
10:18:18 PM	58	59.6	56.8	73.2	58	59.6	56.9	73.1
10:19:18 PM	56.9	58.1	55.8	72.7	57	58.1	55.8	72.7
10:20:18 PM	56.2	58.1	54.5	73.8	56.2	58.1	54.5	73.9
10:21:18 PM	57.6	60.1	55	80.6	57.6	60.1	55	80.6
10:22:18 PM	59.5	61.8	56.9	81.4	59.5	61.9	56.9	81.4
10:23:18 PM	59.7	61.8	57.3	80	59.8	61.8	57.3	80.1
10:24:18 PM	60.7	64	57.5	81.2	60.8	64	57.6	81.2
10:25:18 PM	60.3	62.2	58	79.8	60.3	62.2	58	79.9
10:26:18 PM	60.3	62.4	57.8	79.8	60.3	62.5	57.8	79.8
10:27:18 PM	60.2	62.4	58.1	80.6	60.3	62.4	58.1	80.6
10:28:18 PM	60.2	62.9	56.4	80.4	60.3	62.9	56.5	80.5
10:29:18 PM	60.1	62.2	57.4	79.7	60.1	62.2	57.4	79.8
10:30:18 PM	59.9	62	57.6	79.7	59.9	62.1	57.6	79.7
10:31:18 PM	60	62	57.5	80.1	60.1	62	57.5	80.1
10:32:18 PM	60.3	62.3	57.9	80.5	60.3	62.3	57.9	80.5
10:33:18 PM	59.8	62.8	56.7	80.3	59.8	62.8	56.7	80.3
10:34:18 PM	60.2	65.1	57	81	60.2	65.1	57	81
10:35:18 PM	59.8	62.1	55.6	80.2	59.8	62.1	55.6	80.2
10:36:18 PM	59.8	61.9	57.4	80.3	59.8	61.9	57.4	80.3
10:37:18 PM	59.8	61.7	57	80.5	59.8	61.7	57	80.5
10:38:18 PM	59.9	62.6	57.6	79.8	60	62.6	57.6	79.8
10:39:18 PM	60	63.3	57	80	60	63.3	57.1	80
10:40:18 PM	59.8	62.2	57.1	81.3	59.8	62.2	57.1	81.4
10:41:18 PM	59.8	61.8	56.6	80.6	59.8	61.8	56.6	80.6
10:42:18 PM	58.5	61.8	56.6	79.5	58.5	61.8	56.6	79.5
10:43:18 PM	58.2	59.8	56.5	77.4	58.2	59.8	56.6	77.4
10:44:18 PM	58.8	60.6	57.2	76.9	58.8	60.6	57.2	76.9
10:45:18 PM	58.4	59.9	57	77.8	58.4	59.9	57	77.9
10:46:18 PM	59.3	61.6	57.4	77.2	59.3	61.6	57.4	77.2
10:47:18 PM	58.3	59.9	57	77.2	58.4	59.9	57	77.3

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
10:48:18 PM	58.3	59.8	56.9	76.9	58.3	59.9	56.9	76.9
10:49:18 PM	58.6	60.4	57	77.2	58.6	60.4	57	77.3
10:50:18 PM	58.3	59.9	56.9	76.6	58.3	59.9	56.9	76.6
10:51:18 PM	58.6	60.1	57.3	76.1	58.6	60.1	57.3	76.2
10:52:18 PM	59.8	62.5	57.1	77.9	59.8	62.5	57.1	77.9
10:53:18 PM	58.5	60	57.2	76.3	58.5	60	57.3	76.3
10:54:18 PM	58.5	60.2	56.4	76.9	58.6	60.2	56.4	76.9
10:55:18 PM	58.4	59.8	57	76.8	58.5	59.8	57	76.8
10:56:18 PM	58.7	60.3	57.2	78.1	58.7	60.3	57.2	78.1
10:57:18 PM	59.3	61.4	55.5	76.8	59.4	61.4	55.5	76.8
10:58:18 PM	58.5	60.3	57.1	77.6	58.6	60.4	57.1	77.6
10:59:18 PM	59.3	62.7	57.3	77.7	59.3	62.7	57.3	77.7
11:00:18 PM	58.5	60	57.1	77.1	58.5	60	57.1	77.2
11:01:18 PM	58.9	61.1	57.6	77.1	59	61.1	57.6	77.1
11:02:18 PM	58.7	60.1	56.9	76.6	58.7	60.1	57	76.6
11:03:18 PM	58.7	60.1	57.4	76.8	58.7	60.1	57.5	76.8
11:04:18 PM	58.9	60.3	57.4	77.7	58.9	60.4	57.5	77.7
11:05:18 PM	58.8	60.4	57.5	78.3	58.8	60.4	57.6	78.4
11:06:18 PM	58.7	60.5	57.5	76.9	58.7	60.5	57.5	76.9
11:07:18 PM	58.6	60.1	57.4	76.7	58.6	60.1	57.5	76.8
11:08:18 PM	59.5	61.9	57.3	77.2	59.5	62	57.4	77.2
11:09:18 PM	59	60.8	57.3	76.7	59	60.8	57.3	76.7
11:10:18 PM	58.6	60.1	57.2	77.4	58.6	60.1	57.2	77.4
11:11:18 PM	58.6	60.1	57.1	78.4	58.6	60.1	57.1	78.5
11:12:18 PM	58.5	60	57.1	76.9	58.5	60	57.1	76.9
11:13:18 PM	59.3	62.8	57	78	59.4	62.8	57	78
11:14:18 PM	59	61.7	57.3	77.7	59	61.7	57.3	77.7
11:15:18 PM	58.5	60.2	57	77.2	58.5	60.2	57	77.2
11:16:18 PM	57.4	59.5	55.7	75.2	57.4	59.5	55.7	75.2
11:17:18 PM	57.3	58.3	56.3	73.9	57.3	58.4	56.4	73.9
11:18:18 PM	58.2	61.2	56.3	77.4	58.2	61.2	56.3	77.4
11:19:18 PM	59.3	61.2	57.1	78.8	59.3	61.2	57.2	78.8
11:20:18 PM	59.1	61	56.8	78	59.2	61.1	56.8	78
11:21:18 PM	59	60.9	57.1	77.5	59	61	57.2	77.6
11:22:18 PM	59.3	61.2	57.1	77.9	59.3	61.3	57.1	78
11:23:18 PM	59.2	60.9	57.1	78.6	59.2	60.9	57.1	78.6
11:24:18 PM	59	60.9	56.9	78.5	59	61	56.9	78.5

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
11:25:18 PM	57.1	60.9	55.5	77.6	57.1	60.9	55.6	77.7
11:26:18 PM	58.4	60.1	56.7	76.5	58.4	60.1	56.8	76.5
11:27:18 PM	58	59.4	56.8	75.8	58.1	59.5	56.8	75.8
11:28:18 PM	58	59.3	56.8	75.8	58	59.3	56.8	75.8
11:29:18 PM	57.8	59.2	56.6	76.1	57.9	59.2	56.6	76.1
11:30:18 PM	57.8	59	56.8	75.1	57.8	59	56.8	75.1
11:31:18 PM	58.2	59.8	56.6	75.5	58.2	59.9	56.6	75.5
11:32:18 PM	59.8	62.8	57.4	77.1	59.8	62.8	57.4	77.1
11:33:18 PM	58.3	60.4	56.4	76.9	58.3	60.4	56.4	76.9
11:34:18 PM	59	60.5	57.3	78.1	59	60.6	57.3	78.2
11:35:18 PM	58.5	60.1	56.9	77.1	58.5	60.2	56.9	77.2
11:36:18 PM	58.8	60.4	57.3	77.5	58.9	60.4	57.3	77.5
11:37:18 PM	58.7	60.1	57.2	77.1	58.8	60.1	57.2	77.1
11:38:18 PM	58.7	60.3	57	78	58.7	60.3	57	78.1
11:39:18 PM	58.2	60	55.3	76.7	58.2	60	55.4	76.7
11:40:18 PM	58	59.6	56.7	76.9	58	59.6	56.7	77
11:41:18 PM	58.3	59.8	56.9	77.2	58.4	59.8	57	77.2
11:42:18 PM	59	60.7	57.7	77.6	59	60.7	57.8	77.6
11:43:18 PM	58.6	59.9	57.1	77.2	58.6	59.9	57.1	77.2
11:44:18 PM	58.7	60.4	57.3	79	58.8	60.5	57.4	79.1
11:45:18 PM	58.5	60.4	55.9	77.6	58.5	60.4	55.9	77.6
11:46:18 PM	57.9	58.8	56.9	76.4	57.9	58.9	56.9	76.4
11:47:18 PM	57.8	58.8	56.5	76.5	57.8	58.9	56.5	76.5
11:48:18 PM	57.8	58.8	56.5	76.6	57.8	58.8	56.5	76.6
11:49:18 PM	57.7	58.8	56.4	76.3	57.7	58.8	56.5	76.2
11:50:18 PM	57.8	59	56.8	76.3	57.8	59	56.8	76.3
11:51:18 PM	58.2	59.9	56.5	77.1	58.2	59.9	56.5	77.1
11:52:18 PM	58.3	59.8	57.1	76.2	58.4	59.8	57.1	76.3
11:53:18 PM	60.5	66.5	57.4	82.6	60.5	66.5	57.5	82.6
11:54:18 PM	59.2	64.7	57.2	78.5	59.2	64.7	57.2	78.5
11:55:18 PM	58.2	60.2	56.7	77.3	58.2	60.2	56.7	77.3
11:56:18 PM	57.8	59.7	56.4	76	57.8	59.7	56.4	76
11:57:18 PM	57.8	59.7	55.2	76.6	57.8	59.7	55.2	76.6
11:58:18 PM	58.7	60.3	57.3	78.5	58.7	60.3	57.3	78.5
11:59:18 PM	58.6	60.6	57.2	77.4	58.6	60.6	57.2	77.4
7/22/2021 12:00:18 AM	58.6	61.2	56.9	76.6	58.7	61.2	57	76.7
12:01:18 AM	56	58.7	54.5	75.3	56	58.7	54.5	75.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
12:02:18 AM	56.9	59.7	54.6	75.2	56.9	59.7	54.7	75.2
12:03:18 AM	57.3	59.7	54.9	75.1	57.4	59.7	55	75.2
12:04:18 AM	57.3	59	54.7	74.9	57.3	59.1	54.7	74.9
12:05:18 AM	58.1	60.4	56	76	58.2	60.4	56	76
12:06:18 AM	57.3	59	55.9	76.5	57.4	59.1	55.9	76.5
12:07:18 AM	57.8	59.4	56	76	57.8	59.4	56	76
12:08:18 AM	57.8	60	56.1	75.4	57.8	60	56.1	75.4
12:09:18 AM	57.8	59.8	55.6	77.9	57.8	59.8	55.6	77.9
12:10:18 AM	58.4	59.9	57.1	76.1	58.4	59.9	57.1	76.1
12:11:18 AM	58	59.9	55.7	75.4	58	59.9	55.8	75.4
12:12:18 AM	58.3	60.7	56.5	76	58.3	60.7	56.5	75.9
12:13:18 AM	57.6	58.7	56	76.5	57.7	58.8	56	76.5
12:14:18 AM	57.8	59.3	56.5	76.6	57.9	59.3	56.5	76.6
12:15:18 AM	57.2	59.3	55.6	76.4	57.2	59.3	55.6	76.4
12:16:18 AM	56.7	57.7	55.9	73.7	56.7	57.7	55.9	73.7
12:17:18 AM	56.9	57.9	56.1	75.2	57	57.9	56.1	75.3
12:18:18 AM	57	57.8	56.1	75.5	57	57.9	56.1	75.5
12:19:18 AM	56.5	57.4	54.5	74.7	56.5	57.4	54.5	74.7
12:20:18 AM	57.4	60.5	55.8	74.4	57.4	60.5	55.8	74.4
12:21:18 AM	56.8	57.8	55.6	74.3	56.8	57.9	55.6	74.4
12:22:18 AM	57.1	58.5	55.8	75.6	57.1	58.5	55.8	75.6
12:23:18 AM	57.9	59.6	56.1	75.7	57.9	59.6	56.1	75.8
12:24:18 AM	57.8	59.3	56.4	78.1	57.8	59.3	56.4	78.1
12:25:18 AM	57.5	59	56.4	76.3	57.5	59	56.4	76.3
12:26:18 AM	57.2	58.4	55.9	75.9	57.2	58.5	55.9	76
12:27:18 AM	57.3	58.8	55.9	75.4	57.3	58.8	56	75.4
12:28:18 AM	57.4	58.8	56.2	77	57.4	58.9	56.3	77
12:29:18 AM	56.8	58.5	55.4	75.1	56.9	58.5	55.4	75.2
12:30:18 AM	56.4	57.9	55.4	74	56.4	57.9	55.4	74
12:31:18 AM	56.6	58.8	55	74.6	56.6	58.8	55	74.7
12:32:18 AM	55.7	56.7	54.6	73.8	55.7	56.8	54.6	73.8
12:33:18 AM	55.8	57	54.7	73.7	55.8	57	54.8	73.7
12:34:18 AM	55.7	57	54.5	73.7	55.8	57	54.5	73.7
12:35:18 AM	55.9	57.3	54.8	73.8	55.9	57.3	54.9	73.9
12:36:18 AM	56.3	59.7	54.9	74.5	56.4	59.8	54.9	74.5
12:37:18 AM	57.1	60.4	55.8	75	57.1	60.4	55.8	75
12:38:18 AM	57.6	59.1	56.5	75.2	57.7	59.1	56.5	75.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
12:39:18 AM	57.4	58.7	56.3	75	57.4	58.8	56.3	75
12:40:18 AM	58.3	59.9	56.5	75.4	58.3	59.9	56.5	75.5
12:41:18 AM	58.2	63.5	56.3	78.1	58.3	63.6	56.3	78.2
12:42:18 AM	57.3	59.5	55.7	75.4	57.3	59.5	55.7	75.4
12:43:18 AM	57.3	59.2	55.2	76.5	57.3	59.2	55.2	76.6
12:44:18 AM	55.7	57.8	54	75.2	55.7	57.8	54	75.2
12:45:18 AM	56.8	58.4	55.4	75.9	56.8	58.4	55.5	75.9
12:46:18 AM	56.8	58.2	55.6	74.6	56.8	58.2	55.6	74.6
12:47:18 AM	57.6	60.3	55.8	75.6	57.6	60.4	55.9	75.6
12:48:18 AM	57.4	59.4	55.9	75.6	57.4	59.5	55.9	75.6
12:49:18 AM	56.5	57.7	55.1	73.9	56.5	57.7	55.2	73.9
12:50:18 AM	56.7	58.1	55.2	76.4	56.7	58.1	55.2	76.3
12:51:18 AM	57.1	58.5	55.8	75.2	57.2	58.6	55.8	75.2
12:52:18 AM	58.8	59.9	56.3	78	58.8	59.9	56.3	78
12:53:18 AM	59.2	59.9	58.6	75.9	59.2	59.9	58.6	76
12:54:18 AM	58.5	59.7	54.9	76	58.5	59.8	54.9	76.1
12:55:18 AM	57.2	59.4	53.9	74.9	57.2	59.4	54	74.9
12:56:18 AM	57.1	58.4	54.9	74.8	57.1	58.4	54.9	74.8
12:57:18 AM	56.1	57.1	55	74	56.2	57.1	55	74
12:58:18 AM	57.1	58.4	55.1	74.8	57.2	58.4	55.1	74.9
12:59:18 AM	57.7	58.6	56.8	74.5	57.7	58.6	56.8	74.6
1:00:18 AM	57.8	58.7	57	74.3	57.9	58.8	57	74.3
1:01:18 AM	57.9	58.7	57.2	75.2	57.9	58.7	57.2	75.2
1:02:18 AM	58	58.9	57.3	75	58.1	59	57.3	75.1
1:03:18 AM	57	58.6	55.3	74.7	57	58.6	55.4	74.7
1:04:18 AM	56.3	57.2	55.3	73.9	56.3	57.2	55.3	74
1:05:18 AM	56.3	57.2	55.1	73.7	56.4	57.2	55.1	73.7
1:06:18 AM	56.4	57.8	55	74.2	56.5	57.8	55	74.2
1:07:18 AM	57.5	58.4	56.9	75	57.6	58.4	56.9	75
1:08:18 AM	57.5	58.3	56.9	74.5	57.6	58.3	56.9	74.5
1:09:18 AM	57.4	58.2	56.5	74.5	57.4	58.2	56.5	74.6
1:10:18 AM	57.3	58.3	56.6	74.8	57.4	58.3	56.6	74.7
1:11:18 AM	57.8	59.1	56.9	73.8	57.8	59.1	56.9	73.8
1:12:18 AM	56.9	58.8	55.6	73.8	56.9	58.8	55.6	73.7
1:13:18 AM	56.2	57.3	54.9	73.3	56.2	57.3	54.9	73.4
1:14:18 AM	56.2	58.1	54.1	73.9	56.2	58.1	54.1	74
1:15:18 AM	56.1	57.7	54.2	74.1	56.1	57.7	54.2	74.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
1:16:18 AM	56.7	58.2	55.7	74	56.7	58.2	55.7	74
1:17:18 AM	56.8	57.9	55.3	74.2	56.8	57.9	55.4	74.3
1:18:18 AM	57.4	58.2	56.7	74.4	57.5	58.2	56.7	74.4
1:19:18 AM	57.7	59.1	56.4	75	57.7	59.2	56.4	75
1:20:18 AM	57.5	58.4	56.7	74.7	57.6	58.4	56.8	74.7
1:21:18 AM	56.5	58.1	55.2	73.9	56.5	58.2	55.2	73.9
1:22:18 AM	56.4	57.7	54.9	74.6	56.4	57.8	54.9	74.6
1:23:18 AM	56.6	57.8	55.2	74.1	56.6	57.9	55.2	74.1
1:24:18 AM	57.3	58.1	56.6	74.7	57.4	58.1	56.7	74.7
1:25:18 AM	57.4	58.1	56.6	74.6	57.4	58.1	56.7	74.6
1:26:18 AM	57.5	59.2	56.4	75.4	57.5	59.3	56.5	75.4
1:27:18 AM	57.4	58.9	56.5	74.4	57.5	59	56.6	74.5
1:28:18 AM	56.9	58	55.3	74.3	56.9	58.1	55.3	74.4
1:29:18 AM	57.3	61.7	55.2	75.9	57.3	61.7	55.3	75.9
1:30:18 AM	56.5	58.2	55.2	73.5	56.6	58.2	55.2	73.5
1:31:18 AM	56.3	57.7	54.9	74	56.3	57.7	54.9	74.1
1:32:18 AM	56.5	58.8	55.2	74.4	56.5	58.9	55.2	74.4
1:33:18 AM	56.9	60.7	55.4	75	57	60.7	55.5	74.9
1:34:18 AM	58.5	65.4	55.7	79.3	58.5	65.4	55.7	79.4
1:35:18 AM	57	59.2	55.6	74.5	57	59.2	55.7	74.5
1:36:18 AM	56.9	59.5	55.1	74.2	57	59.5	55.1	74.3
1:37:18 AM	56.5	57.5	55.4	73.8	56.5	57.5	55.4	73.9
1:38:18 AM	56.4	57.4	55.4	74.4	56.4	57.5	55.4	74.4
1:39:18 AM	56.6	60	55.5	76	56.6	60	55.5	76.1
1:40:18 AM	58.2	61	55.4	74.9	58.3	61.1	55.4	74.9
1:41:18 AM	56.5	57.4	55.7	74.5	56.5	57.5	55.7	74.5
1:42:18 AM	56.5	57.8	55.5	74.1	56.5	57.9	55.5	74.2
1:43:18 AM	57.5	58.8	56.1	74.5	57.5	58.8	56.2	74.6
1:44:18 AM	57.5	59.3	56.2	74.2	57.5	59.3	56.3	74.2
1:45:18 AM	57	58	56.1	74.5	57.1	58	56.1	74.5
1:46:18 AM	56.8	58.1	55.7	74.5	56.8	58.1	55.7	74.6
1:47:18 AM	56.6	57.9	55.4	74.8	56.7	57.9	55.4	74.8
1:48:18 AM	56.5	57.4	55.6	73.6	56.5	57.4	55.6	73.6
1:49:18 AM	57	58.8	55.7	74.8	57	58.8	55.7	74.8
1:50:18 AM	57.1	58.9	55.9	75.2	57.1	58.9	55.9	75.2
1:51:18 AM	57.1	59	55.8	74.8	57.2	59.1	55.8	74.7
1:52:18 AM	56.6	58	55.3	74.3	56.7	58	55.3	74.3

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
1:53:18 AM	58.2	60.2	55.7	75	58.2	60.2	55.8	75
1:54:18 AM	58.8	59.7	58	75.1	58.8	59.7	58	75.1
1:55:18 AM	58.5	59.3	57.8	74.7	58.5	59.3	57.8	74.7
1:56:18 AM	58.5	59.1	57.4	75.1	58.5	59.1	57.5	75.1
1:57:18 AM	57.9	59.2	55.5	74.6	58	59.2	55.5	74.6
1:58:18 AM	56.4	57.3	55.5	74.1	56.4	57.4	55.5	74.1
1:59:18 AM	56.5	57.5	55.3	73.4	56.5	57.6	55.4	73.5
2:00:18 AM	56.4	57.3	55.5	73.8	56.5	57.4	55.6	73.8
2:01:18 AM	56.7	58.6	55.4	75.4	56.7	58.6	55.4	75.4
2:02:18 AM	57.5	58.8	56.4	75.3	57.5	58.9	56.5	75.4
2:03:18 AM	58.4	63.4	56.9	76.1	58.4	63.4	56.9	76.2
2:04:18 AM	57.7	58.7	56.8	74.6	57.7	58.7	56.9	74.6
2:05:18 AM	59	61.6	57.1	75.6	59	61.6	57.1	75.7
2:06:18 AM	58.4	59.7	57.5	75.1	58.4	59.7	57.5	75.2
2:07:18 AM	59.3	60.1	57.6	75.9	59.3	60.1	57.6	75.9
2:08:18 AM	59.5	60.3	57	75.3	59.5	60.3	57	75.2
2:09:18 AM	57.9	59.9	55.8	74.2	57.9	59.9	55.8	74.3
2:10:18 AM	55.8	57	54	73.7	55.8	57	54.1	73.8
2:11:18 AM	55.7	56.8	54.4	73.9	55.8	56.8	54.4	73.9
2:12:18 AM	55.6	57	54.4	73.8	55.6	57	54.4	73.8
2:13:18 AM	55.5	56.7	54.3	72.9	55.5	56.7	54.4	72.9
2:14:18 AM	55.4	57	53.5	74.2	55.5	57	53.5	74.3
2:15:18 AM	56.9	58.7	55.4	74.6	56.9	58.7	55.4	74.6
2:16:18 AM	57.5	58.5	56.1	73.8	57.5	58.5	56.1	73.9
2:17:18 AM	57	58.4	56.1	73.2	57.1	58.4	56.1	73.2
2:18:18 AM	57.1	58.1	55.5	74.3	57.1	58.2	55.5	74.3
2:19:18 AM	57.3	59.5	54.8	74.1	57.4	59.6	54.9	74.2
2:20:18 AM	57.6	59.5	55.5	74.4	57.6	59.5	55.5	74.5
2:21:18 AM	57.6	58.3	56.8	74.7	57.6	58.4	56.8	74.7
2:22:18 AM	57.7	59.9	55.8	74.2	57.7	59.9	55.8	74.2
2:23:18 AM	59.4	62.7	57.3	76.1	59.4	62.7	57.3	76.1
2:24:18 AM	57.5	58.8	55.2	73.7	57.5	58.8	55.2	73.7
2:25:18 AM	56.9	58.6	55.2	73.8	56.9	58.6	55.3	73.8
2:26:18 AM	56.6	58.2	54.8	73.1	56.6	58.2	54.8	73.2
2:27:18 AM	57.2	58.4	55.1	74.9	57.2	58.4	55.1	74.9
2:28:18 AM	57.4	58.8	55.3	74.1	57.4	58.9	55.3	74.1
2:29:18 AM	58.1	63	54.6	77.1	58.2	63	54.6	77.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
2:30:18 AM	57.1	63.1	55.1	76	57.2	63.1	55.1	76
2:31:18 AM	55.9	56.9	54.9	73.2	55.9	56.9	55	73.3
2:32:18 AM	56	56.8	55	73	56	56.9	55.1	73
2:33:18 AM	56.2	57.1	54.9	73.2	56.2	57.2	54.9	73.2
2:34:18 AM	55.8	57	54.5	73	55.9	57	54.6	73
2:35:18 AM	55.8	57.2	54.1	73.4	55.8	57.2	54.1	73.5
2:36:18 AM	56.1	57.1	54.9	73.3	56.1	57.2	55	73.3
2:37:18 AM	56.8	58.2	55.7	74.5	56.8	58.2	55.7	74.6
2:38:18 AM	56	57.4	54.5	74	56	57.4	54.5	74
2:39:18 AM	57.3	60	55.5	73.9	57.3	60	55.5	73.9
2:40:18 AM	56.8	59.1	55	74.2	56.9	59.1	55	74.2
2:41:18 AM	55.4	57.9	53.4	73.7	55.4	57.9	53.4	73.7
2:42:18 AM	56.3	57.4	53.5	73.6	56.3	57.4	53.5	73.6
2:43:18 AM	57.1	60.6	55.6	75.1	57.2	60.7	55.7	75.1
2:44:18 AM	57	58.4	55.6	74.6	57	58.4	55.6	74.6
2:45:18 AM	57.9	59.1	56.4	74.4	57.9	59.1	56.5	74.4
2:46:18 AM	58.2	59.1	56.2	75.2	58.2	59.1	56.3	75.2
2:47:18 AM	58.7	60.1	56.9	76.6	58.8	60.1	57	76.6
2:48:18 AM	61.3	66.8	55.8	81.5	61.3	66.8	55.9	81.5
2:49:18 AM	56.8	59	55	75	56.9	59	55.1	75
2:50:18 AM	56.3	59.4	54.6	74.3	56.4	59.5	54.6	74.3
2:51:18 AM	54.4	56.1	53.7	69.1	54.4	56.1	53.7	69.2
2:52:18 AM	54.6	55.8	53.5	70.1	54.7	55.8	53.5	70.1
2:53:18 AM	54.2	55	53.5	68.9	54.2	55	53.5	68.8
2:54:18 AM	54.3	55.7	53.6	68.9	54.3	55.7	53.6	68.9
2:55:18 AM	54.3	54.8	53.9	69.3	54.3	54.8	53.9	69.4
2:56:18 AM	54	54.5	53.5	69.2	54.1	54.6	53.6	69.3
2:57:18 AM	53.9	54.7	53.5	68.2	53.9	54.7	53.5	68.2
2:58:18 AM	53.9	54.6	53.6	68.8	53.9	54.6	53.6	68.7
2:59:18 AM	53.8	54.3	53.3	67.6	53.8	54.3	53.3	67.6
3:00:18 AM	53.9	55	53.2	68.5	53.9	55	53.3	68.5
3:01:18 AM	53.7	54.4	53.3	68.4	53.8	54.4	53.3	68.5
3:02:18 AM	53.5	54	52.7	67.6	53.5	54.1	52.7	67.6
3:03:18 AM	53.2	53.9	52.6	67.4	53.3	54	52.7	67.4
3:04:18 AM	72.5	81.7	52.7	95.6	72.5	81.8	52.7	95.6
3:05:18 AM	55.1	58.4	52.6	71.7	55.1	58.4	52.6	71.7
3:06:18 AM	53.1	53.6	52.5	67.4	53.2	53.7	52.6	67.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:07:18 AM	54.3	56.9	52.9	69.8	54.4	57	52.9	69.9
3:08:18 AM	53.1	53.5	52.8	68	53.2	53.5	52.8	68
3:09:18 AM	53.3	54.4	52.6	67.7	53.3	54.4	52.6	67.8
3:10:18 AM	53.9	56	52.8	68.9	53.9	56	52.8	68.9
3:11:18 AM	53.2	55	52.4	68.3	53.2	55.1	52.4	68.3
3:12:18 AM	54.3	56.9	53	70.7	54.4	56.9	53	70.8
3:13:18 AM	53.9	57.4	52.7	70.6	53.9	57.4	52.7	70.5
3:14:18 AM	55.1	57.5	52.9	70.9	55.1	57.5	52.9	70.9
3:15:18 AM	53.3	55.1	52.8	68	53.4	55.1	52.9	68.1
3:16:18 AM	52.9	53.3	52.5	67.3	52.9	53.3	52.5	67.3
3:17:18 AM	53.9	55.2	52.7	69.7	54	55.2	52.7	69.7
3:18:18 AM	54	56.1	52.8	69.5	54	56.1	52.8	69.5
3:19:18 AM	53.2	53.8	52.6	67.5	53.2	53.8	52.6	67.5
3:20:18 AM	53.4	54.4	52.7	68	53.4	54.4	52.7	68.1
3:21:18 AM	54.1	56.5	52.6	69.7	54.1	56.6	52.6	69.7
3:22:18 AM	53.8	57	52.5	69.5	53.8	57	52.6	69.5
3:23:18 AM	55.2	58.9	53.2	72.5	55.3	58.9	53.2	72.6
3:24:18 AM	54.3	55.7	53	69.2	54.3	55.8	53.1	69.4
3:25:18 AM	54.9	57	53.1	71	54.9	57	53.2	71
3:26:18 AM	54.9	58.8	53	72.6	54.9	58.8	53.1	72.7
3:27:18 AM	53.7	55.3	53	68.6	53.8	55.4	53	68.6
3:28:18 AM	54.1	55.7	53.1	69.6	54.2	55.8	53.1	69.7
3:29:18 AM	54.7	57	53	70.2	54.7	57	53	70.2
3:30:18 AM	54.7	57.7	53.5	71.2	54.7	57.7	53.5	71.3
3:31:18 AM	54.8	59.3	53.6	72.6	54.8	59.4	53.7	72.6
3:32:18 AM	58.1	60.3	53.8	73.9	58.2	60.3	53.8	73.9
3:33:18 AM	54.7	58	53.6	70.2	54.7	58	53.7	70.2
3:34:18 AM	54.7	56.5	53.5	69.5	54.7	56.5	53.5	69.5
3:35:18 AM	54	54.8	53.3	68.8	54.1	54.8	53.3	68.8
3:36:18 AM	53.9	54.7	53.2	68.9	53.9	54.7	53.3	69
3:37:18 AM	54.7	57	53.3	70.7	54.7	57.1	53.3	70.8
3:38:18 AM	54.3	55.6	53	68.7	54.3	55.6	53	68.6
3:39:18 AM	54.1	55	53.8	69.2	54.1	55	53.8	69.2
3:40:18 AM	54.1	54.5	53.6	68.7	54.1	54.5	53.7	68.8
3:41:18 AM	54.6	56.7	53.6	69.8	54.6	56.7	53.7	69.9
3:42:18 AM	54.9	56.6	53.9	69.8	54.9	56.6	53.9	69.8
3:43:18 AM	54.4	56	53.5	68.6	54.4	56	53.5	68.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:44:18 AM	54.6	56	53.8	70.2	54.6	56	53.8	70.2
3:45:18 AM	54.7	55.8	53.7	70.1	54.7	55.8	53.7	70.1
3:46:18 AM	54.3	54.9	53.5	69.4	54.3	55	53.6	69.4
3:47:18 AM	54.5	55.2	54.1	69.2	54.5	55.3	54.1	69.2
3:48:18 AM	54.4	55.6	53.4	69.9	54.4	55.6	53.5	70
3:49:18 AM	54.1	54.6	53.8	68.6	54.2	54.7	53.8	68.7
3:50:18 AM	54	54.8	53.5	69.1	54	54.9	53.5	69
3:51:18 AM	54.7	56.9	53.7	70.7	54.7	57	53.7	70.7
3:52:18 AM	53.9	54.8	53.2	68.9	53.9	54.8	53.2	68.9
3:53:18 AM	54.5	56	53.3	68.9	54.5	56.1	53.3	69
3:54:18 AM	54.4	57	53.2	70.5	54.4	57	53.2	70.5
3:55:18 AM	54.5	56.8	53.5	69.6	54.6	56.8	53.5	69.6
3:56:18 AM	54.9	57.5	53.3	70.4	54.9	57.6	53.4	70.4
3:57:18 AM	54.3	55.6	53.3	69.2	54.3	55.6	53.4	69.2
3:58:18 AM	55.7	60.9	53.6	74.2	55.7	60.9	53.6	74.3
3:59:18 AM	53.8	54.7	52.9	68.9	53.8	54.8	53	68.9
4:00:18 AM	53.7	54.4	53.1	67.9	53.7	54.4	53.1	68
4:01:18 AM	58.5	64.8	53.9	78.8	58.6	64.8	53.9	78.8
4:02:18 AM	55.6	57.7	54.1	71.2	55.7	57.7	54.2	71.3
4:03:18 AM	55.6	57.1	54.3	70.5	55.6	57.2	54.3	70.5
4:04:18 AM	54.9	55.9	54	69.9	55	56	54.1	69.9
4:05:18 AM	64.2	76.6	53.9	88.1	64.2	76.7	53.9	88.1
4:06:18 AM	73.5	82.4	56.4	95.6	73.5	82.5	56.4	95.6
4:07:18 AM	57.3	61.1	56.1	73.8	57.4	61.1	56.1	73.8
4:08:18 AM	62.8	66.4	57.9	79.2	62.8	66.5	58	79.2
4:09:18 AM	56	60.3	54	74.3	56	60.3	54	74.3
4:10:18 AM	55.1	56.6	53.6	70.9	55.2	56.6	53.6	70.9
4:11:18 AM	56	57.7	53.6	71.5	56	57.7	53.6	71.5
4:12:18 AM	54.5	55.8	53.4	69.2	54.5	55.8	53.4	69.3
4:13:18 AM	54	54.7	53.3	68.2	54.1	54.7	53.4	68.1
4:14:18 AM	55	56.3	54	69.5	55	56.3	54	69.6
4:15:18 AM	54.4	55	53.9	68.6	54.4	55	53.9	68.7
4:16:18 AM	55	56.3	54	69.6	55	56.3	54	69.6
4:17:18 AM	54.5	55.3	54	69	54.5	55.3	54	69
4:18:18 AM	55.1	55.9	54.3	70.1	55.1	55.9	54.3	70.1
4:19:18 AM	54.6	55.8	53.9	69.5	54.6	55.9	53.9	69.5
4:20:18 AM	55.2	56.7	54.1	70	55.3	56.7	54.1	70.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
4:21:18 AM	55.2	56.9	54.2	70.8	55.2	56.9	54.3	70.9
4:22:18 AM	55.3	56.7	53.6	69.9	55.4	56.7	53.6	69.9
4:23:18 AM	54.9	56.4	53.6	70.7	54.9	56.4	53.7	70.7
4:24:18 AM	54.6	55.6	53.7	69.6	54.6	55.6	53.7	69.6
4:25:18 AM	55.5	58.8	53.7	71.7	55.6	58.8	53.8	71.8
4:26:18 AM	55.5	58.9	53.7	72.5	55.5	58.9	53.8	72.5
4:27:18 AM	54.4	56.5	53.9	69.9	54.5	56.6	53.9	70
4:28:18 AM	55.3	57.5	54.1	74.8	55.4	57.6	54.1	74.8
4:29:18 AM	54.5	55.3	53.7	68.9	54.5	55.3	53.7	68.9
4:30:18 AM	61.2	71.4	54.5	83.6	61.2	71.4	54.5	83.6
4:31:18 AM	55.5	59.1	54.1	72.5	55.6	59.2	54.1	72.5
4:32:18 AM	55.2	57.4	54	70.5	55.3	57.5	54.1	70.5
4:33:18 AM	55.5	59.1	54	72.4	55.5	59.2	54	72.4
4:34:18 AM	55.5	57.1	54.2	70.3	55.5	57.1	54.2	70.2
4:35:18 AM	55.1	56	54.4	69.7	55.1	56	54.4	69.7
4:36:18 AM	56	59.3	54.1	73.1	56.1	59.3	54.1	73.1
4:37:18 AM	55.3	57.7	54.3	73.7	55.4	57.7	54.3	73.7
4:38:18 AM	55.8	57.8	54	71.1	55.8	57.8	54	71.1
4:39:18 AM	54.9	55.9	54.2	69.5	55	55.9	54.2	69.6
4:40:18 AM	56.1	58.8	54	72.8	56.2	58.8	54	72.9
4:41:18 AM	54.6	55.9	53.8	69.4	54.6	55.9	53.9	69.5
4:42:18 AM	56.5	59.3	54.5	72.2	56.5	59.3	54.5	72.2
4:43:18 AM	56.2	58.8	53.8	72.1	56.3	58.8	53.9	72.1
4:44:18 AM	56.4	60.1	54.9	73.6	56.5	60.1	54.9	73.6
4:45:18 AM	55.9	58	54.5	71.6	55.9	58	54.5	71.6
4:46:18 AM	55.3	56.6	54.4	70.2	55.3	56.6	54.4	70.3
4:47:18 AM	55.4	56.6	54.2	70.1	55.4	56.6	54.2	70.1
4:48:18 AM	54.8	55.9	54	69.4	54.8	56	54	69.6
4:49:18 AM	56.8	59.2	54.5	73.3	56.8	59.2	54.5	73.3
4:50:18 AM	55.6	58	54.3	71.2	55.6	58	54.3	71.2
4:51:18 AM	55	56.5	54	69.7	55	56.5	54	69.7
4:52:18 AM	69.2	80.9	53.8	93.2	69.3	80.9	53.8	93.2
4:53:18 AM	72.8	82.9	58.6	95.1	72.9	83	58.6	95.1
4:54:18 AM	58	59.7	56.2	72.2	58	59.7	56.2	72.3
4:55:18 AM	57.5	58.2	56.3	72	57.5	58.2	56.3	72
4:56:18 AM	57.7	58.8	56.8	72.6	57.8	58.8	56.8	72.7
4:57:18 AM	56.2	58.1	54.4	70.7	56.2	58.1	54.4	70.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
4:58:18 AM	54.9	56.2	54.2	69.6	55	56.2	54.3	69.5
4:59:18 AM	55.1	58.2	53.9	71.1	55.1	58.2	53.9	71.2
5:00:18 AM	54.5	57.2	53.4	69.7	54.5	57.2	53.4	69.7
5:01:18 AM	54.5	55.5	53.2	68.5	54.5	55.5	53.3	68.6
5:02:18 AM	56	60.1	54.5	73	56	60.1	54.6	73.1
5:03:18 AM	57	62.7	53.7	74.8	57	62.7	53.7	74.9
5:04:18 AM	55.2	56.3	54	69.6	55.3	56.4	54	69.6
5:05:18 AM	55.8	58.6	53.9	71.6	55.8	58.6	53.9	71.6
5:06:18 AM	55.5	58.4	54	70.9	55.5	58.4	54	70.9
5:07:18 AM	55.1	56.8	53.6	70.2	55.1	56.9	53.6	70.2
5:08:18 AM	54.8	56.2	53.5	70.4	54.8	56.3	53.5	70.5
5:09:18 AM	54.2	55.1	52.4	68.5	54.2	55.1	52.4	68.6
5:10:18 AM	54.3	55.3	53.4	69	54.3	55.3	53.4	69.1
5:11:18 AM	55.9	58.3	54.1	72.1	55.9	58.3	54.1	72.1
5:12:18 AM	55.2	56.3	54.5	69.6	55.2	56.3	54.6	69.7
5:13:18 AM	54.6	55.8	53.9	69.1	54.6	55.8	53.9	69
5:14:18 AM	55.1	56.8	53.6	69.7	55.2	56.9	53.6	69.8
5:15:18 AM	55.6	56.6	54.2	69.9	55.6	56.6	54.2	69.9
5:16:18 AM	54.1	55.3	53.3	68.7	54.1	55.3	53.3	68.7
5:17:18 AM	54.8	56.3	53.9	69.8	54.9	56.3	53.9	69.9
5:18:18 AM	57	59.9	54.1	72.5	57	60	54.2	72.5
5:19:18 AM	54.3	56.3	53	69	54.3	56.3	53	69
5:20:18 AM	55.7	57.4	53.8	71	55.7	57.5	53.8	71.1
5:21:18 AM	55.5	56.9	54	70.5	55.5	57	54	70.4
5:22:18 AM	55.4	56.8	53.3	70.8	55.5	56.8	53.3	70.8
5:23:18 AM	55	57.4	53.5	71	55	57.4	53.5	71.1
5:24:18 AM	55.9	58.1	53.7	72.1	55.9	58.1	53.8	72.1
5:25:18 AM	54.7	57.3	53.8	70.5	54.7	57.3	53.8	70.5
5:26:18 AM	56.1	60.1	53.6	72.6	56.1	60.2	53.7	72.6
5:27:18 AM	61.2	73.5	54.5	85.8	61.2	73.6	54.5	85.8
5:28:18 AM	73.5	81	57.4	94	73.5	81	57.4	94
5:29:18 AM	59.1	61	57.5	74.4	59.1	61	57.5	74.4
5:30:18 AM	60.1	63.8	56.8	77.5	60.1	63.9	56.9	77.5
5:31:18 AM	56	56.8	55.3	70.5	56	56.9	55.3	70.5
5:32:18 AM	56.5	59.6	53.9	72.8	56.5	59.6	53.9	72.8
5:33:18 AM	57	58.2	56	71.2	57.1	58.3	56.1	71.2
5:34:18 AM	55	57.6	53.5	71.2	55	57.7	53.5	71.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
5:35:18 AM	55.1	56.2	53.7	70.2	55.1	56.2	53.7	70.2
5:36:18 AM	57.8	60.1	55.6	73.3	57.8	60.1	55.6	73.5
5:37:18 AM	56.3	60.1	54.4	73.9	56.3	60.1	54.4	73.9
5:38:18 AM	55.5	57.1	54.4	70.3	55.5	57.2	54.4	70.3
5:39:18 AM	57.5	60.8	55.1	72.8	57.5	60.8	55.1	72.8
5:40:18 AM	55.6	57.5	54.5	71.1	55.6	57.5	54.5	71.2
5:41:18 AM	58.1	61.4	55.1	75.4	58.2	61.5	55.2	75.4
5:42:18 AM	58.5	60.2	57.3	75.1	58.5	60.2	57.4	75.1
5:43:18 AM	56.5	59	54.6	73	56.6	59	54.6	73.1
5:44:18 AM	56.4	60.3	54	73.1	56.4	60.4	54.1	73.1
5:45:18 AM	57.8	59.9	55.2	73.5	57.8	59.9	55.3	73.5
5:46:18 AM	58.2	65	55.2	77.1	58.2	65	55.2	77.1
5:47:18 AM	56.1	57.4	55.1	71	56.2	57.4	55.1	71.1
5:48:18 AM	58.4	59.9	56.3	74.1	58.5	59.9	56.3	74.1
5:49:18 AM	58.7	63.5	55.1	77.6	58.7	63.5	55.1	77.6
5:50:18 AM	59.9	70.5	55.8	83.3	59.9	70.5	55.8	83.3
5:51:18 AM	58.5	60.8	55.8	73.9	58.5	60.8	55.8	73.9
5:52:18 AM	57	59.5	54.4	73	57.1	59.5	54.5	73
5:53:18 AM	58.3	60.1	56	74.8	58.3	60.1	56.1	74.8
5:54:18 AM	58.7	61.5	56.7	74.4	58.7	61.5	56.7	74.5
5:55:18 AM	56.6	62	54.5	74.9	56.6	62	54.5	74.9
5:56:18 AM	55.7	57.1	54.7	70.5	55.7	57.1	54.8	70.5
5:57:18 AM	58.8	60.6	57.1	75	58.9	60.6	57.1	75
5:58:18 AM	57.7	60.6	56	73.2	57.7	60.7	56	73.2
5:59:18 AM	57.4	59.1	56	72.4	57.4	59.1	56.1	72.5
6:00:18 AM	58.1	60	55.7	73.4	58.1	60	55.7	73.5
6:01:18 AM	56.2	57.1	55.6	71.4	56.2	57.1	55.6	71.5
6:02:18 AM	60.4	63.5	55.1	76.9	60.4	63.5	55.1	77
6:03:18 AM	61.8	64.1	55.7	78.2	61.8	64.2	55.7	78.2
6:04:18 AM	55.2	55.7	54.9	69.7	55.2	55.8	54.9	69.7
6:05:18 AM	58	60.3	55.3	74	58	60.3	55.4	74
6:06:18 AM	58.4	61.2	56.1	75.8	58.4	61.2	56.2	75.9
6:07:18 AM	57.6	59.9	55.1	72.6	57.7	59.9	55.2	72.6
6:08:18 AM	58.6	59.7	57.5	73.5	58.6	59.7	57.6	73.6
6:09:18 AM	58.5	59.5	57.1	72.8	58.5	59.5	57.2	72.9
6:10:18 AM	58.9	60.4	56.9	74.7	58.9	60.4	56.9	74.7
6:11:18 AM	59.9	61.3	57.6	75.8	59.9	61.3	57.6	75.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
6:12:18 AM	59.6	61.1	58	76.1	59.7	61.1	58	76.1
6:13:18 AM	57.6	58.7	56.2	71.8	57.6	58.7	56.3	71.8
6:14:18 AM	58.4	59.7	56.8	72.9	58.4	59.7	56.8	72.9
6:15:18 AM	59.7	60.7	58.5	74.4	59.7	60.7	58.5	74.5
6:16:18 AM	57.7	58.9	56.4	73.3	57.7	58.9	56.4	73.3
6:17:18 AM	57.8	60.2	56.3	73.9	57.8	60.3	56.3	73.9
6:18:18 AM	60.3	61.6	58.6	75.2	60.3	61.6	58.7	75.2
6:19:18 AM	57.7	59.5	56.3	74	57.7	59.5	56.3	74
6:20:18 AM	65.5	71.5	57.8	87.1	65.6	71.6	57.9	87.1
6:21:18 AM	66.3	72.1	58.3	88	66.4	72.1	58.3	88
6:22:18 AM	64.1	71.5	57.7	86.7	64.1	71.5	57.7	86.7
6:23:18 AM	64.9	71.5	55.8	85.9	64.9	71.5	55.8	85.9
6:24:18 AM	65.2	73.2	57.1	88.1	65.2	73.3	57.1	88.1
6:25:18 AM	63.6	72.1	55.7	87.1	63.6	72.1	55.8	87.1
6:26:18 AM	56.3	58.5	54.9	71.2	56.3	58.5	54.9	71.2
6:27:18 AM	58.8	65.9	56.8	80.1	58.9	66	56.8	80.1
6:28:18 AM	62.5	73.3	56	89.7	62.5	73.3	56	89.7
6:29:18 AM	64.8	71	55.9	85.4	64.8	71	56	85.5
6:30:18 AM	61.8	69.5	56.6	84.5	61.9	69.5	56.7	84.6
6:31:18 AM	60.4	69.4	55	86.3	60.4	69.4	55	86.4
6:32:18 AM	65	69.2	56.7	83.8	65	69.3	56.7	83.8
6:33:18 AM	64.3	69	56.7	84	64.4	69	56.7	84
6:34:18 AM	56.8	59.3	54.9	71.7	56.9	59.3	54.9	71.7
6:35:18 AM	57.2	61.4	54.4	76	57.2	61.4	54.5	75.9
6:36:18 AM	58.1	60.5	56.5	73.6	58.1	60.5	56.5	73.6
6:37:18 AM	56.4	58.5	53.3	72.1	56.4	58.5	53.4	72.2
6:38:18 AM	56.9	59.1	53.5	73.8	56.9	59.2	53.5	73.8
6:39:18 AM	57.9	60.7	56.2	75.2	57.9	60.7	56.2	75.1
6:40:18 AM	57.6	60.1	53.7	73.6	57.6	60.1	53.7	73.7
6:41:18 AM	55.1	57.3	53.5	71	55.1	57.3	53.5	71.1
6:42:18 AM	57.8	59.5	56.3	73.3	57.9	59.6	56.3	73.4
6:43:18 AM	57.2	61.1	54.3	75.6	57.3	61.2	54.3	75.6
6:44:18 AM	56.5	58	53.7	71.6	56.5	58	53.8	71.6
6:45:18 AM	59.9	64.1	56.5	79.9	59.9	64.1	56.5	79.8
6:46:18 AM	55.2	57	54	71	55.2	57	54	71
6:47:18 AM	55.8	56.9	54.6	70.1	55.8	57	54.6	70.1
6:48:18 AM	58.6	60.9	55.3	73.5	58.7	60.9	55.3	73.5

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
6:49:18 AM	57.2	59.4	55.3	74.8	57.3	59.4	55.3	74.8
6:50:18 AM	57	59.6	55.2	76.6	57.1	59.6	55.3	76.7
6:51:18 AM	57.3	59.1	55.3	72.6	57.3	59.2	55.3	72.8
6:52:18 AM	65.6	73.5	56.1	87	65.7	73.5	56.1	87
6:53:18 AM	55.9	58.4	53.3	71.3	55.9	58.4	53.3	71.4
6:54:18 AM	58	61.2	55.9	73.8	58	61.2	55.9	73.8
6:55:18 AM	56.3	58.6	54.6	71.2	56.4	58.6	54.6	71.2
6:56:18 AM	54.4	55.6	53.3	69.1	54.4	55.7	53.4	69.2
6:57:18 AM	58.8	60.3	54.3	73.9	58.8	60.3	54.3	74
6:58:18 AM	56.6	58.8	53.2	72.8	56.6	58.8	53.2	72.8
6:59:18 AM	54.2	56.9	52.6	70	54.2	57	52.6	70
7:00:18 AM	58	59.2	56.8	72.6	58	59.2	56.8	72.7
7:01:18 AM	55.8	58.6	53.6	71.8	55.8	58.6	53.6	71.8
7:02:18 AM	54.9	57.8	53.2	70.9	54.9	57.8	53.2	70.9
7:03:18 AM	57.7	59.1	55.4	72.1	57.7	59.1	55.4	72.1
7:04:18 AM	52.6	55.4	51.1	69	52.6	55.5	51.2	69
7:05:18 AM	54.6	56.7	50.9	69.7	54.7	56.7	50.9	69.8
7:06:18 AM	58.8	64.1	54.7	77.9	58.8	64.1	54.7	77.9
7:07:18 AM	54.4	56.5	51.8	69.6	54.4	56.5	51.8	69.7
7:08:18 AM	55.9	59.8	52.3	74.1	55.9	59.8	52.3	74.1
7:09:18 AM	70.7	79.8	57	92.7	70.8	79.9	57	92.7
7:10:18 AM	56.9	61.5	52.5	74.2	56.9	61.5	52.5	74.2
7:11:18 AM	54.4	56.5	52.4	70.3	54.5	56.6	52.5	70.4
7:12:18 AM	58.2	61.1	53.9	74	58.2	61.1	53.9	74
7:13:18 AM	57.1	59.7	53	72.7	57.1	59.7	53.1	72.7
7:14:18 AM	55.5	59.6	53.4	73.8	55.5	59.6	53.4	73.9
7:15:18 AM	57.5	59.3	56.1	72.6	57.5	59.3	56.1	72.7
7:16:18 AM	55.6	57.9	51.5	71	55.6	57.9	51.6	71
7:17:18 AM	52.7	54.8	50.9	67.1	52.7	54.8	50.9	67.2
7:18:18 AM	56.6	58.7	54.6	72.8	56.6	58.7	54.6	72.9
7:19:18 AM	55	58.8	52.3	70.5	55	58.8	52.3	70.6
7:20:18 AM	55	57.5	51.9	71.3	55	57.5	51.9	71.3
7:21:18 AM	57.2	59.7	54.5	74	57.2	59.8	54.5	74.1
7:22:18 AM	55.7	59.1	52.6	71.9	55.7	59.1	52.6	72
7:23:18 AM	55.3	57.9	52.4	70.7	55.3	57.9	52.4	70.8
7:24:18 AM	58.1	60.4	53.8	74.2	58.1	60.4	53.8	74.2
7:25:18 AM	56.1	57.9	52.5	71.6	56.2	58	52.5	71.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7:26:18 AM	53.6	56.1	51	70.1	53.7	56.2	51.1	70.1
7:27:18 AM	59.1	64.7	54.7	77.2	59.2	64.7	54.8	77.3
7:28:18 AM	55.5	60.1	53.4	72.7	55.5	60.1	53.4	72.8
7:29:18 AM	55.8	60.3	53.8	74.6	55.9	60.3	53.8	74.6
7:30:18 AM	57.3	60.8	53.9	74.1	57.3	60.9	53.9	74.1
7:31:18 AM	57.3	61.2	51.6	73.6	57.4	61.2	51.7	73.6
7:32:18 AM	54	56.5	52.1	70	54	56.5	52.1	69.9
7:33:18 AM	57.2	60	54.5	73.1	57.2	60	54.5	73.1
7:34:18 AM	57.6	64	52.1	74.7	57.6	64	52.1	74.7
7:35:18 AM	56.6	59.7	53	72.4	56.7	59.7	53.1	72.4
7:36:18 AM	58.5	61.6	55.4	75	58.5	61.6	55.5	75
7:37:18 AM	55.8	57.1	52.2	70.2	55.9	57.1	52.3	70.3
7:38:18 AM	54.7	56.9	52.2	69.5	54.7	56.9	52.2	69.6
7:39:18 AM	57.6	60.4	55.1	73.7	57.7	60.5	55.1	73.8
7:40:18 AM	58.9	68.8	54.9	85.5	58.9	68.8	54.9	85.5
7:41:18 AM	60	71.6	53.5	89.2	60	71.7	53.5	89.2
7:42:18 AM	58.3	63.4	56.5	78	58.4	63.4	56.5	78.1
7:43:18 AM	57.9	63.4	52.5	79.6	57.9	63.4	52.6	79.7
7:44:18 AM	55.3	58.4	53.5	71.5	55.3	58.5	53.5	71.6
7:45:18 AM	56.5	58.5	54.5	72.2	56.6	58.5	54.6	72.2
7:46:18 AM	55.9	57.5	54.1	71.6	56	57.5	54.1	71.6
7:47:18 AM	55.5	58	53.4	70.3	55.6	58	53.4	70.3
7:48:18 AM	57.9	61.5	55.4	73.8	57.9	61.5	55.4	73.8
7:49:18 AM	56.2	58.7	53.6	71.5	56.2	58.7	53.6	71.6
7:50:18 AM	53.9	54.9	52.4	68.8	53.9	54.9	52.4	68.8
7:51:18 AM	58.8	63.1	54.2	75.8	58.9	63.1	54.2	75.9
7:52:18 AM	61.1	71.5	52.9	85.9	61.1	71.5	52.9	85.9
7:53:18 AM	54.5	57.2	52.1	70.2	54.6	57.2	52.1	70.2
7:54:18 AM	57	59.2	55.7	72.3	57	59.2	55.8	72.4
7:55:18 AM	55.2	57.8	51.9	70.6	55.3	57.8	51.9	70.6
7:56:18 AM	56.1	60.7	51.9	73.8	56.2	60.7	51.9	73.7
7:57:18 AM	57	60	53.8	72.1	57.1	60	53.9	72.2
7:58:18 AM	56.2	59	52	72.6	56.2	59.1	52	72.6
7:59:18 AM	55.5	57.8	53.5	70.6	55.5	57.8	53.6	70.5
8:00:18 AM	55.9	59.3	53.9	71.4	56	59.3	53.9	71.3
8:01:18 AM	55.8	59.8	52.8	71.3	55.9	59.8	52.8	71.3
8:02:18 AM	70.4	81	51.4	93.8	70.4	81	51.4	93.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
8:03:18 AM	68.1	80.1	58.1	90.8	68.1	80.1	58.1	90.8
8:04:18 AM	60.6	63.4	57.7	76.2	60.6	63.4	57.7	76.2
8:05:18 AM	59.1	60.9	57.8	79.6	59.2	60.9	57.8	79.6
8:06:18 AM	58.4	59.9	56.5	73.7	58.4	59.9	56.6	73.7
8:07:18 AM	55.4	57.7	52	70.7	55.5	57.7	52	70.7
8:08:18 AM	54.6	57.1	52.8	69.6	54.6	57.1	52.9	69.6
8:09:18 AM	57.1	59	55.6	71.8	57.1	59.1	55.6	71.8
8:10:18 AM	57.3	61.4	52.1	75.6	57.4	61.5	52.1	75.6
8:11:18 AM	53.4	58.3	50.1	71.7	53.4	58.3	50.1	71.8
8:12:18 AM	57.6	62.5	55.2	77.4	57.6	62.6	55.2	77.5
8:13:18 AM	54.7	57.3	50.8	70.5	54.8	57.3	50.8	70.6
8:14:18 AM	56.3	59.4	50.7	72.2	56.4	59.4	50.8	72.2
8:15:18 AM	56.8	58.3	55.1	71.6	56.9	58.3	55.1	71.8
8:16:18 AM	57.7	62	54.8	76.6	57.8	62	54.9	76.6
8:17:18 AM	62.3	67.4	54.1	81.6	62.3	67.4	54.1	81.6
8:18:18 AM	56.3	58.1	54	70.8	56.4	58.1	54	70.8
8:19:18 AM	55.3	58.2	51.5	71	55.3	58.2	51.6	71
8:20:18 AM	53.9	56.4	51.8	69.7	53.9	56.4	51.8	69.7
8:21:18 AM	56.9	59.1	54.3	72.5	57	59.1	54.3	72.6
8:22:18 AM	62.9	70.4	52.1	87.4	62.9	70.4	52.1	87.4
8:23:18 AM	55.1	58.4	51.5	72.9	55.1	58.4	51.5	73
8:24:18 AM	56.8	58.7	54.7	71.7	56.9	58.8	54.7	71.7
8:25:18 AM	55.2	59.2	52.2	73.5	55.2	59.2	52.3	73.5
8:26:18 AM	55.1	57.5	50.2	70.5	55.1	57.5	50.3	70.4
8:27:18 AM	56.6	58.1	54.6	76.1	56.6	58.2	54.6	76.1
8:28:18 AM	70	81.3	51.8	94.2	70.1	81.4	51.9	94.2
8:29:18 AM	54.1	58.1	51.3	71.1	54.1	58.2	51.3	71.1
8:30:18 AM	54.8	56	53	69	54.9	56	53	68.9
8:31:18 AM	55.4	59.3	52.2	71.8	55.4	59.3	52.2	71.9
8:32:18 AM	53.7	57.5	49	70.5	53.7	57.5	49	70.6
8:33:18 AM	56.7	59.6	53.8	72.8	56.7	59.6	53.8	72.9
8:34:18 AM	54.1	57	51	70.5	54.1	57.1	51	70.5
8:35:18 AM	55.7	59.8	52.8	82.4	55.7	59.8	52.8	82.4
8:36:18 AM	58.8	61.9	55	81.9	58.8	61.9	55	81.9
8:37:18 AM	54.1	57.3	50.3	72.8	54.1	57.3	50.4	72.8
8:38:18 AM	53.9	57.7	49.9	71.2	53.9	57.7	49.9	71.3
8:39:18 AM	55.8	57.3	53.3	70.2	55.8	57.4	53.3	70.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
8:40:18 AM	54.1	56.7	51.3	69.3	54.1	56.7	51.3	69.4
8:41:18 AM	56.3	58.6	52.2	71.9	56.3	58.6	52.2	71.9
8:42:18 AM	58.3	60.9	55.1	73.2	58.3	60.9	55.1	73.2
8:43:18 AM	55.7	60.5	52.6	83.3	55.8	60.5	52.6	83.3
8:44:18 AM	53.5	55.5	51	68.6	53.6	55.5	51	68.6
8:45:18 AM	60.3	68.3	52.7	80.6	60.3	68.4	52.8	80.6
8:46:18 AM	54.7	56.7	52	70.1	54.7	56.7	52	70.1
8:47:18 AM	55.7	58.9	53.5	71.8	55.7	59	53.6	71.9
8:48:18 AM	63.4	71	55.3	86.9	63.4	71	55.4	86.9
8:49:18 AM	62.7	71.1	52.1	85.7	62.8	71.2	52.2	85.8
8:50:18 AM	53.9	56.3	51	69.5	54	56.3	51.1	69.5
8:51:18 AM	57.1	58.5	55.3	71	57.1	58.5	55.4	71
8:52:18 AM	53.9	59.3	49.3	74.6	54	59.3	49.3	74.5
8:53:18 AM	54	57.3	51.6	71.7	54	57.4	51.6	71.7
8:54:18 AM	57	59.7	52.9	73.7	57	59.7	53	73.8
8:55:18 AM	54.8	56.5	52.7	70.1	54.8	56.5	52.7	70.1
8:56:18 AM	52.2	56.4	49.5	70.9	52.2	56.4	49.5	70.8
8:57:18 AM	57.5	60.1	52	74.6	57.5	60.1	52	74.6
8:58:18 AM	54.4	59.6	51.2	70.9	54.5	59.6	51.3	70.9
8:59:18 AM	53.7	56	50.9	69.5	53.7	56	50.9	69.5
9:00:18 AM	57.3	60.8	54.8	77.9	57.3	60.8	54.8	77.9
9:01:18 AM	54	56.1	50.6	74.3	54	56.1	50.7	74.3
9:02:18 AM	56.3	58.9	51.8	72.3	56.3	58.9	51.9	72.3
9:03:18 AM	58.1	62.6	55.6	82.1	58.1	62.6	55.6	82.1
9:04:18 AM	55.7	60	53.3	74.3	55.7	60	53.3	74.3
9:05:18 AM	57.3	61.4	53.7	77.2	57.3	61.4	53.7	77.2
9:06:18 AM	56.9	59.5	53.9	72.8	57	59.5	53.9	72.8
9:07:18 AM	57.7	62.3	55.2	85.4	57.8	62.3	55.2	85.4
9:08:18 AM	58.7	61.9	56.1	76.7	58.7	61.9	56.1	76.7
9:09:18 AM	57.4	61.7	55.6	75.3	57.4	61.8	55.6	75.4
9:10:18 AM	58.6	60.8	55.8	75.1	58.7	60.8	55.8	75.1
9:11:18 AM	58.3	60.4	56	74.7	58.3	60.4	56.1	74.7
9:12:18 AM	58.1	61.1	55.8	73.5	58.1	61.2	55.8	73.6
9:13:18 AM	58	60.8	56.3	75.2	58	60.8	56.4	75.3
9:14:18 AM	57.2	59	55.5	72.9	57.3	59.1	55.6	72.9
9:15:18 AM	58.2	59.9	56.3	74	58.2	59.9	56.3	74
9:16:18 AM	56.5	60.7	55.4	75.7	56.5	60.8	55.5	75.7

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:17:18 AM	58.3	62.5	56.1	77.1	58.3	62.5	56.2	77.1
9:18:18 AM	57.8	60.9	54.7	80.7	57.8	60.9	54.7	80.8
9:19:18 AM	58.7	60.6	55.9	73.3	58.8	60.6	55.9	73.4
9:20:18 AM	57.3	61.6	54.4	77.7	57.3	61.7	54.4	77.7
9:21:18 AM	56.5	64.2	53.3	80.4	56.5	64.2	53.3	80.4
9:22:18 AM	58.1	61.8	55.4	75.9	58.1	61.8	55.4	75.9
9:23:18 AM	55.2	60.1	50.9	74	55.2	60.1	50.9	74
9:24:18 AM	56.5	60.4	54.4	73.2	56.5	60.4	54.5	73.2
9:25:18 AM	56.6	60.8	52.7	73.6	56.6	60.8	52.8	73.6
9:26:18 AM	56.1	59.7	51.9	72.9	56.1	59.7	52	72.9
9:27:18 AM	56.5	59.4	53.5	72.9	56.6	59.4	53.6	73
9:28:18 AM	53.4	56.3	50.5	68	53.4	56.4	50.6	68
9:29:18 AM	55.7	58.7	53.5	72.1	55.7	58.7	53.5	72.1
9:30:18 AM	56.1	59.9	52.8	73.6	56.1	59.9	52.8	73.6
9:31:18 AM	60.1	63.7	52.4	77.6	60.1	63.7	52.4	77.6
9:32:18 AM	61.8	67.1	54	82.2	61.9	67.1	54	82.2
9:33:18 AM	58.4	63.2	53.4	76.6	58.4	63.3	53.4	76.7
9:34:18 AM	59.7	64	57.3	77.8	59.8	64.1	57.4	77.9
9:35:18 AM	56.2	58.9	52.3	71.2	56.3	59	52.3	71.3
9:36:18 AM	58.9	61.5	56	75	58.9	61.6	56	75
9:37:18 AM	55.2	58.6	51.9	72.3	55.2	58.6	52	72.4
9:38:18 AM	57.6	61.2	52.6	74	57.6	61.2	52.6	74
9:39:18 AM	53.9	58.3	50.8	68.8	53.9	58.3	50.8	68.9
9:40:18 AM	55	61.5	50.3	75.4	55	61.5	50.3	75.5
9:41:18 AM	56.2	60.3	53.1	72.3	56.2	60.3	53.1	72.3
9:42:18 AM	56.2	59.9	50.6	74.3	56.2	59.9	50.6	74.3
9:43:18 AM	55.7	57.9	53.8	86.5	55.8	58	53.8	86.5
9:44:18 AM	55.5	58.9	52.4	81.1	55.6	58.9	52.4	81.1
9:45:18 AM	58.7	62.5	54.4	76.8	58.7	62.5	54.4	76.8
9:46:18 AM	57.7	62.3	52.9	77.6	57.8	62.4	53	77.7
9:47:18 AM	56.9	60.1	53.7	74.7	56.9	60.1	53.7	74.6
9:48:18 AM	59.4	61	54.8	75.2	59.4	61.1	54.8	75.2
9:49:18 AM	56.5	62.7	52	76.8	56.5	62.7	52	76.8
9:50:18 AM	59.8	65.5	53.6	79.4	59.8	65.5	53.6	79.4
9:51:18 AM	56.3	63.7	51.7	76.5	56.3	63.8	51.7	76.5
9:52:18 AM	58	61.9	54.3	75.5	58	62	54.4	75.5
9:53:18 AM	56.6	60.9	52.6	75	56.6	60.9	52.6	75.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:54:18 AM	58.8	64.6	53.1	78.8	58.9	64.6	53.2	78.8
9:55:18 AM	67.7	79.8	54.8	101.4	67.7	79.8	54.8	101.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Location M2: Session Report #1

Meter No. 22252
Session No. S042
Start: 0907 on 7/21/2021
End: 1641 on 7/21/2021

Information Panel

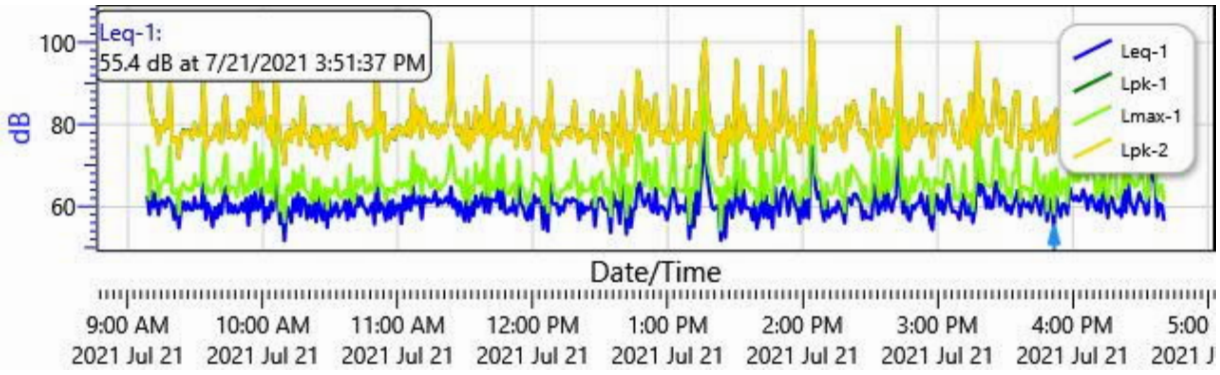
Name	S042_BLM090004_23072021_112805
Start Time	7/21/2021 9:07:37 AM
Stop Time	7/21/2021 4:41:01 PM
Device Name	BLM090004
Model Type	SoundPro DL
Device Firmware Rev	R.13H
Comments	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	63.4 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	SLOW	Bandwidth	1	OFF
Exchange Rate	2	3 dB	Weighting	2	A
Response	2	SLOW			

Logged Data Chart

S042_BLM090004_23072021_112805: Logged Data Chart



Logged Data Table

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7/21/2021	62.7	75	55.2	106.4	62.6	75	55.2	106.3

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:08:37 AM								
9:09:37 AM	58.2	61.9	55.3	86.5	58.2	61.8	55.2	86.4
9:10:37 AM	63.9	69	58.9	83	63.8	69	58.9	82.9
9:11:37 AM	59.9	69	52.4	79.9	59.8	69	52.2	79.8
9:12:37 AM	63.3	67.6	55.6	80.9	63.3	67.5	55.5	80.8
9:13:37 AM	58.1	61.8	53.3	75.3	58.1	61.8	53.2	75.1
9:14:37 AM	61.6	65.4	53.7	79.7	61.6	65.4	53.7	79.6
9:15:37 AM	61.4	66.1	56	78.2	61.4	66	56	78.2
9:16:37 AM	59.9	66.9	55.6	81.1	59.9	66.9	55.6	80.9
9:17:37 AM	62.3	66	57.2	79.3	62.3	66	57.1	79.5
9:18:37 AM	61.6	74.8	53.8	90.3	61.6	74.7	53.8	90.3
9:19:37 AM	60.4	63.4	56.6	75.9	60.3	63.3	56.6	75.7
9:20:37 AM	57	63.3	51.4	76.6	57	63.2	51.4	76.5
9:21:37 AM	60.5	64.3	53.6	76.7	60.4	64.3	53.5	76.7
9:22:37 AM	54.9	58.3	51.3	71.9	54.8	58.3	51.1	71.9
9:23:37 AM	59.5	64.5	52.9	77.2	59.4	64.4	52.8	77.2
9:24:37 AM	61.3	65.8	52.9	78.7	61.2	65.8	52.8	78.3
9:25:37 AM	59.2	64.7	52.2	77.7	59.2	64.7	52.2	77.6
9:26:37 AM	61.1	64	58.2	78.7	61	63.9	58.1	78.4
9:27:37 AM	59.4	64.8	54.6	78.2	59.3	64.8	54.5	78.1
9:28:37 AM	59.2	63.8	54.5	76.5	59.2	63.8	54.5	76.5
9:29:37 AM	62.4	67.9	53	80.4	62.4	67.8	53	80.4
9:30:37 AM	59.6	65.2	53.6	77.8	59.6	65.1	53.6	77.7
9:31:37 AM	60.5	65.1	54.8	77.3	60.4	65.1	54.7	77.2
9:32:37 AM	59.7	66.4	51.7	78.5	59.7	66.3	51.5	78.3
9:33:37 AM	66.6	75.5	58.6	92.2	66.6	75.4	58.6	92.1
9:34:37 AM	57	63.2	52.5	74	57	63.1	52.4	74
9:35:37 AM	60.9	64.9	52.7	77	60.8	64.9	52.6	77
9:36:37 AM	58.9	63.8	51.9	76.4	58.9	63.7	51.8	76.5
9:37:37 AM	55.2	63.3	51.1	76.8	55.1	63.2	51	76.8
9:38:37 AM	59.9	64.9	51.6	78.2	59.8	64.9	51.5	78.1
9:39:37 AM	57.3	66.8	52.5	80.2	57.2	66.8	52.5	80.2
9:40:37 AM	60.6	66.8	57	76.1	60.5	66.7	56.9	76.1
9:41:37 AM	58.2	63.3	51.8	75.7	58.1	63.2	51.7	75.5
9:42:37 AM	63.4	70.3	57.4	84.9	63.3	70.2	57.4	84.8
9:43:37 AM	64.8	72.9	55.2	86.8	64.7	72.9	55.1	86.6
9:44:37 AM	58.6	63.3	52.6	76.8	58.6	63.2	52.5	76.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:45:37 AM	60.7	64.8	51.4	77.6	60.7	64.8	51.3	77.5
9:46:37 AM	58.6	64.8	52.2	77.8	58.5	64.7	52.1	78
9:47:37 AM	60.4	64.4	55.6	76.6	60.4	64.4	55.5	76.6
9:48:37 AM	58.5	62.3	53.4	76.9	58.5	62.2	53.3	76.9
9:49:37 AM	59.1	67.8	52.2	80.8	59	67.7	52.1	80.9
9:50:37 AM	61	68.3	52.2	80.8	60.9	68.2	52.1	80.7
9:51:37 AM	58.9	63.1	54.3	75.9	58.9	63.1	54.1	75.6
9:52:37 AM	62.1	65.5	54	78.5	62.1	65.5	53.9	78.3
9:53:37 AM	55.6	63.7	51.1	84	55.5	63.7	51.1	83.8
9:54:37 AM	62.7	68.9	56.7	81.9	62.6	68.8	56.6	81.8
9:55:37 AM	59.1	64.7	52.4	80.2	59	64.6	52.2	80.3
9:56:37 AM	63.6	75.5	55.1	105.5	63.5	75.4	55.1	105.4
9:57:37 AM	59.2	63.7	51.4	79.3	59.1	63.7	51.3	79.4
9:58:37 AM	60.2	69.1	51.5	82.4	60.2	69	51.5	82.4
9:59:37 AM	64.6	72.9	55.9	87.9	64.6	72.9	55.8	87.9
10:00:37 AM	56.3	63	52.5	80	56.2	62.9	52.4	79.9
10:01:37 AM	59.8	65.8	55.2	79.9	59.8	65.7	55.1	79.9
10:02:37 AM	57.3	63.5	52.5	77.1	57.2	63.5	52.4	77
10:03:37 AM	61.4	69	52.6	82	61.4	68.9	52.6	81.9
10:04:37 AM	59.1	61.8	55.4	74.8	59	61.7	55.3	75
10:05:37 AM	67.4	77.6	52.4	95.3	67.3	77.5	52.2	95.3
10:06:37 AM	62.7	67.4	53.6	82.2	62.7	67.3	53.5	82.1
10:07:37 AM	55.9	59.1	50.9	76.1	55.8	59	50.8	76.3
10:08:37 AM	59.6	62.6	51.9	75.7	59.5	62.5	51.8	75.6
10:09:37 AM	51.8	56.4	48.2	70.3	51.7	56.3	48.1	70.4
10:10:37 AM	60.1	64.7	52.1	78	60.1	64.6	52	78.1
10:11:37 AM	58.7	65.3	49	78.6	58.7	65.3	48.7	78.5
10:12:37 AM	56.2	62.9	49.6	75.9	56.1	62.9	49.5	75.9
10:13:37 AM	62	68.6	57.9	81.1	61.9	68.5	57.8	81
10:14:37 AM	58.9	63.6	52.2	77.7	58.9	63.6	52.1	77.7
10:15:37 AM	63.4	67.7	57.2	79.3	63.4	67.7	57	79.2
10:16:37 AM	57.8	64.5	51	75.1	57.7	64.5	50.9	74.8
10:17:37 AM	62.2	69.9	51.3	86.7	62.1	69.8	51.1	86.6
10:18:37 AM	61.6	64.4	53.4	78.6	61.6	64.3	53.4	78.8
10:19:37 AM	57.1	63.6	53	76.7	57	63.6	52.9	76.8
10:20:37 AM	60.5	63	53.4	76.7	60.5	63	53.3	76.4
10:21:37 AM	57.5	60.9	53.4	74.8	57.5	60.9	53.3	75.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
10:22:37 AM	61.9	66.8	56.2	79.6	61.9	66.8	56.1	79.5
10:23:37 AM	56.4	61.6	53.2	73	56.3	61.6	53.2	73.1
10:24:37 AM	62.8	66.9	56.1	79.3	62.7	66.9	56.1	79.1
10:25:37 AM	58.3	62.7	51.6	75.4	58.2	62.6	51.5	75.4
10:26:37 AM	56.8	61.4	52.1	75.6	56.7	61.4	52	75.6
10:27:37 AM	61.3	64.8	58.5	77.9	61.2	64.8	58.4	77.9
10:28:37 AM	55	59.5	51.8	71.9	54.9	59.5	51.7	71.8
10:29:37 AM	61.6	64.4	58.4	79.7	61.5	64.4	58.4	79.7
10:30:37 AM	57.7	63.4	48.3	76.3	57.7	63.3	48.2	76.4
10:31:37 AM	59.3	63.6	51.5	76.9	59.3	63.6	51.4	76.9
10:32:37 AM	61	67.1	57	79.1	60.9	67	56.9	79.1
10:33:37 AM	57.6	62.7	52.5	75.5	57.5	62.7	52.5	75.6
10:34:37 AM	59	61.9	54.1	74.9	59	61.9	54	75
10:35:37 AM	59.3	63.6	53.3	76.4	59.2	63.6	53.2	76.1
10:36:37 AM	61.5	64.1	58.3	77	61.5	64.1	58.2	77.1
10:37:37 AM	56.9	62.3	51.6	74.2	56.8	62.2	51.5	74.5
10:38:37 AM	61.8	70.3	54.3	85.3	61.7	70.3	54.1	85.3
10:39:37 AM	57.8	61.9	50.7	74.9	57.7	61.9	50.6	74.6
10:40:37 AM	57.7	61	54.1	74.6	57.7	61	54.1	74.4
10:41:37 AM	63	66.8	53.3	80	63	66.7	53.2	79.8
10:42:37 AM	60.2	64.8	52.8	80	60.1	64.7	52.7	80
10:43:37 AM	62.4	66.5	55.4	80.6	62.4	66.4	55.3	80.5
10:44:37 AM	60.3	67.3	51.9	79.2	60.3	67.2	51.9	79.2
10:45:37 AM	59.4	63.5	51.9	78.2	59.4	63.5	51.8	77.9
10:46:37 AM	58.1	63.3	50.9	76.8	58.1	63.3	50.8	76.5
10:47:37 AM	59.6	65.6	51.8	78.9	59.5	65.5	51.7	79
10:48:37 AM	60.9	64.3	54.7	77.5	60.8	64.3	54.6	77.5
10:49:37 AM	55.8	63.7	49.6	79.1	55.7	63.7	49.5	79
10:50:37 AM	68.2	80.1	59.9	96.9	68.1	80.1	59.8	96.8
10:51:37 AM	58.8	65.2	53.9	78	58.8	65.2	53.9	77.9
10:52:37 AM	60.9	65.8	56.1	78.9	60.8	65.8	56	78.8
10:53:37 AM	59.4	64.5	52.9	82.9	59.3	64.4	52.8	82.8
10:54:37 AM	56.7	61.1	50.6	73.7	56.6	61	50.3	73.8
10:55:37 AM	61.4	64.6	58.2	76.7	61.4	64.5	58.2	76.7
10:56:37 AM	57.2	63.9	52	76.7	57.2	63.8	51.9	76.8
10:57:37 AM	61.6	64.5	56.3	78.8	61.5	64.4	56.2	78.6
10:58:37 AM	58	63.2	53	76.4	58	63.2	52.9	76.7

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
10:59:37 AM	60.3	66.3	54	79.4	60.3	66.2	53.9	79.5
11:00:37 AM	60.6	65.8	54.6	79.7	60.5	65.8	54.6	79.6
11:01:37 AM	56	64.6	51.4	77.6	55.9	64.6	51.3	77.6
11:02:37 AM	62.7	66	58.2	79	62.7	65.9	58.2	79.1
11:03:37 AM	59.3	65.2	54.5	77.5	59.2	65.1	54.5	77.8
11:04:37 AM	62.3	66.2	54.4	80.9	62.3	66.2	54.4	80.7
11:05:37 AM	59.2	63.4	53.7	77.1	59.2	63.3	53.7	77.2
11:06:37 AM	64.9	73.5	59.2	88.4	64.9	73.4	59.2	88.3
11:07:37 AM	60.8	65.7	55.8	78.5	60.7	65.6	55.8	78.2
11:08:37 AM	60.9	70.2	52.6	84	60.9	70.2	52.6	83.9
11:09:37 AM	62.6	69.2	56.7	82.8	62.5	69.1	56.6	82.6
11:10:37 AM	57.1	62.9	54.5	76.7	57	62.8	54.4	76.8
11:11:37 AM	62.7	69.3	54.7	83.9	62.7	69.2	54.7	83.8
11:12:37 AM	61.1	67	53	79.9	61.1	66.9	52.9	79.8
11:13:37 AM	62	66.3	54	79.9	62	66.2	53.9	79.7
11:14:37 AM	61.1	64.6	56	78.1	61	64.5	56	78.1
11:15:37 AM	61.6	65.3	57.5	78.3	61.6	65.2	57.5	78.2
11:16:37 AM	63.9	67.3	58.2	80.6	63.9	67.2	58.1	80.5
11:17:37 AM	60.3	64.4	55	76.8	60.3	64.3	54.9	76.8
11:18:37 AM	61.9	64	58.3	77.4	61.9	64	58.3	77.4
11:19:37 AM	60.9	65.4	56.5	79.8	60.8	65.4	56.4	79.8
11:20:37 AM	61.4	65.4	56.6	78.1	61.4	65.3	56.6	78.1
11:21:37 AM	62.4	67	53.9	79.7	62.3	66.9	53.8	79.8
11:22:37 AM	60.8	69.3	51.4	83.8	60.7	69.3	51.3	83.7
11:23:37 AM	64.8	74.9	56.6	99.5	64.8	74.8	56.5	99.5
11:24:37 AM	59.9	71.2	52.7	85.7	59.9	71.1	52.6	85.6
11:25:37 AM	61.9	66.2	57.8	79.3	61.9	66.2	57.7	79
11:26:37 AM	58	65.6	53.9	77.6	58	65.5	53.9	77.9
11:27:37 AM	61.2	66.7	53.7	79.4	61.1	66.6	53.7	79.4
11:28:37 AM	58.8	64	53.6	75.9	58.8	63.9	53.5	76
11:29:37 AM	56.6	61.8	49.9	75.2	56.6	61.7	49.8	75.3
11:30:37 AM	63.4	69.3	55.4	83	63.3	69.3	55.3	82.9
11:31:37 AM	56.5	60.7	49.2	74.1	56.4	60.6	49.1	73.7
11:32:37 AM	61.2	65.2	52.5	78.9	61.2	65.2	52.4	78.5
11:33:37 AM	57.9	63.4	52.1	76	57.9	63.4	52	75.9
11:34:37 AM	62.7	70.7	52.7	84.3	62.6	70.6	52.6	84.3
11:35:37 AM	60	65.8	50.8	77.9	60	65.8	50.7	77.7

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
11:36:37 AM	61.1	65.7	54.7	79.8	61	65.6	54.7	79.4
11:37:37 AM	63.4	68.9	55.5	82.5	63.3	68.8	55.4	82.5
11:38:37 AM	58.7	62.8	55	77.6	58.6	62.7	54.8	77.4
11:39:37 AM	66.7	76.9	56.4	91.6	66.7	76.8	56.3	91.6
11:40:37 AM	58.6	62.7	54.5	75.2	58.5	62.7	54.4	75.2
11:41:37 AM	61.9	66.2	55	80.5	61.9	66.2	54.9	80.6
11:42:37 AM	61.6	64.1	57.7	77.2	61.5	64.1	57.7	77.1
11:43:37 AM	61.3	64.6	58.6	77.3	61.2	64.6	58.5	77.3
11:44:37 AM	64.5	70.6	55.2	83.6	64.4	70.6	55.1	83.6
11:45:37 AM	59.5	64.4	53.9	78.1	59.4	64.4	53.8	78.1
11:46:37 AM	64.6	72.5	56.8	85.2	64.6	72.5	56.7	85.2
11:47:37 AM	58.6	64.1	52.7	77	58.5	64.1	52.6	76.8
11:48:37 AM	58.4	63.1	49.7	76.9	58.3	63.1	49.6	76.6
11:49:37 AM	59.7	63.1	54.8	77.5	59.7	63	54.8	77.6
11:50:37 AM	58.9	65.3	54.7	77.1	58.9	65.2	54.6	77.3
11:51:37 AM	62	65.8	57.7	79	61.9	65.7	57.6	78.9
11:52:37 AM	58	61	54.3	74.4	57.9	60.9	54.3	74.2
11:53:37 AM	65.5	71.5	55.6	83.7	65.5	71.5	55.5	83.7
11:54:37 AM	60.8	66.5	55.2	80.1	60.8	66.5	55.2	80.3
11:55:37 AM	60	64.6	53.8	78.2	59.9	64.6	53.7	78.1
11:56:37 AM	57.8	62.6	49.8	75.4	57.7	62.5	49.7	75
11:57:37 AM	56.8	60.6	48.2	74.2	56.7	60.5	48.1	74.2
11:58:37 AM	60.7	63.6	50.6	77.8	60.7	63.5	50.3	77.8
11:59:37 AM	57.1	64	51.4	79.1	57.1	64	51.3	78.8
12:00:37 PM	62.9	68.2	51.9	81.6	62.8	68.1	51.8	81.6
12:01:37 PM	61	66.9	53.6	81.3	60.9	66.8	53.5	81.2
12:02:37 PM	62	66.6	53.8	79.7	61.9	66.5	53.7	79.8
12:03:37 PM	61	66.1	54.9	78.9	61	66	54.8	78.8
12:04:37 PM	54.7	60.6	50.2	73.7	54.6	60.5	50.2	73.4
12:05:37 PM	64	67.3	57.6	80.9	64	67.3	57.6	80.8
12:06:37 PM	54.1	58.8	50.6	73	54	58.7	50.5	72.9
12:07:37 PM	66	74.6	53.6	90.5	65.9	74.5	53.5	90.5
12:08:37 PM	61.1	67.4	53.6	81.1	61	67.3	53.5	81
12:09:37 PM	60.6	63.7	53.7	76.8	60.6	63.7	53.6	76.9
12:10:37 PM	60.9	62.5	56.3	76.3	60.8	62.5	56.3	76
12:11:37 PM	58.1	61.7	52.2	75.1	58	61.7	52.1	75
12:12:37 PM	60.1	64.1	54.5	77.4	60	64	54.4	77

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
12:13:37 PM	59	63.9	52.1	78.3	59	63.9	52	78.3
12:14:37 PM	61.9	64.7	52.1	77.7	61.8	64.7	52	77.7
12:15:37 PM	61.7	65.9	55.8	79.2	61.6	65.9	55.6	79
12:16:37 PM	60.9	64.4	54.1	76.9	60.9	64.3	54	76.6
12:17:37 PM	62.1	67	54.7	80.2	62.1	67	54.6	80.1
12:18:37 PM	61.5	71.3	52.9	85.7	61.4	71.2	52.8	85.6
12:19:37 PM	61.6	65.1	55	78.2	61.6	65.1	55	78.1
12:20:37 PM	56.9	62	51.3	75.6	56.9	62	51.1	75.4
12:21:37 PM	61	65.8	55.6	78.6	60.9	65.7	55.5	78.4
12:22:37 PM	58.4	63.8	51.7	76.7	58.4	63.8	51.6	76.6
12:23:37 PM	60.1	63.9	55.8	77.1	60.1	63.9	55.8	77.1
12:24:37 PM	59.3	64.1	54.7	77.6	59.2	64.1	54.6	77.5
12:25:37 PM	59.9	64.3	50.6	76.8	59.8	64.3	50.5	76.9
12:26:37 PM	61.7	67.1	55.1	83.2	61.6	67	55.1	83
12:27:37 PM	55.3	60.1	49.5	73.1	55.2	60	49.4	73.1
12:28:37 PM	61.4	66.7	53.3	79.3	61.4	66.7	53.3	79.2
12:29:37 PM	62.1	67.4	51.7	80	62.1	67.4	51.5	80.2
12:30:37 PM	61.9	68.5	53.6	82.2	61.9	68.4	53.5	82.2
12:31:37 PM	59.7	62.8	54.5	76.7	59.7	62.8	54.5	76.4
12:32:37 PM	59.3	64.6	49.6	77.8	59.3	64.5	49.6	77.5
12:33:37 PM	59.4	63.6	54.4	74.9	59.4	63.6	54.3	74.8
12:34:37 PM	53.8	57.8	49.9	70.4	53.8	57.7	49.8	70.1
12:35:37 PM	63.7	70.4	55.2	82.8	63.7	70.3	55.1	82.8
12:36:37 PM	60.2	67	53.9	80.1	60.2	67	53.8	79.9
12:37:37 PM	61.3	66.4	49.6	77.9	61.2	66.4	49.5	77.9
12:38:37 PM	56	61.8	48.2	74.4	55.9	61.8	47.9	74.2
12:39:37 PM	65.5	72.8	53.5	88	65.4	72.7	53.4	88
12:40:37 PM	62.5	67.2	55.1	81.4	62.5	67.1	55	81.3
12:41:37 PM	53.4	57.7	48.6	70.1	53.3	57.7	48.3	69.9
12:42:37 PM	61.3	65.4	54.1	78.1	61.3	65.4	54.1	78.2
12:43:37 PM	55.1	61	50.5	73.1	55	61	50.3	73
12:44:37 PM	59.4	65	52.2	78.3	59.4	65	52.1	78.3
12:45:37 PM	59.6	65.3	50.5	79	59.5	65.3	50.2	79
12:46:37 PM	64.9	77.5	49.7	93.1	64.8	77.5	49.6	93.1
12:47:37 PM	65.9	77.1	52.5	90.2	65.9	77	52.5	90.1
12:48:37 PM	61.8	69.1	49	81.3	61.8	69	48.9	81.5
12:49:37 PM	60.3	65	57.3	78.6	60.3	64.9	57.3	78.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
12:50:37 PM	61.6	70.7	53.4	85.8	61.6	70.7	53.3	85.6
12:51:37 PM	63.2	70.5	50.2	84.3	63.2	70.4	49.9	84.2
12:52:37 PM	59.2	64.1	53.7	75.1	59.1	64	53.6	74.9
12:53:37 PM	58.7	65.5	51.6	78.2	58.6	65.4	51.5	78
12:54:37 PM	64.5	71.8	52.5	87.3	64.5	71.7	52.4	87.2
12:55:37 PM	58.3	65	48.5	78.5	58.2	64.9	48.2	78.2
12:56:37 PM	60.1	64.1	55.2	77.3	60	64.1	55.2	77.2
12:57:37 PM	60.1	65	52.9	78.1	60.1	65	52.8	78
12:58:37 PM	59.2	62.4	53.8	75.7	59.1	62.4	53.7	75.6
12:59:37 PM	56.9	62.9	50.6	78.9	56.9	62.8	50.5	79
1:00:37 PM	59	63.1	53.2	75.6	59	63	53	75.6
1:01:37 PM	63.6	69.1	58.7	81.8	63.5	69.1	58.7	81.5
1:02:37 PM	64.5	75.4	52	89.4	64.4	75.3	51.9	89.4
1:03:37 PM	61.5	65.2	53.3	77.8	61.4	65.1	53.2	77.8
1:04:37 PM	58.4	64.1	53.5	75.9	58.4	64.1	53.5	75.3
1:05:37 PM	60.3	63.9	55.5	78	60.2	63.8	55.5	78.1
1:06:37 PM	60	64.1	54.6	76.6	59.9	64.1	54.5	76.8
1:07:37 PM	58.9	63.5	49.6	77.5	58.8	63.5	49.6	77.4
1:08:37 PM	62.5	70	50.6	88.4	62.4	70	50.5	88.3
1:09:37 PM	52.4	56	49.5	69.6	52.3	56	49.4	70.5
1:10:37 PM	61	64.4	54.4	78.3	60.9	64.4	54.3	78.2
1:11:37 PM	55.2	63.8	47.5	76.4	55.1	63.8	47.4	76.4
1:12:37 PM	64.2	70.1	52.9	82.8	64.2	70.1	52.9	82.8
1:13:37 PM	58.3	64.1	49.8	75.4	58.3	64.1	49.6	75.3
1:14:37 PM	66	76.2	54.6	89.1	66	76.1	54.6	89
1:15:37 PM	71.2	84	58.7	96.7	71.1	83.9	58.6	96.6
1:16:37 PM	78.1	87.9	63.3	100.6	78	87.9	63.3	100.6
1:17:37 PM	67.5	71	64.2	86.6	67.4	71	64.1	86.5
1:18:37 PM	63.4	68.4	55.4	81.6	63.4	68.3	55.4	81.6
1:19:37 PM	60	66.6	51.5	79.1	60	66.5	51.4	78.9
1:20:37 PM	59.3	64.9	53.3	77.6	59.3	64.9	53.2	77.7
1:21:37 PM	60.1	63.2	54.7	77.1	60	63.1	54.6	77.1
1:22:37 PM	60.3	64.7	51.3	77.4	60.3	64.6	51.1	77.4
1:23:37 PM	51.9	54.4	49.6	67.6	51.8	54.1	49.5	67.4
1:24:37 PM	61.6	64.8	52.5	78.4	61.6	64.7	52.4	78.5
1:25:37 PM	52.6	61	48.1	72.3	52.6	60.9	47.9	72.7
1:26:37 PM	61.7	67.3	51.1	82	61.6	67.2	51	81.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
1:27:37 PM	61.2	64.4	49.9	77.8	61.2	64.4	49.7	77.5
1:28:37 PM	57.4	62.2	49.4	75.2	57.3	62.2	49.1	74.9
1:29:37 PM	60.7	67.3	53.2	82.8	60.6	67.2	53	82.8
1:30:37 PM	66.4	78.5	51.9	95.6	66.4	78.5	51.8	95.5
1:31:37 PM	60.3	62.8	52.8	76.1	60.2	62.8	52.8	76
1:32:37 PM	58.5	63.7	51.1	77	58.4	63.6	51	77.1
1:33:37 PM	64.1	71.3	54.7	84.5	64	71.2	54.6	84.6
1:34:37 PM	59.6	64.9	52.9	78.4	59.5	64.9	52.8	78.4
1:35:37 PM	59.8	66.1	51.9	79.4	59.7	66.1	51.8	79.3
1:36:37 PM	59.4	63.9	49	76.9	59.4	63.9	48.9	76.8
1:37:37 PM	56.8	64.6	47.8	77.7	56.8	64.6	47.7	77.9
1:38:37 PM	61.1	64.4	54.1	77	61.1	64.4	54	76.9
1:39:37 PM	54.8	60.5	48.7	73.1	54.8	60.5	48.6	73
1:40:37 PM	57.6	61.6	49.8	76.9	57.5	61.5	49.7	76.9
1:41:37 PM	66.5	78.4	57.4	94.1	66.4	78.4	57.4	94
1:42:37 PM	57.5	61.8	51.8	74.2	57.5	61.7	51.7	73.9
1:43:37 PM	62.8	68.2	53.9	80.8	62.8	68.2	53.8	80.6
1:44:37 PM	57.3	64	51.1	78.6	57.3	64	51	78.9
1:45:37 PM	60.5	63.6	53	75.5	60.5	63.6	52.9	75.5
1:46:37 PM	54.9	60.6	50.9	73.8	54.8	60.6	50.9	74.1
1:47:37 PM	64.8	73.5	55.6	88.1	64.7	73.4	55.5	88
1:48:37 PM	60.4	66.1	52.1	79.5	60.3	66	52	79.6
1:49:37 PM	57.9	65.8	50.8	78.3	57.8	65.8	50.7	78.1
1:50:37 PM	63	68.5	51.7	81.1	63	68.4	51.6	81
1:51:37 PM	64.7	76.8	50.9	93.2	64.7	76.7	50.8	93.2
1:52:37 PM	62.1	67.5	55.2	81.8	62	67.4	55.1	81.7
1:53:37 PM	58	64.4	53.3	77.1	57.9	64.3	53.2	77.1
1:54:37 PM	61.8	66.5	56.6	79.4	61.8	66.5	56.6	79.4
1:55:37 PM	63.8	67.5	57.7	81.8	63.8	67.4	57.7	81.8
1:56:37 PM	60.4	63.6	54.8	76.5	60.3	63.5	54.7	76.4
1:57:37 PM	59.1	61.5	56	75.8	59	61.4	55.9	75.6
1:58:37 PM	56	60.4	52.2	73.3	56	60.4	52.1	73.3
1:59:37 PM	62.5	64.9	54.9	83.7	62.4	64.9	54.8	83.6
2:00:37 PM	57.5	62.8	50.7	76	57.4	62.8	50.6	75.8
2:01:37 PM	61.5	66.5	55.3	79.9	61.4	66.4	55.2	79.9
2:02:37 PM	57.3	62.5	51.5	75.3	57.2	62.5	51.4	75.3
2:03:37 PM	73.3	88.6	52.2	102.7	73.2	88.5	52.1	102.7

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
2:04:37 PM	74.7	88.6	65	99.6	74.6	88.5	65	99.6
2:05:37 PM	65.1	68.5	62.3	80.1	65	68.4	62.2	80.1
2:06:37 PM	62.1	66.9	59	79.2	62.1	66.9	59	79.2
2:07:37 PM	63.6	66.7	61.4	79.2	63.5	66.7	61.3	79.2
2:08:37 PM	58.9	63.3	54.1	76.1	58.8	63.2	54	76.1
2:09:37 PM	56.6	59.6	53.9	73.6	56.5	59.6	53.8	73.4
2:10:37 PM	61.6	65.8	52.1	79.4	61.6	65.8	52	79.6
2:11:37 PM	57.5	63.2	53.4	76.4	57.4	63.1	53.3	76.3
2:12:37 PM	58.6	63.2	51.3	76	58.6	63.2	51.1	76
2:13:37 PM	59.7	63.2	50.1	76.4	59.6	63.2	49.9	76.5
2:14:37 PM	58.6	66.3	52	80.8	58.6	66.2	51.9	80.8
2:15:37 PM	61.4	68	53	81.6	61.4	68	53	81.6
2:16:37 PM	59.9	63.1	55.1	79.3	59.9	63	55	79.1
2:17:37 PM	58.9	62.5	53.5	74.9	58.8	62.5	53.5	74.8
2:18:37 PM	56.1	58.9	52.5	73.9	56	58.9	52.4	73.6
2:19:37 PM	62.3	68.7	57.1	84.4	62.3	68.7	57	84.4
2:20:37 PM	61.8	65.1	56.1	79.1	61.8	65	56	78.9
2:21:37 PM	60.5	70	53.6	81.8	60.5	70	53.5	81.7
2:22:37 PM	63.1	69.1	54.9	85.7	63.1	69.1	54.8	85.5
2:23:37 PM	63.2	68.5	54.5	83.6	63.2	68.5	54.4	83.6
2:24:37 PM	61.8	66.6	54.1	81	61.8	66.6	54	80.9
2:25:37 PM	61.3	66.2	57.1	78.5	61.2	66.2	57	78.5
2:26:37 PM	57	61.2	52.2	77.9	57	61.2	52.1	77.8
2:27:37 PM	59	65.2	52.2	78.6	58.9	65.2	52.1	78.3
2:28:37 PM	57.3	61.4	51.7	76.4	57.2	61.4	51.5	76.3
2:29:37 PM	57.5	60.7	52	74.1	57.4	60.6	51.9	73.7
2:30:37 PM	57	62.7	52.7	81.4	57	62.6	52.6	81.2
2:31:37 PM	65.5	74.5	51.4	88.4	65.4	74.4	51.3	88.3
2:32:37 PM	61.9	67.9	53.5	80.3	61.8	67.8	53.4	80.3
2:33:37 PM	58.2	63	54.1	75.7	58.1	63	53.9	75.8
2:34:37 PM	60	61.9	57.1	74.7	59.9	61.8	57	74.7
2:35:37 PM	64.5	72.9	55.5	86.3	64.5	72.9	55.5	86.1
2:36:37 PM	59.2	63.5	53.5	77.1	59.1	63.4	53.4	77
2:37:37 PM	64.1	71.3	53.4	83.8	64	71.3	53.3	83.8
2:38:37 PM	60.4	63.8	51.3	77.3	60.3	63.7	51.1	77.1
2:39:37 PM	58.9	65.2	50.9	81.4	58.8	65.1	50.8	81.4
2:40:37 PM	61.6	68.1	52.1	82.5	61.5	68.1	52	82.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
2:41:37 PM	62.6	72.7	53.3	85.5	62.6	72.6	53.2	85.3
2:42:37 PM	81.1	90.2	63.9	103.7	81.1	90.2	63.8	103.6
2:43:37 PM	65	67.1	59.5	80	65	67.1	59.3	79.8
2:44:37 PM	58.5	61.9	54.3	74.4	58.5	61.9	54.3	74.4
2:45:37 PM	63.4	67.1	54.7	81.4	63.3	67	54.6	81.5
2:46:37 PM	57.5	60.6	51.7	73.9	57.4	60.5	51.5	74
2:47:37 PM	56.7	62.9	50.8	75.8	56.7	62.8	50.7	75.8
2:48:37 PM	60.4	67.3	56.7	81.2	60.4	67.3	56.7	81.3
2:49:37 PM	59.4	63.6	51.9	77.2	59.4	63.5	51.8	77.2
2:50:37 PM	60.7	66.2	56.6	79	60.6	66.2	56.5	79
2:51:37 PM	61	67.1	52.2	79.6	61	67.1	52.1	79.6
2:52:37 PM	63.3	71.2	52.5	87.4	63.2	71.2	52.4	87.4
2:53:37 PM	59.8	64.3	52.6	77.2	59.7	64.2	52.5	77.2
2:54:37 PM	58.2	66.8	51.7	79.1	58.1	66.7	51.5	79.2
2:55:37 PM	62.6	66.7	58	80.2	62.6	66.7	58	80
2:56:37 PM	56	63.1	49.1	76.3	55.9	63	48.9	76.1
2:57:37 PM	54.5	58.5	49.5	72.2	54.4	58.4	49.2	71.6
2:58:37 PM	61.2	67	56.2	79.8	61.1	67	56.2	79.8
2:59:37 PM	62.9	66.5	57.7	79.9	62.9	66.5	57.6	79.7
3:00:37 PM	59.3	65.6	54.5	79.2	59.3	65.5	54.4	79.1
3:01:37 PM	61.6	66.2	55.1	79.4	61.6	66.1	55	79.4
3:02:37 PM	58.3	64.8	49.2	77.3	58.2	64.7	49.1	77.2
3:03:37 PM	61	71.5	49.7	84.6	61	71.4	49.5	84.6
3:04:37 PM	65.5	71.4	54.4	86	65.5	71.4	54.3	85.9
3:05:37 PM	60.8	70	49.8	82.7	60.7	69.9	49.7	82.8
3:06:37 PM	58.8	67.3	53.2	79.4	58.7	67.2	53.2	79.1
3:07:37 PM	59	61.9	51.5	75.9	59	61.9	51.5	75.8
3:08:37 PM	58.4	62.5	51.9	76	58.3	62.5	51.8	76
3:09:37 PM	56.9	61.6	52.1	74.2	56.9	61.5	52	74.2
3:10:37 PM	60.9	65.3	54.1	78.9	60.9	65.2	54	78.8
3:11:37 PM	63	70.4	54.3	83.1	62.9	70.4	54.1	83.1
3:12:37 PM	58.2	62.5	53.6	75.4	58.1	62.4	53.5	75.4
3:13:37 PM	58.2	62.5	52.8	75.7	58.1	62.5	52.7	75.5
3:14:37 PM	60.8	63.3	56.8	87.6	60.7	63.2	56.7	87.5
3:15:37 PM	56.2	59.2	50.6	74.3	56.1	59.2	50.3	74.1
3:16:37 PM	59.3	65.7	54.5	79.8	59.2	65.7	54.5	79.8
3:17:37 PM	78.4	86.6	57.7	99.9	78.4	86.6	57.6	99.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:18:37 PM	62.8	66.2	59.9	77.8	62.8	66.1	59.8	77.8
3:19:37 PM	65.4	71.5	61.7	86.2	65.3	71.4	61.7	86.2
3:20:37 PM	63.9	66.3	55.4	80.5	63.8	66.3	55.3	80.4
3:21:37 PM	59.8	65.1	53.8	79.5	59.8	65.1	53.8	79.5
3:22:37 PM	62.5	65.1	59.6	77.5	62.5	65.1	59.5	77.7
3:23:37 PM	59.6	64.8	52.8	77.6	59.6	64.7	52.8	77.5
3:24:37 PM	60.1	68.1	52.9	82.2	60.1	68.1	52.8	82
3:25:37 PM	66	76.1	55	90.9	65.9	76.1	54.9	90.8
3:26:37 PM	66	76.7	53.3	89.4	66	76.6	53.2	89.3
3:27:37 PM	60.4	64.5	53	79.3	60.3	64.4	52.9	79.2
3:28:37 PM	62.8	69.5	53.5	82.3	62.8	69.5	53.4	82.2
3:29:37 PM	62.2	68.7	58.5	83.9	62.1	68.7	58.5	83.6
3:30:37 PM	59.1	63	52.9	75.9	59	62.9	52.9	76.1
3:31:37 PM	60.3	64.4	54	77	60.2	64.4	54	77
3:32:37 PM	58.4	61.8	53.7	74.6	58.4	61.7	53.6	74.6
3:33:37 PM	60.3	68.5	56	84.9	60.3	68.5	56	84.8
3:34:37 PM	62	68.3	56.4	87.9	61.9	68.2	56.4	87.8
3:35:37 PM	64	74.3	55.5	87.9	64	74.2	55.4	87.8
3:36:37 PM	57.7	61.3	53.7	74	57.6	61.3	53.6	73.8
3:37:37 PM	62	64.9	57.5	78.7	61.9	64.8	57.5	78.7
3:38:37 PM	60.4	65	56.4	76.8	60.4	64.9	56.4	76.7
3:39:37 PM	59.9	64.2	53.9	77.1	59.8	64.1	53.9	76.9
3:40:37 PM	61.2	64.5	56.9	78.2	61.2	64.4	56.8	78.1
3:41:37 PM	58.7	61.3	54.4	73.8	58.6	61.3	54.4	74.1
3:42:37 PM	61.6	66.6	56.3	79.3	61.6	66.6	56.3	79.2
3:43:37 PM	62.6	71.8	54.5	86.4	62.6	71.8	54.4	86.4
3:44:37 PM	60.2	65.7	50.9	76.5	60.1	65.7	50.8	76.4
3:45:37 PM	58.1	62.8	50.6	76.7	58.1	62.8	50.5	76.5
3:46:37 PM	61.6	66.1	58.2	79.4	61.6	66	58.1	79.4
3:47:37 PM	63.1	67.8	58.7	80.4	63.1	67.8	58.6	80.4
3:48:37 PM	56.6	59.1	53.7	72.9	56.5	59.1	53.6	73
3:49:37 PM	62	65.1	57.5	78.9	62	65	57.4	78.9
3:50:37 PM	60.8	68.5	55.8	82	60.8	68.4	55.6	82.1
3:51:37 PM	55.4	58.5	52.2	73.4	55.4	58.5	52.1	73.5
3:52:37 PM	62.5	69.2	56.3	83.6	62.4	69.2	56.2	83.5
3:53:37 PM	59.8	65.1	52.2	78.2	59.7	65.1	52.1	78.1
3:54:37 PM	57.6	62.9	52.7	77.8	57.6	62.9	52.6	77.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:55:37 PM	60.7	66.8	52.5	80.1	60.7	66.8	52.4	80.2
3:56:37 PM	60.8	66.1	57.3	78.7	60.8	66	57.2	78.6
3:57:37 PM	58.2	61	54	74.3	58.1	60.9	53.9	73.9
3:58:37 PM	64.7	69.5	58.4	82.8	64.7	69.4	58.3	82.8
3:59:37 PM	62.1	69.7	56.6	82.3	62.1	69.6	56.5	82.3
4:00:37 PM	61.6	66.1	54.8	78.7	61.5	66.1	54.7	78.7
4:01:37 PM	62.7	68.7	59	81.5	62.7	68.7	59	81.4
4:02:37 PM	61.4	66.2	56.8	79.3	61.3	66.2	56.7	79.3
4:03:37 PM	61.7	67.7	57.3	81.9	61.6	67.7	57.3	81.8
4:04:37 PM	64.2	75.2	56.8	89.8	64.2	75.1	56.7	89.7
4:05:37 PM	62.6	67.8	57	81.1	62.5	67.8	57	81.1
4:06:37 PM	59.4	66.5	53.5	77.8	59.4	66.5	53.5	77.7
4:07:37 PM	62.2	70.8	51.5	83.4	62.1	70.7	51.5	83.3
4:08:37 PM	62.8	70	58.2	83.5	62.7	70	58.1	83.4
4:09:37 PM	60.3	67.3	54.5	82.5	60.3	67.2	54.5	82.4
4:10:37 PM	59.1	62.3	53.7	76.2	59.1	62.2	53.6	76.2
4:11:37 PM	61.6	66.2	57.6	80.4	61.6	66.2	57.5	80.5
4:12:37 PM	58.7	63.6	54.1	76.9	58.6	63.6	54	76.7
4:13:37 PM	66.1	73	50.5	88.7	66	73	50.3	88.6
4:14:37 PM	60.9	63.6	57.4	77.4	60.8	63.6	57.3	77.1
4:15:37 PM	57.4	61.3	50.8	74.3	57.4	61.2	50.7	74.2
4:16:37 PM	62.5	66.5	55.1	79	62.5	66.4	55	79.3
4:17:37 PM	62.1	70.7	57.4	84.2	62	70.6	57.3	84.1
4:18:37 PM	59.6	70.1	52.5	84.1	59.5	70.1	52.4	84.1
4:19:37 PM	58.5	61.9	50.3	75.2	58.4	61.8	50.2	75.3
4:20:37 PM	59.4	62.5	57	74.8	59.3	62.5	57	74.7
4:21:37 PM	57.6	63.3	52.2	77	57.5	63.2	52.1	77.1
4:22:37 PM	64.2	67.8	59.1	80.3	64.1	67.8	59.1	80.3
4:23:37 PM	58.8	64.7	56.3	76	58.7	64.6	56.2	76.1
4:24:37 PM	65.9	75	55.2	89.3	65.8	75	55.1	89.3
4:25:37 PM	61.2	65.9	53.5	78.5	61.1	65.9	53.4	78.4
4:26:37 PM	59.9	66.7	54.7	79.2	59.9	66.7	54.6	79.1
4:27:37 PM	58.3	64.8	53.4	77.9	58.2	64.8	53.3	78.2
4:28:37 PM	61	65.3	53.9	76.8	60.9	65.2	53.8	76.8
4:29:37 PM	63.4	66.9	59.3	79.4	63.3	66.9	59.3	79.4
4:30:37 PM	61.5	68.8	51.5	82.7	61.4	68.7	51.4	82.6
4:31:37 PM	60.8	65.4	55.6	78.1	60.7	65.4	55.5	78.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
4:32:37 PM	58.1	61.5	54.4	74.3	58	61.4	54.3	74.2
4:33:37 PM	58.7	62.9	53.9	77.1	58.6	62.8	53.8	77.2
4:34:37 PM	79.8	88.9	51.1	102.6	79.7	88.9	51	102.6
4:35:37 PM	67	74.1	62	86	66.9	74	61.9	85.9
4:36:37 PM	65.7	71.8	56.9	84	65.7	71.8	56.9	83.8
4:37:37 PM	57.7	62.5	51.9	75.2	57.6	62.5	51.8	75.1
4:38:37 PM	60.8	64.9	58	77	60.8	64.9	57.9	76.9
4:39:37 PM	60.4	65.4	55.1	79.9	60.3	65.4	55	79.6
4:40:37 PM	56.6	61.3	53	77.7	56.5	61.2	53	77.7

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Location M2: Session Report #2

Meter No. 22252
Session No. S043
Start: 1642 on 7/21/2021
End: 0932 on 7/22/2021

Information Panel

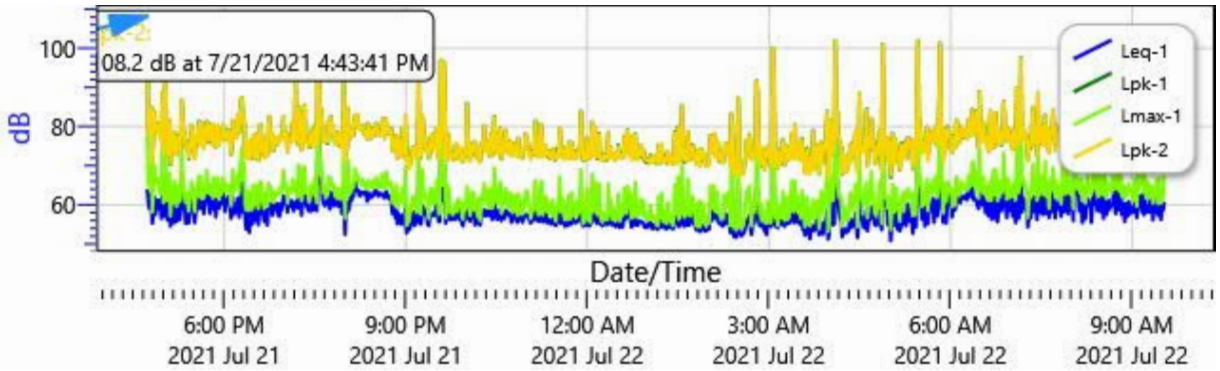
Name	S043_BLM090004_23072021_112806
Start Time	7/21/2021 4:42:41 PM
Stop Time	7/22/2021 9:32:07 AM
Device Name	BLM090004
Model Type	SoundPro DL
Device Firmware Rev	R.13H
Comments	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	61.4 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	SLOW	Bandwidth	1	OFF
Exchange Rate	2	3 dB	Weighting	2	A
Response	2	SLOW			

Logged Data Chart

S043_BLM090004_23072021_112806: Logged Data Chart



Logged Data Table

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7/21/2021	64	77.8	52.7	108.3	63.9	77.7	52.5	108.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
4:43:41 PM								
4:44:41 PM	61	65.2	56.6	78.4	61	65.2	56.5	78.4
4:45:41 PM	59	69.9	54.1	83.5	59	69.8	54	83.4
4:46:41 PM	60.1	63.8	53.6	77.6	60.1	63.7	53.5	77.5
4:47:41 PM	62.7	70.3	52.7	84.9	62.6	70.3	52.6	84.8
4:48:41 PM	55.3	58.1	52.8	71.1	55.2	58.1	52.6	71.1
4:49:41 PM	58.7	64.3	49.7	77	58.6	64.3	49.6	77.1
4:50:41 PM	62	70.2	55.2	83.7	61.9	70.1	55.2	83.6
4:51:41 PM	57.5	65.8	50.6	79.3	57.5	65.7	50.5	79.4
4:52:41 PM	60.1	65.9	50.5	78.7	60	65.9	50.3	78.8
4:53:41 PM	59	66.5	52.6	78.6	59	66.5	52.6	78.6
4:54:41 PM	61.2	66.6	51.8	80.7	61.1	66.6	51.8	80.5
4:55:41 PM	60.1	63.1	51.9	78.7	60	63.1	51.8	78.6
4:56:41 PM	59.6	64.4	54.1	77.4	59.5	64.4	54	77.4
4:57:41 PM	56.5	62.7	50.9	76.7	56.4	62.6	50.8	76.6
4:58:41 PM	64	74.8	51.9	88.6	64	74.7	51.8	88.5
4:59:41 PM	58.3	60.5	55.1	73.3	58.3	60.5	55	73.4
5:00:41 PM	57.1	65	48.9	77.6	57.1	64.9	48.7	77.6
5:01:41 PM	64.3	72.5	50.3	96.7	64.2	72.5	50.2	96.6
5:02:41 PM	59.7	64.1	56	77.2	59.6	64	55.9	77.1
5:03:41 PM	56.1	61.1	50.8	72.6	56	61	50.7	72.9
5:04:41 PM	61.5	65.9	50.6	78.4	61.5	65.9	50.6	78.5
5:05:41 PM	61.7	68.1	52	81.5	61.6	68.1	51.9	81.4
5:06:41 PM	54.5	57.1	52.2	70.3	54.4	57.1	52.1	70.6
5:07:41 PM	60.3	64.5	53.5	77.7	60.2	64.5	53.5	78
5:08:41 PM	56.1	60.6	51.1	73.3	56	60.6	51.1	73.5
5:09:41 PM	55.4	60.5	51.1	73.4	55.3	60.5	51	73.8
5:10:41 PM	60.6	66.1	51.3	78.6	60.5	66.1	51.1	78.8
5:11:41 PM	57.1	61.7	52.6	74	57.1	61.7	52.5	73.9
5:12:41 PM	55.7	59.6	51.9	72.9	55.6	59.6	51.8	72.6
5:13:41 PM	60.5	64.7	53.3	77.7	60.4	64.6	53.3	77.4
5:14:41 PM	56.4	61.5	51.4	74.8	56.3	61.4	51.3	74.3
5:15:41 PM	56.2	60.8	50.7	74.1	56.2	60.8	50.6	74
5:16:41 PM	58.3	61.7	52.1	74.3	58.3	61.7	52	74.7
5:17:41 PM	63.1	73.6	55.5	86.8	63	73.5	55.4	86.8
5:18:41 PM	59	68.5	50.6	82.3	59	68.4	50.3	82.3
5:19:41 PM	61.6	65.3	48.9	78.9	61.6	65.3	48.7	78.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
5:20:41 PM	61	63.2	55.8	78.7	61	63.1	55.6	78.7
5:21:41 PM	55.2	60.5	51	74.6	55.2	60.5	51	74.5
5:22:41 PM	60.1	63.1	55.3	76	60	63.1	55.2	75.7
5:23:41 PM	58.8	62.2	55.5	76	58.7	62.2	55.4	75.5
5:24:41 PM	55.3	58.4	52.2	71.7	55.3	58.3	52.1	72
5:25:41 PM	58.1	63	50.7	75.6	58	62.9	50.6	75.7
5:26:41 PM	58.2	62.2	53.4	74.7	58.1	62.1	53.3	74.8
5:27:41 PM	61.5	66	52.4	80.3	61.5	65.9	52.2	80.3
5:28:41 PM	60.5	64.5	56.1	78.2	60.5	64.4	56	78.3
5:29:41 PM	58.8	60.9	54	73.6	58.7	60.8	53.9	73.9
5:30:41 PM	55.4	58.3	51.7	71.9	55.4	58.2	51.7	71.8
5:31:41 PM	58.4	64.2	49	77.7	58.4	64.1	48.9	77.8
5:32:41 PM	59.2	62.2	56.5	76.1	59.1	62.2	56.4	76.3
5:33:41 PM	59	62.5	52.2	76.6	58.9	62.5	52.1	76.5
5:34:41 PM	62.1	67.3	49.8	81.3	62.1	67.2	49.7	81.1
5:35:41 PM	59	62	56	75.2	58.9	61.9	55.9	75.1
5:36:41 PM	59.1	67.3	50.3	81.1	59	67.3	50.2	80.9
5:37:41 PM	59.8	62.8	50.6	76	59.8	62.7	50.3	75.8
5:38:41 PM	60.8	65.4	56	79.5	60.8	65.3	56	79.6
5:39:41 PM	57.7	61.9	51.9	74.8	57.7	61.8	51.8	74.3
5:40:41 PM	60.4	63.4	52.5	75.8	60.3	63.3	52.4	75.8
5:41:41 PM	60.9	62.9	56.5	77.5	60.8	62.9	56.4	77.3
5:42:41 PM	63.1	68.9	58.4	81.3	63	68.9	58.4	81.1
5:43:41 PM	61.9	65.5	57.9	77.7	61.9	65.4	57.9	77.7
5:44:41 PM	61.4	63.1	58.3	76.3	61.3	63	58.3	76.6
5:45:41 PM	57.8	63.1	53.5	80.6	57.8	63	53.5	80.5
5:46:41 PM	61.8	65.2	58.1	78.6	61.8	65.1	58	78.8
5:47:41 PM	61.4	64.7	52.7	77.7	61.3	64.6	52.7	77.9
5:48:41 PM	58.9	61.7	52.6	75.4	58.9	61.6	52.5	75.2
5:49:41 PM	61.9	67	53	80.4	61.9	67	52.9	80.6
5:50:41 PM	60.4	65.7	56.7	78.8	60.3	65.6	56.6	78.7
5:51:41 PM	56.9	62.2	51.9	74.7	56.9	62.1	51.8	74.8
5:52:41 PM	62.9	65.5	57.5	80.1	62.9	65.4	57.4	80.1
5:53:41 PM	60	66.9	51.9	79.9	60	66.9	51.8	79.9
5:54:41 PM	59.1	61.4	56.3	75.3	59	61.3	56.2	75.1
5:55:41 PM	61	64.6	57.2	77.8	60.9	64.5	57.1	78
5:56:41 PM	60.2	62.5	54.9	76.6	60.1	62.5	54.8	76.3

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
5:57:41 PM	60.5	63.1	57.6	77.2	60.5	63.1	57.5	77
5:58:41 PM	63.5	66.9	60.3	80.4	63.5	66.9	60.2	80.5
5:59:41 PM	61.3	66.2	57.1	78.9	61.2	66.2	57	78.9
6:00:41 PM	58.3	63.7	51.4	79	58.2	63.7	51.4	78.6
6:01:41 PM	60.3	63.4	54.9	76.7	60.3	63.3	54.8	76.9
6:02:41 PM	60.5	63.4	57.7	76.9	60.5	63.3	57.6	76.7
6:03:41 PM	61.6	65	57	79.1	61.6	65	57	78.9
6:04:41 PM	62.2	65.1	60.4	78.6	62.1	65	60.3	78.4
6:05:41 PM	59.6	64	52.2	77.1	59.6	63.9	52.1	77
6:06:41 PM	56.5	59.7	51.8	72.9	56.5	59.6	51.8	73.1
6:07:41 PM	59.1	61.6	54.1	74.9	59	61.6	54	75.1
6:08:41 PM	61.9	69	53.8	81.5	61.8	69	53.7	81.6
6:09:41 PM	57.6	63.8	51.7	77.7	57.5	63.7	51.6	77.6
6:10:41 PM	60.3	64.6	51.1	77.6	60.3	64.6	51	77.7
6:11:41 PM	60.2	64.7	54.1	77.2	60.1	64.6	54	77.1
6:12:41 PM	58.2	65.3	52.4	77.9	58.2	65.2	52.4	77.9
6:13:41 PM	61.6	67.9	51.1	82.9	61.5	67.8	51	82.8
6:14:41 PM	56.8	62.8	50.6	78.6	56.8	62.7	50.6	78.9
6:15:41 PM	59	69.9	52.8	83.3	59	69.8	52.8	83.2
6:16:41 PM	63.7	71.5	57.6	87.1	63.6	71.4	57.5	87.1
6:17:41 PM	65.6	74.7	54	87.5	65.6	74.6	53.9	87.4
6:18:41 PM	58.1	66.7	49.2	80.9	58.1	66.6	49.1	80.8
6:19:41 PM	62.8	70.5	52.4	82	62.7	70.5	52.4	82
6:20:41 PM	57	60	51.8	73	56.9	59.9	51.8	72.9
6:21:41 PM	53.8	58.6	47.8	72.4	53.8	58.5	47.5	71.9
6:22:41 PM	59.3	62.6	55.1	75.4	59.2	62.5	55	75.5
6:23:41 PM	57.9	63.5	52.5	76.3	57.9	63.5	52.4	76.4
6:24:41 PM	52.9	58.5	49	72	52.8	58.4	48.9	71.5
6:25:41 PM	59.3	63	51.5	75.5	59.2	63	51.5	75.4
6:26:41 PM	59.5	63	49.5	76.4	59.4	63	49.4	76.3
6:27:41 PM	55	58.8	49.5	72	54.9	58.7	49.4	72.5
6:28:41 PM	60.1	65	55	77.4	60	64.9	55	77.4
6:29:41 PM	55.9	59.8	51	72	55.8	59.8	50.9	72
6:30:41 PM	56.5	62.1	50.2	76.1	56.5	62.1	50.1	76.1
6:31:41 PM	61.4	65	51.9	78.2	61.3	64.9	51.8	78.1
6:32:41 PM	57.8	63.5	51	76.1	57.7	63.4	51	76
6:33:41 PM	54.9	59	49.7	71.3	54.8	58.9	49.6	71.3

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
6:34:41 PM	60.2	63.5	55	76.1	60.1	63.5	54.9	75.9
6:35:41 PM	62.3	66	51.8	80.5	62.3	66	51.7	80.6
6:36:41 PM	57.9	64.3	49.8	78.1	57.9	64.3	49.7	78.1
6:37:41 PM	58.4	61.2	49.5	75.2	58.3	61.1	49.4	75.1
6:38:41 PM	57.1	60	50.6	72.7	57.1	59.9	50.3	73
6:39:41 PM	55.8	59	51.1	72.3	55.7	58.9	51.1	71.9
6:40:41 PM	59.4	62.9	56.2	75.9	59.3	62.8	56.1	76.1
6:41:41 PM	57.1	62.5	49.6	76.3	57	62.5	49.5	76.3
6:42:41 PM	54.8	59.6	47.8	72.7	54.8	59.5	47.7	72.5
6:43:41 PM	59.9	65.5	56.5	79.5	59.9	65.4	56.5	79.7
6:44:41 PM	59.1	64.3	53.8	82.5	59	64.2	53.7	82.5
6:45:41 PM	60.2	63.8	53.2	78.9	60.1	63.7	53	79.1
6:46:41 PM	60.3	64.5	55	78.2	60.2	64.4	54.9	78.2
6:47:41 PM	57.3	61	50.8	73.9	57.3	61	50.7	73.9
6:48:41 PM	58.2	60.5	54.7	73.8	58.2	60.5	54.7	74
6:49:41 PM	59.3	63	54	76.1	59.3	63	53.9	76.3
6:50:41 PM	60.2	62.8	50.5	77	60.1	62.7	50.5	77.3
6:51:41 PM	58.7	63.3	51.1	77.1	58.6	63.3	51.1	77.2
6:52:41 PM	60.3	62.4	57	75.4	60.2	62.3	56.9	75.4
6:53:41 PM	57.2	62.4	51.5	76.1	57.1	62.3	51.4	76
6:54:41 PM	57	62.8	52	76.6	56.9	62.8	51.9	76.4
6:55:41 PM	60.1	64.4	55.9	77.6	60	64.4	55.9	77.7
6:56:41 PM	58.6	63.3	54.3	77.1	58.5	63.3	54.1	76.9
6:57:41 PM	59.7	65	53.6	78.1	59.6	65	53.6	77.9
6:58:41 PM	62.3	68.8	55	82.6	62.3	68.7	54.9	82.6
6:59:41 PM	60.4	64.5	54.4	77.2	60.3	64.5	54.4	77.1
7:00:41 PM	61.2	65.4	55.8	78.9	61.1	65.3	55.8	78.8
7:01:41 PM	61.7	64.3	58.5	78.3	61.6	64.3	58.4	78.1
7:02:41 PM	58.1	60.4	53.9	73.6	58	60.3	53.8	73.6
7:03:41 PM	61	64.2	54.9	77.1	60.9	64.1	54.8	77.1
7:04:41 PM	60.3	63.7	54.7	76.8	60.2	63.6	54.7	76.6
7:05:41 PM	59.6	64.1	51.9	76.7	59.6	64.1	51.8	76.5
7:06:41 PM	61.1	63.2	59.1	76.3	61	63.2	59	76.2
7:07:41 PM	60.5	66.6	56.4	80.8	60.5	66.6	56.3	80.7
7:08:41 PM	58.4	63.5	55.5	76.6	58.3	63.4	55.5	76.5
7:09:41 PM	60.1	65.2	53	81.5	60.1	65.2	52.9	81.6
7:10:41 PM	60.4	64.9	52.8	92.5	60.3	64.9	52.7	92.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7:11:41 PM	60.9	65.9	55.4	79.3	60.8	65.8	55.3	79.3
7:12:41 PM	59.2	62	57.1	75.5	59.2	61.9	57	75.7
7:13:41 PM	63	70.2	56.7	83.9	62.9	70.1	56.6	83.9
7:14:41 PM	64.2	70	55.3	85	64.1	69.9	55.3	84.9
7:15:41 PM	61.8	68.4	56.9	81.5	61.8	68.3	56.9	81.5
7:16:41 PM	57.3	61	53.3	74.1	57.3	61	53.2	73.8
7:17:41 PM	62.4	63.8	60.2	77.7	62.4	63.8	60.2	77.4
7:18:41 PM	60.9	64	54.7	76.7	60.8	63.9	54.6	76.6
7:19:41 PM	63.1	69.6	59	85.6	63	69.6	59	85.5
7:20:41 PM	60.8	63	56.4	76.4	60.7	62.9	56.3	76.4
7:21:41 PM	59.5	62.9	53.8	76.1	59.4	62.9	53.7	75.9
7:22:41 PM	59.6	62.8	51.9	76.8	59.6	62.7	51.8	76.5
7:23:41 PM	58.4	62.7	51.9	75.1	58.3	62.6	51.8	75.1
7:24:41 PM	58.5	60.9	52.6	74.7	58.5	60.8	52.5	74.9
7:25:41 PM	58.3	64.9	52.7	78.2	58.3	64.9	52.6	78.4
7:26:41 PM	62.8	65.2	57.4	79.2	62.8	65.2	57.3	79.1
7:27:41 PM	60.2	64.9	49.1	78.1	60.1	64.9	49	78.1
7:28:41 PM	58.7	62.7	52.6	75.2	58.7	62.6	52.5	75.1
7:29:41 PM	60.2	66.8	50.5	80	60.1	66.7	50.3	79.9
7:30:41 PM	61	64.5	53.8	78.4	60.9	64.5	53.7	78.5
7:31:41 PM	58.5	60.5	55.1	74.5	58.5	60.5	55	74.8
7:32:41 PM	73.2	81.7	56.4	93.9	73.1	81.6	56.4	93.9
7:33:41 PM	79.8	89.2	64.1	100.9	79.8	89.1	64	100.8
7:34:41 PM	65.5	67.7	64.1	80.6	65.4	67.7	64.1	80.7
7:35:41 PM	68.3	71.6	65.6	84.6	68.2	71.6	65.5	84.6
7:36:41 PM	65.5	68.7	58.2	82.2	65.4	68.6	58.2	82
7:37:41 PM	61	63.2	58.1	76.5	61	63.2	58	76.3
7:38:41 PM	60.3	65	55.9	78.2	60.3	64.9	55.8	78.5
7:39:41 PM	59.7	62.7	56.1	76.1	59.7	62.6	56	76.3
7:40:41 PM	60.6	63	57.2	77.8	60.6	63	57.2	77.2
7:41:41 PM	60.8	62	59	76.3	60.8	62	59	76.2
7:42:41 PM	60.4	62.7	57.8	75.7	60.4	62.6	57.8	76
7:43:41 PM	63.5	67.3	58.6	81.4	63.4	67.3	58.6	81.4
7:44:41 PM	58.9	66.3	55.2	81.1	58.8	66.3	55.1	81.1
7:45:41 PM	60.9	66.7	56.4	82.5	60.8	66.7	56.3	82.4
7:46:41 PM	61.8	64.7	55	78.2	61.8	64.6	55	78.2
7:47:41 PM	63.1	65.3	55.3	80	63	65.3	55.2	80

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7:48:41 PM	59.8	65	56.1	78	59.7	64.9	56.1	78.1
7:49:41 PM	59.8	62.2	56.3	75.8	59.8	62.1	56.2	75.3
7:50:41 PM	60.2	63.1	51.7	77.9	60.1	63.1	51.5	77.9
7:51:41 PM	59.8	61.9	55.9	76	59.8	61.8	55.9	75.9
7:52:41 PM	61.5	64.2	55.9	78.5	61.4	64.1	55.9	78.4
7:53:41 PM	59.6	61.5	55.4	75.2	59.5	61.5	55.3	75.4
7:54:41 PM	59.9	62.5	57.1	76.2	59.8	62.5	57	76.1
7:55:41 PM	60.4	63.5	54.1	77.7	60.3	63.4	54.1	77.6
7:56:41 PM	57.7	61.5	53.9	74.6	57.6	61.5	53.8	74.4
7:57:41 PM	58	64.4	48.6	79.3	57.9	64.3	48.5	79.1
7:58:41 PM	64.6	76.6	54.9	92.8	64.6	76.5	54.9	92.8
7:59:41 PM	52.4	56.6	48.3	70.6	52.3	56.5	48.2	70.9
8:00:41 PM	60.6	69.9	48.9	84.3	60.5	69.8	48.7	84.2
8:01:41 PM	58	61.4	50.9	74.2	57.9	61.3	50.8	74.1
8:02:41 PM	63.7	71.5	54.5	84.6	63.7	71.4	54.4	84.6
8:03:41 PM	58.8	62.5	54.5	76.6	58.8	62.5	54.5	76.8
8:04:41 PM	62.6	64.4	59.1	78.2	62.6	64.4	59	78.2
8:05:41 PM	61	63.2	57.6	77.7	61	63.1	57.6	77.7
8:06:41 PM	62	65.3	58.3	78.6	62	65.3	58.3	78.7
8:07:41 PM	61.9	64.3	59.9	77.7	61.9	64.3	59.8	77.7
8:08:41 PM	64.1	66.4	61	81.2	64.1	66.4	61	81
8:09:41 PM	65.9	69.2	62	82.6	65.8	69.2	61.9	82.6
8:10:41 PM	63.6	66.3	59.8	80.7	63.6	66.2	59.7	80.6
8:11:41 PM	63.9	67.7	59.2	83.1	63.8	67.7	59.1	83.1
8:12:41 PM	63.7	66.6	58.4	79.8	63.7	66.6	58.3	79.7
8:13:41 PM	62.5	66.4	60.5	79.9	62.5	66.4	60.5	79.8
8:14:41 PM	62.2	65.8	59.3	79.7	62.2	65.7	59.2	79.4
8:15:41 PM	63.3	64.9	59.9	79.1	63.2	64.9	59.8	79.1
8:16:41 PM	62.9	66.6	60.3	80.1	62.9	66.6	60.2	80.1
8:17:41 PM	63.2	65.6	60.5	80.3	63.2	65.6	60.5	80.2
8:18:41 PM	63	65.5	61	78.7	63	65.4	60.9	78.5
8:19:41 PM	62.6	64.7	60.3	77.7	62.5	64.7	60.3	77.6
8:20:41 PM	63.5	65.5	61.1	78.9	63.4	65.4	61	78.6
8:21:41 PM	60.9	63.9	56.7	76.9	60.8	63.8	56.7	76.7
8:22:41 PM	63	66.3	60.8	80.7	62.9	66.2	60.7	80.5
8:23:41 PM	63	65.5	60.4	78.7	63	65.4	60.3	78.7
8:24:41 PM	61.7	64.5	58.2	76.9	61.7	64.4	58.1	77.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
8:25:41 PM	62	64.8	59.1	77.4	61.9	64.7	59	77.5
8:26:41 PM	62.2	64.3	59.2	78.6	62.2	64.2	59.2	78.6
8:27:41 PM	62.3	66.3	59.5	79.5	62.3	66.2	59.5	79.3
8:28:41 PM	63.5	65.5	59.3	79.4	63.5	65.4	59.3	79.5
8:29:41 PM	62.8	64.5	59.7	77.9	62.7	64.5	59.7	78.1
8:30:41 PM	63.6	67	59.6	80.8	63.5	67	59.6	80.8
8:31:41 PM	62.9	65.7	59.3	79.3	62.8	65.6	59.2	78.9
8:32:41 PM	62.2	65.2	57.9	78.3	62.2	65.1	57.9	78.1
8:33:41 PM	63	64.3	61	77.8	62.9	64.3	60.9	77.8
8:34:41 PM	62.4	64.6	60.1	78.2	62.3	64.5	60	78
8:35:41 PM	62.8	64.4	59	78.3	62.7	64.4	59	78.1
8:36:41 PM	62.4	67.9	57.4	81.8	62.3	67.9	57.3	81.7
8:37:41 PM	62.8	66.7	59.9	82	62.8	66.7	59.8	81.9
8:38:41 PM	61.7	64.2	57.8	77	61.7	64.2	57.7	77
8:39:41 PM	62	65.4	56.1	78.5	62	65.4	56	78.7
8:40:41 PM	63.4	68.4	57.2	81.9	63.3	68.4	57.1	82
8:41:41 PM	62.3	65.5	58.2	78.2	62.2	65.5	58.1	78.3
8:42:41 PM	61.7	64.7	57.8	78.7	61.6	64.6	57.7	78.5
8:43:41 PM	62.3	65.6	58.6	79.7	62.2	65.5	58.5	79.6
8:44:41 PM	61.9	66	58	79	61.8	65.9	57.9	79.2
8:45:41 PM	60.8	64.9	54.9	79.4	60.8	64.8	54.8	79.2
8:46:41 PM	57.7	60.4	54.5	74	57.7	60.3	54.4	74.1
8:47:41 PM	58.1	60.4	54.6	73.8	58.1	60.3	54.5	73.8
8:48:41 PM	59	63.7	55.2	76.6	58.9	63.7	55.1	76.5
8:49:41 PM	56.6	60.6	51.8	74.4	56.6	60.5	51.7	74.1
8:50:41 PM	59	65	53.3	77.8	58.9	65	53.2	77.7
8:51:41 PM	55.1	59.2	52.6	72	55	59.1	52.5	72.1
8:52:41 PM	57.7	62.6	53.2	76.3	57.6	62.5	53	76.3
8:53:41 PM	57.3	60.5	53.4	74.4	57.3	60.5	53.3	74.2
8:54:41 PM	56.7	61.3	53	74	56.6	61.2	52.9	73.9
8:55:41 PM	55	61	52.2	72.4	54.9	60.9	52	72.1
8:56:41 PM	56.8	64.4	51.5	79.7	56.7	64.4	51.4	79.7
8:57:41 PM	57.5	64	53	78.4	57.4	64	52.8	78.3
8:58:41 PM	55	59.8	51.5	72.8	54.9	59.8	51.3	73
8:59:41 PM	59.1	69.5	52.9	82.7	59	69.4	52.7	82.8
9:00:41 PM	52.8	54.7	51.8	72.9	52.6	54.6	51.6	72.6
9:01:41 PM	54.1	56.3	51.7	69.5	54	56.2	51.4	69.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:02:41 PM	53.8	55.5	51.9	69.5	53.7	55.4	51.8	69.2
9:03:41 PM	53.6	56.9	51.9	69.9	53.5	56.8	51.7	69.6
9:04:41 PM	55	59.5	51.9	72.3	54.9	59.3	51.7	72.1
9:05:41 PM	57.5	58.9	56.3	72.6	57.4	58.8	56.2	72.6
9:06:41 PM	57.4	62.1	54.4	74.7	57.4	62.1	54.3	74.7
9:07:41 PM	58.1	62	54.6	74.2	58	62	54.5	74.2
9:08:41 PM	54.7	60	52.7	72.9	54.6	59.9	52.5	72.8
9:09:41 PM	57.2	61.9	53.2	74.9	57.1	61.8	52.9	74.7
9:10:41 PM	55.6	58	53.2	71.2	55.5	57.9	52.9	71.2
9:11:41 PM	55.5	59.9	52.2	72.2	55.4	60	52	73
9:12:41 PM	70.3	79.9	52.5	93.5	70.3	79.9	52.4	93.5
9:13:41 PM	56.6	62.4	52.8	75.6	56.5	62.3	52.6	75.7
9:14:41 PM	55	57.6	52.8	72.2	54.9	57.5	52.6	72.5
9:15:41 PM	56.4	63.2	52	77.3	56.3	63.2	51.8	77.2
9:16:41 PM	59.6	68.9	53.6	82.7	59.5	68.9	53.5	82.8
9:17:41 PM	59	63.8	54.5	78.1	58.9	63.8	54.4	78.1
9:18:41 PM	58.5	63.2	54.3	77.8	58.4	63.1	54	77.5
9:19:41 PM	57.5	61.8	53.9	74.3	57.4	61.8	53.7	74.4
9:20:41 PM	57.6	61.5	53.6	74.9	57.5	61.4	53.5	74.7
9:21:41 PM	55.1	59.1	53.6	73.7	55	59	53.5	73.5
9:22:41 PM	54.6	56.5	52.9	71.9	54.5	56.4	52.8	71.9
9:23:41 PM	57	61.9	54.5	74.3	56.9	61.8	54.4	74
9:24:41 PM	57.7	64.2	53.4	77.1	57.6	64.2	53.2	77.2
9:25:41 PM	57.2	60.6	54.6	73.5	57.1	60.6	54.5	73.7
9:26:41 PM	57.7	64	53.6	77.9	57.7	63.9	53.5	77.8
9:27:41 PM	57.1	60.4	54.8	74.7	57.1	60.4	54.7	74.5
9:28:41 PM	58.3	63.2	54.4	77	58.2	63.2	54.3	76.7
9:29:41 PM	57.7	61	55.1	75.7	57.6	60.9	55	75
9:30:41 PM	61.2	66.4	56.3	79.6	61.2	66.3	56.2	79.7
9:31:41 PM	57.5	60.9	56	73.9	57.4	60.8	55.9	73.6
9:32:41 PM	55.6	57.6	54.5	71.8	55.5	57.5	54.4	71.8
9:33:41 PM	55.7	57.7	53.9	72.3	55.7	57.6	53.8	72.3
9:34:41 PM	72.5	83.6	54.9	96.9	72.5	83.6	54.8	96.9
9:35:41 PM	68.2	78.6	54.8	94.8	68.1	78.6	54.7	94.7
9:36:41 PM	61	65	55.2	77.8	60.9	65	55.1	77.7
9:37:41 PM	74.9	81.6	56.4	96.4	74.9	81.5	56.4	96.3
9:38:41 PM	64.3	73.3	56.1	88.8	64.2	73.2	56	88.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:39:41 PM	55.3	56.7	54.3	70.9	55.3	56.6	54.1	70.9
9:40:41 PM	59.2	65.3	54.7	78.2	59.1	65.2	54.6	78.1
9:41:41 PM	57.1	62.3	55.3	75.1	57.1	62.3	55.2	75
9:42:41 PM	59.6	64	55.4	77.7	59.6	63.9	55.4	77.6
9:43:41 PM	56.2	58	54.1	72.4	56.1	58	54	72.3
9:44:41 PM	56.9	59.2	54.6	72.9	56.8	59.1	54.6	72.9
9:45:41 PM	56.2	58.7	54.6	73.4	56.1	58.7	54.6	73.1
9:46:41 PM	56.4	57.5	55.4	71.6	56.3	57.5	55.3	71.8
9:47:41 PM	56.8	58.6	55.6	72.9	56.7	58.5	55.5	72.4
9:48:41 PM	56.2	58.3	54.4	72.1	56.1	58.3	54.3	72.4
9:49:41 PM	57.8	60.6	55.1	75.4	57.7	60.6	55	75.7
9:50:41 PM	56.6	58.3	54.9	71.9	56.5	58.2	54.8	71.9
9:51:41 PM	57.5	60.6	55.3	74.1	57.5	60.6	55.2	74.1
9:52:41 PM	58.8	61.5	56	74.2	58.8	61.4	55.9	74.2
9:53:41 PM	56.2	60	53.9	73.6	56.1	60	53.8	73.6
9:54:41 PM	56.4	60.3	54.4	74.4	56.3	60.2	54.3	74.7
9:55:41 PM	55.3	57.1	54.3	70.9	55.2	57.1	54.1	70.8
9:56:41 PM	54.6	56.3	53.4	71	54.5	56.2	53.3	70.9
9:57:41 PM	57	60.6	53.4	73	56.9	60.5	53.3	73.1
9:58:41 PM	56.5	58.7	54.8	72	56.5	58.6	54.8	71.7
9:59:41 PM	56.3	60.3	54.6	74.7	56.3	60.2	54.5	74.7
10:00:41 PM	59.6	64.7	55.3	86	59.6	64.6	55.2	85.9
10:01:41 PM	58.7	62.8	54.7	76	58.6	62.8	54.6	76
10:02:41 PM	57.3	59.2	55.1	72.6	57.3	59.1	55	73.2
10:03:41 PM	55.8	57.3	54.9	71.3	55.7	57.2	54.8	71.2
10:04:41 PM	57.1	59.9	55.3	73	57	59.8	55.2	73.1
10:05:41 PM	56.8	63.2	54.6	75.6	56.7	63.1	54.5	75.4
10:06:41 PM	57.3	63	55	74.1	57.2	62.9	54.9	73.7
10:07:41 PM	58.3	62.7	55	76.1	58.2	62.7	54.9	76.2
10:08:41 PM	54.8	58.5	53.3	73.2	54.7	58.4	53.2	73.4
10:09:41 PM	56.5	61.3	53.8	75.5	56.4	61.3	53.7	75.3
10:10:41 PM	56.1	58.5	54.5	71.9	56.1	58.4	54.4	72.1
10:11:41 PM	55.3	56.8	53.7	72.2	55.2	56.7	53.6	71.8
10:12:41 PM	57.3	61.6	53.9	73.5	57.3	61.5	53.8	73.7
10:13:41 PM	54.8	55.9	54	71.2	54.7	55.8	53.9	70.6
10:14:41 PM	57.6	61.2	54.3	73.8	57.5	61.1	54.1	74.2
10:15:41 PM	57.5	62.7	54.4	75.8	57.4	62.7	54.3	75.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
10:16:41 PM	57.6	62.4	54.3	75.4	57.5	62.3	54.1	75.4
10:17:41 PM	58.7	65.5	54.5	80.2	58.6	65.5	54.4	80.2
10:18:41 PM	57.1	60.5	54.5	73.8	57	60.5	54.4	73.6
10:19:41 PM	58.5	61.6	55.8	74.5	58.5	61.5	55.6	74.8
10:20:41 PM	57.5	61.8	54.9	74.7	57.4	61.8	54.8	74.8
10:21:41 PM	58.3	63.7	55.1	76.1	58.3	63.6	55.1	76.1
10:22:41 PM	57.2	59.1	55.3	72.5	57.1	59	55.2	72.5
10:23:41 PM	58.4	61.7	55.8	75.1	58.4	61.7	55.8	75.3
10:24:41 PM	60.6	64.3	57.4	78.2	60.6	64.3	57.4	78.2
10:25:41 PM	56.2	59.1	54.6	72.7	56.1	59.1	54.6	72.6
10:26:41 PM	56.9	60.4	54.8	74.8	56.9	60.4	54.8	74.7
10:27:41 PM	61.2	69.5	54.6	82.6	61.2	69.4	54.5	82.4
10:28:41 PM	57.9	62.5	54.7	75.4	57.8	62.4	54.6	75.3
10:29:41 PM	56.9	62.8	54.7	76.4	56.9	62.7	54.6	76.1
10:30:41 PM	56.2	60.4	54.7	73.2	56.1	60.3	54.6	73.1
10:31:41 PM	58.6	64.4	54.6	77.7	58.5	64.4	54.5	77.5
10:32:41 PM	57.6	63.5	54.5	78.6	57.5	63.4	54.4	78.7
10:33:41 PM	58.2	65.8	54.5	79.7	58.1	65.8	54.4	79.6
10:34:41 PM	55.9	57.8	54.4	71.7	55.8	57.7	54.3	71.9
10:35:41 PM	57.7	60.3	54.5	73.5	57.6	60.2	54.4	73.4
10:36:41 PM	56.6	60.3	54.8	73.7	56.5	60.2	54.7	73.8
10:37:41 PM	56.5	60.3	54.5	74.9	56.4	60.3	54.4	74.6
10:38:41 PM	58.4	64.3	54.7	79	58.3	64.3	54.6	79.1
10:39:41 PM	58.5	63.6	55	77.4	58.4	63.5	54.9	77
10:40:41 PM	57.8	61.9	55.3	75	57.7	61.9	55.2	74.5
10:41:41 PM	57.4	59.1	55	73.2	57.3	59.1	54.9	73
10:42:41 PM	57.3	63	54.6	75.4	57.2	62.9	54.6	75.8
10:43:41 PM	57.8	63	55	76	57.7	62.9	54.9	75.8
10:44:41 PM	55.5	59.7	54	72.9	55.5	59.6	53.9	72.6
10:45:41 PM	56.5	58	55	72.6	56.4	57.9	54.9	72.5
10:46:41 PM	57.3	62.3	54.8	75.7	57.2	62.3	54.8	75.7
10:47:41 PM	57.1	58.8	55.2	73.4	57	58.8	55.1	73
10:48:41 PM	57.7	62.2	55.2	74.8	57.6	62.1	55.1	74.9
10:49:41 PM	56	59.9	54.7	73.4	55.9	59.9	54.6	73.4
10:50:41 PM	55.5	57.3	54.5	72.4	55.5	57.2	54.4	72.2
10:51:41 PM	58	62.9	54.6	77	57.9	62.9	54.5	77
10:52:41 PM	56.5	59.3	55	72.4	56.5	59.2	55	72.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
10:53:41 PM	57.1	61.3	54.6	74.3	57	61.3	54.6	74.1
10:54:41 PM	56.2	57.5	54.9	72.4	56.2	57.4	54.9	72
10:55:41 PM	55.5	57.6	53.9	72	55.4	57.5	53.8	72.3
10:56:41 PM	57.3	60.5	55.1	74.5	57.3	60.4	55	74.7
10:57:41 PM	57.2	60	54.6	74.3	57.1	59.9	54.5	74.6
10:58:41 PM	56.9	63.2	54.1	78.1	56.8	63.1	54.1	78.1
10:59:41 PM	57.6	63.8	54	76.6	57.5	63.8	53.9	76.7
11:00:41 PM	56.9	62.1	54.3	75.6	56.8	62.1	54.3	75.6
11:01:41 PM	57.1	60.3	54.4	73.7	57.1	60.3	54.3	73.5
11:02:41 PM	56	59.6	54.3	74	55.9	59.5	54.1	73.6
11:03:41 PM	55.3	56.5	54.1	72	55.3	56.5	54.1	71.6
11:04:41 PM	56	57.5	54.9	73.1	55.9	57.4	54.9	72.8
11:05:41 PM	57.6	59.1	54.9	73.6	57.5	59	54.8	73.2
11:06:41 PM	56	58.7	54.1	72.8	55.9	58.6	54	73
11:07:41 PM	60	64.8	55.2	77.7	59.9	64.8	55.1	77.5
11:08:41 PM	59.2	66.3	55.1	81.5	59.2	66.2	55.1	81.5
11:09:41 PM	56.4	59.6	54.8	74.7	56.4	59.6	54.8	74.5
11:10:41 PM	56.1	58.2	54.6	72.4	56.1	58.2	54.6	72.1
11:11:41 PM	55.7	57.4	54.4	72.2	55.7	57.3	54.3	72.1
11:12:41 PM	56.3	60.5	54.5	73.8	56.2	60.4	54.5	73.6
11:13:41 PM	58.8	64.9	54.4	80.6	58.7	64.8	54.3	80.6
11:14:41 PM	58.6	66	54.5	79.6	58.5	66	54.4	79.4
11:15:41 PM	55.6	57.4	54.4	72.6	55.5	57.4	54.3	72.4
11:16:41 PM	56.9	61.2	53.6	74.1	56.8	61.1	53.5	74.2
11:17:41 PM	57	60.6	54	74.1	56.9	60.5	53.9	74.1
11:18:41 PM	57.8	62	54.1	74.9	57.7	62	54	75.1
11:19:41 PM	55.5	59.5	53.8	73.4	55.5	59.5	53.7	73.1
11:20:41 PM	55.5	58.1	54	72.4	55.4	58	53.9	72.7
11:21:41 PM	56.3	60.7	54.1	73.6	56.2	60.7	54	73.4
11:22:41 PM	55.2	57.5	53.3	71.9	55.1	57.4	53.2	72.1
11:23:41 PM	55.2	57.3	53.7	72.5	55.2	57.2	53.6	72.7
11:24:41 PM	55.1	57.5	53.7	72.4	55.1	57.4	53.6	71.8
11:25:41 PM	56.3	61.2	53.6	74.2	56.2	61.1	53.5	74.2
11:26:41 PM	56.6	58.9	53.7	73	56.5	58.8	53.6	72.9
11:27:41 PM	55.3	56.8	53.8	71.4	55.3	56.7	53.7	71.5
11:28:41 PM	54.6	55.8	53.7	72.2	54.5	55.6	53.6	72.9
11:29:41 PM	55.4	58.6	53.7	72.4	55.3	58.5	53.7	72.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
11:30:41 PM	56.9	60	54.1	74.5	56.8	59.9	54.1	73.8
11:31:41 PM	55.7	60.7	53.8	73.6	55.6	60.6	53.7	73.4
11:32:41 PM	59.6	67.1	53.4	79.5	59.5	67	53.4	79.6
11:33:41 PM	55.3	58.2	53.5	72.3	55.2	58.2	53.4	72.1
11:34:41 PM	55.9	59.3	54	73.5	55.8	59.3	53.9	73.6
11:35:41 PM	56.3	61.5	53.7	74.6	56.3	61.4	53.6	74.3
11:36:41 PM	56.2	60.9	53.6	74.3	56.1	60.8	53.5	74.1
11:37:41 PM	54.5	56.1	53.4	72	54.4	56	53.4	71.5
11:38:41 PM	55.5	59.3	53.7	74.1	55.4	59.3	53.6	74.3
11:39:41 PM	56	57.9	53.9	72.7	55.9	57.9	53.8	72.6
11:40:41 PM	54.7	56.3	52.8	74.4	54.6	56.3	52.8	74.1
11:41:41 PM	57.3	62.5	54.3	76	57.3	62.4	54.1	75.8
11:42:41 PM	55.1	56.3	54.1	71.8	55.1	56.2	54.1	71.7
11:43:41 PM	55	57	53.5	73	54.9	57	53.4	72.8
11:44:41 PM	57.2	63.1	54.1	75.9	57.1	63.1	54.1	75.9
11:45:41 PM	55.8	58.9	54.1	72.4	55.7	58.8	54	72.8
11:46:41 PM	55.5	57.3	54.4	72.6	55.4	57.3	54.3	72.1
11:47:41 PM	55.5	57.2	53.8	71.8	55.4	57.2	53.8	71.5
11:48:41 PM	55.4	56.8	54	72.3	55.3	56.7	53.9	72.1
11:49:41 PM	56	60.9	53.3	73.9	55.9	60.8	53.2	73.6
11:50:41 PM	55.7	57.5	53.6	72.7	55.6	57.5	53.6	72.7
11:51:41 PM	56.5	58.6	53.9	72.7	56.5	58.5	53.8	72.7
11:52:41 PM	56.5	60.2	54	75.7	56.4	60.2	53.9	75.5
11:53:41 PM	62.6	69	54.3	83.9	62.6	68.9	54.1	83.9
11:54:41 PM	56.2	62.3	53.6	75.3	56.2	62.2	53.6	75.3
11:55:41 PM	54.5	55.2	53.8	71.4	54.4	55.2	53.7	71.6
11:56:41 PM	54.8	55.6	53.9	71.9	54.7	55.6	53.8	72
11:57:41 PM	55.4	56.8	54	71.5	55.4	56.7	53.9	71.9
11:58:41 PM	54.8	57.6	53.7	71.6	54.7	57.5	53.6	71.6
11:59:41 PM	58.4	64.1	54.5	77	58.4	64	54.4	76.8
7/22/2021 12:00:41 AM	54.7	56	53.5	72	54.7	56	53.5	72.2
12:01:41 AM	54.6	57.6	53.2	72.5	54.5	57.6	53.2	72.5
12:02:41 AM	54.6	55.5	53.8	71.9	54.5	55.4	53.7	71.8
12:03:41 AM	55.9	59.7	54	74.2	55.9	59.7	53.9	74.2
12:04:41 AM	60.6	67.8	55	81.2	60.6	67.8	54.9	81.2
12:05:41 AM	56	58.2	53.8	73.1	55.9	58.1	53.8	72.9
12:06:41 AM	55.9	58.5	54	73.6	55.8	58.4	54	73.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
12:07:41 AM	58.4	66	53.7	79.7	58.3	65.9	53.7	79.9
12:08:41 AM	56	59.5	54.3	74.5	55.9	59.3	54.1	74.9
12:09:41 AM	55.2	57.5	54.1	71.8	55.1	57.5	54	72.1
12:10:41 AM	56.1	57.8	54.5	71.9	56	57.8	54.5	72
12:11:41 AM	58.3	65.4	54	78.3	58.3	65.3	54	78.1
12:12:41 AM	55.3	56.8	54	72	55.3	56.8	53.9	72
12:13:41 AM	54.9	56.4	53.5	71.7	54.8	56.4	53.4	71.5
12:14:41 AM	54.6	55.5	53.6	71.4	54.5	55.4	53.6	71.1
12:15:41 AM	55.5	57.9	54.1	73	55.5	57.8	54	72.7
12:16:41 AM	56	57.7	54.4	72.7	56	57.6	54.4	72.5
12:17:41 AM	55	56.2	53.8	71.4	54.9	56.1	53.8	71.6
12:18:41 AM	55.5	57.6	53.9	71.5	55.4	57.5	53.9	71.7
12:19:41 AM	54.9	56.2	54	71.6	54.8	56.2	53.9	71.9
12:20:41 AM	57.7	65.4	54.1	78.4	57.6	65.4	54	78.3
12:21:41 AM	55.6	57.8	54.1	72.6	55.6	57.7	54.1	72
12:22:41 AM	57.2	61.6	54	74.8	57.1	61.5	54	74.7
12:23:41 AM	54.9	57.2	53.6	72.3	54.8	57.2	53.6	72.5
12:24:41 AM	55.1	56.3	53.9	71.8	55.1	56.3	53.8	71.7
12:25:41 AM	55.6	59	53.4	72.6	55.5	58.9	53.4	73.2
12:26:41 AM	54.8	56.9	53.4	72.5	54.7	56.9	53.3	72.2
12:27:41 AM	54.4	55.8	53.2	71.5	54.3	55.6	53	71.6
12:28:41 AM	54.9	57.8	53.2	71.9	54.8	57.7	53.2	71.7
12:29:41 AM	55.3	58.9	53.4	73	55.2	58.9	53.4	72.7
12:30:41 AM	57	62.9	53.2	75.2	57	62.9	53	74.8
12:31:41 AM	54.2	55.9	52.6	72.2	54.1	55.8	52.6	72.4
12:32:41 AM	54.4	56.7	52.7	72.3	54.3	56.7	52.6	72
12:33:41 AM	54.9	59.5	52.4	73.3	54.9	59.5	52.2	72.8
12:34:41 AM	54.2	57.3	52.5	72	54.1	57.3	52.4	72.2
12:35:41 AM	55.6	58.2	53.3	72.5	55.5	58.2	53.2	72.5
12:36:41 AM	57.6	64.2	54	77.5	57.6	64.1	54	77.5
12:37:41 AM	57	59.6	55.2	74.3	56.9	59.5	55.1	73.9
12:38:41 AM	56.5	57.8	55.3	73.3	56.5	57.8	55.3	73.1
12:39:41 AM	59.1	64.7	55.5	79.1	59.1	64.6	55.5	79
12:40:41 AM	57.7	64.3	54.9	77.3	57.7	64.3	54.9	77.3
12:41:41 AM	58.1	63	54.9	76.3	58.1	62.9	54.9	76.1
12:42:41 AM	56.9	60	54	73.4	56.8	60	54	73.2
12:43:41 AM	54.3	56.6	52.7	71.8	54.3	56.6	52.6	71.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
12:44:41 AM	55.5	62.5	52.5	77.5	55.4	62.4	52.5	77.6
12:45:41 AM	54.8	57	52.6	71.8	54.7	57	52.5	71.6
12:46:41 AM	54.9	56.9	53.4	72.3	54.9	56.8	53.4	72.2
12:47:41 AM	58.4	65.8	53.6	78.2	58.4	65.7	53.6	78.1
12:48:41 AM	54.9	57	52.9	72.1	54.8	56.9	52.8	72
12:49:41 AM	54.7	56.9	53.2	72.1	54.6	56.8	53	71.5
12:50:41 AM	55.7	58.7	53.5	72.4	55.7	58.6	53.4	73.1
12:51:41 AM	55.5	58	53.4	72.7	55.4	57.9	53.4	73.7
12:52:41 AM	55.8	61.4	53.7	75.1	55.7	61.3	53.6	75.1
12:53:41 AM	55.5	61.3	54	72.1	55.5	61.3	53.9	72.5
12:54:41 AM	55.5	57.3	53.6	73.9	55.4	57.2	53.6	74
12:55:41 AM	55.3	60.9	52.2	74	55.3	60.9	52.1	74
12:56:41 AM	54.2	56.9	52.7	71.4	54.1	56.9	52.6	71.7
12:57:41 AM	54.6	57	53.3	71	54.5	57	53.3	71.4
12:58:41 AM	54.1	56.2	52.9	70.7	54.1	56.1	52.8	71.2
12:59:41 AM	54.8	57.8	53	71.9	54.8	57.8	52.9	71.7
1:00:41 AM	55.2	57.2	53.3	71.5	55.2	57.2	53.3	71.5
1:01:41 AM	54.5	56.3	53.4	70.7	54.4	56.2	53.3	70.7
1:02:41 AM	55.4	59.8	52.7	72.7	55.3	59.7	52.7	72.3
1:03:41 AM	54.3	57.2	52.1	71.6	54.3	57.2	52.1	70.9
1:04:41 AM	53.8	56.2	52.1	71.2	53.8	56.1	52.1	70.8
1:05:41 AM	54.6	56.5	53.4	70.9	54.5	56.4	53.4	71.1
1:06:41 AM	55	57.1	53	71.5	54.9	57	53	72
1:07:41 AM	54.5	56.2	53	72.5	54.5	56.1	52.9	72.7
1:08:41 AM	53.9	54.9	52.5	71	53.8	54.8	52.5	71.4
1:09:41 AM	53.7	54.6	52.7	70.5	53.6	54.6	52.7	70.7
1:10:41 AM	56.4	62.2	53.2	75.3	56.3	62.2	53	75.4
1:11:41 AM	56.5	61.5	53.8	75.1	56.5	61.5	53.7	74.8
1:12:41 AM	54.3	56.6	53.2	70.7	54.3	56.6	53.2	70.9
1:13:41 AM	56.8	63	53.6	75.4	56.8	62.9	53.5	75.4
1:14:41 AM	54.4	55.8	53.2	71.7	54.3	55.8	53	71.6
1:15:41 AM	55.9	58.6	53.4	72.7	55.8	58.5	53.4	72.1
1:16:41 AM	54	55.5	53	71.4	53.9	55.4	53	70.9
1:17:41 AM	54.2	56.9	52.8	71.8	54.1	56.8	52.7	71.4
1:18:41 AM	53.8	55.2	52.7	70.6	53.8	55.2	52.7	71.3
1:19:41 AM	55.5	60.6	53	73.5	55.5	60.5	53	73.6
1:20:41 AM	54.4	56.2	52.8	70.9	54.4	56.1	52.8	70.5

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
1:21:41 AM	54.3	56	53.4	71.7	54.2	56	53.3	72
1:22:41 AM	54.8	57.4	53.3	72	54.7	57.3	53.3	72
1:23:41 AM	54.2	55.6	53.3	71.6	54.1	55.6	53.3	71.5
1:24:41 AM	53.8	54.6	52.9	70.4	53.8	54.6	52.8	70.4
1:25:41 AM	54.1	57.1	52.7	70.7	54	57.1	52.7	70.7
1:26:41 AM	57.4	65.1	53.5	78.6	57.3	65	53.4	78.3
1:27:41 AM	55.3	57.6	53.8	71.5	55.2	57.6	53.8	71.3
1:28:41 AM	55.8	60.7	53.7	73.8	55.8	60.6	53.7	73.8
1:29:41 AM	59.1	67	53.9	79.8	59.1	67	53.8	79.6
1:30:41 AM	54.4	56.3	53.2	70.7	54.4	56.3	53	70.5
1:31:41 AM	55	57.7	53.4	71.9	54.9	57.7	53.4	71.8
1:32:41 AM	57	62.1	53.8	75.4	56.9	62.1	53.7	75.7
1:33:41 AM	61.2	69.8	54.6	85.4	61.2	69.8	54.5	85.4
1:34:41 AM	56.6	62.5	53.7	76.5	56.5	62.5	53.7	76.3
1:35:41 AM	54.5	56.9	53	70.9	54.5	56.8	52.9	71.4
1:36:41 AM	55.5	58	53	71.7	55.4	58	53	71.7
1:37:41 AM	55.2	57.4	53.6	71.1	55.2	57.4	53.5	71.4
1:38:41 AM	54.8	57.6	53.2	71.6	54.7	57.6	53.2	71.6
1:39:41 AM	60.1	66.6	53.2	78.6	60	66.6	53	78.6
1:40:41 AM	54.7	57.7	52.9	71.3	54.6	57.7	52.8	71.2
1:41:41 AM	55.2	57.1	53	71.6	55.1	57	53	71.8
1:42:41 AM	55.8	61.6	52.8	73.7	55.7	61.5	52.7	73.3
1:43:41 AM	58.1	61.4	54.7	75.4	58	61.4	54.7	75
1:44:41 AM	57.6	62.1	54.7	75.2	57.5	62	54.7	75.1
1:45:41 AM	55.3	58.2	53.3	72.4	55.3	58.1	53.3	72.1
1:46:41 AM	54.7	57	52.9	71.8	54.7	57	52.9	71.4
1:47:41 AM	53.7	54.8	52.6	71.3	53.6	54.7	52.5	71.4
1:48:41 AM	53.5	54.4	52.2	70.4	53.4	54.3	52.2	70.3
1:49:41 AM	56.4	60.6	52.9	73.6	56.4	60.5	52.8	73.8
1:50:41 AM	54.8	60.9	51.3	74	54.8	60.9	51.1	74
1:51:41 AM	53.1	54.4	51.5	70.1	53.1	54.4	51.4	70
1:52:41 AM	54.6	60.7	52.1	74.2	54.5	60.7	52	74.2
1:53:41 AM	54.8	58.1	52.2	71.5	54.7	58	52.1	72
1:54:41 AM	54.6	60.4	52.2	73	54.6	60.4	52.1	72.7
1:55:41 AM	53.5	57.2	52.1	73.3	53.4	57.1	52	73.4
1:56:41 AM	53.3	55	52.1	70.8	53.3	55	52	70.8
1:57:41 AM	53.3	54.7	52.4	70	53.3	54.6	52.2	70.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
1:58:41 AM	53.6	55.3	52.5	70.1	53.6	55.3	52.4	69.8
1:59:41 AM	53.8	57.2	52.2	70.7	53.8	57.2	52.1	70.5
2:00:41 AM	53.8	55.1	52.5	70.6	53.7	55	52.4	70.1
2:01:41 AM	57.1	64.8	53.9	77.6	57	64.7	53.8	77.5
2:02:41 AM	56.9	61.3	54	74.3	56.8	61.3	53.9	74.3
2:03:41 AM	56	59.1	54.5	73.6	56	59.1	54.4	73.6
2:04:41 AM	58	63.4	55.1	75.5	58	63.4	55.1	75.5
2:05:41 AM	60.3	64.9	57	78.1	60.3	64.9	57	78.4
2:06:41 AM	57.3	58.3	56.3	72.6	57.3	58.3	56.3	72.4
2:07:41 AM	56.5	58.2	54	72.5	56.5	58.2	54	72.3
2:08:41 AM	57.5	63.3	54.4	76.4	57.5	63.2	54.3	76.6
2:09:41 AM	55.7	58.8	53.8	72.9	55.6	58.7	53.7	72.9
2:10:41 AM	55.3	57.4	53.4	71.1	55.3	57.4	53.4	71.4
2:11:41 AM	55.1	57.8	52.9	73.3	55	57.8	52.9	73.2
2:12:41 AM	54.9	56.9	52.8	71.5	54.8	56.8	52.8	71.2
2:13:41 AM	54.7	57.4	53.5	72.1	54.7	57.4	53.4	71.7
2:14:41 AM	54.5	56.5	52.8	70.8	54.4	56.4	52.7	70.6
2:15:41 AM	57.9	62.4	53.2	75.4	57.8	62.3	53.2	75.4
2:16:41 AM	56.2	59.1	53.3	75.2	56.2	59.1	53.2	75.1
2:17:41 AM	55.3	59.6	53.5	73.6	55.2	59.6	53.4	73.5
2:18:41 AM	57.4	63.1	52.6	75.8	57.4	63.1	52.5	75.7
2:19:41 AM	55.3	61.7	52.4	75.2	55.2	61.6	52.4	75.3
2:20:41 AM	55.5	63.1	52.1	75.3	55.5	63.1	52.1	75.3
2:21:41 AM	52.9	54.6	51.4	70.5	52.8	54.5	51.4	70.4
2:22:41 AM	60.6	71	50.7	83.3	60.5	70.9	50.6	83.2
2:23:41 AM	58.3	67.2	51.3	79.9	58.2	67.1	51.3	79.9
2:24:41 AM	52.5	54.9	51.3	68.9	52.5	54.8	51.3	68.2
2:25:41 AM	51.7	53.9	51	69.6	51.7	53.8	51	70.1
2:26:41 AM	52.2	54.3	50.9	67.7	52.1	54.1	50.9	67.7
2:27:41 AM	51.7	53.5	50.8	67.5	51.6	53.5	50.8	67.3
2:28:41 AM	57.4	63.7	51.9	76.6	57.3	63.7	51.9	76.4
2:29:41 AM	64.2	72.8	53	87.3	64.1	72.8	53	87.3
2:30:41 AM	52.9	60.2	51.3	71.3	52.9	60.2	51.3	71.3
2:31:41 AM	52.4	54	51.5	68.1	52.3	54	51.5	68
2:32:41 AM	52	54.6	51.3	68.5	52	54.6	51.1	68.4
2:33:41 AM	52.4	54.3	51.4	68.1	52.3	54.3	51.3	67.9
2:34:41 AM	52.7	54.9	51.1	68.3	52.6	54.8	51.1	68.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
2:35:41 AM	53.3	57.3	51.5	70.5	53.3	57.2	51.5	70.7
2:36:41 AM	54.6	60.1	51.7	72.5	54.6	60	51.6	72.4
2:37:41 AM	56.1	63.5	52	76.4	56.1	63.4	52	76.4
2:38:41 AM	56.1	61.7	51.7	74.2	56.1	61.6	51.7	73.9
2:39:41 AM	56.2	63.1	52.2	75.7	56.1	63	52.1	75.6
2:40:41 AM	57.2	64.7	52	77.9	57.1	64.6	52	77.7
2:41:41 AM	54	57.5	51.1	72.2	53.9	57.4	51.1	72.1
2:42:41 AM	52.4	54.6	51.3	71.7	52.3	54.6	51.3	71.6
2:43:41 AM	54.9	60.8	52	73.6	54.9	60.8	51.9	73.4
2:44:41 AM	56.3	59.9	53.7	73.6	56.2	59.9	53.7	73.5
2:45:41 AM	55.4	58.2	54	72.7	55.4	58.1	53.9	72.5
2:46:41 AM	58.1	62.4	55.3	76	58.1	62.4	55.3	75.8
2:47:41 AM	64.2	75.7	53	91.7	64.2	75.7	53	91.6
2:48:41 AM	63	75.7	52.8	88.6	62.9	75.7	52.8	88.6
2:49:41 AM	56.6	62.5	52.1	74.6	56.6	62.5	52	74.8
2:50:41 AM	54.7	57.6	52.9	70.8	54.7	57.6	52.8	70.6
2:51:41 AM	56	60.4	53.6	74.4	56	60.4	53.5	74.7
2:52:41 AM	54.5	55.9	53.7	70	54.5	55.8	53.7	70.3
2:53:41 AM	55.4	58.8	52.6	72.7	55.4	58.8	52.6	72.8
2:54:41 AM	54.3	56.9	52.5	74	54.2	56.9	52.5	73.8
2:55:41 AM	53.4	55.5	52.2	69	53.3	55.4	52.1	68.9
2:56:41 AM	53.1	56.2	50.8	73.7	53	56.1	50.7	73.8
2:57:41 AM	52.4	55.3	50.8	71.6	52.4	55.3	50.8	72.2
2:58:41 AM	58.2	60.8	52.9	74.9	58.1	60.7	52.9	74.9
2:59:41 AM	55.1	60.4	52.4	74.5	55	60.4	52.4	74.6
3:00:41 AM	55.2	56.8	53.7	71.6	55.1	56.8	53.7	72.2
3:01:41 AM	54.4	55.3	53.8	70.1	54.4	55.3	53.8	70
3:02:41 AM	54.8	57.1	53.7	75.1	54.7	57	53.7	75.2
3:03:41 AM	74.3	87.2	53.9	100.1	74.3	87.2	53.8	100.1
3:04:41 AM	72	82.8	53.3	95.5	71.9	82.7	53.3	95.4
3:05:41 AM	56.5	63.1	53	76.1	56.5	63.1	52.9	76.2
3:06:41 AM	54.5	56.5	52.9	70.5	54.5	56.5	52.9	70.4
3:07:41 AM	56.1	60.2	53.6	74.5	56	60.2	53.5	74.2
3:08:41 AM	54.1	54.7	53.5	69.3	54.1	54.7	53.4	69.4
3:09:41 AM	55.9	57.4	53.5	71.8	55.8	57.4	53.5	71.5
3:10:41 AM	55	56.7	53.4	70.6	54.9	56.7	53.4	70.5
3:11:41 AM	56.2	59.7	53.5	73.1	56.2	59.6	53.5	73.3

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:12:41 AM	55	56.6	53.8	70.6	55	56.5	53.8	71
3:13:41 AM	58.4	63.5	53.8	76.6	58.4	63.5	53.8	76.4
3:14:41 AM	55.9	60.4	53.6	73.2	55.9	60.4	53.6	73.1
3:15:41 AM	54.5	56	53.6	70.2	54.5	55.9	53.5	70.3
3:16:41 AM	56.2	60.7	53.6	74.3	56.2	60.7	53.5	74.1
3:17:41 AM	56.9	62	54.5	75	56.9	61.9	54.5	74.8
3:18:41 AM	55.3	56.2	54.6	71.5	55.3	56.1	54.6	71.8
3:19:41 AM	55.2	56.7	54.3	71.6	55.2	56.7	54.1	71.4
3:20:41 AM	55.8	58.4	54.4	73.2	55.7	58.4	54.4	72.9
3:21:41 AM	57.3	61.5	54.5	74.4	57.3	61.5	54.5	74.6
3:22:41 AM	58	66.1	54.3	78.1	57.9	66	54.3	78.3
3:23:41 AM	57.9	63.5	54.7	76.3	57.9	63.4	54.6	76.1
3:24:41 AM	55.4	58.2	54.1	72.2	55.4	58.2	54.1	71.6
3:25:41 AM	58.6	66.1	54.3	80.5	58.6	66	54.3	80.3
3:26:41 AM	55.6	58.7	54	72.2	55.5	58.7	53.9	72.3
3:27:41 AM	55.6	58.5	54	72.2	55.6	58.5	53.9	72.4
3:28:41 AM	57.1	62.3	53.9	75.7	57	62.3	53.8	75.8
3:29:41 AM	55.4	58.5	53.6	72.6	55.4	58.4	53.6	72.1
3:30:41 AM	55.3	58.6	52.6	71.8	55.3	58.5	52.6	71.8
3:31:41 AM	54.8	56.5	53.4	71.6	54.8	56.4	53.3	71.2
3:32:41 AM	57.6	63.7	53.2	76.9	57.5	63.7	53	76.5
3:33:41 AM	53.6	59.3	51.9	72.5	53.6	59.2	51.8	72.7
3:34:41 AM	55.5	58.4	52.6	71.6	55.5	58.4	52.6	71
3:35:41 AM	52.2	54.4	50.2	68.3	52.2	54.4	50.2	68.1
3:36:41 AM	52.9	57.7	50.2	71.5	52.8	57.6	50.1	71.6
3:37:41 AM	55.1	62	50.1	74.5	55	61.9	50.1	74.1
3:38:41 AM	54.3	57.2	51	70.8	54.2	57.1	50.9	70.3
3:39:41 AM	52.8	55	50.7	68.3	52.8	54.9	50.6	67.9
3:40:41 AM	51.3	54.6	49.8	68.2	51.3	54.6	49.7	67.7
3:41:41 AM	54.4	59.1	51	72.2	54.4	59.1	50.9	72
3:42:41 AM	53.4	56.9	51.3	70.5	53.4	56.9	51.1	70.5
3:43:41 AM	54.6	61.4	51	78.9	54.5	61.3	51	78.7
3:44:41 AM	53.4	56.4	50.5	69.5	53.4	56.3	50.5	68.9
3:45:41 AM	53.8	58.1	52.1	71.7	53.7	58.1	52.1	71.9
3:46:41 AM	53.8	56.9	51	71.1	53.7	56.9	50.9	70.7
3:47:41 AM	58	60.6	52.4	74.8	57.9	60.6	52.4	74.7
3:48:41 AM	57.2	61	51.5	75.3	57.1	60.9	51.5	75.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:49:41 AM	52.3	53.9	51	67.9	52.2	53.8	50.9	68
3:50:41 AM	53	57.2	50.1	72.4	52.9	57.1	50.1	72.3
3:51:41 AM	55.4	63.5	49.6	76	55.3	63.4	49.6	75.8
3:52:41 AM	54.5	57.9	50.8	70.3	54.5	57.8	50.7	70.3
3:53:41 AM	52.5	59.1	49.6	73.1	52.5	59.1	49.6	73.3
3:54:41 AM	54.8	62.1	49.9	74.9	54.7	62.1	49.8	74.7
3:55:41 AM	55.3	62.1	50.6	75.5	55.2	62	50.6	75.2
3:56:41 AM	56.3	64.1	50.7	78	56.3	64	50.6	77.7
3:57:41 AM	58.6	69.7	49.9	83.9	58.6	69.7	49.9	83.8
3:58:41 AM	51.2	53.2	49.7	66.9	51.2	53.2	49.7	66.7
3:59:41 AM	52.6	55.4	50.2	69	52.6	55.4	50.2	68.5
4:00:41 AM	60.8	68	50.6	81.6	60.8	67.9	50.6	81.5
4:01:41 AM	56.8	65.8	50.6	77.7	56.8	65.8	50.5	77.5
4:02:41 AM	55.9	61.4	51.4	73.1	55.8	61.3	51.4	73
4:03:41 AM	54.8	61.1	50.8	73.9	54.8	61	50.7	73.7
4:04:41 AM	55.1	65.4	50.3	79.2	55	65.4	50.3	79.1
4:05:41 AM	79	87.7	52.8	102.1	79	87.6	52.8	102.1
4:06:41 AM	62.4	70.4	58.6	84.4	62.4	70.4	58.5	84.3
4:07:41 AM	66.2	71.9	59	84	66.2	71.8	58.9	83.9
4:08:41 AM	60.2	64.5	51.8	77.2	60.1	64.4	51.7	77.2
4:09:41 AM	57.6	61.7	52.1	76.6	57.6	61.6	52	76.5
4:10:41 AM	56.3	61.9	51.5	75.4	56.3	61.9	51.5	75.6
4:11:41 AM	57	61.9	50.6	74.7	57	61.9	50.6	74.4
4:12:41 AM	51.8	54.4	49.5	67.8	51.7	54.3	49.5	68
4:13:41 AM	54	59.9	49.6	72.2	53.9	59.9	49.6	72.4
4:14:41 AM	52.8	57.3	50.7	69.6	52.7	57.2	50.7	69.5
4:15:41 AM	53.8	59.1	50.2	72.1	53.7	59	50.2	72.1
4:16:41 AM	52.9	56.1	50.8	68.4	52.8	56.1	50.8	68.3
4:17:41 AM	53.4	56.8	50.9	69.7	53.3	56.7	50.9	69.8
4:18:41 AM	53.2	56	51.3	70.1	53.2	56	51.1	69.9
4:19:41 AM	55.5	59.3	51.1	73	55.4	59.2	51.1	73
4:20:41 AM	56.2	63	52.4	75.2	56.2	62.9	52.2	75
4:21:41 AM	54.2	58.6	51.6	71.7	54.2	58.6	51.5	71.5
4:22:41 AM	55.7	62.3	51.1	75.8	55.7	62.2	51	75.7
4:23:41 AM	56.1	60.1	53.3	73.8	56	60	53.2	73.4
4:24:41 AM	54.6	60.5	51.5	72.8	54.6	60.5	51.5	72.9
4:25:41 AM	57.9	65.3	51.9	78.8	57.9	65.2	51.9	78.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
4:26:41 AM	55.1	59.3	50.7	73.7	55.1	59.2	50.6	73.1
4:27:41 AM	51.6	54.4	49.9	68.6	51.5	54.3	49.8	68.3
4:28:41 AM	54.9	59.2	51	72.6	54.8	59.2	50.9	72.5
4:29:41 AM	65.8	77.1	51	88.5	65.7	77	50.9	88.4
4:30:41 AM	56.4	61.7	50.9	74.1	56.3	61.6	50.8	74.1
4:31:41 AM	56.1	61.4	51.6	74.2	56.1	61.4	51.5	73.7
4:32:41 AM	56.7	62.1	51	74.7	56.6	62	51	74.7
4:33:41 AM	54.5	60.3	50.6	73.7	54.5	60.3	50.6	73.5
4:34:41 AM	54	61.3	51.3	75.2	54	61.2	51.3	75
4:35:41 AM	56.3	64.6	52.5	77.2	56.3	64.5	52.4	77.1
4:36:41 AM	58.8	65.7	52.5	84.5	58.8	65.6	52.5	84.3
4:37:41 AM	53.3	56.7	50.6	70.1	53.2	56.6	50.5	69.8
4:38:41 AM	55.9	60.4	52.4	75.1	55.8	60.4	52.2	75.2
4:39:41 AM	56.3	61.6	52.5	74.3	56.2	61.6	52.4	74.7
4:40:41 AM	56.5	62.3	51.8	75.2	56.5	62.2	51.7	75.2
4:41:41 AM	59.4	68.5	52	81.9	59.3	68.4	52	81.8
4:42:41 AM	56.9	61.2	52	74.5	56.9	61.1	52	74.7
4:43:41 AM	58.9	63.3	51.5	76.7	58.8	63.2	51.5	76.4
4:44:41 AM	55.2	58.3	51.6	72.1	55.1	58.3	51.5	72
4:45:41 AM	54.7	57.3	51.6	70.6	54.7	57.2	51.5	70.6
4:46:41 AM	55.8	58.7	52.6	74	55.8	58.6	52.6	74.3
4:47:41 AM	55.2	59.8	52	75.1	55.1	59.7	52	74.9
4:48:41 AM	55	59.8	51.9	72.6	55	59.7	51.8	72.9
4:49:41 AM	59.8	65.9	53.5	78.9	59.8	65.8	53.5	78.8
4:50:41 AM	56.3	60.3	53.6	73.8	56.3	60.3	53.5	73.8
4:51:41 AM	53.6	55.2	52	69.5	53.5	55.1	52	68.3
4:52:41 AM	78.9	88.2	53.5	101.1	78.9	88.1	53.5	101
4:53:41 AM	64.4	76.9	61.4	78.7	64.4	76.8	61.3	78.5
4:54:41 AM	60	63.1	57.9	75.4	59.9	63.1	57.8	75
4:55:41 AM	60.7	61.5	60	74.7	60.6	61.5	59.9	74.8
4:56:41 AM	60.8	62.3	59.1	77.2	60.8	62.3	59	77.1
4:57:41 AM	54.9	59.2	51.5	71.6	54.8	59.1	51.4	71.4
4:58:41 AM	55.2	61.9	50.6	76.3	55.1	61.8	50.5	76.2
4:59:41 AM	55.8	61.4	49.1	74.8	55.8	61.4	49	74.9
5:00:41 AM	50.8	53.6	49.1	67	50.7	53.5	49.1	67.6
5:01:41 AM	54.3	59	48.7	71.9	54.2	58.9	48.7	72
5:02:41 AM	60.1	65.3	53.6	78.3	60	65.2	53.5	78.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
5:03:41 AM	54.7	58	50.9	72.6	54.6	58	50.9	72.6
5:04:41 AM	55.3	58.4	50.6	70.7	55.2	58.3	50.5	70.7
5:05:41 AM	59.5	64.4	53.3	76.8	59.4	64.4	53.2	76.7
5:06:41 AM	55.6	60.6	52.2	73.1	55.6	60.5	52.1	72.8
5:07:41 AM	53.7	59	50.3	72.6	53.7	59	50.2	72.2
5:08:41 AM	56.2	59.1	53.5	73.3	56.1	59.1	53.4	73
5:09:41 AM	53.3	55.8	51.5	68.9	53.3	55.6	51.5	69
5:10:41 AM	54.2	60.9	51.8	74.5	54.1	60.8	51.8	74.3
5:11:41 AM	58.3	62.2	54	75.7	58.3	62.2	53.9	75.3
5:12:41 AM	55.2	58.5	53.2	71.9	55.2	58.4	53	71.8
5:13:41 AM	56.1	63.4	52	75	56	63.3	51.9	74.5
5:14:41 AM	57.5	61.3	51.3	76	57.4	61.3	51.3	75.7
5:15:41 AM	54.6	61.1	51.5	71.7	54.6	61.1	51.5	71.7
5:16:41 AM	56.2	61.6	50.9	74.5	56.2	61.6	50.8	74.4
5:17:41 AM	60.1	64.2	52.1	77.2	60.1	64.1	52	77.1
5:18:41 AM	57.2	62.1	53	74.9	57.1	62	52.9	74.8
5:19:41 AM	55.8	62.2	50.8	75.6	55.7	62.1	50.8	75.2
5:20:41 AM	58.7	62.6	52.5	76.6	58.6	62.5	52.4	76.3
5:21:41 AM	55.9	59	53.6	73	55.8	59	53.5	73.1
5:22:41 AM	52.7	57.2	50.6	69.2	52.7	57.2	50.5	69.4
5:23:41 AM	59.2	63.2	53.9	76.1	59.1	63.1	53.8	76.3
5:24:41 AM	54.8	59	51.6	70.5	54.7	58.9	51.5	70.5
5:25:41 AM	54.3	57.4	51.9	72	54.2	57.3	51.9	71.6
5:26:41 AM	62.6	69.2	55	82	62.6	69.2	54.8	81.9
5:27:41 AM	78.6	87.9	55.6	102	78.5	87.8	55.5	102
5:28:41 AM	62.8	65.2	60.3	82	62.8	65.1	60.3	82
5:29:41 AM	63.4	67.9	59.9	80.8	63.4	67.8	59.8	81
5:30:41 AM	60.4	64.6	55.4	76.8	60.3	64.5	55.3	76.7
5:31:41 AM	56.3	59.5	53.5	73.3	56.3	59.5	53.4	73.1
5:32:41 AM	59.8	62.2	56.5	76.1	59.7	62.1	56.5	75.7
5:33:41 AM	58.7	63.3	55.5	76.3	58.7	63.3	55.5	76
5:34:41 AM	54.5	60.1	52.4	74.1	54.4	60.1	52.2	73.6
5:35:41 AM	59.4	64	54.3	77.2	59.4	63.9	54.3	77
5:36:41 AM	61	66.6	55.8	79.8	61	66.6	55.8	79.7
5:37:41 AM	55.2	58.5	52.6	72	55.1	58.4	52.6	71.2
5:38:41 AM	60	65.1	52.4	76.4	60	65	52.2	76.4
5:39:41 AM	59.1	64.3	54.9	76.7	59	64.2	54.8	76.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
5:40:41 AM	58.5	64.9	51.8	78.5	58.4	64.8	51.7	78.3
5:41:41 AM	60.2	62.8	55.5	76.9	60.2	62.8	55.5	76.6
5:42:41 AM	61.6	66.3	57.7	78.8	61.6	66.2	57.7	79
5:43:41 AM	55.5	64.9	51.6	76.5	55.5	64.9	51.5	76.4
5:44:41 AM	59.9	63.3	52	75.8	59.9	63.3	51.9	76
5:45:41 AM	61	67.5	55.6	79.9	60.9	67.5	55.5	80
5:46:41 AM	57.1	61.9	54.3	75.1	57.1	61.8	54.1	75.2
5:47:41 AM	58.7	64.1	52.6	77.2	58.7	64.1	52.5	77.2
5:48:41 AM	64.1	72.5	58.1	87.3	64.1	72.5	58	87.2
5:49:41 AM	71.9	85.7	51.1	101.3	71.8	85.7	51	101.2
5:50:41 AM	64.2	78.7	55.4	78.9	64.1	78.6	55.3	78.9
5:51:41 AM	60.1	63	52.6	76.1	60	63	52.6	76
5:52:41 AM	55.5	57.9	51.6	71.2	55.5	57.8	51.5	71.2
5:53:41 AM	59.5	64	54	76.4	59.5	64	54	76.6
5:54:41 AM	61.4	65.5	53	79.4	61.3	65.4	52.9	79.3
5:55:41 AM	55.3	60.8	52.2	74.6	55.2	60.7	52.1	74.1
5:56:41 AM	61.1	65	52.8	79.9	61.1	64.9	52.7	79.6
5:57:41 AM	62.6	65.8	55.9	79.1	62.5	65.8	55.8	79.3
5:58:41 AM	60.4	64.5	56.5	77.4	60.3	64.4	56.4	77.4
5:59:41 AM	59.8	64	55.1	77.2	59.8	64	55	77.5
6:00:41 AM	61.2	64.1	57.6	77.8	61.1	64	57.6	77.5
6:01:41 AM	56.9	59.5	54.3	73.3	56.8	59.3	54.1	73.3
6:02:41 AM	60.9	63.6	54.1	76.8	60.8	63.6	54.1	76.7
6:03:41 AM	60.4	62.9	57.7	76.1	60.3	62.9	57.6	76.2
6:04:41 AM	58.7	59.9	56.3	74.8	58.6	59.8	56.3	74.3
6:05:41 AM	61.6	66.9	56.8	81.7	61.5	66.9	56.7	81.6
6:06:41 AM	62.9	67.2	56.9	81.3	62.9	67.2	56.9	81.3
6:07:41 AM	60.7	64	56.8	77.3	60.6	64	56.7	77
6:08:41 AM	61.1	62.3	59.1	76	61.1	62.3	59.1	75.8
6:09:41 AM	60.5	64.1	56.1	77.3	60.5	64.1	56	77.4
6:10:41 AM	62.4	64.1	59.5	77.1	62.3	64	59.3	77.2
6:11:41 AM	62.1	65.8	58.6	79.8	62.1	65.8	58.5	79.9
6:12:41 AM	61.9	65.1	57.1	77.7	61.8	65	57.1	77.7
6:13:41 AM	61.5	63.7	57	77.3	61.4	63.7	57	77.5
6:14:41 AM	61.8	64.3	59.5	79.1	61.8	64.3	59.3	79.2
6:15:41 AM	62.6	63.9	60.5	77.9	62.5	63.9	60.5	78
6:16:41 AM	61.3	63.6	59.6	77	61.3	63.6	59.6	76.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
6:17:41 AM	64.1	67.4	59.7	81.6	64	67.4	59.7	81.5
6:18:41 AM	62.7	64.4	58.9	77.8	62.6	64.3	58.8	77.7
6:19:41 AM	63.1	67.9	58.1	82	63	67.8	58.1	82
6:20:41 AM	62.1	65.1	58.3	77.9	62.1	65	58.2	78
6:21:41 AM	64.5	71.1	60.5	84.4	64.5	71.1	60.4	84.2
6:22:41 AM	61.3	70.3	54.5	80.7	61.3	70.2	54.4	80.4
6:23:41 AM	61.8	65.2	57.4	78.5	61.8	65.1	57.4	78.4
6:24:41 AM	61.3	64.3	57.6	77.9	61.3	64.2	57.5	78.1
6:25:41 AM	61	68.5	56.3	83.8	61	68.4	56.2	83.6
6:26:41 AM	60	64.3	54.7	78.6	59.9	64.3	54.7	78.7
6:27:41 AM	59	61.6	55.6	74.6	58.9	61.6	55.5	74.4
6:28:41 AM	63.8	75.6	54.7	88.9	63.8	75.6	54.6	88.8
6:29:41 AM	61.9	65.1	55.4	78.5	61.8	65	55.3	78.6
6:30:41 AM	60	63.6	55	76.6	60	63.5	55	76.6
6:31:41 AM	59.9	64.8	54.8	76.5	59.9	64.8	54.7	76.4
6:32:41 AM	62.1	67.2	57.4	81.2	62.1	67.1	57.3	81.1
6:33:41 AM	60.7	62.8	56.1	77.2	60.6	62.7	56	77.2
6:34:41 AM	57.9	63.3	53.6	76.4	57.9	63.2	53.5	76.1
6:35:41 AM	60.1	64.6	53.9	77.3	60	64.5	53.9	77.3
6:36:41 AM	60.7	62.3	58.4	76.6	60.6	62.2	58.4	76.7
6:37:41 AM	57.2	61.1	52.9	73.6	57.1	61	52.8	73.7
6:38:41 AM	61.4	65.9	57.8	79.1	61.4	65.8	57.8	79.2
6:39:41 AM	61.1	65.8	57.4	84.1	61	65.8	57.3	84.1
6:40:41 AM	56.3	61.1	51.3	74.5	56.2	61	51.3	74.4
6:41:41 AM	61.2	66.2	52.9	78.1	61.1	66.1	52.8	78.1
6:42:41 AM	62.1	68.9	56.9	82.6	62.1	68.9	56.8	82.6
6:43:41 AM	56.5	62.6	52.9	74.8	56.5	62.5	52.9	74.8
6:44:41 AM	61.7	69.1	55	83.6	61.6	69.1	55	83.6
6:45:41 AM	60.4	65.3	53.9	77.1	60.3	65.2	53.9	77.1
6:46:41 AM	55.6	61	52.8	75.5	55.5	61	52.7	75.4
6:47:41 AM	59.8	65.5	55.1	78.5	59.8	65.5	55	78.4
6:48:41 AM	61.3	66.1	58.9	78.9	61.3	66.1	58.8	78.8
6:49:41 AM	60.9	64.6	56.8	77.9	60.8	64.5	56.7	77.9
6:50:41 AM	58.4	63	55	75.3	58.3	62.9	54.9	75.6
6:51:41 AM	60.7	63.9	57.6	77.6	60.6	63.9	57.6	77.6
6:52:41 AM	65.3	73.2	54	86.5	65.2	73.1	53.9	86.4
6:53:41 AM	60.4	67.1	55.3	81.6	60.3	67.1	55.2	81.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
6:54:41 AM	61.2	67	55.9	79.7	61.1	66.9	55.8	79.5
6:55:41 AM	56.7	61.4	53.2	76.2	56.6	61.3	53.2	76.2
6:56:41 AM	61.5	66.9	54.3	79.5	61.4	66.8	54.3	79.4
6:57:41 AM	62.3	66	58.3	79.1	62.3	66	58.2	79.2
6:58:41 AM	58.5	61.8	54.1	76.7	58.5	61.8	54	76.4
6:59:41 AM	60.5	64.6	54	78.1	60.4	64.5	53.9	77.9
7:00:41 AM	61.8	64.6	58.6	76.6	61.7	64.5	58.6	76.6
7:01:41 AM	57	62.2	53.4	74.2	57	62.2	53.4	74.1
7:02:41 AM	59.3	65.5	54.1	79.3	59.2	65.4	54	79.2
7:03:41 AM	60.3	65.8	52.9	78.7	60.2	65.7	52.8	78.6
7:04:41 AM	55.4	61.3	51.1	74.8	55.3	61.3	51.1	75
7:05:41 AM	64.7	74.7	55.6	89.7	64.7	74.7	55.6	89.6
7:06:41 AM	61	65.2	54.8	78.5	60.9	65.2	54.7	78.4
7:07:41 AM	56.5	63.1	52.8	75.8	56.4	63.1	52.7	75.7
7:08:41 AM	61.2	67	56.4	78.4	61.2	67	56.3	78.5
7:09:41 AM	74.8	84.9	57.4	97.6	74.7	84.9	57.3	97.5
7:10:41 AM	58.1	65.9	53.4	79.3	58.1	65.8	53.4	79.4
7:11:41 AM	61.7	66.8	54	79.9	61.6	66.8	53.9	80
7:12:41 AM	61.3	64.6	58.5	76.7	61.2	64.5	58.5	76.6
7:13:41 AM	59	65.9	54	78.7	58.9	65.8	53.9	78.6
7:14:41 AM	60.1	63.7	53.9	77.6	60	63.6	53.8	77.6
7:15:41 AM	60.4	63.5	56.3	75.9	60.4	63.5	56.3	75.9
7:16:41 AM	54.3	56.7	50.5	71.5	54.2	56.6	50.3	71.1
7:17:41 AM	58.2	62.3	51.7	75.5	58.1	62.2	51.6	75.6
7:18:41 AM	60.8	63.1	57.5	76.2	60.8	63	57.5	76.1
7:19:41 AM	56.6	61.9	51.4	74.5	56.5	61.8	51.4	74.9
7:20:41 AM	60.9	66.1	55.8	79.5	60.8	66	55.8	79.4
7:21:41 AM	62	70.3	55.4	85	62	70.2	55.4	85
7:22:41 AM	58.3	63.3	51.1	76	58.3	63.3	51.1	75.9
7:23:41 AM	61.5	66.5	55.5	79	61.4	66.5	55.4	78.7
7:24:41 AM	61.9	66.7	58.2	79.7	61.8	66.6	58.2	79.6
7:25:41 AM	56.2	61.1	51.1	72.7	56.1	61.1	51	72.8
7:26:41 AM	64.6	73.7	52.4	88.6	64.6	73.6	52.2	88.7
7:27:41 AM	59.8	62.3	56.1	75.6	59.7	62.2	56.1	75.8
7:28:41 AM	60	66.8	55.2	80	59.9	66.8	55.1	79.9
7:29:41 AM	57.9	63.3	55	76.4	57.8	63.2	54.9	76.5
7:30:41 AM	62.6	67.2	59.5	79.7	62.6	67.2	59.3	79.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7:31:41 AM	57.5	62.7	53	75.3	57.4	62.6	53	75.1
7:32:41 AM	60	64.6	55.6	77.9	59.9	64.6	55.6	78
7:33:41 AM	63.1	71.1	57.1	82.9	63.1	71	57.1	82.7
7:34:41 AM	57.8	62.2	52.7	75.3	57.7	62.2	52.7	74.9
7:35:41 AM	61.2	65.8	55.5	79.4	61.2	65.7	55.4	79.4
7:36:41 AM	60.9	62.8	57.8	76	60.8	62.7	57.8	75.8
7:37:41 AM	56.7	59.1	52.9	73.4	56.7	59	52.8	73.3
7:38:41 AM	60.2	66.4	55.3	79	60.2	66.3	55.2	79
7:39:41 AM	61.4	67	57.8	78.9	61.4	67	57.7	78.9
7:40:41 AM	58.3	63.8	54.8	78	58.3	63.8	54.7	78
7:41:41 AM	63	69.4	56.1	84.2	62.9	69.3	56	84.1
7:42:41 AM	62.2	66.2	58.7	78.8	62.1	66.1	58.6	78.8
7:43:41 AM	56.6	62	52.4	74.2	56.6	61.9	52.4	73.7
7:44:41 AM	60.4	66.1	54.8	80.2	60.3	66	54.8	80.1
7:45:41 AM	59.7	61.8	57.3	75.4	59.7	61.7	57.2	75.3
7:46:41 AM	58.9	63.3	53.7	75.8	58.8	63.2	53.7	75.6
7:47:41 AM	60.5	64.7	53.5	78	60.5	64.7	53.4	77.9
7:48:41 AM	61.2	63.6	56.9	78.4	61.2	63.6	56.8	78.4
7:49:41 AM	57	60.2	53	73.4	57	60.1	52.9	73
7:50:41 AM	60.8	66.9	53.4	79.9	60.8	66.8	53.4	80
7:51:41 AM	66.2	75.3	57.4	88.8	66.1	75.2	57.4	88.8
7:52:41 AM	58.2	67.8	52	81.7	58.2	67.8	52	81.7
7:53:41 AM	58.7	62.7	53.3	75.5	58.7	62.7	53.3	75.8
7:54:41 AM	60.7	63.9	57	79.2	60.6	63.8	56.9	79.2
7:55:41 AM	62.7	72.7	51.3	86.7	62.7	72.6	51.1	86.7
7:56:41 AM	57.7	63.1	52.2	75.9	57.7	63.1	52.1	76.1
7:57:41 AM	62.1	66.3	59	79.2	62	66.3	58.9	79.1
7:58:41 AM	59.1	65.4	53.9	79.5	59	65.4	53.8	79.3
7:59:41 AM	58.8	62.5	54.5	78.6	58.7	62.5	54.4	78.7
8:00:41 AM	60.8	65	56.2	76.8	60.7	64.9	56.1	76.5
8:01:41 AM	55.9	59	51.3	72.7	55.9	59	51.1	72.3
8:02:41 AM	76.3	85.7	51.8	99.8	76.3	85.6	51.7	99.7
8:03:41 AM	63.8	66.7	60.9	81.5	63.8	66.7	60.9	81.3
8:04:41 AM	64.1	68.3	60.9	80.6	64	68.3	60.9	80.6
8:05:41 AM	62.7	64.1	60.8	76.9	62.6	64.1	60.8	76.9
8:06:41 AM	62	66.3	55.8	80	61.9	66.3	55.6	80
8:07:41 AM	58.4	66.2	52	79.3	58.4	66.2	51.9	79.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
8:08:41 AM	60.4	63.2	54.9	76.5	60.4	63.2	54.8	76.4
8:09:41 AM	61.7	66.6	57.7	79.4	61.7	66.6	57.6	79.3
8:10:41 AM	55.4	61	50.3	77.5	55.3	61	50.2	77.4
8:11:41 AM	59.5	63.3	53.5	76.6	59.4	63.2	53.4	76.4
8:12:41 AM	60.2	64.5	55.1	76.7	60.1	64.5	55	76.7
8:13:41 AM	56.4	60.4	51.6	73.8	56.4	60.4	51.5	73.4
8:14:41 AM	61.2	64.2	57.8	76.9	61.1	64.1	57.7	77.1
8:15:41 AM	61.5	67.5	57.8	81	61.5	67.5	57.8	81
8:16:41 AM	61	65.6	55.8	79.5	60.9	65.5	55.8	79.4
8:17:41 AM	59.6	62.8	55.3	77.3	59.6	62.8	55.3	77.3
8:18:41 AM	60	63.9	54.1	76.5	59.9	63.9	54	76.8
8:19:41 AM	55.5	62.6	51.5	76.1	55.4	62.6	51.5	76.1
8:20:41 AM	60.2	63.9	53	76.7	60.2	63.9	52.9	76.7
8:21:41 AM	64.8	72.9	56.6	85.8	64.8	72.9	56.5	85.7
8:22:41 AM	61.1	71.6	51.8	99.9	61.1	71.5	51.8	99.8
8:23:41 AM	60.1	64	53.2	76.1	60	64	53	76.3
8:24:41 AM	60.4	64.5	56.3	77.8	60.4	64.4	56.3	77.4
8:25:41 AM	58.4	63.8	50.7	77.7	58.3	63.8	50.6	77.8
8:26:41 AM	58.9	62.1	53.2	74.9	58.8	62.1	53	74.6
8:27:41 AM	74	88.1	55.6	102	74	88	55.5	102
8:28:41 AM	69.2	84.3	52.2	93.7	69.2	84.3	52.1	93.7
8:29:41 AM	58.1	62.7	54.1	77.3	58.1	62.7	54	77.3
8:30:41 AM	60.4	65.8	57.5	78.4	60.3	65.7	57.4	78.4
8:31:41 AM	56.5	63	51.7	75.3	56.5	62.9	51.6	75.4
8:32:41 AM	61.7	69.3	54.3	82.1	61.7	69.3	54.1	82
8:33:41 AM	58.3	62	53	75	58.2	62	52.9	75.2
8:34:41 AM	57.5	61.5	52.1	75.1	57.5	61.4	52	75.4
8:35:41 AM	61.4	65.7	54.7	78.3	61.4	65.6	54.6	78.3
8:36:41 AM	61.1	65.5	51.3	78.6	61	65.5	51.1	78.6
8:37:41 AM	58.8	64.8	52.7	80.1	58.7	64.7	52.6	80
8:38:41 AM	60.1	63.9	52.5	77.8	60	63.8	52.5	77.8
8:39:41 AM	59.7	63	53.3	76.8	59.6	62.9	53.2	76.8
8:40:41 AM	60.1	64.4	52.7	76.8	60.1	64.4	52.7	77.2
8:41:41 AM	63.3	69.3	57.5	83.3	63.3	69.2	57.5	83.2
8:42:41 AM	61	64.1	57.7	76.7	61	64	57.7	76.7
8:43:41 AM	57.7	65.2	52.5	87.3	57.6	65.1	52.4	87.3
8:44:41 AM	66.4	76	54.9	92.1	66.4	75.9	54.8	92

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
8:45:41 AM	59.3	64.5	54.3	77.8	59.2	64.4	54.1	77.8
8:46:41 AM	58.7	63.6	55.1	77.5	58.6	63.6	55	77.7
8:47:41 AM	61.2	66.3	55.2	79.1	61.2	66.3	55.2	79.1
8:48:41 AM	64.6	69.8	58.2	83	64.5	69.8	58.1	82.9
8:49:41 AM	57.5	62.2	52.8	75.8	57.4	62.1	52.7	75.6
8:50:41 AM	58.4	63.8	54.1	77.5	58.4	63.7	54.1	77.4
8:51:41 AM	60.3	64.7	52.5	77.3	60.2	64.7	52.5	77.4
8:52:41 AM	55.7	61.4	50.9	73.3	55.6	61.3	50.8	73.6
8:53:41 AM	60.3	64.3	53	77.3	60.3	64.2	52.9	77.2
8:54:41 AM	58.7	64.2	55.1	77.2	58.6	64.2	55	77.2
8:55:41 AM	57.1	62.6	50.5	76.8	57.1	62.6	50.3	76.9
8:56:41 AM	60.8	65.3	51.3	78.1	60.7	65.3	51.1	78.2
8:57:41 AM	57.8	62.9	53	75.5	57.8	62.8	52.9	75.4
8:58:41 AM	57.8	63.5	53.6	75.8	57.7	63.4	53.5	75.9
8:59:41 AM	59.4	63.8	53.4	76.4	59.4	63.7	53.4	76.7
9:00:41 AM	58.8	60.9	56.4	75.8	58.7	60.9	56.4	75.6
9:01:41 AM	58.1	63.7	52.4	76.5	58	63.6	52.2	76.3
9:02:41 AM	61.3	65.8	54.6	78.8	61.3	65.7	54.6	78.7
9:03:41 AM	60.6	66.7	53.8	80.5	60.6	66.7	53.8	80.3
9:04:41 AM	56.7	59.6	53.2	73.1	56.6	59.6	53	72.8
9:05:41 AM	62.6	70.1	57.1	82.6	62.6	70	57	82.7
9:06:41 AM	59.4	64.1	53.7	77.5	59.4	64	53.6	77.4
9:07:41 AM	62.1	65.5	58	78.7	62	65.4	57.9	78.7
9:08:41 AM	61.8	68.3	53.5	81.5	61.8	68.3	53.4	81.3
9:09:41 AM	58.3	65.4	53.4	77.7	58.3	65.3	53.4	77.8
9:10:41 AM	62.6	66.5	56.2	79	62.5	66.5	56.1	78.9
9:11:41 AM	57.4	63.3	53.4	75.5	57.3	63.3	53.4	75.3
9:12:41 AM	61.6	68.2	53	82.7	61.5	68.1	52.9	82.7
9:13:41 AM	58.1	61.8	55	75	58.1	61.7	54.9	75.1
9:14:41 AM	59.3	63.3	53.6	75.8	59.2	63.3	53.5	75.8
9:15:41 AM	59.6	65.7	50.2	78.3	59.5	65.7	50.1	78.3
9:16:41 AM	58.1	61.8	50.7	74.3	58.1	61.7	50.6	74.2
9:17:41 AM	61	63.6	53.9	76.4	60.9	63.5	53.8	76.4
9:18:41 AM	59.5	64.3	53.7	77.1	59.5	64.3	53.6	76.8
9:19:41 AM	61.6	64.8	55.2	77.9	61.5	64.8	55.2	77.8
9:20:41 AM	56.1	60.4	51.6	74.6	56	60.3	51.5	73.9
9:21:41 AM	59.4	63.8	51.9	77	59.3	63.8	51.8	77.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:22:41 AM	58	62.8	51.3	75.3	57.9	62.7	51.3	75.4
9:23:41 AM	59.9	63.9	51.6	78.1	59.9	63.9	51.5	78.2
9:24:41 AM	62.6	66.7	55	80.4	62.6	66.7	54.9	80.5
9:25:41 AM	57.4	60.3	53.3	74.5	57.3	60.3	53.2	74.6
9:26:41 AM	62.6	66.8	57.6	80.5	62.6	66.7	57.5	80.2
9:27:41 AM	57.5	60.7	54	75.3	57.4	60.7	54	75.4
9:28:41 AM	56.2	60.4	52.1	72.8	56.1	60.4	52	72.8
9:29:41 AM	59.6	62.9	55.9	81.3	59.5	62.9	55.8	81.3
9:30:41 AM	58.5	61.7	52.9	74.6	58.4	61.7	52.8	74.6
9:31:41 AM	60.8	67.6	53.9	80.6	60.7	67.5	53.8	80.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Location M3: Session Report

Meter No. 22252
Session No. S044
Start: 0945 on 7/22/2021
End: 1011 on 7/23/2021

Information Panel

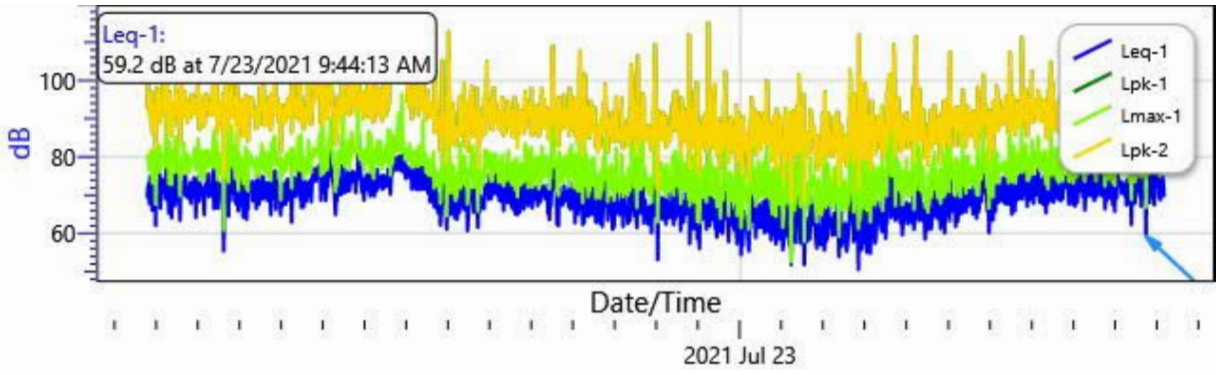
Name	S044_BLM090004_23072021_112807
Start Time	7/22/2021 9:45:13 AM
Stop Time	7/23/2021 10:11:08 AM
Device Name	BLM090004
Model Type	SoundPro DL
Device Firmware Rev	R.13H
Comments	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	72.5 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	SLOW	Bandwidth	1	OFF
Exchange Rate	2	3 dB	Weighting	2	A
Response	2	SLOW			

Logged Data Chart

S044_BLM090004_23072021_112807: Logged Data Chart



Logged Data Table

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7/22/2021	69.2	78.9	55	109.5	69.1	78.9	54.9	109.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:46:13 AM								
9:47:13 AM	71.9	80.3	60.3	92.8	71.9	80.2	60.3	92.8
9:48:13 AM	73	80	53.9	92.9	72.9	80	53.8	92.9
9:49:13 AM	67.7	76.4	54	95.5	67.6	76.4	53.9	95.4
9:50:13 AM	74.9	78.9	65.8	92.3	74.9	78.9	65.8	92.2
9:51:13 AM	68.3	76.9	55.8	89.4	68.2	76.8	55.8	89.4
9:52:13 AM	72.3	81.8	57	97.1	72.3	81.8	56.9	97
9:53:13 AM	66	73.2	52.1	86.3	65.9	73.2	52	86.3
9:54:13 AM	70	76	61.1	89	70	76	61	89
9:55:13 AM	71.2	77.1	59.8	90.7	71.1	77.1	59.7	90.6
9:56:13 AM	72.5	79.7	55.4	92.1	72.4	79.7	55.3	92
9:57:13 AM	73.7	81.9	62.5	93.7	73.7	81.9	62.5	93.6
9:58:13 AM	62	67.6	54	82.7	62	67.6	54	82.7
9:59:13 AM	73.7	80.3	58.1	93.3	73.6	80.3	58	93.3
10:00:13 AM	73.6	83.4	57.3	98	73.6	83.3	57.2	97.9
10:01:13 AM	72.9	78.4	57.9	91	72.8	78.4	57.8	90.9
10:02:13 AM	73	80.3	56.5	97.6	73	80.3	56.4	97.5
10:03:13 AM	68.6	76.6	57.6	89.3	68.5	76.6	57.6	89.2
10:04:13 AM	75.3	82.9	61.4	96	75.2	82.8	61.3	95.9
10:05:13 AM	66.5	76	54	89.2	66.5	76	53.9	89.1
10:06:13 AM	73.1	80.9	64.4	94	73	80.9	64.3	93.9
10:07:13 AM	70.7	79.1	55.4	92.2	70.7	79	55.3	92.3
10:08:13 AM	74	79.1	56.1	94.5	73.9	79.1	56	94.4
10:09:13 AM	73.6	79.7	54.3	100.2	73.6	79.6	54.3	100.2
10:10:13 AM	72	80	53	93.2	71.9	80	53	93.1
10:11:13 AM	74.1	79.4	65.9	92.9	74.1	79.3	65.8	92.9
10:12:13 AM	69.1	77.3	54.7	91.2	69.1	77.2	54.6	91.2
10:13:13 AM	77.9	90.3	58.9	106.7	77.8	90.2	58.8	106.7
10:14:13 AM	68.8	77.3	54.1	89.7	68.8	77.3	54	89.6
10:15:13 AM	73.4	80.9	56.3	94.4	73.4	80.9	56.2	94.3
10:16:13 AM	72.5	80.6	55.2	95.9	72.4	80.6	55.1	95.9
10:17:13 AM	65.2	72.9	55.2	86.2	65.2	72.8	55.2	86.3
10:18:13 AM	76.5	84.1	67.1	97	76.4	84.1	67.1	96.9
10:19:13 AM	68.6	78.6	54.4	92.2	68.5	78.5	54.3	92.2
10:20:13 AM	72.7	77.9	52.7	91.4	72.7	77.8	52.6	91.3
10:21:13 AM	64	72.7	52.7	85.7	63.9	72.7	52.6	85.7
10:22:13 AM	71.6	76.8	58.6	89.4	71.5	76.8	58.6	89.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
10:23:13 AM	74.8	81.6	57.1	94.1	74.8	81.6	57.1	94
10:24:13 AM	69.4	76.8	58.4	91.4	69.3	76.7	58.3	91.4
10:25:13 AM	72.6	77.9	61.1	91.9	72.6	77.8	61	91.7
10:26:13 AM	67.2	76	52.7	90.9	67.1	76	52.6	90.9
10:27:13 AM	76.3	85.2	63.9	98.3	76.2	85.1	63.8	98.3
10:28:13 AM	73.3	80.8	56.7	94.2	73.2	80.8	56.7	94.1
10:29:13 AM	75.2	83.5	58.9	97.1	75.2	83.4	58.8	97
10:30:13 AM	73.4	82.6	56.7	93	73.4	82.6	56.6	93
10:31:13 AM	68.4	76	54.9	87.9	68.4	76	54.8	87.8
10:32:13 AM	72.3	79.5	58.8	92.8	72.2	79.5	58.8	92.7
10:33:13 AM	63.3	69.8	53.6	83.3	63.2	69.8	53.5	83.3
10:34:13 AM	73.1	78.7	59	91.4	73	78.6	59	91.3
10:35:13 AM	71.8	78.2	54.3	99.2	71.8	78.2	54.1	99.2
10:36:13 AM	70.6	75.4	62	90.5	70.5	75.3	61.9	90.4
10:37:13 AM	71.3	78.3	56.6	90.8	71.3	78.3	56.5	90.8
10:38:13 AM	70.5	79.6	54.7	91.7	70.5	79.6	54.7	91.7
10:39:13 AM	74.9	83.7	67.9	96.1	74.8	83.7	67.9	96.1
10:40:13 AM	70	78.7	57.4	97.1	69.9	78.7	57.3	97
10:41:13 AM	75	78.7	65.6	92.7	74.9	78.7	65.6	92.7
10:42:13 AM	69.6	79.8	50.2	92.9	69.6	79.7	50.1	92.9
10:43:13 AM	70.7	75.7	50.5	89.1	70.6	75.7	50.3	89.1
10:44:13 AM	71.2	80.6	50.6	92.6	71.1	80.6	50.5	92.6
10:45:13 AM	69.2	78.6	53.6	94.4	69.2	78.6	53.5	94.3
10:46:13 AM	72.1	78.5	59.8	91.5	72.1	78.5	59.8	91.4
10:47:13 AM	69.3	75.9	58.1	90.1	69.2	75.9	58	90
10:48:13 AM	73.3	79.1	58.4	92.3	73.2	79.1	58.3	92.3
10:49:13 AM	67.8	77.6	52.6	93.4	67.8	77.6	52.5	93.4
10:50:13 AM	73.2	78.5	59.3	96.3	73.1	78.4	59.2	96.2
10:51:13 AM	72.5	78.6	62.6	94.2	72.5	78.6	62.5	94.1
10:52:13 AM	69.7	78.5	54.3	91.7	69.6	78.4	54.1	91.6
10:53:13 AM	74.5	80.9	59.2	94.2	74.4	80.8	59.2	94.1
10:54:13 AM	72.1	82.2	58.3	95.4	72.1	82.1	58.2	95.3
10:55:13 AM	73.7	81.8	62.1	93.1	73.7	81.7	62	93.1
10:56:13 AM	64.1	76.7	50.2	91	64	76.7	50.1	91
10:57:13 AM	74.3	80.8	52.7	93.6	74.3	80.7	52.7	93.5
10:58:13 AM	70	80.6	57.2	94.9	69.9	80.6	57.1	94.8
10:59:13 AM	73.3	84.7	58.1	99	73.3	84.6	58	98.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
11:00:13 AM	74.9	80.9	67.2	94.2	74.8	80.8	67.1	94.2
11:01:13 AM	68.3	74	54.4	87.2	68.3	73.9	54.3	87.2
11:02:13 AM	72.9	78.6	57.3	90.8	72.9	78.5	57.2	90.8
11:03:13 AM	72.1	81.8	61	96.1	72.1	81.7	61	96.1
11:04:13 AM	69.8	77.1	57.2	90.1	69.7	77.1	57.1	90
11:05:13 AM	71.4	76.2	52.5	90.7	71.4	76.2	52.4	90.6
11:06:13 AM	71.7	81.2	52.6	94	71.6	81.1	52.5	93.9
11:07:13 AM	71	76.5	54.7	88	71	76.4	54.6	88
11:08:13 AM	64.8	73.7	51	87.9	64.7	73.6	51	87.9
11:09:13 AM	72.1	78	58.4	91.6	72.1	77.9	58.3	91.4
11:10:13 AM	70.4	80	53.5	93	70.4	80	53.4	92.9
11:11:13 AM	75.2	81.8	59.5	96.4	75.1	81.7	59.3	96.4
11:12:13 AM	72.3	81.4	54.3	94.1	72.2	81.3	54	94
11:13:13 AM	71.5	77.2	57	94	71.4	77.1	56.9	93.9
11:14:13 AM	75.5	81.2	65	94	75.4	81.2	64.9	93.9
11:15:13 AM	69.5	77.8	59	92.4	69.5	77.7	59	92.3
11:16:13 AM	72.5	77.9	57.3	90.9	72.4	77.8	57.2	90.9
11:17:13 AM	72	79.7	55.5	93	71.9	79.7	55.4	93
11:18:13 AM	72.7	80.4	60.1	94.5	72.7	80.4	60.1	94.4
11:19:13 AM	72.2	81.8	55.1	93.4	72.2	81.7	55	93.4
11:20:13 AM	69.8	77.4	55.9	91.3	69.8	77.3	55.8	91.3
11:21:13 AM	76.6	85.9	59.2	100	76.5	85.8	59.1	100
11:22:13 AM	66.4	77.3	51.5	91.1	66.4	77.2	51.4	91
11:23:13 AM	75.5	87.4	57.4	102.6	75.4	87.3	57.3	102.5
11:24:13 AM	71.2	79.4	51.8	92.5	71.1	79.4	51.7	92.4
11:25:13 AM	73.5	78.7	58.5	93.1	73.4	78.7	58.4	93
11:26:13 AM	74.1	83.9	57.1	99	74	83.8	57	98.9
11:27:13 AM	66.5	74	53.5	86.3	66.4	74	53.4	86.3
11:28:13 AM	71.7	77	60.4	90.3	71.6	77	60.4	90.3
11:29:13 AM	70.1	76.7	55.6	89.5	70	76.7	55.5	89.5
11:30:13 AM	72.8	79.4	55.6	93.4	72.8	79.3	55.6	93.4
11:31:13 AM	72.7	80.8	57.9	94.1	72.6	80.8	57.9	94
11:32:13 AM	71.8	78.8	56.5	90.6	71.8	78.7	56.4	90.6
11:33:13 AM	69.7	75.5	52.5	89.3	69.6	75.5	52.5	89.2
11:34:13 AM	66.1	75.8	52.6	88.2	66.1	75.8	52.6	88.2
11:35:13 AM	76.2	84.2	56.7	96.6	76.1	84.1	56.7	96.5
11:36:13 AM	55.3	60.8	48.6	74.6	55.2	60.8	48.5	74.5

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
11:37:13 AM	73.4	79.3	51.7	92.6	73.3	79.2	51.6	92.6
11:38:13 AM	69.6	75.1	56.8	88.8	69.6	75.1	56.7	88.7
11:39:13 AM	70.3	79.8	51.3	93	70.3	79.7	51.1	92.9
11:40:13 AM	76.6	89.4	60.4	103.5	76.6	89.4	60.4	103.5
11:41:13 AM	68.2	77.4	51.3	92.1	68.1	77.3	51.3	92
11:42:13 AM	73.1	78.5	55.4	96.9	73	78.4	55.3	96.8
11:43:13 AM	64.4	73.3	48.1	86.9	64.3	73.2	47.9	86.8
11:44:13 AM	74.3	81.1	63.7	95.1	74.3	81.1	63.7	95
11:45:13 AM	68.5	78.8	51.1	94.6	68.4	78.7	51	94.6
11:46:13 AM	71.3	80.3	55.6	93.8	71.2	80.2	55.5	93.8
11:47:13 AM	77.4	88.3	57.3	103.5	77.3	88.2	57.3	103.5
11:48:13 AM	70.6	80.8	57.8	94.3	70.6	80.7	57.8	94.2
11:49:13 AM	72.6	77.8	58.3	90.8	72.5	77.7	58.2	90.7
11:50:13 AM	70.6	77.2	56.2	90.4	70.5	77.2	56.1	90.3
11:51:13 AM	73.6	83	61.2	95.6	73.5	83	61.1	95.5
11:52:13 AM	68.5	77.2	56.2	90.8	68.4	77.1	56.2	90.7
11:53:13 AM	72.9	78.8	54.9	91.9	72.8	78.7	54.9	91.8
11:54:13 AM	67.6	74.1	52	88.6	67.5	74.1	51.9	88.5
11:55:13 AM	73.7	86.7	52.5	99.4	73.7	86.6	52.4	99.4
11:56:13 AM	74.9	81.9	62.1	95.6	74.9	81.9	62	95.6
11:57:13 AM	65.8	71.2	50.5	83.5	65.7	71.1	50.3	83.5
11:58:13 AM	75.3	81	64.3	94.4	75.3	80.9	64.2	94.4
11:59:13 AM	67.2	77.6	50.5	91.1	67.1	77.5	50.3	91
12:00:13 PM	69.5	75.5	58.4	88.4	69.5	75.4	58.3	88.3
12:01:13 PM	72.3	76.2	62.2	90.4	72.3	76.1	62.1	90.3
12:02:13 PM	68.9	76.1	54.5	89.5	68.8	76.1	54.4	89.5
12:03:13 PM	73.3	79.4	61.9	94.8	73.3	79.4	61.9	94.8
12:04:13 PM	64.2	73	48.7	85.6	64.2	73	48.6	85.4
12:05:13 PM	72.7	78.7	66.2	93.4	72.6	78.6	66.2	93.3
12:06:13 PM	67.6	76.4	49.5	90.8	67.5	76.4	49.4	90.7
12:07:13 PM	66.3	75.4	56.9	89.7	66.3	75.4	56.8	89.5
12:08:13 PM	75.7	82.6	64.3	96	75.6	82.5	64.2	95.9
12:09:13 PM	63.6	71.6	50.8	85.3	63.5	71.5	50.7	85.2
12:10:13 PM	75.6	81.7	65.1	95.6	75.5	81.7	65	95.5
12:11:13 PM	66.3	71.1	54.1	84	66.3	71.1	54	84
12:12:13 PM	73.1	81.1	61	95.6	73	81	60.9	95.5
12:13:13 PM	71.1	77.9	60.3	91.1	71.1	77.9	60.2	91.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
12:14:13 PM	71.8	78.6	53	91.2	71.7	78.5	52.9	91.2
12:15:13 PM	72.9	80.1	61.5	93.4	72.8	80	61.5	93.4
12:16:13 PM	72.6	79	58.3	91.2	72.5	78.9	58.2	91.1
12:17:13 PM	73.6	78.9	56.3	95.4	73.6	78.8	56.2	95.4
12:18:13 PM	68.4	77.8	53.6	91	68.4	77.8	53.6	91
12:19:13 PM	73.3	78.5	55.6	91.6	73.3	78.5	55.5	91.5
12:20:13 PM	71.1	77.9	58.7	90.4	71.1	77.9	58.7	90.4
12:21:13 PM	68.7	77.1	52.9	90.2	68.6	77	52.8	90.1
12:22:13 PM	71.7	77.2	56.1	91	71.6	77.1	56	90.9
12:23:13 PM	66.4	74.6	52.2	87.4	66.3	74.5	52.1	87.4
12:24:13 PM	75.1	79.8	67.2	92.9	75	79.8	67.1	92.9
12:25:13 PM	69.6	77.2	55.6	91.5	69.5	77.1	55.5	91.5
12:26:13 PM	72.8	79.4	58.5	92.1	72.8	79.3	58.4	92.1
12:27:13 PM	67.6	75.2	57.1	88.5	67.6	75.1	57	88.5
12:28:13 PM	70.8	78.4	54.4	98.1	70.8	78.3	54.4	98.1
12:29:13 PM	73.4	79	59.6	92.8	73.3	78.9	59.6	92.7
12:30:13 PM	71.2	80.3	55.4	93.7	71.1	80.2	55.4	93.6
12:31:13 PM	74.9	83.4	65.4	96.7	74.9	83.3	65.4	96.7
12:32:13 PM	68.9	77.8	54.7	92.3	68.9	77.7	54.6	92.2
12:33:13 PM	74.7	82.1	53.7	99.9	74.6	82.1	53.7	99.8
12:34:13 PM	69.3	76.9	57.3	88.4	69.2	76.8	57.3	88.4
12:35:13 PM	70	76	53.6	88.9	69.9	76	53.5	88.9
12:36:13 PM	70.4	79.4	52.4	92.6	70.4	79.3	52.2	92.5
12:37:13 PM	70.5	76.5	55.8	91	70.5	76.4	55.8	90.9
12:38:13 PM	73.2	81	62.3	93.9	73.1	80.9	62.2	93.9
12:39:13 PM	68.5	74.9	57.9	88.4	68.4	74.9	57.9	88.1
12:40:13 PM	73.1	77	60.2	89.8	73	76.9	60.1	89.7
12:41:13 PM	72.4	80.9	58.2	95.6	72.3	80.9	58.1	95.6
12:42:13 PM	72.9	79.4	55	92.9	72.9	79.4	54.9	92.9
12:43:13 PM	72.1	78.5	55.5	91.7	72.1	78.5	55.4	91.6
12:44:13 PM	64.8	73.8	51.4	87	64.8	73.7	51.3	87
12:45:13 PM	76.3	83.9	67.1	96.3	76.2	83.8	67	96.3
12:46:13 PM	69.1	78.3	56.7	91.3	69	78.3	56.6	91.2
12:47:13 PM	73.3	80.1	60.4	93.9	73.3	80	60.3	93.9
12:48:13 PM	69	79	53.8	94.4	69	78.9	53.7	94.4
12:49:13 PM	73	84.9	55.8	100.7	72.9	84.9	55.8	100.6
12:50:13 PM	76.3	85.5	55.6	99.3	76.2	85.4	55.5	99.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
12:51:13 PM	66.2	77.9	53.5	91.2	66.1	77.8	53.4	91.1
12:52:13 PM	73.7	79.8	59.9	92.4	73.7	79.7	59.9	92.3
12:53:13 PM	69.8	81	50.3	95.4	69.7	80.9	50.3	95.4
12:54:13 PM	73.3	80.3	59.9	92.6	73.3	80.3	59.8	92.5
12:55:13 PM	70.5	78.5	49.1	91.7	70.4	78.4	49	91.7
12:56:13 PM	71.9	76.4	53.2	88.9	71.8	76.3	53	88.8
12:57:13 PM	70.5	76.8	51	89.5	70.4	76.7	50.9	89.5
12:58:13 PM	64.7	68.7	57.5	81.2	64.6	68.6	57.5	81.2
12:59:13 PM	73	79.5	62.7	93.6	73	79.4	62.6	93.6
1:00:13 PM	67	75	55.9	88.8	67	74.9	55.8	88.8
1:01:13 PM	72.8	77.1	57.5	91.1	72.7	77.1	57.4	91
1:02:13 PM	69.9	77.5	51.1	89.9	69.8	77.5	51	89.9
1:03:13 PM	69.3	76.1	51.8	88.9	69.3	76	51.7	88.8
1:04:13 PM	70.5	79.4	53.7	92.8	70.4	79.3	53.6	92.7
1:05:13 PM	67.5	76.5	56.1	89.6	67.4	76.5	56	89.6
1:06:13 PM	73.6	80.5	58.7	93.6	73.5	80.4	58.7	93.6
1:07:13 PM	68.6	79.8	54.3	92.4	68.6	79.8	54.3	92.3
1:08:13 PM	74.2	80.9	62.2	95	74.2	80.8	62.2	95
1:09:13 PM	68.7	78.2	51.7	90.6	68.7	78.1	51.6	90.6
1:10:13 PM	72.4	79.6	55.4	93.8	72.4	79.5	55.4	93.7
1:11:13 PM	72.5	79.9	53.9	93.7	72.5	79.9	53.8	93.6
1:12:13 PM	72.3	81.1	55.8	94.3	72.3	81.1	55.8	94.3
1:13:13 PM	73.3	82.2	59.8	96.7	73.2	82.1	59.7	96.6
1:14:13 PM	62.8	71.8	50.2	86.4	62.8	71.8	50.1	86.3
1:15:13 PM	74.8	81.9	52.4	100.6	74.8	81.8	52.2	100.5
1:16:13 PM	72.5	82.2	49.8	95.3	72.5	82.1	49.7	95.2
1:17:13 PM	70.7	78.7	49.9	92.9	70.6	78.7	49.8	92.7
1:18:13 PM	74.4	80.6	55.3	93.7	74.4	80.5	55.2	93.7
1:19:13 PM	69.6	78.5	52.4	91.6	69.6	78.5	52.2	91.5
1:20:13 PM	70.3	76	60.9	90.4	70.2	76	60.8	90.4
1:21:13 PM	73.3	80.8	58.9	94.5	73.3	80.8	58.8	94.5
1:22:13 PM	70.4	78.3	56.8	91.2	70.3	78.2	56.7	91.1
1:23:13 PM	73.5	85.1	53.3	99.2	73.4	85.1	53.2	99.1
1:24:13 PM	76.1	85	63.8	97.9	76.1	85	63.7	97.9
1:25:13 PM	72	80.5	55.1	94	71.9	80.5	55	94
1:26:13 PM	68.8	76.4	56.9	89.4	68.7	76.3	56.9	89.4
1:27:13 PM	75.9	85.9	64.8	99.5	75.9	85.8	64.8	99.5

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
1:28:13 PM	66.7	78.8	48.1	91.1	66.6	78.7	48.1	91
1:29:13 PM	73.7	82.2	50.6	95.5	73.7	82.2	50.6	95.5
1:30:13 PM	68.3	75.3	54.7	88.1	68.2	75.2	54.7	88
1:31:13 PM	66.8	74.2	54.8	87.3	66.7	74.2	54.7	87.2
1:32:13 PM	73.7	78.9	55.6	91.1	73.6	78.8	55.6	91
1:33:13 PM	69.6	78.4	52	91.1	69.5	78.4	52	91.1
1:34:13 PM	69.6	75.1	56.9	89.4	69.5	75	56.8	89.3
1:35:13 PM	68.3	77.9	53.5	91.8	68.2	77.8	53.5	91.7
1:36:13 PM	73.3	78.4	59	93.9	73.2	78.3	58.9	93.9
1:37:13 PM	71.1	77.5	59.3	90.2	71.1	77.5	59.3	90.1
1:38:13 PM	73	84.3	53.3	107.9	73	84.2	53.3	107.8
1:39:13 PM	73.2	79.7	65.2	92.8	73.2	79.6	65.1	92.7
1:40:13 PM	69.6	76	60	89.3	69.6	75.9	59.9	89.3
1:41:13 PM	73.9	79	65.6	94.2	73.8	78.9	65.6	94.1
1:42:13 PM	68.2	75.8	61.1	88.5	68.2	75.7	61	88.4
1:43:13 PM	75.5	80.7	63.8	93.1	75.5	80.7	63.8	93
1:44:13 PM	75.8	80.5	63.9	93.7	75.8	80.5	63.8	93.6
1:45:13 PM	75.5	79.9	64	96.3	75.4	79.8	64	96.3
1:46:13 PM	76.8	82.3	63	96.7	76.7	82.2	63	96.7
1:47:13 PM	73.7	80.7	60.8	100.5	73.6	80.6	60.7	100.5
1:48:13 PM	76.9	82.1	63.8	97.9	76.9	82.1	63.7	97.8
1:49:13 PM	73.6	82.1	60	95.6	73.5	82	59.9	95.5
1:50:13 PM	76.8	81.4	63.4	96.3	76.8	81.4	63.3	96.2
1:51:13 PM	75.5	80.9	63.1	104.6	75.5	80.9	63	104.5
1:52:13 PM	76.2	81.3	60.5	104.7	76.1	81.3	60.4	104.6
1:53:13 PM	77.8	84.5	66.7	103.6	77.7	84.5	66.7	103.5
1:54:13 PM	76.8	85.9	58.4	100.4	76.8	85.8	58.3	100.3
1:55:13 PM	75.7	82.6	62.4	96.2	75.6	82.5	62.4	96.1
1:56:13 PM	68.6	75.1	53.6	88.8	68.6	75.1	53.5	88.8
1:57:13 PM	80.3	92.2	66.2	103.6	80.3	92.1	66.2	103.6
1:58:13 PM	72.1	78.9	56.2	92.3	72	78.9	56.1	92.2
1:59:13 PM	77.9	87.7	59	102.7	77.8	87.6	58.9	102.6
2:00:13 PM	70.8	75.7	58.8	88.4	70.8	75.6	58.7	88.2
2:01:13 PM	70.6	82.2	54.3	94.9	70.6	82.2	54.3	94.9
2:02:13 PM	75.9	81.4	61.3	104.3	75.8	81.4	61.3	104.3
2:03:13 PM	68.5	78.1	54.1	91.3	68.4	78	54	91.2
2:04:13 PM	74.3	80.1	60.7	93.3	74.2	80.1	60.6	93.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
2:05:13 PM	73.2	76.6	68.2	90.1	73.2	76.5	68.2	90
2:06:13 PM	72.2	78.3	61.6	91.9	72.2	78.3	61.5	91.8
2:07:13 PM	75.9	83.2	56	97.1	75.8	83.2	55.9	97
2:08:13 PM	78.1	85.1	70.1	98.2	78	85	70.1	98.1
2:09:13 PM	75	85	64.2	98.1	74.9	85	64.2	98
2:10:13 PM	78.5	90.1	59.2	104.8	78.4	90	59.1	104.7
2:11:13 PM	81.9	90.3	68.1	103	81.8	90.2	68	103
2:12:13 PM	75.2	82.7	66.5	95.1	75.1	82.6	66.4	95
2:13:13 PM	74.3	80.8	62.7	94.4	74.2	80.7	62.6	94.4
2:14:13 PM	73.2	78.3	64	91.3	73.1	78.2	64	91.2
2:15:13 PM	72.1	77.4	60.2	90	72	77.3	60.1	89.9
2:16:13 PM	70.8	77.5	57.8	91.5	70.7	77.4	57.7	91.5
2:17:13 PM	64.8	70.9	56.7	83.3	64.7	70.9	56.6	83.1
2:18:13 PM	70.9	78	56.8	92.5	70.8	78	56.7	92.5
2:19:13 PM	68.3	72.7	61.9	85.4	68.2	72.6	61.8	85.4
2:20:13 PM	74.4	81.1	63.2	95.7	74.4	81.1	63.2	95.7
2:21:13 PM	69.9	77.2	62.1	90.3	69.9	77.1	62	90.3
2:22:13 PM	73.5	81.7	58.2	95.3	73.4	81.7	58.1	95.2
2:23:13 PM	71.5	78.9	58.1	90.8	71.4	78.8	58	90.7
2:24:13 PM	72.4	80.5	63.9	94.4	72.3	80.4	63.8	94.3
2:25:13 PM	70.1	78.4	59.7	92	70	78.4	59.6	91.9
2:26:13 PM	74.8	82.3	63.3	95	74.8	82.2	63.3	95
2:27:13 PM	86	97.1	64.9	111.3	86	97	64.8	111.2
2:28:13 PM	79.6	94.7	73.2	92	79.5	94.6	73.1	92
2:29:13 PM	76	79.5	72.3	91.9	75.9	79.4	72.3	91.9
2:30:13 PM	70.6	77.4	61.6	90.3	70.6	77.3	61.6	90.2
2:31:13 PM	73.7	81.7	62.2	95.3	73.7	81.6	62.2	95.2
2:32:13 PM	74.7	79.4	70	92.4	74.6	79.4	70	92.4
2:33:13 PM	73.6	80.2	66	93.6	73.5	80.1	66	93.5
2:34:13 PM	71	79.9	54.6	93.5	70.9	79.8	54.6	93.5
2:35:13 PM	76.1	84.1	67.9	99.4	76	84	67.8	99.4
2:36:13 PM	73.5	78.1	67.5	92.8	73.4	78	67.4	92.7
2:37:13 PM	71.1	76.5	64.1	91.2	71.1	76.5	64	91.2
2:38:13 PM	74.9	82.3	66.5	94.2	74.8	82.2	66.4	94.2
2:39:13 PM	73.1	79.2	62.8	93.5	73.1	79.1	62.7	93.5
2:40:13 PM	74.5	86.5	55	99.7	74.4	86.5	54.8	99.7
2:41:13 PM	76.3	85.5	66.5	95.7	76.2	85.5	66.4	95.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
2:42:13 PM	76	83	65.1	98.1	75.9	82.9	65	98.1
2:43:13 PM	73.6	81.8	54.4	99.4	73.6	81.8	54.3	99.3
2:44:13 PM	75.9	81.8	69.8	94.4	75.8	81.8	69.8	94.3
2:45:13 PM	73.9	82.6	60.9	98.5	73.8	82.6	60.9	98.5
2:46:13 PM	70.6	81	57.8	91.3	70.5	80.9	57.7	91.3
2:47:13 PM	75.9	81.8	64.7	94.6	75.8	81.8	64.7	94.5
2:48:13 PM	74.6	82.5	64.8	95.7	74.5	82.5	64.8	95.7
2:49:13 PM	74.4	82.7	61.7	97.5	74.4	82.6	61.7	97.5
2:50:13 PM	85.8	97	65.6	110.5	85.8	96.9	65.5	110.5
2:51:13 PM	76.3	80.5	70.5	97.3	76.3	80.4	70.5	97.2
2:52:13 PM	74.1	79.3	70.1	92.9	74.1	79.3	70	92.9
2:53:13 PM	77.2	81.7	71.9	94.1	77.1	81.7	71.8	94.1
2:54:13 PM	73.3	79.5	68.1	96.9	73.3	79.4	68.1	96.8
2:55:13 PM	70.7	79.6	56.7	92.5	70.6	79.6	56.6	92.4
2:56:13 PM	71.1	81.7	55	94.4	71.1	81.6	54.9	94.3
2:57:13 PM	73.1	77.3	66.9	91.1	73.1	77.3	66.8	91
2:58:13 PM	68.6	76.5	58.2	90	68.5	76.4	58.2	89.9
2:59:13 PM	74.3	81.4	56.2	96.6	74.2	81.4	56.1	96.5
3:00:13 PM	73	79.9	65.6	93	73	79.9	65.6	93
3:01:13 PM	72.5	82.1	58.7	97.3	72.4	82.1	58.7	97.2
3:02:13 PM	75.3	81.2	68.4	92.2	75.3	81.2	68.4	92.1
3:03:13 PM	71.3	78.5	63.7	91.2	71.2	78.5	63.6	91.2
3:04:13 PM	73.8	85.7	62	100.3	73.7	85.6	62	100.2
3:05:13 PM	75.3	86.8	56.8	100.2	75.2	86.8	56.7	100.2
3:06:13 PM	72.9	79.1	63.2	93.3	72.9	79	63.1	93.2
3:07:13 PM	69.7	75.9	58.6	90.3	69.6	75.9	58.5	90.3
3:08:13 PM	77.7	85.9	67.4	101.5	77.6	85.8	67.4	101.5
3:09:13 PM	74.7	79.4	67.2	92.9	74.7	79.4	67.1	92.8
3:10:13 PM	72.1	80.5	58.3	94.2	72.1	80.4	58.2	94.2
3:11:13 PM	76.9	82	67.1	98.7	76.9	82	67.1	98.6
3:12:13 PM	70.3	74.3	66.4	89	70.2	74.2	66.3	89
3:13:13 PM	69.7	79.2	57.3	91.5	69.7	79.1	57.2	91.5
3:14:13 PM	75.7	80.5	70.3	94	75.7	80.5	70.3	93.9
3:15:13 PM	71.7	78	63.3	91.5	71.6	77.9	63.2	91.4
3:16:13 PM	71.1	81.7	54.8	94	71	81.7	54.7	94
3:17:13 PM	76.8	84.1	64	98.3	76.8	84.1	64	98.2
3:18:13 PM	71.7	78.6	61.5	94.7	71.6	78.5	61.4	94.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:19:13 PM	72.8	79.4	60.9	93.3	72.7	79.3	60.9	93.2
3:20:13 PM	73.7	80.4	67.7	95.3	73.7	80.3	67.7	95.2
3:21:13 PM	72.8	77.9	63.5	91	72.7	77.9	63.5	90.9
3:22:13 PM	74.2	84.1	57.6	97.7	74.1	84.1	57.6	97.6
3:23:13 PM	75	80.9	69.9	93.4	74.9	80.9	69.8	93.3
3:24:13 PM	72	76.8	65.4	89.4	72	76.7	65.3	89.4
3:25:13 PM	71.5	81	62.7	94.7	71.5	80.9	62.7	94.7
3:26:13 PM	75.1	81.3	68.8	93.3	75.1	81.2	68.7	93.3
3:27:13 PM	73.7	81.3	63.3	101.7	73.6	81.3	63.3	101.6
3:28:13 PM	72.1	79.7	64.1	93	72	79.6	64.1	93
3:29:13 PM	72.3	78.4	64.3	90.8	72.2	78.4	64.3	90.7
3:30:13 PM	74.8	83.3	68.5	95.9	74.7	83.2	68.4	95.9
3:31:13 PM	72.3	78.3	63.5	98	72.2	78.3	63.5	97.9
3:32:13 PM	74.3	79.2	63.6	92.2	74.2	79.1	63.6	92.2
3:33:13 PM	76.8	87	68.9	101.6	76.7	87	68.8	101.5
3:34:13 PM	73	80.4	59.8	93.8	73	80.3	59.7	93.8
3:35:13 PM	74.5	87.1	66.7	108.4	74.5	87.1	66.6	108.3
3:36:13 PM	70.2	75.2	66.1	104.4	70.2	75.1	66	104.3
3:37:13 PM	74.3	86.1	64.7	105.4	74.3	86	64.6	105.4
3:38:13 PM	76.1	85.1	68.6	104.3	76.1	85	68.6	104.2
3:39:13 PM	75.7	78.2	72	100.5	75.7	78.2	71.9	100.4
3:40:13 PM	76.6	80.6	69.5	112.7	76.5	80.5	69.4	112.6
3:41:13 PM	78.5	81.4	72.2	108.6	78.5	81.4	72.1	108.5
3:42:13 PM	79.8	83.7	76.8	113.2	79.7	83.7	76.7	113.1
3:43:13 PM	79.3	85.3	72.6	111.7	79.3	85.2	72.6	111.7
3:44:13 PM	79.3	83.5	74.3	107.2	79.2	83.4	74.2	107.1
3:45:13 PM	76.6	81.4	73	106	76.5	81.3	72.9	105.9
3:46:13 PM	77	83.4	72.9	105.9	76.9	83.4	72.8	105.8
3:47:13 PM	76.7	88.7	66.4	107.4	76.6	88.6	66.4	107.3
3:48:13 PM	80.1	91.5	69.6	116.6	80	91.4	69.5	116.5
3:49:13 PM	80	83.9	75.7	110.3	80	83.8	75.6	110.2
3:50:13 PM	78	81.8	72.3	106.7	78	81.8	72.2	106.7
3:51:13 PM	78.1	81	72.7	108	78.1	80.9	72.6	108
3:52:13 PM	76.3	81.4	68.9	107.6	76.2	81.3	68.8	107.5
3:53:13 PM	84	96.6	66.8	109.7	83.9	96.6	66.7	109.7
3:54:13 PM	78.7	81.5	73.2	109.1	78.6	81.4	73.1	109
3:55:13 PM	76	83.3	68	99.7	75.9	83.3	68	99.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:56:13 PM	78.9	83	71.7	104.2	78.9	82.9	71.7	104.2
3:57:13 PM	75.8	79.3	70.3	102.5	75.7	79.2	70.3	102.5
3:58:13 PM	74.3	79.7	62.7	101.8	74.2	79.7	62.6	101.7
3:59:13 PM	77.7	81.1	65.1	106.6	77.7	81.1	65	106.5
4:00:13 PM	76.9	80.4	73.2	99.8	76.8	80.3	73.1	99.7
4:01:13 PM	75.8	79.5	69.7	94.5	75.7	79.5	69.6	94.4
4:02:13 PM	76.9	82.1	67	106.4	76.9	82	66.9	106.3
4:03:13 PM	74.6	78.9	64.8	93	74.5	78.9	64.7	93
4:04:13 PM	75.5	83.3	66.7	97	75.4	83.3	66.6	96.9
4:05:13 PM	77	81.5	71.2	95.6	77	81.4	71.2	95.5
4:06:13 PM	75.8	80.4	68.4	95.8	75.7	80.3	68.3	95.7
4:07:13 PM	71.5	77.2	62.3	89.9	71.4	77.2	62.2	89.9
4:08:13 PM	77.6	81.2	66.7	93.8	77.5	81.1	66.6	93.7
4:09:13 PM	75.3	79.5	70	99.1	75.3	79.4	70	99
4:10:13 PM	72.6	77.3	62.4	96.6	72.6	77.3	62.3	96.6
4:11:13 PM	76.7	81.3	73.2	94.4	76.7	81.2	73.1	94.2
4:12:13 PM	75.7	81.5	70.6	93.6	75.6	81.5	70.5	93.5
4:13:13 PM	71.5	78.2	64.4	100.3	71.4	78.1	64.3	100.2
4:14:13 PM	77.5	80.1	71.7	94.2	77.5	80.1	71.6	94.1
4:15:13 PM	74.4	80.1	69.3	97.4	74.3	80.1	69.2	97.4
4:16:13 PM	71.4	77.5	61	90.9	71.3	77.4	60.9	90.8
4:17:13 PM	77.3	82.8	71.3	98	77.3	82.8	71.2	97.9
4:18:13 PM	74.9	79.7	65.1	94	74.9	79.7	65.1	93.9
4:19:13 PM	71.4	78.7	59.6	93.3	71.3	78.6	59.5	93.2
4:20:13 PM	77	81.2	68.1	95.1	76.9	81.1	68.1	95
4:21:13 PM	74.9	79.9	69.7	93.2	74.8	79.8	69.6	93.1
4:22:13 PM	71.7	78	62.8	96.8	71.7	78	62.8	96.7
4:23:13 PM	78.8	89.6	64.5	106.1	78.7	89.6	64.5	106.1
4:24:13 PM	73.9	79	69.1	92.4	73.9	78.9	69.1	92.3
4:25:13 PM	71.5	79.1	59.1	93.2	71.4	79	59	93.1
4:26:13 PM	77	80.9	69.8	95.5	76.9	80.9	69.8	95.5
4:27:13 PM	72.6	76	67.8	89.8	72.5	75.9	67.7	89.8
4:28:13 PM	72.2	79.1	62.8	92.2	72.2	79	62.8	92.1
4:29:13 PM	75.3	78.8	70	91.6	75.3	78.8	70	91.6
4:30:13 PM	70.5	75.3	65.5	97.3	70.4	75.3	65.4	97.2
4:31:13 PM	72	77.4	65.9	91.7	71.9	77.4	65.8	91.6
4:32:13 PM	75.1	79.2	71.5	92.4	75.1	79.2	71.4	92.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
4:33:13 PM	68.1	76.6	63.4	90.6	68	76.6	63.3	90.6
4:34:13 PM	68.3	75.1	59.5	93.8	68.2	75	59.3	93.8
4:35:13 PM	75.8	79.2	65.5	92.1	75.7	79.1	65.4	92
4:36:13 PM	68.6	77.5	57.9	90.4	68.6	77.5	57.8	90.3
4:37:13 PM	71.2	77.3	58.9	92.6	71.2	77.3	58.8	92.5
4:38:13 PM	75.9	81.4	60	93.5	75.8	81.3	60	93.5
4:39:13 PM	67	71.8	62.1	86.7	66.9	71.7	62	86.6
4:40:13 PM	68.7	73.9	65.6	103.7	68.6	73.9	65.5	103.6
4:41:13 PM	72.1	76.9	64.4	95.8	72	76.9	64.4	95.7
4:42:13 PM	66.5	74.2	63.5	94.5	66.4	74.2	63.4	94.4
4:43:13 PM	69.7	74.5	65.8	90.4	69.6	74.4	65.7	90.3
4:44:13 PM	69.7	72.6	64.4	87	69.7	72.5	64.4	86.9
4:45:13 PM	65.2	73.7	58	86.6	65.1	73.6	57.9	86.5
4:46:13 PM	66.6	72.8	60.6	85.7	66.6	72.8	60.5	85.7
4:47:13 PM	70.4	75.8	64.8	90.1	70.4	75.8	64.7	90
4:48:13 PM	62.1	67.8	56.7	81.5	62	67.7	56.7	81.3
4:49:13 PM	66.3	73	58.3	86.7	66.3	73	58.2	86.7
4:50:13 PM	68.1	73	62.1	87.6	68.1	73	62	87.4
4:51:13 PM	76.5	85.8	64.6	105.2	76.4	85.8	64.5	105.2
4:52:13 PM	68.5	73.9	63.1	86.6	68.4	73.8	63	86.6
4:53:13 PM	69.8	73.8	60.6	87.5	69.8	73.7	60.5	87.3
4:54:13 PM	67.8	74.4	61.2	89.2	67.7	74.4	61.2	89.1
4:55:13 PM	73.2	78.7	66.3	91.8	73.2	78.6	66.2	91.7
4:56:13 PM	67.1	73.1	62.7	91.8	67	73	62.6	91.8
4:57:13 PM	61	64.5	56.8	78.5	60.9	64.5	56.8	78.3
4:58:13 PM	70.3	81.1	60.6	96.1	70.2	81	60.5	96.1
4:59:13 PM	70.7	80.1	65.3	93.2	70.7	80.1	65.2	93.2
5:00:13 PM	88.2	99.3	68.6	112.7	88.1	99.2	68.5	112.7
5:01:13 PM	73.7	78.2	71.2	90.1	73.7	78.1	71.1	90
5:02:13 PM	72.2	79.2	64.2	92.7	72.2	79.1	64.1	92.5
5:03:13 PM	64.8	70.5	58.9	83.5	64.8	70.4	58.8	83.4
5:04:13 PM	67.5	75	56.8	88.1	67.5	74.9	56.7	88
5:05:13 PM	70.3	74.3	63.5	94.1	70.3	74.2	63.5	94.1
5:06:13 PM	67.3	73.7	61.9	90.4	67.2	73.7	61.9	90.4
5:07:13 PM	71.4	77.6	65.7	91.7	71.3	77.5	65.7	91.5
5:08:13 PM	71	74.4	64.3	87.6	70.9	74.3	64.3	87.6
5:09:13 PM	63.9	69.7	59.7	83.4	63.8	69.7	59.7	83.3

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
5:10:13 PM	65.7	68.5	59.8	82.9	65.6	68.5	59.7	82.9
5:11:13 PM	69.7	74.6	65	87.7	69.7	74.5	64.9	87.7
5:12:13 PM	63.6	69.5	57.9	85.5	63.5	69.4	57.9	85.4
5:13:13 PM	67.6	74.1	60.5	87.5	67.6	74	60.5	87.5
5:14:13 PM	70.2	75.6	58.7	88	70.2	75.6	58.6	88
5:15:13 PM	65.3	72.7	57.8	87.1	65.2	72.7	57.7	87.1
5:16:13 PM	73.5	83.9	62.9	95.7	73.5	83.8	62.8	95.7
5:17:13 PM	68.6	71.7	64.5	85.7	68.5	71.7	64.4	85.6
5:18:13 PM	69.4	77.9	61.9	91.5	69.3	77.8	61.9	91.4
5:19:13 PM	69.7	76	61.2	89.3	69.6	76	61.1	89.3
5:20:13 PM	71.7	78.5	66.5	90.2	71.6	78.5	66.5	90.2
5:21:13 PM	66.3	75.7	61	87.2	66.3	75.7	60.9	87.2
5:22:13 PM	72.5	80.4	60.4	99.2	72.5	80.4	60.4	99.2
5:23:13 PM	66.2	72.6	62.9	83	66.1	72.6	62.8	82.9
5:24:13 PM	67.6	72.4	62.6	93.6	67.6	72.3	62.6	93.6
5:25:13 PM	67.5	72.7	61.6	87.9	67.5	72.6	61.5	87.9
5:26:13 PM	70.8	76.7	63.8	90.9	70.7	76.6	63.8	90.9
5:27:13 PM	60.6	67.6	53.9	81.9	60.5	67.6	53.8	81.7
5:28:13 PM	65	69.4	58.1	81.7	64.9	69.4	58	81.7
5:29:13 PM	67.1	71.4	62.7	89.7	67	71.3	62.6	89.6
5:30:13 PM	69	77	65.7	95	68.9	77	65.6	95
5:31:13 PM	69	76.7	64.3	86.7	68.9	76.6	64.2	86.8
5:32:13 PM	70.6	79.6	60.5	91.8	70.5	79.6	60.4	91.7
5:33:13 PM	71.4	82.8	59.7	98.4	71.4	82.8	59.7	98.4
5:34:13 PM	70.9	78.5	65.1	91.9	70.8	78.4	65	91.8
5:35:13 PM	71.4	79.4	63.9	92.2	71.4	79.3	63.9	92.1
5:36:13 PM	65.4	72	59.8	85.7	65.3	72	59.8	85.7
5:37:13 PM	68.3	72.6	62.1	88.1	68.2	72.5	62	88
5:38:13 PM	71.8	78.1	65.8	92.1	71.7	78.1	65.8	92
5:39:13 PM	66.6	74.7	60.1	88.7	66.5	74.7	60	88.7
5:40:13 PM	73	83.4	63	98.1	72.9	83.4	62.9	98
5:41:13 PM	70.2	75.1	64.4	87.4	70.2	75	64.4	87.5
5:42:13 PM	61.5	65.7	58.5	77.5	61.4	65.7	58.4	77.5
5:43:13 PM	71.5	78.9	62.7	92.3	71.4	78.8	62.6	92.2
5:44:13 PM	70	78	60.9	92.6	70	78	60.9	92.5
5:45:13 PM	65.7	70.6	59.9	84.3	65.6	70.6	59.8	84.3
5:46:13 PM	67.9	75	62.6	89.4	67.9	74.9	62.5	89.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
5:47:13 PM	69.4	76	61.6	90.2	69.4	76	61.5	90.2
5:48:13 PM	67.2	73.7	61.3	85.6	67.1	73.7	61.2	85.6
5:49:13 PM	67.5	72.6	57.2	85.9	67.4	72.5	57.2	85.9
5:50:13 PM	69.4	73.5	59.2	85.5	69.4	73.5	59.2	85.4
5:51:13 PM	66.4	75.1	55.6	89.2	66.3	75	55.5	89.1
5:52:13 PM	72.6	81.8	52.7	95.7	72.5	81.7	52.6	95.6
5:53:13 PM	69.9	74.6	58.7	86.3	69.8	74.5	58.6	86.2
5:54:13 PM	72.1	79.1	61.2	92.2	72	79.1	61.1	92.2
5:55:13 PM	71.9	81.6	56.7	104.9	71.9	81.6	56.6	104.8
5:56:13 PM	72.9	79.1	62.2	93.2	72.8	79.1	62.1	93.2
5:57:13 PM	72.2	80.9	60	94.6	72.2	80.8	59.9	94.5
5:58:13 PM	68.8	77.5	57.7	90.1	68.7	77.5	57.6	90
5:59:13 PM	75.4	80.4	65.8	94.6	75.4	80.4	65.7	94.6
6:00:13 PM	72.1	80.9	57.4	95	72.1	80.9	57.3	94.9
6:01:13 PM	69	73.6	58.9	87.6	69	73.5	58.8	87.6
6:02:13 PM	74.5	80	69.7	93.2	74.5	80	69.7	93.2
6:03:13 PM	70	73.7	61.3	87.2	70	73.7	61.3	87.1
6:04:13 PM	71.2	80.7	56.3	95	71.1	80.7	56.2	95
6:05:13 PM	76.2	80.4	71.5	98.1	76.2	80.3	71.4	98
6:06:13 PM	70.9	76.1	62.5	89.6	70.9	76	62.5	89.6
6:07:13 PM	70.6	77.5	60.3	91.2	70.6	77.4	60.2	91.2
6:08:13 PM	75.4	80.8	67.7	93.8	75.3	80.7	67.7	93.8
6:09:13 PM	73	78.3	66.6	90.7	72.9	78.2	66.5	90.7
6:10:13 PM	70.1	75.9	58	89.6	70	75.9	57.9	89.5
6:11:13 PM	73.5	76.5	66.6	89.4	73.5	76.4	66.6	89.3
6:12:13 PM	69.8	73.3	64.1	87.6	69.7	73.2	64.1	87.5
6:13:13 PM	68.5	75.9	56	89.7	68.4	75.8	55.9	89.7
6:14:13 PM	75.4	79	71.2	91.9	75.3	78.9	71.2	91.9
6:15:13 PM	68.4	73.4	61.2	87.1	68.4	73.4	61.2	87
6:16:13 PM	68.7	74.1	58.7	87.3	68.7	74.1	58.6	87.3
6:17:13 PM	73.6	76.1	68.9	95.6	73.5	76.1	68.8	95.5
6:18:13 PM	71	80.7	63.7	95.5	71	80.7	63.6	95.4
6:19:13 PM	65.9	72.4	54.8	85.7	65.9	72.3	54.7	85.8
6:20:13 PM	73.2	77.6	63.8	90.7	73.1	77.6	63.8	90.8
6:21:13 PM	68.6	73.5	60.8	86.1	68.5	73.4	60.8	86
6:22:13 PM	69.4	76.1	54.8	89.9	69.3	76.1	54.8	89.8
6:23:13 PM	72.3	76	62	88.5	72.2	75.9	62	88.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
6:24:13 PM	70	74.3	62.1	88.9	70	74.3	62.1	88.9
6:25:13 PM	67.9	74.8	55.8	89.6	67.9	74.7	55.6	89.5
6:26:13 PM	76.1	81.6	70.5	94.6	76.1	81.5	70.5	94.6
6:27:13 PM	68.5	73.8	57.8	88.3	68.5	73.7	57.7	88.2
6:28:13 PM	69.6	76.1	55.9	88.9	69.5	76	55.9	88.8
6:29:13 PM	72.9	75.8	64.7	89.9	72.8	75.7	64.6	89.9
6:30:13 PM	70.3	74.9	57.7	89.3	70.2	74.8	57.6	89.2
6:31:13 PM	66.7	72.7	54.4	85.5	66.7	72.6	54.3	85.5
6:32:13 PM	73.1	78.6	65.5	92.2	73.1	78.5	65.5	92.1
6:33:13 PM	68.6	72.7	61.9	85.8	68.6	72.7	61.8	85.8
6:34:13 PM	66	72.5	58.3	85.4	65.9	72.5	58.3	85.4
6:35:13 PM	74.9	78.9	67.8	95.7	74.9	78.8	67.7	95.6
6:36:13 PM	65	71.3	51.8	85	65	71.2	51.7	85
6:37:13 PM	67.2	72.1	57.7	85.1	67.1	72	57.6	85.1
6:38:13 PM	74.2	79.5	66	93.8	74.2	79.4	65.9	93.8
6:39:13 PM	64.8	69.5	55.2	82.6	64.8	69.4	55.1	82.5
6:40:13 PM	71.1	77.8	60.8	92.3	71.1	77.8	60.8	92.3
6:41:13 PM	72.5	77.1	58.4	89.9	72.5	77	58.3	89.8
6:42:13 PM	65.4	72.5	53	86.2	65.3	72.4	52.9	86
6:43:13 PM	68.6	74	53.9	87	68.5	74	53.9	86.9
6:44:13 PM	72.9	78.2	63.7	92	72.9	78.1	63.6	91.9
6:45:13 PM	69	72.9	59.6	87.1	69	72.9	59.5	87
6:46:13 PM	69.1	75	55.2	88.2	69	75	55.1	88.2
6:47:13 PM	71	75.6	64.2	90.5	70.9	75.5	64.2	90.4
6:48:13 PM	66.3	73.4	52.4	86.3	66.2	73.3	52.1	86.3
6:49:13 PM	70.6	78.5	57.9	91.3	70.6	78.4	57.8	91.3
6:50:13 PM	74.4	83.4	63.7	97.1	74.3	83.3	63.7	97
6:51:13 PM	69	75.2	56.6	87.6	68.9	75.1	56.6	87.5
6:52:13 PM	70.6	82.7	50.2	95	70.5	82.7	50.1	94.9
6:53:13 PM	71.8	81.5	57	89.4	71.8	81.5	57	89.5
6:54:13 PM	67.2	71.9	53.6	93.6	67.2	71.8	53.5	93.6
6:55:13 PM	72.4	79.8	53.5	92.4	72.3	79.8	53.4	92.4
6:56:13 PM	71.8	79.8	55.4	92.9	71.8	79.8	55.3	92.8
6:57:13 PM	68.5	76.4	54.1	90.8	68.5	76.3	54	90.8
6:58:13 PM	68.3	78.5	52	90.4	68.2	78.4	51.9	90.4
6:59:13 PM	73.7	82.4	61.9	98	73.6	82.3	61.8	98
7:00:13 PM	66.6	72	53.6	85.7	66.6	71.9	53.5	85.5

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7:01:13 PM	69.6	76.7	53	90.6	69.5	76.6	53	90.6
7:02:13 PM	69.3	76.4	59.2	89.1	69.2	76.3	59.1	88.9
7:03:13 PM	69	75.7	55.1	88.3	68.9	75.6	55	88.3
7:04:13 PM	69	74.4	54.4	86.9	69	74.4	54.3	86.9
7:05:13 PM	71.9	79.8	63.4	93.2	71.9	79.7	63.4	93.1
7:06:13 PM	69.1	75.8	53.8	90.7	69	75.7	53.7	90.6
7:07:13 PM	69.4	73.9	55.2	87.9	69.4	73.8	55.2	87.9
7:08:13 PM	67.2	73	55.3	86.1	67.1	72.9	55.3	86
7:09:13 PM	73.5	79.9	63.2	93.6	73.4	79.9	63.1	93.5
7:10:13 PM	68.8	71.6	59.2	85.4	68.7	71.6	59.1	85.4
7:11:13 PM	72.1	76.3	65.5	89.2	72	76.3	65.4	89.1
7:12:13 PM	68.2	72.8	52.1	87.8	68.2	72.7	52	87.9
7:13:13 PM	70.4	74.7	52.2	87.8	70.4	74.6	52.1	87.7
7:14:13 PM	71.9	82.7	57.9	97.8	71.8	82.6	57.8	97.8
7:15:13 PM	70.7	78.6	55.5	91.8	70.7	78.6	55.4	91.7
7:16:13 PM	70	74.4	65.2	88.4	70	74.4	65.1	88.4
7:17:13 PM	72.4	80.1	61.3	95	72.3	80.1	61.2	94.9
7:18:13 PM	70.2	75.1	60.3	87.8	70.1	75.1	60.2	87.7
7:19:13 PM	69	76.7	56.5	89.3	68.9	76.7	56.4	89.3
7:20:13 PM	70.4	75.6	61.5	88.3	70.3	75.5	61.4	88.4
7:21:13 PM	70.7	80.1	54.5	92.9	70.6	80	54.5	92.8
7:22:13 PM	71.2	77.9	56.9	91.3	71.1	77.9	56.8	91.3
7:23:13 PM	65.1	74.8	53	85.7	65	74.7	52.9	85.7
7:24:13 PM	72.8	78.8	56.9	91.9	72.7	78.8	56.8	91.9
7:25:13 PM	63.5	71.6	50.1	84.5	63.5	71.6	49.9	84.3
7:26:13 PM	71	77.1	54.8	89.9	70.9	77.1	54.7	89.8
7:27:13 PM	67.2	74.3	52.1	90.7	67.1	74.3	52	90.6
7:28:13 PM	71.4	77.9	51.1	90.3	71.4	77.8	51	90.2
7:29:13 PM	73.6	88.1	59.7	107.5	73.6	88	59.6	107.4
7:30:13 PM	86	95.2	65.5	109.1	85.9	95.2	65.4	109
7:31:13 PM	75.4	77.8	71.5	90.6	75.4	77.7	71.5	90.6
7:32:13 PM	73.8	77.4	70	89.7	73.8	77.4	69.9	89.6
7:33:13 PM	73.9	78.8	69.8	91	73.9	78.7	69.8	91
7:34:13 PM	71.3	78.5	62.6	92.7	71.2	78.4	62.6	92.7
7:35:13 PM	72.3	78.6	54	91.2	72.2	78.5	53.9	91.2
7:36:13 PM	62.3	70.7	51.9	84.7	62.3	70.6	51.8	84.6
7:37:13 PM	70.9	75.9	56.2	89.5	70.9	75.8	56.1	89.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7:38:13 PM	61.9	69.8	52.9	82.9	61.8	69.8	52.8	82.8
7:39:13 PM	71.8	81.2	52.5	95.5	71.8	81.1	52.2	95.4
7:40:13 PM	67.4	75.3	57.7	87.6	67.3	75.2	57.6	87.6
7:41:13 PM	68.7	75.2	57.8	88.4	68.7	75.2	57.7	88.3
7:42:13 PM	70.4	79.1	62.1	91.4	70.4	79.1	62	91.4
7:43:13 PM	67.8	73.7	53.8	87.4	67.8	73.6	53.7	87.4
7:44:13 PM	67.3	73.3	54.3	89.3	67.3	73.3	54.3	89.2
7:45:13 PM	69.5	76.5	54.5	89.1	69.4	76.4	54.4	89
7:46:13 PM	72.4	80	63.2	96.2	72.3	80	63.2	96.1
7:47:13 PM	70.2	76.9	54.4	90.9	70.2	76.8	54.3	90.8
7:48:13 PM	70.9	75.3	61.8	88.2	70.8	75.2	61.8	88.1
7:49:13 PM	68.5	77.2	59.6	90.4	68.5	77.2	59.5	90.3
7:50:13 PM	70	75	60.3	88.9	70	75	60.2	88.9
7:51:13 PM	68.3	80.3	54.9	92.9	68.2	80.2	54.9	92.8
7:52:13 PM	71.1	76.8	62.4	89.5	71	76.7	62.3	89.4
7:53:13 PM	66.9	72.3	57.3	85.7	66.8	72.3	57.3	85.8
7:54:13 PM	73.4	81.7	53.9	98	73.3	81.6	53.9	97.9
7:55:13 PM	66.2	75.2	54.7	88.6	66.2	75.2	54.6	88.6
7:56:13 PM	68.7	82.7	56	95.5	68.6	82.7	55.9	95.4
7:57:13 PM	71.3	83.1	56.4	95.7	71.3	83.1	56.3	95.7
7:58:13 PM	69.5	76	61.1	89.8	69.4	75.9	61	89.8
7:59:13 PM	67.6	74.2	56.2	87.2	67.6	74.1	56.2	87.2
8:00:13 PM	66.4	77.5	55	91	66.3	77.5	54.9	90.9
8:01:13 PM	70.9	77.6	59.5	89.8	70.9	77.5	59.3	89.7
8:02:13 PM	62.7	71.9	54.1	85.8	62.6	71.8	54	85.8
8:03:13 PM	72.9	80.7	60.7	95.2	72.9	80.6	60.6	95.1
8:04:13 PM	71.1	78.1	57.1	91.7	71.1	78	57	91.7
8:05:13 PM	70.7	75.3	65.2	88.9	70.6	75.2	65.2	88.9
8:06:13 PM	64.9	71.1	54.1	83.5	64.8	71	54	83.3
8:07:13 PM	68.7	76.5	55.1	88.6	68.7	76.4	55	88.5
8:08:13 PM	66.4	71.1	58.9	85	66.3	71	58.9	84.9
8:09:13 PM	83.2	94.4	60.6	107.7	83.2	94.3	60.5	107.7
8:10:13 PM	79.9	93.2	72.4	101.6	79.9	93.2	72.4	101.5
8:11:13 PM	76.4	80.6	72.7	95.2	76.4	80.6	72.7	95.1
8:12:13 PM	72.4	75.5	66.3	89.1	72.3	75.4	66.2	89
8:13:13 PM	62.2	68	55.9	80.7	62.2	68	55.8	80.6
8:14:13 PM	75	84.1	58.7	99.4	74.9	84.1	58.7	99.3

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
8:15:13 PM	62.7	73.5	51.1	86.2	62.7	73.5	51.1	86.1
8:16:13 PM	76.7	86.1	51.5	101.7	76.7	86	51.4	101.6
8:17:13 PM	66.1	73.1	53.9	86.7	66	73.1	53.9	86.5
8:18:13 PM	70.5	80.7	56.2	93.1	70.4	80.7	56.1	93.1
8:19:13 PM	64.6	72.3	51.7	85.6	64.6	72.3	51.5	85.6
8:20:13 PM	69.9	74.3	51.6	88.7	69.8	74.2	51.5	88.7
8:21:13 PM	64.4	69.6	55.1	85.6	64.4	69.6	55	85.5
8:22:13 PM	69.1	78	53.6	91.7	69	77.9	53.5	91.6
8:23:13 PM	64.8	71.7	53.2	85.1	64.7	71.7	53	85.3
8:24:13 PM	70.4	79.1	57.1	94.7	70.4	79.1	57	94.6
8:25:13 PM	69.3	75.4	62.2	87.7	69.3	75.4	62.1	87.6
8:26:13 PM	69.2	74.6	60.9	88.4	69.2	74.5	60.8	88.3
8:27:13 PM	67.4	72.6	53.5	86.5	67.3	72.5	53.4	86.5
8:28:13 PM	64.9	74.7	53.7	87.4	64.8	74.7	53.7	87.3
8:29:13 PM	72.7	79.8	54.7	92.8	72.7	79.7	54.6	92.7
8:30:13 PM	69.3	79.5	52.4	92.9	69.3	79.5	52.2	92.8
8:31:13 PM	68	72.6	61.9	86.9	67.9	72.6	61.9	86.9
8:32:13 PM	62.8	69.2	54.1	82.6	62.7	69.2	54	82.6
8:33:13 PM	69.1	73	51.8	85.9	69	72.9	51.7	85.7
8:34:13 PM	63	69.6	51	81.4	62.9	69.6	51	81.3
8:35:13 PM	67.3	74.6	52.2	87.4	67.2	74.5	52.2	87.3
8:36:13 PM	68.3	75.4	53.5	87.9	68.3	75.3	53.4	87.9
8:37:13 PM	64.1	72	51	84.5	64.1	72	50.9	84.7
8:38:13 PM	62.6	69.1	53.7	82.5	62.5	69.1	53.6	82.4
8:39:13 PM	69.6	76.3	55.2	89.4	69.5	76.2	55.1	89.4
8:40:13 PM	68.2	73.2	58.2	86.4	68.1	73.1	58.1	86.5
8:41:13 PM	61.7	71.5	52.5	88.2	61.6	71.5	52.5	88.1
8:42:13 PM	69.7	75.4	57.9	88.4	69.7	75.3	57.8	88.4
8:43:13 PM	70.4	79.7	54.6	94	70.3	79.6	54.5	94
8:44:13 PM	67.8	74.2	57	87.2	67.7	74.2	56.9	87.1
8:45:13 PM	73.8	85.1	55.5	99	73.7	85	55.4	98.9
8:46:13 PM	70.9	76.3	57.8	90.1	70.8	76.3	57.7	90.1
8:47:13 PM	67	75.6	52.4	89.3	66.9	75.6	52.2	89.3
8:48:13 PM	70.7	77.4	51.3	90.2	70.6	77.3	51.1	90.1
8:49:13 PM	63.3	68.2	50.2	81.2	63.2	68.2	50.1	81.3
8:50:13 PM	66.8	73.8	49.4	89.4	66.7	73.7	49.1	89.3
8:51:13 PM	66.8	71.8	57.1	86.5	66.8	71.8	57.1	86.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
8:52:13 PM	65.3	73.6	50.3	86.5	65.2	73.5	50.2	86.4
8:53:13 PM	67.1	73.3	56.5	86	67	73.3	56.4	86
8:54:13 PM	69.3	78	58	91.7	69.2	77.9	57.9	91.7
8:55:13 PM	68.5	76.5	56.7	89.8	68.4	76.5	56.6	89.8
8:56:13 PM	61	71.3	46.4	84.2	60.9	71.2	46.2	84.1
8:57:13 PM	68.8	75.6	61.8	89.3	68.7	75.6	61.7	89.3
8:58:13 PM	61.6	68.6	50.3	84.2	61.5	68.6	50.2	84.1
8:59:13 PM	66.2	70.7	50.9	84.5	66.2	70.6	50.8	84.6
9:00:13 PM	66.3	73.9	49.7	88.3	66.2	73.8	49.6	88.2
9:01:13 PM	72.9	82.2	55.9	95.7	72.8	82.1	55.9	95.6
9:02:13 PM	65.6	73.4	48.1	85.4	65.6	73.3	47.8	85.4
9:03:13 PM	68.1	73.1	48.1	86.7	68	73.1	47.8	86.7
9:04:13 PM	66	72.8	51	85.6	65.9	72.7	50.9	85.4
9:05:13 PM	64.8	70.7	50.7	84.2	64.7	70.6	50.6	84.2
9:06:13 PM	66	71.6	50.6	85.8	65.9	71.5	50.5	85.7
9:07:13 PM	67.8	73	50.2	87	67.8	73	50.2	86.9
9:08:13 PM	66.4	74.2	51.8	86.9	66.4	74.1	51.8	87
9:09:13 PM	70.5	80.7	50.6	95.3	70.5	80.6	50.6	95.2
9:10:13 PM	68.3	73.7	53.9	87.9	68.2	73.6	53.8	87.9
9:11:13 PM	61.7	69.5	47.5	82.3	61.7	69.5	47.4	82.2
9:12:13 PM	69.8	75	50.8	89	69.7	75	50.7	88.9
9:13:13 PM	66.3	74.6	51.5	87.1	66.2	74.5	51.4	87.1
9:14:13 PM	66.9	72.1	56.6	84.8	66.8	72.1	56.5	84.7
9:15:13 PM	65.9	72.2	57.6	84.7	65.8	72.2	57.5	84.6
9:16:13 PM	66.5	73.9	50.3	86.8	66.4	73.8	50.3	86.7
9:17:13 PM	65.2	71.3	53.3	84.1	65.2	71.2	53.2	83.9
9:18:13 PM	62.5	70	51.9	83.1	62.5	70	51.8	83
9:19:13 PM	70.3	77.1	50.7	89.9	70.3	77	50.6	89.8
9:20:13 PM	67.1	75.1	49.9	88.1	67	75.1	49.8	88.1
9:21:13 PM	63.2	71.1	51.8	84	63.2	71	51.7	83.9
9:22:13 PM	66.5	74.6	51.3	87.4	66.4	74.6	51.3	87.3
9:23:13 PM	74.1	86.1	56.7	104.1	74	86.1	56.6	104
9:24:13 PM	72.1	83.4	52.1	101.6	72.1	83.4	52	101.5
9:25:13 PM	72.7	81.8	51.3	100.3	72.6	81.7	51.3	100.2
9:26:13 PM	69.2	78.7	54.1	91.9	69.1	78.6	54	91.8
9:27:13 PM	66.7	72.1	56.4	85.6	66.7	72	56.3	85.5
9:28:13 PM	64.5	72.6	49.6	85.2	64.4	72.5	49.5	85.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:29:13 PM	66.2	72.6	49.7	85.3	66.1	72.5	49.6	85.3
9:30:13 PM	64.8	73.4	52.5	86.4	64.8	73.4	52.4	86.4
9:31:13 PM	61.4	66.7	50.5	80.1	61.4	66.6	50.3	80.2
9:32:13 PM	79.5	90.5	59.5	106.5	79.4	90.5	59.3	106.4
9:33:13 PM	66.1	74	52.8	87.2	66.1	73.9	52.7	87.1
9:34:13 PM	65.2	71.4	52.1	84	65.2	71.3	52	84
9:35:13 PM	65.8	72.6	52.2	85.8	65.7	72.5	52.1	85.6
9:36:13 PM	71	76.5	58.7	89	71	76.4	58.6	88.9
9:37:13 PM	65.3	71.5	51.4	84.6	65.2	71.4	51.3	84.5
9:38:13 PM	68.9	75.1	51.7	88.2	68.8	75	51.5	88.1
9:39:13 PM	76	87.6	51.4	96.6	75.9	87.6	51.3	96.5
9:40:13 PM	69.9	79	50.8	96	69.9	79	50.7	96
9:41:13 PM	62.6	72.6	51.7	85.6	62.5	72.6	51.6	85.4
9:42:13 PM	67.2	77.2	52.6	91.2	67.1	77.1	52.5	91.2
9:43:13 PM	68.6	74.2	57.8	87	68.6	74.1	57.8	86.9
9:44:13 PM	63.5	72.5	51.5	86.5	63.4	72.5	51.4	86.5
9:45:13 PM	63.6	71.5	53.2	85.5	63.6	71.5	53	85.5
9:46:13 PM	66.1	73.7	53	87.7	66	73.7	52.9	87.6
9:47:13 PM	62.3	70.3	50.3	84	62.2	70.3	50.3	84
9:48:13 PM	65.7	74.5	50.6	87.9	65.6	74.5	50.5	87.8
9:49:13 PM	66.9	74.4	52.1	86.4	66.8	74.3	52	86.4
9:50:13 PM	64.5	70	52.9	86.9	64.4	69.9	52.8	86.8
9:51:13 PM	66.6	72.5	52.4	85.8	66.6	72.4	52.2	85.8
9:52:13 PM	60.1	68	51.1	81.7	60.1	67.9	51	81.7
9:53:13 PM	68.6	74.5	50.8	87.4	68.5	74.4	50.7	87.4
9:54:13 PM	67.9	73.6	56.9	86.5	67.9	73.6	56.8	86.5
9:55:13 PM	64.5	73.3	52.8	87.2	64.4	73.2	52.7	87
9:56:13 PM	71.1	78.8	60.7	91.1	71.1	78.7	60.6	91
9:57:13 PM	85.2	96.8	54.3	109.4	85.2	96.8	54.3	109.4
9:58:13 PM	73.2	85	56.8	96.2	73.2	85	56.7	96.2
9:59:13 PM	64.6	71.6	53.2	84.4	64.5	71.5	53	84.4
10:00:13 PM	67.9	75.1	57.9	86.7	67.9	75.1	57.8	86.7
10:01:13 PM	53	62.9	50.7	71.6	52.9	62.8	50.6	71.4
10:02:13 PM	70.5	79	51.7	92	70.5	79	51.7	91.9
10:03:13 PM	68.1	75.5	57.3	89.3	68.1	75.5	57.2	89.2
10:04:13 PM	64.8	71.5	51.6	84.5	64.7	71.4	51.5	84.4
10:05:13 PM	67.1	76.6	59.5	90	67.1	76.5	59.3	89.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
10:06:13 PM	68.7	78.5	51.9	90.6	68.6	78.4	51.8	90.6
10:07:13 PM	63.6	71.3	51.8	84.8	63.5	71.2	51.7	84.7
10:08:13 PM	69.2	77.2	59.5	91.7	69.1	77.1	59.5	91.6
10:09:13 PM	66	76.1	54.4	90.8	65.9	76	54.3	90.7
10:10:13 PM	64.8	71.9	53.3	85.4	64.8	71.8	53.2	85.3
10:11:13 PM	68.8	74.3	56.4	87.7	68.8	74.2	56.4	87.6
10:12:13 PM	66.8	75.9	53.7	88.3	66.8	75.8	53.6	88.2
10:13:13 PM	62.3	69.5	52.4	82.5	62.2	69.4	52.2	82.5
10:14:13 PM	70.6	78	53.4	90.5	70.5	78	53.4	90.4
10:15:13 PM	67.4	75.3	52.7	88.3	67.3	75.2	52.6	88.2
10:16:13 PM	64.4	71.2	52.9	84.3	64.3	71.1	52.8	84.2
10:17:13 PM	66	71.9	52	86.3	65.9	71.8	52	86.3
10:18:13 PM	64	71	52.9	84.1	63.9	70.9	52.8	84
10:19:13 PM	67.2	73.9	57	87.3	67.1	73.9	57	87.3
10:20:13 PM	68.1	74.2	55.3	87.1	68	74.2	55.3	86.9
10:21:13 PM	67.2	75.4	53.7	88.6	67.2	75.3	53.7	88.6
10:22:13 PM	71.4	80	54.4	93.6	71.4	80	54.3	93.5
10:23:13 PM	64.7	73.5	52.6	87.7	64.7	73.5	52.6	87.7
10:24:13 PM	62.2	69.9	52.7	87.3	62.2	69.8	52.6	87.4
10:25:13 PM	72.4	81.3	58.9	96.9	72.3	81.3	58.9	96.9
10:26:13 PM	63.7	72.4	52.7	87.1	63.6	72.4	52.6	87.1
10:27:13 PM	68.1	75.5	54.1	88.4	68.1	75.5	54.1	88.4
10:28:13 PM	72.9	81.4	56.6	97.2	72.9	81.4	56.5	97.2
10:29:13 PM	65.7	76	53.9	89.2	65.7	75.9	53.8	89.2
10:30:13 PM	69.7	78.7	54.5	91.1	69.7	78.6	54.5	91.1
10:31:13 PM	66.6	72.2	54.7	85.9	66.6	72.2	54.6	85.8
10:32:13 PM	64.5	74.9	54.1	87.7	64.4	74.9	54	87.5
10:33:13 PM	66.7	75.3	54.6	88.4	66.6	75.2	54.5	88.2
10:34:13 PM	60.7	67.7	52.7	81.2	60.6	67.6	52.6	81.2
10:35:13 PM	71.9	81.8	58.6	95.5	71.9	81.7	58.5	95.4
10:36:13 PM	65	71.7	53.7	91.3	65	71.6	53.6	91.3
10:37:13 PM	68.3	74.4	60.2	87.9	68.3	74.3	60.1	87.9
10:38:13 PM	62.8	71.6	55.5	84.2	62.7	71.6	55.4	84.1
10:39:13 PM	68	78.3	53.6	92.6	68	78.2	53.6	92.5
10:40:13 PM	64.7	73.5	53	86.8	64.6	73.4	52.9	86.6
10:41:13 PM	65.1	71.8	53.9	85.1	65.1	71.8	53.8	85
10:42:13 PM	68.6	76.9	59.3	91.1	68.6	76.8	59.3	91

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
10:43:13 PM	70.5	78.4	58.1	90.8	70.4	78.3	58	90.8
10:44:13 PM	68.9	73.2	55.4	86	68.8	73.1	55.3	85.9
10:45:13 PM	65.1	69.1	58.9	82	65	69.1	58.8	82
10:46:13 PM	83.3	95.4	58.1	112	83.2	95.4	58.1	112
10:47:13 PM	57.2	67.2	52.6	77.1	57.1	67.2	52.5	77.1
10:48:13 PM	66.2	75.8	53.6	91	66.1	75.8	53.5	90.9
10:49:13 PM	67.9	79.1	53.3	92.3	67.8	79.1	53.2	92.2
10:50:13 PM	68.8	74.2	53.4	87.1	68.7	74.1	53.4	87
10:51:13 PM	62.8	70	54.6	83.5	62.8	70	54.6	83.4
10:52:13 PM	63.6	71.1	53.6	84.1	63.6	71	53.5	84
10:53:13 PM	61.1	68.1	53.2	82.6	61	68.1	53	82.5
10:54:13 PM	66.7	80.3	56.9	97.1	66.7	80.2	56.8	97
10:55:13 PM	68.4	80.7	53.7	93.6	68.4	80.7	53.6	93.6
10:56:13 PM	66.4	77.2	54.4	90.1	66.3	77.1	54.3	90.1
10:57:13 PM	72	82	53.9	99.5	71.9	81.9	53.9	99.5
10:58:13 PM	58.5	63	52.9	76.2	58.4	63	52.8	76.2
10:59:13 PM	68.6	75.7	56.9	89	68.6	75.6	56.9	88.9
11:00:13 PM	63.7	73.5	54.1	87.3	63.6	73.4	54	87.3
11:01:13 PM	55.9	62.8	52.8	75.5	55.8	62.8	52.8	75.4
11:02:13 PM	64.1	68.9	55	83	64	68.9	54.9	83.2
11:03:13 PM	63.1	70.3	53.5	82.7	63.1	70.2	53.4	82.7
11:04:13 PM	65.4	73.9	53.4	87.7	65.3	73.8	53.3	87.7
11:05:13 PM	65.1	72.2	53.7	84.8	65	72.1	53.6	84.8
11:06:13 PM	68.7	76.8	54.3	90.4	68.6	76.7	54.1	90.3
11:07:13 PM	64.7	72.4	54.4	86.2	64.6	72.4	54.4	86.2
11:08:13 PM	63.8	69.6	53.9	82.5	63.8	69.5	53.8	82.4
11:09:13 PM	66.6	74.3	56.1	86.6	66.6	74.3	56	86.6
11:10:13 PM	68.4	77.8	56.2	91.3	68.4	77.8	56.1	91.2
11:11:13 PM	61	68.1	53.6	81.4	60.9	68	53.6	81.5
11:12:13 PM	65.2	74.6	53.7	87.6	65.2	74.6	53.6	87.5
11:13:13 PM	63.6	71.3	53.6	85	63.6	71.2	53.5	84.9
11:14:13 PM	88.1	96.4	57.8	115.1	88	96.4	57.7	115
11:15:13 PM	64.6	71.1	54.1	84.5	64.6	71.1	54	84.4
11:16:13 PM	61.9	70.1	54	83	61.9	70	53.9	83.1
11:17:13 PM	69.2	79.6	53.7	96.9	69.1	79.6	53.7	96.8
11:18:13 PM	64.5	70.1	55.1	85.1	64.5	70	55	85.1
11:19:13 PM	68.9	77.7	54	90.5	68.8	77.6	53.9	90.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
11:20:13 PM	64.8	73	53.7	85.9	64.7	73	53.6	85.8
11:21:13 PM	64.7	70.5	53.5	84.2	64.6	70.4	53.4	84.3
11:22:13 PM	63.3	70.1	54.7	82.5	63.2	70.1	54.6	82.4
11:23:13 PM	68.5	76.1	54.6	98.8	68.4	76	54.5	98.8
11:24:13 PM	61.1	71.7	53.6	84.2	61	71.6	53.5	84.2
11:25:13 PM	66.6	77	54.6	89.8	66.6	76.9	54.5	89.8
11:26:13 PM	58.9	67	53.2	80.8	58.8	66.9	53	80.8
11:27:13 PM	62.3	68.8	53.2	81.6	62.2	68.7	53	81.6
11:28:13 PM	66.3	77	55	90.1	66.2	76.9	54.9	90.1
11:29:13 PM	63.5	74.1	54.1	86.7	63.5	74.1	54	86.7
11:30:13 PM	61.2	69.9	53.5	82	61.1	69.8	53.4	82
11:31:13 PM	60.5	63.9	54	77.1	60.5	63.8	53.9	77.4
11:32:13 PM	63.6	70.8	54.5	84.4	63.6	70.7	54.4	84.4
11:33:13 PM	64.7	72	54.1	88.2	64.7	71.9	54	88.1
11:34:13 PM	59.9	69.3	53.6	89	59.8	69.3	53.5	88.9
11:35:13 PM	60.9	68.7	54.1	82.1	60.9	68.6	54	82
11:36:13 PM	67	76	56	88.7	67	75.9	56	88.6
11:37:13 PM	71.3	76.7	60.2	90	71.2	76.7	60.2	90.1
11:38:13 PM	75.4	85.6	57.9	102.3	75.3	85.5	57.9	102.2
11:39:13 PM	63.9	71.3	55.4	85.3	63.9	71.2	55.4	85.3
11:40:13 PM	66	75	56.1	88.5	65.9	74.9	56	88.5
11:41:13 PM	64	73.4	54.1	87.1	63.9	73.4	54.1	87
11:42:13 PM	64.9	72.4	53.7	87.1	64.8	72.3	53.7	87
11:43:13 PM	57.7	64.6	53.3	78.7	57.6	64.6	53.3	78.6
11:44:13 PM	66.8	75.7	53.2	88.5	66.8	75.7	53.2	88.4
11:45:13 PM	66.4	76	56	88.2	66.3	76	55.9	88.1
11:46:13 PM	67.7	75.6	54.1	90.3	67.6	75.5	54	90.3
11:47:13 PM	66	75.2	54.3	88.6	65.9	75.1	54.1	88.5
11:48:13 PM	62.6	70.8	54.3	86.1	62.5	70.7	54.1	86.1
11:49:13 PM	61.9	68.4	54.6	81.5	61.9	68.4	54.6	81.5
11:50:13 PM	65	72.6	53.5	85.9	65	72.6	53.4	85.8
11:51:13 PM	60.8	68.1	53.9	81.2	60.7	68.1	53.8	81.2
11:52:13 PM	64.3	70.8	53.7	83.7	64.2	70.8	53.6	83.6
11:53:13 PM	66.3	70.8	58	87.4	66.2	70.8	57.9	87.5
11:54:13 PM	68	78.9	53.8	93.5	67.9	78.9	53.7	93.4
11:55:13 PM	57.2	64.6	53.9	79	57.1	64.5	53.8	78.9
11:56:13 PM	63.7	69.7	54.7	88.6	63.7	69.6	54.6	88.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
11:57:13 PM	67.6	72.9	54.9	91.3	67.6	72.9	54.8	91.2
11:58:13 PM	65.3	72.3	54.8	85.8	65.3	72.2	54.8	85.6
11:59:13 PM	65.8	75.4	53.9	90.2	65.7	75.3	53.9	90
7/23/2021 12:00:13 AM	65.6	73	53.9	85.5	65.5	73	53.8	85.5
12:01:13 AM	54.3	61.4	53.2	75.4	54.2	61.3	53	75.4
12:02:13 AM	65.6	74.6	54.4	88	65.6	74.5	54.3	87.9
12:03:13 AM	56.7	64	53.2	77.4	56.6	64	53	77.4
12:04:13 AM	65.4	76.7	53.3	90.4	65.4	76.7	53.2	90.4
12:05:13 AM	65.6	72.7	54.6	86	65.6	72.6	54.5	85.9
12:06:13 AM	61	71.9	53.4	85.1	60.9	71.9	53.3	85.1
12:07:13 AM	63.2	69.6	54	83	63.2	69.6	53.9	83
12:08:13 AM	62.3	69.3	53.4	82.1	62.3	69.2	53.3	82.1
12:09:13 AM	64.4	72.5	54.4	85.7	64.4	72.5	54.4	85.7
12:10:13 AM	61.8	68.7	53.8	82.7	61.7	68.7	53.7	82.7
12:11:13 AM	58.3	65	53.4	78.6	58.2	64.9	53.3	78.6
12:12:13 AM	55.3	61	53	73.6	55.2	60.9	52.9	73.8
12:13:13 AM	62.4	70.1	53.3	83	62.3	70	53.2	82.9
12:14:13 AM	61.2	70.3	53.2	83.9	61.1	70.3	53	83.8
12:15:13 AM	67.7	79	53.8	92.4	67.7	78.9	53.8	92.3
12:16:13 AM	70.9	82.3	53.9	95.5	70.9	82.3	53.8	95.4
12:17:13 AM	63.9	74.4	53.7	83.2	63.9	74.4	53.6	83.1
12:18:13 AM	67.2	76.7	58.6	92.8	67.2	76.6	58.5	92.7
12:19:13 AM	64.4	70.1	54.3	83.3	64.3	70.1	54.3	83.1
12:20:13 AM	63	70.8	54	84.4	62.9	70.8	53.9	84.3
12:21:13 AM	68.4	76.8	55.1	92.3	68.3	76.7	55	92.3
12:22:13 AM	58.8	67.1	53	80.7	58.7	67	52.9	80.6
12:23:13 AM	67	74	54.5	87	66.9	73.9	54.4	86.9
12:24:13 AM	64.5	72.6	53.3	86.1	64.4	72.6	53.3	85.9
12:25:13 AM	61.5	68.6	52.6	81.6	61.5	68.5	52.6	81.5
12:26:13 AM	67	78.9	52.6	91.5	67	78.9	52.5	91.4
12:27:13 AM	67.5	76	53.6	88.9	67.4	76	53.5	88.8
12:28:13 AM	62	69.7	52.7	82.1	61.9	69.7	52.6	81.9
12:29:13 AM	63	69.9	53	83.2	62.9	69.8	52.9	83
12:30:13 AM	61.4	69.4	52.7	83.7	61.4	69.3	52.7	83.6
12:31:13 AM	63.8	71.2	52.6	84.9	63.7	71.2	52.6	84.8
12:32:13 AM	62.5	71.7	52.4	85.8	62.4	71.7	52.2	85.6
12:33:13 AM	68.3	78.6	52.9	91.3	68.3	78.6	52.8	91.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
12:34:13 AM	63.5	72.6	52	85.1	63.4	72.6	51.9	85
12:35:13 AM	60.1	70.6	52	84.1	60.1	70.5	51.9	84
12:36:13 AM	63.6	69.6	53.2	84.4	63.5	69.5	53.2	84.2
12:37:13 AM	65	73	53.8	86.2	64.9	72.9	53.6	86.1
12:38:13 AM	69.8	85	52.8	99.9	69.8	84.9	52.7	99.9
12:39:13 AM	70.9	84.8	52.8	96.1	70.9	84.8	52.7	96
12:40:13 AM	60.4	69.3	52.6	83.2	60.3	69.2	52.5	83.2
12:41:13 AM	65.7	72.7	54.8	85.9	65.6	72.6	54.7	85.8
12:42:13 AM	65.3	75.8	54.4	88.4	65.3	75.8	54.4	88.4
12:43:13 AM	62.3	73	52.7	86.3	62.2	73	52.6	86.2
12:44:13 AM	58.2	68.9	52.2	82.8	58.1	68.8	52.2	82.7
12:45:13 AM	66.2	74.6	53	88.5	66.1	74.5	52.9	88.4
12:46:13 AM	59.6	65	52.7	79	59.5	64.9	52.6	78.9
12:47:13 AM	65.4	72.2	53.2	85.2	65.3	72.1	53	85.2
12:48:13 AM	66.5	77.1	53.2	90.7	66.4	77	53	90.6
12:49:13 AM	62	69.1	53	82.8	61.9	69.1	53	82.8
12:50:13 AM	64.3	74	52.4	88.9	64.2	73.9	52.2	88.8
12:51:13 AM	57.1	64.4	51.9	77.2	57.1	64.4	51.9	77.2
12:52:13 AM	67.5	79.7	51.8	92.6	67.4	79.6	51.7	92.6
12:53:13 AM	62.6	69.6	52.5	85.7	62.6	69.6	52.4	85.6
12:54:13 AM	61.9	68.8	53.3	81.5	61.8	68.7	53.2	81.6
12:55:13 AM	61.8	71.2	52.2	85.4	61.8	71.2	52.1	85.3
12:56:13 AM	58.4	67.8	52.4	81.3	58.4	67.7	52.2	81.2
12:57:13 AM	66.8	77.4	52.8	90.7	66.8	77.3	52.7	90.6
12:58:13 AM	63.9	71.7	52.6	85.7	63.9	71.6	52.5	85.7
12:59:13 AM	59.2	69.6	51.8	83.5	59.2	69.6	51.8	83.4
1:00:13 AM	61.9	70	51.9	84.1	61.8	69.9	51.8	84
1:01:13 AM	55.6	61.5	51.3	73.8	55.6	61.5	51.3	73.9
1:02:13 AM	58	65.9	51.4	78.7	58	65.8	51.3	78.6
1:03:13 AM	58.7	67.3	51.4	80.1	58.7	67.2	51.3	79.9
1:04:13 AM	64	71.6	51.5	84.1	64	71.6	51.5	84.1
1:05:13 AM	67.5	78.9	52.4	92.7	67.4	78.9	52.2	92.6
1:06:13 AM	59.3	68.1	51.8	79.1	59.2	68.1	51.7	79
1:07:13 AM	59.4	68.1	51.5	81.4	59.4	68	51.5	81.3
1:08:13 AM	64	73	52.1	86.2	63.9	73	52	86.1
1:09:13 AM	60.5	69.7	51.7	83	60.4	69.6	51.6	83.1
1:10:13 AM	68.6	79.1	53.5	91.6	68.5	79.1	53.4	91.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
1:11:13 AM	56.8	67.1	51.4	82.3	56.7	67	51.3	82.3
1:12:13 AM	61.9	70.8	51.4	84.4	61.8	70.7	51.3	84.3
1:13:13 AM	51.7	52.4	51.1	68.2	51.6	52.2	51	68.2
1:14:13 AM	57.7	66.6	51.5	79.4	57.6	66.6	51.4	79.5
1:15:13 AM	58.7	66.3	51.7	82.9	58.6	66.2	51.7	82.8
1:16:13 AM	66.8	78.1	51.9	91.9	66.8	78.1	51.8	91.9
1:17:13 AM	64.8	74.4	51.8	86.9	64.7	74.4	51.7	86.8
1:18:13 AM	58.2	66	50.9	80.2	58.2	65.9	50.8	80.3
1:19:13 AM	61.2	71.5	51.3	84.2	61.2	71.5	51.1	84.3
1:20:13 AM	57.5	67.6	51.4	81.2	57.4	67.6	51.4	81.1
1:21:13 AM	67	78.8	51.5	93	66.9	78.7	51.5	92.9
1:22:13 AM	65.9	76.9	54.1	89.7	65.8	76.9	54	89.7
1:23:13 AM	62.8	70.2	54.7	81.7	62.7	70.1	54.7	81.7
1:24:13 AM	74.1	83.5	57	101.6	74	83.4	57	101.6
1:25:13 AM	69.1	80.2	52.2	95.3	69.1	80.2	52.1	95.2
1:26:13 AM	62.4	70.5	52.1	83.9	62.4	70.4	52.1	83.8
1:27:13 AM	57.3	66.9	50.9	82.9	57.3	66.9	50.8	82.9
1:28:13 AM	66.9	78.1	50.1	90	66.8	78.1	49.9	89.9
1:29:13 AM	61.7	68.9	52.5	82.3	61.7	68.8	52.4	82.3
1:30:13 AM	58	69.3	50.5	82.7	57.9	69.2	50.3	82.6
1:31:13 AM	70.6	82.5	53	96.3	70.5	82.4	52.9	96.2
1:32:13 AM	51.7	57.8	50.3	68.3	51.6	57.8	50.2	68.5
1:33:13 AM	60.8	72.9	50.2	86.9	60.7	72.9	50.2	86.9
1:34:13 AM	62.9	72	50.9	85.7	62.8	71.9	50.9	85.7
1:35:13 AM	60	67.4	50.3	80.3	59.9	67.3	50.3	80.2
1:36:13 AM	57.8	65.9	49.8	80.9	57.7	65.9	49.7	80.6
1:37:13 AM	61.9	71	50.5	83.5	61.9	70.9	50.5	83.5
1:38:13 AM	64	73.4	52	86	63.9	73.3	52	86
1:39:13 AM	61.6	70	50.2	83.2	61.5	69.9	50.1	83.1
1:40:13 AM	58.4	67.8	49.8	81.2	58.4	67.8	49.7	81.2
1:41:13 AM	69.5	79.6	51.5	92.4	69.4	79.5	51.5	92.3
1:42:13 AM	66.7	75.4	54.6	88.2	66.6	75.3	54.5	88.2
1:43:13 AM	65	73.2	51.3	86.7	64.9	73.1	51.1	86.6
1:44:13 AM	67.2	73.3	51.3	88.2	67.1	73.3	51.1	88
1:45:13 AM	62.3	72.1	50.2	85.2	62.3	72	50.1	85.2
1:46:13 AM	67.1	75.3	50.7	87.7	67	75.3	50.7	87.6
1:47:13 AM	62.4	70.6	50.7	83.7	62.3	70.5	50.6	83.7

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
1:48:13 AM	58.1	68	50.1	82.2	58.1	67.9	50.1	82.2
1:49:13 AM	57.8	65.2	50.7	78.5	57.8	65.1	50.6	78.4
1:50:13 AM	56	62.9	48.6	76.6	55.9	62.9	48.5	76.4
1:51:13 AM	58.2	69.5	48.9	82.5	58.1	69.5	48.9	82.4
1:52:13 AM	64.4	74.1	49.6	85.3	64.3	74	49.6	85.3
1:53:13 AM	57.1	65.7	49.2	78.8	57	65.6	49.1	78.6
1:54:13 AM	60.9	69.6	49.2	82.5	60.8	69.6	49.2	82.6
1:55:13 AM	61.3	70.6	49.7	83.7	61.2	70.6	49.6	83.7
1:56:13 AM	58	67.4	49.1	81.4	57.9	67.3	49	81.5
1:57:13 AM	56.9	64.8	49	78.3	56.9	64.8	49	78.1
1:58:13 AM	59.4	67.2	49	80	59.3	67.1	49	80
1:59:13 AM	66.9	78	49.4	91.6	66.9	77.9	49.4	91.5
2:00:13 AM	66	74.2	50.5	87.7	66	74.1	50.3	87.7
2:01:13 AM	55.5	67.9	49.5	81.4	55.5	67.8	49.5	81.2
2:02:13 AM	70.4	81.6	52.6	97.1	70.3	81.5	52.5	97
2:03:13 AM	57.7	66.7	48.7	81.5	57.7	66.6	48.7	81.6
2:04:13 AM	63.5	74.5	49.2	88.6	63.4	74.4	49.2	88.5
2:05:13 AM	58.4	67.4	49.2	80.4	58.3	67.3	49.2	80.2
2:06:13 AM	69.2	78.2	51	91.4	69.1	78.2	51	91.3
2:07:13 AM	63.6	70.9	51.1	84.4	63.5	70.8	51.1	84.3
2:08:13 AM	64	74.8	49.9	87.5	64	74.7	49.9	87.4
2:09:13 AM	62.6	70.6	50.6	83.3	62.6	70.5	50.5	83.3
2:10:13 AM	61.6	69.7	49.6	83.8	61.5	69.6	49.6	83.6
2:11:13 AM	61.6	68.9	50.1	81.6	61.5	68.9	49.9	81.6
2:12:13 AM	59.4	66.3	50.3	80.2	59.4	66.3	50.2	80.1
2:13:13 AM	63.2	69.6	50.3	82.7	63.2	69.6	50.2	82.7
2:14:13 AM	64.4	72.4	50.1	85.5	64.4	72.4	49.9	85.4
2:15:13 AM	65.2	77.1	49.5	90.6	65.2	77.1	49.5	90.6
2:16:13 AM	64.7	73.4	50.1	86.9	64.6	73.4	50.1	86.9
2:17:13 AM	59.5	68.3	48.6	81.7	59.5	68.3	48.6	81.7
2:18:13 AM	63.6	72.2	49.2	87.4	63.5	72.1	49.2	87.3
2:19:13 AM	60.3	69.1	47.5	81.6	60.2	69	47.7	81.5
2:20:13 AM	68.4	78.5	48.3	91.8	68.4	78.4	48.3	91.8
2:21:13 AM	60.8	69.7	49.2	82.2	60.8	69.7	49.2	82.3
2:22:13 AM	53.8	59.1	48.5	73.1	53.8	59.1	48.5	72.7
2:23:13 AM	65.3	74.3	48.7	88.3	65.3	74.2	48.7	88.2
2:24:13 AM	58.6	69.3	48.7	81.9	58.6	69.2	48.7	81.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
2:25:13 AM	66.3	76.7	49.9	88.3	66.2	76.6	49.9	88.3
2:26:13 AM	56.6	66.1	49.5	79	56.6	66	49.4	78.7
2:27:13 AM	59.3	67.7	49.1	80.5	59.2	67.7	49.1	80.6
2:28:13 AM	57.7	66.9	49.1	79.2	57.6	66.9	49	79.1
2:29:13 AM	60.2	68	48.6	82.1	60.1	67.9	48.6	82
2:30:13 AM	61.2	71.5	47.7	84.6	61.1	71.5	47.7	84.5
2:31:13 AM	62.5	73.7	47.4	85.1	62.4	73.6	47.4	85.1
2:32:13 AM	61.9	70.4	49.4	85.7	61.8	70.3	49.2	85.6
2:33:13 AM	55.2	65.6	47.5	77.7	55.2	65.5	47.5	77.7
2:34:13 AM	56.7	67	48.2	81	56.6	67	48.2	80.8
2:35:13 AM	60.9	68.1	49.1	81.1	60.9	68	49.1	81.2
2:36:13 AM	61.9	68.4	49.6	81.3	61.8	68.3	49.5	81.2
2:37:13 AM	63	70.8	49.2	87.4	62.9	70.7	49.1	87.4
2:38:13 AM	78.3	88	56.5	102.7	78.3	88	56.5	102.7
2:39:13 AM	69.8	78.9	48.3	93.9	69.8	78.8	48.3	93.8
2:40:13 AM	68.7	78.4	55	91.1	68.6	78.3	55	91
2:41:13 AM	71.9	79.4	53.3	93.1	71.9	79.4	53.2	93.1
2:42:13 AM	66.6	78.4	49.5	88.6	66.5	78.3	49.5	88.6
2:43:13 AM	57.7	65.5	47.5	79	57.6	65.4	47.5	78.8
2:44:13 AM	72	81.3	52.5	96.3	72	81.3	52.4	96.3
2:45:13 AM	67.4	75	56	88	67.4	74.9	55.9	87.9
2:46:13 AM	58.3	70.8	48.7	80.6	58.2	70.8	48.7	80.5
2:47:13 AM	63	68.8	51	82.9	62.9	68.8	50.9	82.8
2:48:13 AM	60.2	69.4	48.3	81.5	60.1	69.4	48.3	81.5
2:49:13 AM	60.1	67.2	51.4	80.8	60	67.1	51.3	80.8
2:50:13 AM	50.4	61.2	47.4	71.6	50.4	61.2	47.4	71.2
2:51:13 AM	83.9	95	47.7	111.8	83.9	94.9	47.5	111.8
2:52:13 AM	55.3	63.4	47.1	80	55.3	63.3	47.1	80.1
2:53:13 AM	58.1	65.6	48.1	79.1	58	65.5	47.9	79
2:54:13 AM	75.3	86.2	47.8	99.8	75.3	86.2	47.8	99.8
2:55:13 AM	55.8	66.7	46.9	80.2	55.7	66.6	46.9	80.1
2:56:13 AM	65.4	77.2	46.6	89.9	65.4	77.1	46.6	89.8
2:57:13 AM	68.4	78.7	46.8	93.6	68.4	78.6	46.8	93.6
2:58:13 AM	57.5	66.7	46.8	79.9	57.5	66.6	46.8	80
2:59:13 AM	63.2	72.3	46.8	86.2	63.1	72.2	46.8	86.1
3:00:13 AM	73.6	86.7	50.8	99	73.6	86.7	50.7	98.9
3:01:13 AM	66.4	78.6	46.6	91.7	66.3	78.6	46.6	91.7

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:02:13 AM	54.9	65.9	46.1	79.6	54.9	65.9	46.1	79.5
3:03:13 AM	62.3	71.2	47.1	84.1	62.2	71.2	47.1	84.1
3:04:13 AM	64.3	73.6	51	86.7	64.2	73.5	51	86.6
3:05:13 AM	66.7	77.7	46.6	90.8	66.7	77.6	46.5	90.7
3:06:13 AM	64.3	76.4	46.8	90.4	64.2	76.3	46.8	90.3
3:07:13 AM	54.7	62.9	47.9	76.7	54.6	62.8	47.8	76.5
3:08:13 AM	56.3	64.5	46.8	77.7	56.3	64.5	46.6	77.5
3:09:13 AM	67.5	78.8	49.1	94.7	67.5	78.8	49.1	94.6
3:10:13 AM	67.2	78	46.8	91.7	67.2	78	46.8	91.6
3:11:13 AM	66.2	75.8	48.2	88.2	66.2	75.7	48.2	88.2
3:12:13 AM	60.6	67.8	46.6	81.2	60.6	67.8	46.5	81.2
3:13:13 AM	57.9	67.5	46.5	81	57.9	67.5	46.5	80.9
3:14:13 AM	57.3	67.5	47.5	80.9	57.3	67.4	47.4	80.8
3:15:13 AM	58.5	68.4	47.5	82.9	58.5	68.3	47.5	82.7
3:16:13 AM	65.9	74	47.9	87.2	65.8	74	47.9	87.1
3:17:13 AM	68.3	77.2	52	90.6	68.2	77.1	51.9	90.6
3:18:13 AM	62.6	71.6	49	85	62.6	71.5	49	84.8
3:19:13 AM	66.1	72	53.8	85.7	66	72	53.7	85.7
3:20:13 AM	65.2	74.6	50.3	88	65.1	74.6	50.3	87.9
3:21:13 AM	66	76.9	49.6	90.1	65.9	76.9	49.6	90
3:22:13 AM	62	69.1	48.5	82.5	61.9	69	48.5	82.6
3:23:13 AM	60.7	69.2	49.5	83.3	60.6	69.1	49.5	83.1
3:24:13 AM	67.9	79	48.5	93.3	67.8	78.9	48.5	93.2
3:25:13 AM	60.3	65.9	47.8	79.4	60.2	65.8	47.8	79.4
3:26:13 AM	69.2	76.1	58.1	88.5	69.1	76	58	88.4
3:27:13 AM	61.4	71.1	47.5	84.2	61.4	71	47.5	84.1
3:28:13 AM	66.2	73.3	48.5	86.4	66.1	73.2	48.3	86.4
3:29:13 AM	58.6	70.1	47.4	81.6	58.6	70.1	47.2	81.5
3:30:13 AM	67	77.1	48.7	88.6	66.9	77	48.7	88.6
3:31:13 AM	62.5	69.8	48.7	83.9	62.4	69.8	48.7	83.8
3:32:13 AM	74	87.3	53.4	97.3	73.9	87.2	53.3	97.3
3:33:13 AM	68.3	78.6	49.9	91.5	68.3	78.5	49.8	91.4
3:34:13 AM	74.3	86.4	47.8	98.4	74.3	86.3	47.7	98.4
3:35:13 AM	78.8	90.3	52.6	101.5	78.7	90.3	52.5	101.5
3:36:13 AM	74.3	85.9	51.9	95.8	74.3	85.8	51.9	95.7
3:37:13 AM	64.1	75	48.1	86.6	64.1	74.9	47.9	86.6
3:38:13 AM	67.1	76.8	51.7	88.6	67.1	76.7	51.6	88.5

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:39:13 AM	67.5	78.7	51.4	91.5	67.5	78.6	51.1	91.4
3:40:13 AM	64.7	76.4	49.1	89.3	64.6	76.3	49	89.2
3:41:13 AM	84.6	94.8	59.3	109.5	84.6	94.8	59.2	109.5
3:42:13 AM	74	80.1	62	92.5	74	80	61.9	92.4
3:43:13 AM	63.3	67.2	54.5	80.3	63.3	67.1	54.4	80.2
3:44:13 AM	64	72.7	51.8	85	64	72.6	51.7	84.9
3:45:13 AM	68.8	77.1	55.9	90.2	68.7	77	55.8	90.2
3:46:13 AM	66.9	73.9	55.8	91.4	66.8	73.9	55.6	91.4
3:47:13 AM	70.6	78.7	59	95.5	70.5	78.6	58.9	95.5
3:48:13 AM	68.5	79	53.4	91.3	68.4	79	53.3	91.2
3:49:13 AM	66.5	71.9	53.5	85.2	66.5	71.9	53.4	85.1
3:50:13 AM	62.7	71.4	49.4	81.4	62.6	71.3	49.2	81.3
3:51:13 AM	66.3	74.7	51.5	87.7	66.2	74.6	51.4	87.7
3:52:13 AM	69.7	76.1	57.8	90.8	69.6	76.1	57.7	90.7
3:53:13 AM	59.5	67.4	48.7	89.5	59.4	67.4	48.6	89.5
3:54:13 AM	63.4	70.1	52.9	82.6	63.3	70.1	52.8	82.4
3:55:13 AM	64.4	72.5	48.5	87.1	64.4	72.5	48.3	87
3:56:13 AM	66.7	76.2	50.6	89.5	66.7	76.1	50.6	89.5
3:57:13 AM	63.6	72	50.9	85.9	63.6	72	50.8	85.8
3:58:13 AM	65.8	72.8	49.4	86.2	65.8	72.8	49.2	86.1
3:59:13 AM	68	79.3	48.7	91.6	67.9	79.2	48.6	91.5
4:00:13 AM	65.6	71.5	53.6	85.1	65.6	71.5	53.5	85
4:01:13 AM	62.4	69.5	49.7	82.4	62.4	69.4	49.5	82.4
4:02:13 AM	66.1	76	48.7	89.2	66	76	48.6	89.1
4:03:13 AM	63.3	73.7	47.9	84.9	63.3	73.6	47.8	84.9
4:04:13 AM	67.5	74.1	58.6	86.4	67.5	74.1	58.5	86.4
4:05:13 AM	64.3	72.8	50.1	85.9	64.3	72.8	49.9	85.8
4:06:13 AM	63.2	71.5	49	84.4	63.2	71.4	48.7	84.5
4:07:13 AM	62.8	70.2	50.3	86.6	62.7	70.1	50.2	86.7
4:08:13 AM	68.3	78.6	55.2	91.2	68.3	78.5	55.1	91.1
4:09:13 AM	71.9	82.6	53.9	98.4	71.8	82.6	53.8	98.4
4:10:13 AM	61	66.2	53.5	78.6	61	66.1	53.4	78.5
4:11:13 AM	63.7	73	51.4	85.7	63.6	72.9	51.3	85.7
4:12:13 AM	67.7	77.6	54.8	90.2	67.6	77.5	54.8	90.2
4:13:13 AM	89.7	99	51.4	111.6	89.6	99	51.3	111.5
4:14:13 AM	74.6	85.7	69.2	94.5	74.5	85.7	69.1	94.5
4:15:13 AM	73.2	77.5	70.7	90.6	73.1	77.4	70.7	90.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
4:16:13 AM	64.2	72.6	47.4	84.7	64.1	72.5	47.2	84.6
4:17:13 AM	63.3	71.4	47.8	85.2	63.3	71.4	47.7	85.1
4:18:13 AM	70.6	82.9	52.6	97.7	70.5	82.8	52.5	97.7
4:19:13 AM	67.1	76.5	49.7	90.2	67	76.4	49.5	90.2
4:20:13 AM	65.6	78.5	48.3	91.9	65.5	78.5	48.2	91.8
4:21:13 AM	65	77.3	50.7	87.2	64.9	77.3	50.6	87.1
4:22:13 AM	63.3	70.7	52.2	84.2	63.2	70.7	52.1	84.1
4:23:13 AM	67.6	77.3	54.9	92.4	67.6	77.2	54.8	92.4
4:24:13 AM	66.4	73.8	53.9	86.4	66.3	73.8	53.8	86.3
4:25:13 AM	62.8	69.6	55	83.3	62.7	69.6	54.9	83.4
4:26:13 AM	58.4	66.9	47.5	79.7	58.3	66.8	47.4	79.5
4:27:13 AM	65.7	71.4	54	85.3	65.6	71.4	53.9	85.2
4:28:13 AM	64.2	70.6	50.8	84.6	64.1	70.6	50.6	84.6
4:29:13 AM	61.2	70.7	50.3	84	61.1	70.6	50.2	83.9
4:30:13 AM	60.9	65.5	50.7	78.1	60.9	65.4	50.5	78.1
4:31:13 AM	66.5	75.1	53.4	88.6	66.5	75.1	53.3	88.5
4:32:13 AM	62.3	69.8	48.1	82.8	62.3	69.7	47.8	82.8
4:33:13 AM	63	70.1	47.8	82.8	63	70	47.5	82.9
4:34:13 AM	66.4	77.4	50.8	92.1	66.3	77.4	50.7	92
4:35:13 AM	61.1	69.3	51.5	82.4	61.1	69.3	51.4	82.4
4:36:13 AM	66.3	75.4	51.8	88.9	66.3	75.4	51.7	88.9
4:37:13 AM	69.9	78.8	59.5	92	69.8	78.7	59.5	91.9
4:38:13 AM	64.2	72	53.4	84.6	64.1	71.9	53.3	84.6
4:39:13 AM	70.5	81.3	56	93.6	70.5	81.3	55.9	93.5
4:40:13 AM	71	79.8	61	92.3	70.9	79.7	60.9	92.3
4:41:13 AM	64.9	71.3	50.3	83.6	64.8	71.2	50.1	83.6
4:42:13 AM	66.5	74.5	55.8	87.9	66.4	74.4	55.8	87.8
4:43:13 AM	68.2	74.3	60.6	88.3	68.2	74.3	60.5	88.2
4:44:13 AM	63.8	69.3	53.5	85.7	63.7	69.2	53.4	85.6
4:45:13 AM	64.6	71.6	51.4	84.4	64.5	71.5	51.3	84.2
4:46:13 AM	65.5	76.1	49.6	90.4	65.4	76.1	49.5	90.3
4:47:13 AM	68.9	76.6	55.9	89.2	68.8	76.6	55.8	89.1
4:48:13 AM	61.2	67.8	53.5	78.3	61.1	67.7	53.4	78.3
4:49:13 AM	67.4	74.7	52.4	87.4	67.4	74.6	52.1	87.3
4:50:13 AM	67.8	77	54.9	91.4	67.8	77	54.8	91.3
4:51:13 AM	66.6	72	54.3	85.3	66.6	71.9	54.1	85.3
4:52:13 AM	68.5	76.1	54.3	90.3	68.5	76.1	54.1	90.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
4:53:13 AM	68.8	79.9	48.6	94.6	68.7	79.8	48.5	94.5
4:54:13 AM	60	69.7	47.7	83.1	59.9	69.7	47.4	83
4:55:13 AM	67.7	77.1	51.7	90.6	67.7	77.1	51.5	90.5
4:56:13 AM	70.9	82.3	53.3	94.8	70.9	82.3	53.2	94.8
4:57:13 AM	71	78.7	55.8	90.7	71	78.7	55.6	90.7
4:58:13 AM	64.8	71.1	50.3	84	64.8	71	50.2	83.9
4:59:13 AM	65.7	74.1	49.7	88	65.7	74.1	49.5	87.9
5:00:13 AM	67.1	75.5	56.6	89.3	67	75.5	56.5	89.3
5:01:13 AM	63.2	70.8	50.1	82.9	63.1	70.8	49.8	82.8
5:02:13 AM	85.7	95.3	58	107.4	85.6	95.2	57.9	107.3
5:03:13 AM	71.5	78.1	57.2	90.7	71.4	78	57.1	90.6
5:04:13 AM	65.6	74.4	50.7	89	65.6	74.3	50.6	89
5:05:13 AM	67.6	75.2	52.1	88.1	67.5	75.1	52	88.1
5:06:13 AM	69.4	78.2	51.7	92.3	69.3	78.2	51.6	92.3
5:07:13 AM	69.3	78.8	49.8	92.1	69.2	78.7	49.7	92
5:08:13 AM	67.3	77.3	48.3	91.2	67.3	77.3	48.1	91.1
5:09:13 AM	67.6	77.6	54.8	90.5	67.5	77.6	54.8	90.4
5:10:13 AM	61.7	69.8	48.6	82.9	61.6	69.7	48.5	82.8
5:11:13 AM	71.5	79.5	49.9	92.9	71.4	79.4	49.8	92.8
5:12:13 AM	68.7	76.7	57.9	89.8	68.6	76.6	57.8	89.7
5:13:13 AM	63.1	71.2	48.1	87.6	63.1	71.1	47.9	87.4
5:14:13 AM	67.9	76.7	53.8	90.2	67.9	76.6	53.7	90.2
5:15:13 AM	70.4	78.7	53.8	92	70.3	78.6	53.7	92
5:16:13 AM	67.9	78.8	53.2	92.8	67.8	78.7	53	92.7
5:17:13 AM	65.1	69.5	54.4	83.2	65	69.4	54.3	83.1
5:18:13 AM	68.9	76.4	58.9	89.1	68.9	76.3	58.8	89
5:19:13 AM	65.2	73	50.7	86.8	65.2	73	50.7	86.7
5:20:13 AM	73.1	84	48.6	97.5	73.1	84	48.5	97.4
5:21:13 AM	69.1	75	59.1	87.6	69.1	74.9	59	87.5
5:22:13 AM	67.2	72.6	55	86.7	67.1	72.5	54.8	86.6
5:23:13 AM	71.9	79	55.8	93.6	71.9	79	55.6	93.6
5:24:13 AM	69.9	76	57.4	88.9	69.9	76	57.4	88.9
5:25:13 AM	65.5	70.5	54.7	82.8	65.4	70.4	54.6	82.7
5:26:13 AM	70.6	79.9	54.8	92.5	70.6	79.8	54.7	92.4
5:27:13 AM	69.2	75.1	53	87.2	69.1	75.1	53	87.1
5:28:13 AM	68.9	80.3	50.5	93.2	68.9	80.3	50.3	93.2
5:29:13 AM	67.2	72.6	54.9	85.5	67.1	72.5	54.8	85.5

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
5:30:13 AM	71.3	76.1	65	91.1	71.2	76.1	65	91
5:31:13 AM	68.7	76.4	56.6	89.4	68.6	76.4	56.5	89.3
5:32:13 AM	68.3	75.1	56.7	89.1	68.2	75	56.6	89
5:33:13 AM	70.1	77.1	60.7	90.6	70.1	77	60.6	90.6
5:34:13 AM	68.7	77.5	56.2	90.7	68.7	77.4	56.1	90.7
5:35:13 AM	65	72.9	48.7	86.1	65	72.9	48.6	86
5:36:13 AM	72.3	77.2	66.7	91.9	72.3	77.1	66.7	91.8
5:37:13 AM	65.6	72.1	54	85	65.6	72	53.9	84.9
5:38:13 AM	67.5	73.9	56.9	87.4	67.4	73.9	56.8	87.3
5:39:13 AM	72.4	77.5	60.7	91.3	72.3	77.4	60.6	91.3
5:40:13 AM	63.9	70.1	51.1	82.2	63.9	70.1	51.1	82.2
5:41:13 AM	69.6	76.6	52.4	88.9	69.5	76.5	52.4	88.9
5:42:13 AM	76.1	86.7	58.3	98.2	76	86.6	58.3	98.1
5:43:13 AM	65.6	69.9	55.6	84.7	65.5	69.8	55.5	84.7
5:44:13 AM	67.3	75.3	51	87.8	67.3	75.3	50.9	87.7
5:45:13 AM	73.9	78.7	67.6	92	73.8	78.7	67.5	91.9
5:46:13 AM	69.1	78.2	53.7	90.9	69.1	78.2	53.6	90.8
5:47:13 AM	68.3	74.2	53.2	87.9	68.2	74.2	53	87.8
5:48:13 AM	72.4	76.2	60.2	89.7	72.3	76.1	60.2	89.6
5:49:13 AM	72	79.1	53.4	92	71.9	79.1	53.3	91.9
5:50:13 AM	76.7	88.4	63.4	101.6	76.6	88.3	63.3	101.6
5:51:13 AM	72.2	76.7	65.3	89.8	72.1	76.6	65.3	89.7
5:52:13 AM	70.7	76.1	53	89.2	70.6	76.1	52.8	89.1
5:53:13 AM	71.3	80.7	59	93.4	71.2	80.7	58.9	93.3
5:54:13 AM	72.6	78.8	62	92.4	72.6	78.7	62	92.4
5:55:13 AM	67.1	72.3	54.7	88.1	67.1	72.3	54.6	88.1
5:56:13 AM	65.6	71.9	53.9	85.1	65.5	71.8	53.8	85.1
5:57:13 AM	70.2	77	59.6	88.9	70.1	76.9	59.5	88.9
5:58:13 AM	60.1	66.5	51.4	79.7	60	66.5	51.4	79.5
5:59:13 AM	63.8	70.8	51.5	82.4	63.7	70.8	51.5	82.4
6:00:13 AM	72.6	79.5	60.3	91.9	72.5	79.5	60.2	91.8
6:01:13 AM	70.8	78.1	57.7	91.4	70.8	78	57.7	91.4
6:02:13 AM	68.3	75.9	54.8	91	68.2	75.9	54.7	90.9
6:03:13 AM	72.8	77.3	63.5	90.4	72.8	77.3	63.4	90.4
6:04:13 AM	63.4	69.5	55.1	82.4	63.4	69.5	55	82.4
6:05:13 AM	73.9	82.8	55.4	94.7	73.9	82.8	55.3	94.6
6:06:13 AM	66.8	73.2	50.7	86.5	66.8	73.1	50.6	86.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
6:07:13 AM	65.6	76.1	50.8	88.2	65.6	76.1	50.7	88.2
6:08:13 AM	68.6	77.3	58.6	91	68.5	77.3	58.5	91
6:09:13 AM	74.5	78.6	69.5	98.5	74.5	78.6	69.4	98.4
6:10:13 AM	72.3	81.1	63.1	94.3	72.2	81	63	94.3
6:11:13 AM	68	73.2	59	87	67.9	73.2	58.9	86.9
6:12:13 AM	71.1	74.9	68.3	88	71	74.8	68.3	88
6:13:13 AM	72.3	77.3	60.1	94.7	72.2	77.2	60	94.7
6:14:13 AM	69.9	77.1	57.4	90	69.8	77	57.3	89.9
6:15:13 AM	71.7	77	64	91.1	71.6	77	63.9	91
6:16:13 AM	70.4	77.6	58.4	91	70.4	77.5	58.3	90.9
6:17:13 AM	68.3	76.9	55.3	89.1	68.2	76.9	55.2	89
6:18:13 AM	74.5	78.5	64.7	92.2	74.5	78.5	64.6	92.1
6:19:13 AM	68.2	76.4	54.4	88.8	68.2	76.3	54.3	88.9
6:20:13 AM	70.2	78.5	54.8	91.7	70.2	78.4	54.7	91.6
6:21:13 AM	74.3	78.5	70.1	91.5	74.3	78.5	70	91.4
6:22:13 AM	67.6	75.2	50.9	95.8	67.5	75.1	50.8	95.8
6:23:13 AM	69.1	76.9	54	89.8	69	76.8	54	89.7
6:24:13 AM	72.3	78.8	57.3	91.1	72.2	78.7	57.2	91.1
6:25:13 AM	69.8	76.8	60.2	89.5	69.7	76.8	60.1	89.4
6:26:13 AM	67.6	73.2	56.9	86.3	67.5	73.2	56.8	86
6:27:13 AM	73.3	78.7	67.1	92.6	73.2	78.7	67.1	92.6
6:28:13 AM	83.7	95.5	62.3	107.3	83.7	95.4	62.2	107.2
6:29:13 AM	73.7	81.8	63.1	94.6	73.7	81.8	63	94.5
6:30:13 AM	73.6	83.2	62.9	96.4	73.5	83.1	62.8	96.3
6:31:13 AM	64.9	76.6	54.9	87.3	64.9	76.6	54.8	87.3
6:32:13 AM	68.9	73.4	62.5	87.2	68.8	73.4	62.4	87.1
6:33:13 AM	73.5	82	67.8	95.9	73.5	81.9	67.7	95.9
6:34:13 AM	73.8	82.8	61	95.2	73.8	82.7	60.9	95.2
6:35:13 AM	65.8	74.4	54	87.9	65.7	74.4	53.9	87.9
6:36:13 AM	69	73.1	64.2	85.9	69	73.1	64.1	86
6:37:13 AM	72.6	81	62.5	93.4	72.5	81	62.4	93.4
6:38:13 AM	68.6	77	56.1	90.3	68.5	77	56	90.3
6:39:13 AM	74.1	80.4	65.5	93.4	74	80.3	65.5	93.3
6:40:13 AM	71.1	78.2	53.4	94.5	71.1	78.2	53.4	94.4
6:41:13 AM	69	76.2	57.7	88.3	68.9	76.2	57.6	88.2
6:42:13 AM	75	81.1	68.9	94.4	75	81	68.8	94.3
6:43:13 AM	70.5	76.3	58.6	90.2	70.5	76.2	58.5	90.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
6:44:13 AM	71.1	76	61.3	88.6	71.1	75.9	61.2	88.5
6:45:13 AM	80.4	92.8	71.3	111.3	80.4	92.7	71.2	111.2
6:46:13 AM	68.9	75.9	58.6	87.9	68.9	75.9	58.5	87.9
6:47:13 AM	70.5	80.5	57.6	94.6	70.5	80.4	57.5	94.5
6:48:13 AM	73.1	79.8	67.5	95.1	73	79.8	67.5	95.1
6:49:13 AM	71.5	79.4	63.9	92.1	71.4	79.4	63.9	92
6:50:13 AM	71.9	77.2	63.6	92.6	71.8	77.1	63.5	92.6
6:51:13 AM	76.1	83.3	67.5	97.7	76	83.2	67.5	97.6
6:52:13 AM	73.9	80.1	67	93.2	73.8	80.1	66.9	93.1
6:53:13 AM	67	73.8	58.4	85.4	67	73.8	58.4	85.3
6:54:13 AM	73.3	79.5	68.1	95.9	73.2	79.4	68.1	95.8
6:55:13 AM	72.1	79.2	59.1	91.7	72	79.1	59	91.6
6:56:13 AM	68.7	74.5	64.5	89	68.6	74.4	64.4	89
6:57:13 AM	72.8	76.3	67.6	89.5	72.7	76.2	67.5	89.4
6:58:13 AM	70.7	80.3	59.1	93.4	70.6	80.3	59	93.4
6:59:13 AM	70.2	76.9	62.5	89.1	70.2	76.8	62.5	89
7:00:13 AM	74.8	84.3	66.4	102.4	74.7	84.2	66.3	102.3
7:01:13 AM	69.4	75.5	56.1	89.1	69.4	75.4	56	89.1
7:02:13 AM	67.8	75.7	57.9	89.5	67.7	75.7	57.9	89.4
7:03:13 AM	74.9	81.5	68.8	94.8	74.8	81.4	68.8	94.8
7:04:13 AM	72.6	80.5	65.4	92.9	72.6	80.5	65.3	92.9
7:05:13 AM	70	77.9	60.4	91.6	70	77.9	60.3	91.6
7:06:13 AM	74.4	80.1	59.7	94.7	74.3	80	59.6	94.6
7:07:13 AM	70	78.3	56.1	92.1	70	78.2	56.1	92.1
7:08:13 AM	70.2	78.5	56.4	90.5	70.1	78.4	56.4	90.5
7:09:13 AM	76.8	85.3	70.1	97.3	76.8	85.2	70	97.2
7:10:13 AM	71.5	81.3	53.8	92.3	71.4	81.2	53.8	92.3
7:11:13 AM	68.1	76.4	54.7	89.4	68	76.3	54.6	89.3
7:12:13 AM	74	78.7	68.7	91.3	74	78.7	68.7	91.2
7:13:13 AM	70	77.8	50.8	91.6	70	77.7	50.7	91.6
7:14:13 AM	70.2	77.9	50.8	91.5	70.1	77.8	50.8	91.5
7:15:13 AM	73.9	80.9	69.4	94.9	73.8	80.9	69.3	94.9
7:16:13 AM	67.5	76.4	56.2	89.6	67.5	76.3	56.1	89.6
7:17:13 AM	71.9	79	60.6	92.9	71.9	79	60.6	92.8
7:18:13 AM	75.1	81.6	67.5	94.6	75	81.6	67.5	94.5
7:19:13 AM	71.2	77.7	58	89.5	71.2	77.6	58	89.5
7:20:13 AM	65.3	72.9	54.6	85.3	65.2	72.8	54.6	85.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7:21:13 AM	74.5	79.4	69.8	92.3	74.4	79.3	69.7	92.3
7:22:13 AM	72.2	77.9	53.2	90.9	72.2	77.8	53	90.9
7:23:13 AM	67.8	71.6	54.1	84.8	67.8	71.5	54	84.8
7:24:13 AM	75.5	81.4	67.1	97.6	75.5	81.4	67.1	97.5
7:25:13 AM	70	75.4	58.3	88.1	70	75.3	58.3	88.1
7:26:13 AM	68.6	75.3	58.4	87.5	68.5	75.2	58.3	87.5
7:27:13 AM	77.4	88.5	68.3	104.8	77.3	88.4	68.3	104.8
7:28:13 AM	72	81.7	57.7	95.2	71.9	81.6	57.6	95.2
7:29:13 AM	69.7	75.2	59.5	87.5	69.7	75.2	59.3	87.4
7:30:13 AM	75.5	82.2	70.5	99	75.4	82.2	70.4	98.9
7:31:13 AM	68.1	76.4	54.6	90.6	68	76.3	54.5	90.5
7:32:13 AM	69	79.1	53.8	92.4	69	79	53.7	92.3
7:33:13 AM	75	79.9	70.5	93.3	74.9	79.8	70.5	93.3
7:34:13 AM	71.2	77.6	62.6	91.6	71.1	77.6	62.5	91.6
7:35:13 AM	69.9	74.2	61.1	86.9	69.8	74.1	61.1	86.9
7:36:13 AM	74.7	82.3	64.5	94.2	74.7	82.2	64.5	94.1
7:37:13 AM	72.3	77.8	59	90.5	72.3	77.8	58.9	90.5
7:38:13 AM	68.9	73.2	59.5	88.1	68.8	73.2	59.3	88.2
7:39:13 AM	74.2	78.6	70.4	93.9	74.1	78.6	70.3	93.9
7:40:13 AM	72.6	79.3	56.7	95.4	72.6	79.3	56.6	95.4
7:41:13 AM	68.4	73.7	59.1	86.1	68.4	73.7	59	86.1
7:42:13 AM	73.6	80.3	66.5	92.8	73.5	80.3	66.5	92.7
7:43:13 AM	69.4	76.2	57.4	92.6	69.3	76.1	57.3	92.6
7:44:13 AM	69	73.7	59.1	87	68.9	73.7	59	87.1
7:45:13 AM	73.7	79.6	67.3	93.1	73.6	79.5	67.3	93.1
7:46:13 AM	72.8	80.3	53	92.9	72.7	80.3	52.9	92.8
7:47:13 AM	72	81.5	52.9	94.9	72	81.4	52.9	94.7
7:48:13 AM	74.8	82.1	64.5	96	74.7	82.1	64.5	95.9
7:49:13 AM	73.6	78.7	56.7	92.4	73.5	78.7	56.7	92.3
7:50:13 AM	72	81.9	56.7	94.8	71.9	81.8	56.7	94.7
7:51:13 AM	74.8	79.9	67.4	92.3	74.8	79.8	67.3	92.2
7:52:13 AM	70.8	75.3	54.7	89.1	70.7	75.2	54.6	89.1
7:53:13 AM	67.6	73.5	54.7	86.9	67.5	73.4	54.6	86.8
7:54:13 AM	76.1	81.4	70.2	96.5	76	81.4	70.1	96.4
7:55:13 AM	68.7	75	50.8	88	68.7	75	50.7	87.9
7:56:13 AM	70.4	77	52.6	90	70.4	76.9	52.6	90
7:57:13 AM	75.1	79.8	65.5	93	75.1	79.7	65.5	93

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7:58:13 AM	72.3	79.3	56	93.4	72.2	79.2	55.9	93.4
7:59:13 AM	67.4	73.1	56.7	86.3	67.4	73.1	56.6	86.2
8:00:13 AM	74	77.8	66.8	92.3	73.9	77.8	66.8	92.2
8:01:13 AM	68.9	76.6	56.9	90.6	68.8	76.5	56.8	90.5
8:02:13 AM	67.1	74.4	56.5	88.1	67	74.3	56.4	88.1
8:03:13 AM	74	79	67.3	92.6	73.9	79	67.2	92.5
8:04:13 AM	70	77.6	50.6	89.7	70	77.6	50.5	89.6
8:05:13 AM	68	74.9	50.6	89.4	67.9	74.8	50.5	89.3
8:06:13 AM	74.9	79.9	60.2	93.1	74.8	79.9	60.1	93.1
8:07:13 AM	77.5	92.2	52.7	105.2	77.4	92.2	52.6	105.2
8:08:13 AM	83.8	94.7	70.2	108.7	83.7	94.7	70.1	108.6
8:09:13 AM	74.4	79.8	69.4	93.4	74.4	79.7	69.4	93.3
8:10:13 AM	74.5	82.1	60	94.8	74.5	82	59.9	94.7
8:11:13 AM	70.9	80.6	56.3	94.5	70.8	80.5	56.2	94.4
8:12:13 AM	73.5	82.1	58.4	95.7	73.5	82	58.3	95.6
8:13:13 AM	69.5	75.4	57	88.6	69.4	75.4	57	88.5
8:14:13 AM	70.8	77.8	55.8	90.9	70.8	77.7	55.6	90.8
8:15:13 AM	71.8	78.3	64	91.1	71.7	78.3	63.9	91.1
8:16:13 AM	66	73.6	52.4	87.3	65.9	73.6	52.2	87.3
8:17:13 AM	68	75.5	51.1	89.7	67.9	75.5	51	89.7
8:18:13 AM	73.5	80.8	62.9	94	73.4	80.7	62.8	94
8:19:13 AM	74.1	81.2	61.8	98.8	74.1	81.1	61.7	98.7
8:20:13 AM	71.4	81.9	53.5	95.3	71.3	81.9	53.5	95.2
8:21:13 AM	74.7	82.1	66.7	94.9	74.7	82	66.6	94.9
8:22:13 AM	69.8	76.7	53.7	89.4	69.8	76.6	53.7	89.3
8:23:13 AM	72.9	81.2	54.5	94.1	72.9	81.1	54.5	94
8:24:13 AM	75.9	81	66.6	94.5	75.8	81	66.5	94.4
8:25:13 AM	69.8	77.6	56.6	91.1	69.7	77.6	56.5	91
8:26:13 AM	70.7	81	56.5	96.5	70.6	80.9	56.4	96.5
8:27:13 AM	74.8	79.3	66.2	92.1	74.8	79.2	66.1	92
8:28:13 AM	84.8	96.1	55.4	111.7	84.8	96	55.3	111.6
8:29:13 AM	68.6	76	59.3	89.3	68.5	76	59.2	89.2
8:30:13 AM	68.6	77.8	60.5	92.9	68.6	77.7	60.4	92.8
8:31:13 AM	70.3	76.5	51.8	89.2	70.2	76.4	51.7	89.1
8:32:13 AM	69.4	73.7	51.8	87.1	69.3	73.7	51.7	87
8:33:13 AM	71.9	77.9	65.6	91.5	71.9	77.9	65.6	91.4
8:34:13 AM	77.1	84.6	60.2	97.9	77	84.6	60.2	97.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
8:35:13 AM	70.2	78.5	59.5	91	70.1	78.5	59.5	91
8:36:13 AM	74.3	78.6	69.2	91.5	74.2	78.6	69.1	91.5
8:37:13 AM	73.8	81.2	55.5	94.2	73.8	81.1	55.4	94.1
8:38:13 AM	71.7	78.1	64.6	92	71.6	78	64.5	91.9
8:39:13 AM	75.1	81.7	62.3	95.7	75.1	81.7	62.2	95.6
8:40:13 AM	69.8	77.4	53.6	89.9	69.7	77.3	53.5	89.8
8:41:13 AM	70.1	76.7	53.6	90.4	70	76.6	53.5	90.3
8:42:13 AM	83.5	92.8	68.6	106	83.5	92.7	68.6	105.9
8:43:13 AM	71.6	77.4	67.1	90.2	71.5	77.3	67	90.1
8:44:13 AM	73.3	77.2	68.1	90.6	73.2	77.1	68	90.5
8:45:13 AM	66.3	72.3	59.7	84.1	66.2	72.2	59.6	84.1
8:46:13 AM	72.3	78.4	62.4	92.6	72.3	78.3	62.3	92.6
8:47:13 AM	68.4	74.4	58.8	86.8	68.4	74.3	58.8	86.8
8:48:13 AM	73.3	80	67	93.5	73.2	80	67	93.4
8:49:13 AM	73.7	81.7	54.4	94.7	73.7	81.6	54.3	94.7
8:50:13 AM	69.1	74.2	53.6	87.5	69.1	74.2	53.5	87.4
8:51:13 AM	73.2	79.7	64.8	92.8	73.2	79.6	64.7	92.8
8:52:13 AM	73.3	84.3	57.3	97	73.2	84.2	57.2	97
8:53:13 AM	72.6	78.2	57.7	93.2	72.5	78.1	57.7	93.1
8:54:13 AM	76.2	85.1	67.4	102.8	76.1	85.1	67.3	102.8
8:55:13 AM	71	77.8	62.1	91.8	70.9	77.8	62	91.8
8:56:13 AM	67.5	73.3	59.8	87.3	67.5	73.3	59.7	87.3
8:57:13 AM	76.5	82.8	68.8	95.9	76.4	82.7	68.8	95.9
8:58:13 AM	71	77.2	59.2	91.1	71	77.2	59.2	91
8:59:13 AM	65.7	72.5	55.9	84.7	65.6	72.5	55.8	84.7
9:00:13 AM	74.2	78.5	67.9	93.5	74.1	78.4	67.8	93.4
9:01:13 AM	72.5	81.7	61.4	103.7	72.5	81.6	61.3	103.7
9:02:13 AM	69.2	76.5	55.2	88.8	69.2	76.4	55.1	88.7
9:03:13 AM	76.5	81.3	70.5	93.5	76.5	81.3	70.4	93.5
9:04:13 AM	72.4	82	52.9	95	72.3	82	52.8	95
9:05:13 AM	73.2	80.9	57.4	93.1	73.1	80.8	57.3	93.1
9:06:13 AM	73.6	82.7	58.4	95.1	73.5	82.7	58.4	95.1
9:07:13 AM	72.5	82.4	52.6	95.2	72.5	82.4	52.5	95.2
9:08:13 AM	73.5	78	66.2	91.3	73.5	77.9	66.1	91.3
9:09:13 AM	70.4	79.1	57.5	93.4	70.4	79	57.4	93.4
9:10:13 AM	72.7	78	61.8	91.6	72.7	78	61.7	91.5
9:11:13 AM	72	79.9	57.3	93.7	71.9	79.8	57.2	93.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:12:13 AM	73	79.5	57.6	92.8	72.9	79.4	57.6	92.8
9:13:13 AM	72.1	79.8	53.5	93.2	72	79.7	53.5	93.2
9:14:13 AM	69.7	77.2	53.2	90	69.6	77.2	53	89.9
9:15:13 AM	72.7	78.7	54.1	92	72.7	78.7	54	91.9
9:16:13 AM	67.3	78.2	54.3	93.6	67.2	78.1	54.1	93.5
9:17:13 AM	74	78.1	58.1	91.3	73.9	78.1	58	91.3
9:18:13 AM	70.4	78.8	53.4	94.9	70.3	78.7	53.3	94.8
9:19:13 AM	70.9	76.8	57.4	89.5	70.9	76.8	57.4	89.5
9:20:13 AM	71.5	78.1	53.6	90.9	71.5	78	53.5	90.8
9:21:13 AM	67.7	73.4	57.8	87.5	67.7	73.3	57.8	87.5
9:22:13 AM	73.9	80.9	62.3	94.5	73.8	80.8	62.2	94.4
9:23:13 AM	62.2	68.8	52	85.3	62.2	68.7	51.9	85.2
9:24:13 AM	74.5	80.1	59.3	92.9	74.4	80	59.2	92.8
9:25:13 AM	76.2	89.3	59.5	100.5	76.2	89.2	59.5	100.5
9:26:13 AM	74.9	85.3	54.3	98.9	74.8	85.3	54.3	98.9
9:27:13 AM	74.6	81.7	60.5	94.4	74.6	81.6	60.4	94.4
9:28:13 AM	67.8	73.5	62.5	89.6	67.7	73.4	62.4	89.5
9:29:13 AM	75.7	83.4	60.7	97.6	75.6	83.3	60.6	97.5
9:30:13 AM	72.5	78.2	57.4	92.5	72.4	78.1	57.3	92.4
9:31:13 AM	73.6	78.8	68.5	92.3	73.5	78.8	68.4	92.2
9:32:13 AM	71	81.7	56.2	100.8	70.9	81.6	56.1	100.7
9:33:13 AM	71.4	78.3	53	92.3	71.3	78.2	52.9	92.2
9:34:13 AM	72.8	77.5	54.7	91.4	72.7	77.4	54.7	91.3
9:35:13 AM	69.7	78	52.9	91.3	69.6	77.9	52.8	91.2
9:36:13 AM	74.9	81.2	64.1	93.4	74.9	81.1	64	93.3
9:37:13 AM	67	74.7	55.5	93.7	67	74.7	55.4	93.7
9:38:13 AM	75.6	82.3	61.4	95.7	75.6	82.2	61.3	95.7
9:39:13 AM	73.7	81.8	54.8	100.3	73.6	81.8	54.8	100.2
9:40:13 AM	69.1	75.1	60.3	88.8	69	75	60.3	88.7
9:41:13 AM	71.9	77.2	59.1	91.5	71.9	77.2	59	91.4
9:42:13 AM	77.9	89.5	55.3	105	77.8	89.4	55.3	104.9
9:43:13 AM	71.7	80.9	57.3	93.9	71.6	80.8	57.2	93.8
9:44:13 AM	59.2	66.7	50.8	83	59.2	66.6	50.7	82.8
9:45:13 AM	76.4	83	57.7	96.7	76.4	82.9	57.6	96.6
9:46:13 AM	72.5	79.7	59.7	92.7	72.5	79.7	59.7	92.6
9:47:13 AM	74.4	79.7	61.2	93	74.3	79.6	61.1	92.9
9:48:13 AM	73.8	78.6	60	93	73.8	78.5	59.9	93

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:49:13 AM	67.9	75.5	58.9	87.9	67.9	75.4	58.8	87.8
9:50:13 AM	75.1	81.7	68.2	98.9	75	81.7	68.2	98.8
9:51:13 AM	69.3	77.8	56.6	90.3	69.2	77.8	56.5	90.3
9:52:13 AM	76.1	84.5	69.5	98.6	76	84.5	69.4	98.5
9:53:13 AM	74.6	85.4	61.1	100.7	74.5	85.4	61	100.6
9:54:13 AM	73.8	81.4	60.9	94.5	73.7	81.3	60.8	94.5
9:55:13 AM	71.5	76.9	58.8	90.5	71.4	76.8	58.7	90.5
9:56:13 AM	67.4	79.9	55.2	93.6	67.3	79.9	55.1	93.6
9:57:13 AM	74.7	80	69.1	92.3	74.6	79.9	69.1	92.3
9:58:13 AM	72.1	77.8	59.5	90.6	72	77.7	59.3	90.5
9:59:13 AM	75.8	82.4	61.3	94.9	75.8	82.3	61.3	94.8
10:00:13 AM	73.2	81.7	57.7	94.8	73.1	81.7	57.6	94.7
10:01:13 AM	73.5	80.9	58.3	93.6	73.4	80.9	58.3	93.6
10:02:13 AM	74.1	79.3	63.7	93	74.1	79.2	63.6	92.9
10:03:13 AM	69.2	75.2	53.8	88	69.1	75.1	53.8	87.9
10:04:13 AM	73.1	78	61.8	91.3	73	78	61.8	91.2
10:05:13 AM	68.7	75.7	54.7	89.9	68.6	75.7	54.7	89.8
10:06:13 AM	73.2	81.9	62.7	94.5	73.2	81.9	62.6	94.5
10:07:13 AM	72.7	81.7	60.2	93.4	72.6	81.7	60.1	93.4
10:08:13 AM	74.7	80.6	57.7	97.3	74.7	80.5	57.7	97.2
10:09:13 AM	73.3	81.9	60.3	95.3	73.2	81.8	60.2	95.3
10:10:13 AM	69.4	76.2	57.8	88.3	69.4	76.2	57.7	88.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Location M4: Session Report #1

Meter No. 40395
Session No. S168
Start: 0928 on 7/21/2021
End: 1628 on 7/21/2021

Information Panel

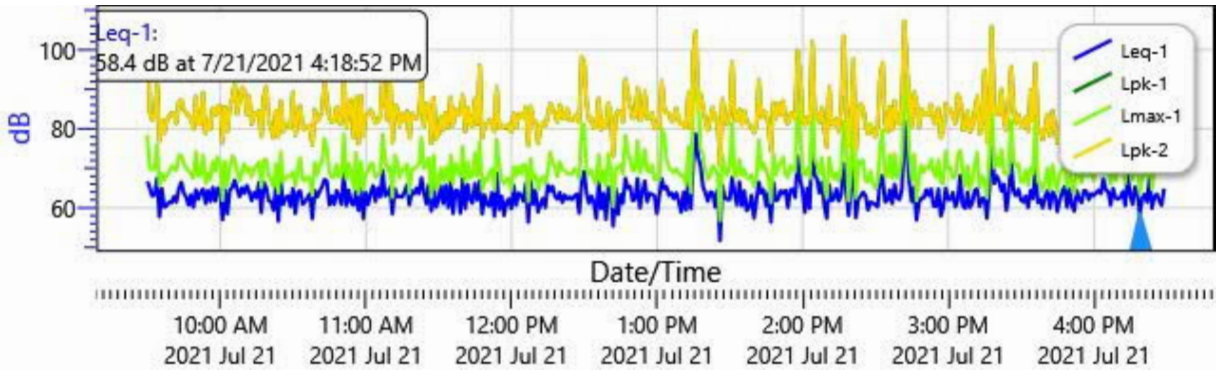
Name	S168_BLR010003_23072021_112949
Start Time	7/21/2021 9:28:52 AM
Stop Time	7/21/2021 4:28:57 PM
Device Name	BLR010003
Model Type	SoundPro DL
Device Firmware Rev	R.13H
Comments	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	65.5 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	SLOW	Bandwidth	1	OFF
Exchange Rate	2	3 dB	Weighting	2	A
Response	2	SLOW			

Logged Data Chart

S168_BLR010003_23072021_112949: Logged Data Chart



Logged Data Table

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7/21/2021	66.7	78.5	53.5	108.6	66.7	78.5	53.5	108.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:29:52 AM								
9:30:52 AM	65.1	70.1	58.2	84.4	65.1	70.1	58.2	84.4
9:31:52 AM	63	69.7	54.1	82.2	63	69.7	54.1	82.2
9:32:52 AM	63.3	70.1	51.8	83.4	63.3	70.1	51.8	83.4
9:33:52 AM	67.5	76	60.4	91.3	67.5	76	60.4	91.3
9:34:52 AM	57.8	65.5	50.3	77	57.8	65.5	50.3	76.9
9:35:52 AM	64.9	68.7	54.4	82.1	64.9	68.7	54.4	82.1
9:36:52 AM	60.2	67	50.2	79	60.2	67	50.2	79
9:37:52 AM	60.6	68.3	50.1	82.2	60.6	68.3	50.1	82.2
9:38:52 AM	61.5	69.1	53.4	83.2	61.5	69.1	53.4	83.2
9:39:52 AM	61.3	70.6	52.5	84	61.3	70.6	52.5	83.9
9:40:52 AM	62.9	70.1	51.3	83.9	62.9	70.1	51.3	83.9
9:41:52 AM	61.5	69.5	49.3	81.4	61.5	69.5	49.3	81.4
9:42:52 AM	64.9	73.4	55.8	86.8	64.9	73.4	55.8	86.8
9:43:52 AM	66.5	73.3	53.9	87.3	66.5	73.3	53.9	87.3
9:44:52 AM	63.8	71.4	58.4	84.9	63.8	71.4	58.4	84.9
9:45:52 AM	62.8	70.1	51.4	84.2	62.8	70.1	51.4	84.2
9:46:52 AM	60.7	69.4	52	83.2	60.7	69.4	52	83.2
9:47:52 AM	63.3	68.6	59.3	82.7	63.3	68.6	59.3	82.7
9:48:52 AM	60.2	67.5	52.9	80	60.2	67.5	52.9	79.9
9:49:52 AM	64.6	74.2	52.7	88.2	64.6	74.2	52.7	88.2
9:50:52 AM	62.2	68.1	51.7	81.4	62.2	68.1	51.7	81.4
9:51:52 AM	64	68.6	55.6	81.3	64	68.6	55.6	81.2
9:52:52 AM	64.8	73.4	57.5	89.1	64.8	73.4	57.5	89.2
9:53:52 AM	61.1	66.2	56.3	78.8	61.1	66.2	56.3	78.7
9:54:52 AM	64.4	68.7	58.2	82	64.4	68.7	58.1	82
9:55:52 AM	61.6	67.2	52.4	80	61.6	67.2	52.4	79.9
9:56:52 AM	65.2	71.9	58.1	85.2	65.2	71.9	58.1	85.2
9:57:52 AM	61.7	69.3	48.7	83.5	61.7	69.3	48.7	83.6
9:58:52 AM	65.1	72.9	57.5	85.5	65.1	72.9	57.5	85.5
9:59:52 AM	63.9	71.3	53.6	85.9	63.9	71.3	53.6	85.9
10:00:52 AM	57	61.9	51.5	76.6	57	61.9	51.5	76.7
10:01:52 AM	64.6	71.7	57.5	85.5	64.6	71.7	57.5	85.4
10:02:52 AM	58.5	65.7	52.6	79.5	58.5	65.7	52.6	79.5
10:03:52 AM	64.5	69.9	55.1	85.4	64.5	69.9	55.2	85.4
10:04:52 AM	65.2	73.2	56.8	87.6	65.2	73.2	56.7	87.6
10:05:52 AM	67	72.2	57.6	91.5	67	72.2	57.6	91.5

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
10:06:52 AM	64.8	69.2	59.7	83.8	64.8	69.2	59.7	83.8
10:07:52 AM	62.8	66.8	59.9	87.5	62.8	66.8	59.9	87.5
10:08:52 AM	65.1	69.1	61	90.5	65.1	69.1	61	90.5
10:09:52 AM	63.7	71.2	60	89.9	63.7	71.2	60	89.9
10:10:52 AM	65.7	69.2	60.4	83.6	65.7	69.2	60.4	83.6
10:11:52 AM	64.1	70.1	50.6	88.2	64.1	70.1	50.6	88.2
10:12:52 AM	61.8	67.8	51.7	81.2	61.8	67.8	51.7	81.3
10:13:52 AM	63.9	70.1	52.2	83.7	63.9	70.1	52.2	83.7
10:14:52 AM	62.6	70.5	52.3	83.9	62.6	70.5	52.2	83.9
10:15:52 AM	66.4	71.7	60	84.5	66.4	71.7	60	84.5
10:16:52 AM	58.8	65.2	49.9	78.1	58.8	65.2	49.9	78.1
10:17:52 AM	66.5	72.1	55.3	88.1	66.5	72.1	55.3	88.1
10:18:52 AM	65.1	72.3	54.1	90.6	65.1	72.3	54.1	90.6
10:19:52 AM	61.8	67.9	53.5	82.2	61.8	67.9	53.5	82.2
10:20:52 AM	61.6	67.2	51.4	80.1	61.6	67.2	51.4	80.1
10:21:52 AM	59.4	65.2	50.3	77.7	59.4	65.2	50.3	77.7
10:22:52 AM	65.4	71.1	56.2	84.6	65.4	71.1	56.2	84.6
10:23:52 AM	56.7	63.7	51.8	78.1	56.7	63.7	51.7	78.1
10:24:52 AM	66.6	74.2	56.9	87.1	66.6	74.2	56.9	87.1
10:25:52 AM	60.9	66.5	51.9	79.3	60.9	66.5	51.9	79.3
10:26:52 AM	62.5	67.8	51.5	80.8	62.5	67.8	51.5	80.9
10:27:52 AM	63.1	68.1	51.5	81.1	63.1	68.1	51.5	81.2
10:28:52 AM	60.4	68	50.9	80.5	60.4	68	50.9	80.5
10:29:52 AM	64.9	69.1	60.5	89.2	64.9	69.1	60.5	89.2
10:30:52 AM	58.6	65.5	46.9	78.4	58.6	65.5	46.9	78.4
10:31:52 AM	64	69.6	56.3	83.3	64	69.6	56.3	83.3
10:32:52 AM	64.3	72.8	55.7	85.8	64.3	72.8	55.7	85.7
10:33:52 AM	60.9	67.3	49.8	80.1	60.9	67.3	49.8	80.1
10:34:52 AM	61.5	66.9	54.5	80	61.5	66.9	54.5	80.1
10:35:52 AM	62.6	67.9	57.9	80.8	62.6	67.9	57.9	80.9
10:36:52 AM	63.6	67.3	57.4	80.7	63.6	67.3	57.4	80.7
10:37:52 AM	57.3	63.2	49.9	75.9	57.3	63.2	49.9	75.9
10:38:52 AM	64.4	71.5	55.6	84.9	64.4	71.5	55.6	84.9
10:39:52 AM	62.7	68.3	54.5	81.9	62.7	68.3	54.5	81.9
10:40:52 AM	64.2	70.9	54	82.9	64.2	70.9	54	82.9
10:41:52 AM	65.3	71.6	54.8	84.5	65.3	71.6	54.8	84.5
10:42:52 AM	67.2	77.6	55.8	92.1	67.2	77.6	55.8	92.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
10:43:52 AM	66.8	75.4	60.6	87.6	66.8	75.4	60.6	87.5
10:44:52 AM	60.8	69	55.4	82.8	60.8	69	55.4	82.8
10:45:52 AM	63	67.7	56.2	81.7	63	67.7	56.2	81.8
10:46:52 AM	60.9	67.8	49	82.1	60.9	67.8	49	82.1
10:47:52 AM	64.4	71	50.8	85.5	64.4	71	50.8	85.5
10:48:52 AM	63	67.8	51.1	81.5	63	67.8	51.1	81.6
10:49:52 AM	60.9	68	50.9	81.4	60.9	68	50.9	81.4
10:50:52 AM	68.7	78.8	62.4	93.9	68.7	78.8	62.3	93.9
10:51:52 AM	60.6	67.3	50.5	80.4	60.6	67.3	50.4	80.4
10:52:52 AM	64.5	71.1	59.4	84.6	64.5	71.1	59.4	84.6
10:53:52 AM	61.3	68.7	53.4	87.3	61.3	68.7	53.4	87.3
10:54:52 AM	60.7	64.9	49.4	77.7	60.7	64.9	49.4	77.8
10:55:52 AM	64.2	74	56.9	88.1	64.2	74	56.9	88.1
10:56:52 AM	59.4	63.5	53.3	76.3	59.4	63.5	53.3	76.4
10:57:52 AM	65.2	71.7	60.8	88.5	65.2	71.7	60.8	88.4
10:58:52 AM	57.3	64.7	48.9	78.2	57.3	64.7	48.9	78.1
10:59:52 AM	63.9	68.8	56	83.2	63.9	68.8	56	83.2
11:00:52 AM	60.9	69.3	50.5	83.5	60.9	69.3	50.5	83.4
11:01:52 AM	63.5	71.2	50.9	84.8	63.5	71.2	50.9	84.8
11:02:52 AM	65.6	71.3	55.6	83.6	65.6	71.3	55.6	83.6
11:03:52 AM	61.6	67.6	53.6	81.5	61.6	67.6	53.6	81.5
11:04:52 AM	65.1	68.5	59.2	81.9	65.1	68.5	59.2	81.8
11:05:52 AM	62.8	68.8	54.8	83.1	62.8	68.8	54.8	83
11:06:52 AM	69.4	78.7	62.4	94	69.4	78.7	62.4	94
11:07:52 AM	63	72.5	54.7	86.6	63	72.5	54.7	86.6
11:08:52 AM	63.7	69.5	52.8	82.3	63.7	69.5	52.8	82.3
11:09:52 AM	65.2	70.4	57.9	93.7	65.2	70.4	57.9	93.7
11:10:52 AM	58.5	62.7	54.4	76.6	58.5	62.7	54.4	76.5
11:11:52 AM	64.9	73.3	57.5	86.1	64.9	73.3	57.5	86
11:12:52 AM	62.8	71.7	52.3	85.3	62.8	71.7	52.3	85.3
11:13:52 AM	63	67.7	56.7	80.8	63	67.7	56.7	80.8
11:14:52 AM	62.7	69.7	54.6	83.8	62.7	69.7	54.6	83.8
11:15:52 AM	64	69.8	60.2	82.1	64	69.8	60.2	82.1
11:16:52 AM	65.8	71.1	61.4	84.5	65.8	71.1	61.4	84.4
11:17:52 AM	60.8	63.7	55.3	77.7	60.8	63.7	55.3	77.7
11:18:52 AM	64.3	70	60.1	84	64.3	70	60.1	84
11:19:52 AM	63.5	69.7	57.4	83	63.5	69.7	57.4	83

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
11:20:52 AM	65.1	70.5	58.9	82.7	65.1	70.5	58.9	82.7
11:21:52 AM	63.6	71.3	51.9	83.7	63.6	71.3	51.9	83.7
11:22:52 AM	67.6	77.8	57.1	92.2	67.6	77.8	57.1	92.1
11:23:52 AM	64	69.9	54	80.6	64	69.9	54	80.6
11:24:52 AM	61	71	54	86.5	61	71	54	86.5
11:25:52 AM	65.8	72.6	59	85.9	65.8	72.6	59	85.9
11:26:52 AM	59.2	62.7	54.4	76.3	59.2	62.7	54.4	76.4
11:27:52 AM	65.7	73.3	59	87.9	65.7	73.3	59	87.9
11:28:52 AM	60.2	64.7	53.4	77.5	60.2	64.7	53.3	77.5
11:29:52 AM	62	65.5	56.3	78.6	62	65.5	56.3	78.6
11:30:52 AM	65.6	70.1	57.7	83.2	65.6	70.1	57.7	83.2
11:31:52 AM	61.1	66.8	55	79.6	61.1	66.8	55	79.7
11:32:52 AM	65.7	70.2	60.6	84.1	65.7	70.2	60.6	84
11:33:52 AM	60.1	66.8	53.5	80.4	60.1	66.8	53.5	80.5
11:34:52 AM	66.6	73.3	53.9	88.1	66.6	73.3	53.9	88.1
11:35:52 AM	58.6	66	51.2	80.9	58.6	66	51.2	80.9
11:36:52 AM	64.5	71.2	55.7	84.9	64.5	71.2	55.7	84.9
11:37:52 AM	64.3	69.7	55.1	83.5	64.3	69.7	55.1	83.5
11:38:52 AM	58.7	68.1	51.9	84.1	58.7	68.1	51.9	84
11:39:52 AM	67.4	75.6	58.8	88.6	67.4	75.6	58.8	88.5
11:40:52 AM	59.8	66.4	54.3	79.3	59.8	66.4	54.3	79.4
11:41:52 AM	65.9	71.5	56.6	85.3	65.9	71.5	56.6	85.3
11:42:52 AM	62.2	67.6	51.2	81.4	62.2	67.6	51.2	81.5
11:43:52 AM	61.2	68.1	55.1	80.8	61.2	68.1	55.1	80.8
11:44:52 AM	66.2	73.9	55.1	87.7	66.2	73.9	55.1	87.8
11:45:52 AM	62	68.2	52.1	81.1	62	68.2	52.1	81.2
11:46:52 AM	66.9	76.8	58	96.1	66.9	76.8	58	96.1
11:47:52 AM	58.5	64.2	50.5	77.7	58.5	64.2	50.5	77.8
11:48:52 AM	63.3	67.6	51.3	81	63.3	67.6	51.3	81
11:49:52 AM	60.9	66.9	51.9	80.9	60.9	66.9	51.9	80.9
11:50:52 AM	60.5	69	51.2	82.3	60.5	69	51.2	82.2
11:51:52 AM	63.9	69.8	52.8	82.1	63.9	69.8	52.8	82.1
11:52:52 AM	57.9	64.4	51.6	79.3	57.9	64.4	51.6	79.2
11:53:52 AM	68.8	77.4	58	90.6	68.8	77.4	58	90.6
11:54:52 AM	59.6	71	47.8	80.1	59.6	71	47.8	80.1
11:55:52 AM	63	67.4	54.6	80.9	63	67.4	54.6	80.9
11:56:52 AM	58.1	66	52.7	80.6	58.1	66	52.7	80.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
11:57:52 AM	61.5	67.3	51.8	80.2	61.5	67.3	51.8	80.3
11:58:52 AM	62.3	67.5	53.5	81.1	62.3	67.5	53.5	81
11:59:52 AM	59.8	64.4	54.4	79.3	59.8	64.4	54.4	79.3
12:00:52 PM	65.6	70.3	61.2	83.9	65.6	70.3	61.2	83.9
12:01:52 PM	60.7	68.2	55.4	80.3	60.7	68.2	55.4	80.3
12:02:52 PM	63.8	70.5	57.2	83.8	63.8	70.5	57.2	83.7
12:03:52 PM	63.2	68.6	56.7	82.9	63.2	68.6	56.7	82.9
12:04:52 PM	61.7	71	50.9	83.4	61.7	71	50.9	83.5
12:05:52 PM	66.2	70.9	49.4	85.5	66.2	70.9	49.4	85.5
12:06:52 PM	56.4	61.6	49.3	75.8	56.4	61.6	49.3	75.6
12:07:52 PM	66.7	72.4	58.3	85.7	66.7	72.4	58.2	85.7
12:08:52 PM	61	67.5	51.9	82.1	61	67.5	51.9	82.1
12:09:52 PM	64.4	68.3	51.8	81.9	64.4	68.3	51.8	81.9
12:10:52 PM	59	64.5	54.8	76.4	59	64.5	54.8	76.4
12:11:52 PM	60.8	67.1	53.3	80.4	60.8	67.1	53.3	80.4
12:12:52 PM	62.4	68	55.7	81.5	62.4	68	55.7	81.6
12:13:52 PM	60.1	66	51.3	80.7	60.1	66	51.3	80.6
12:14:52 PM	65.8	68.8	59.5	83.3	65.8	68.8	59.5	83.3
12:15:52 PM	64.2	74.1	53.4	86.4	64.2	74.1	53.4	86.4
12:16:52 PM	65.5	71.5	58.5	85	65.5	71.5	58.5	85
12:17:52 PM	62.9	70.4	50.9	83.7	62.9	70.4	50.9	83.7
12:18:52 PM	62.2	67.9	53.4	81.8	62.2	67.9	53.4	81.8
12:19:52 PM	63.9	71.7	52.7	86.1	63.9	71.7	52.7	86.1
12:20:52 PM	61.4	69.8	53.1	82.7	61.4	69.8	53.1	82.7
12:21:52 PM	63.3	69.5	57	82.6	63.3	69.5	57	82.6
12:22:52 PM	62.2	68.7	52.5	85.2	62.2	68.7	52.5	85.1
12:23:52 PM	62.8	68.6	54.1	82.2	62.8	68.6	54.1	82.2
12:24:52 PM	62.1	68.5	54.2	82.3	62.1	68.5	54.2	82.2
12:25:52 PM	63	70	51.1	82.4	63	70	51.1	82.4
12:26:52 PM	63.5	69.2	52.6	83.7	63.5	69.1	52.6	83.7
12:27:52 PM	58.7	67.3	51.2	81.7	58.7	67.3	51.2	81.6
12:28:52 PM	66.7	80.9	54.8	98.2	66.7	80.9	54.7	98.2
12:29:52 PM	69.2	81.2	55.2	96.8	69.2	81.2	55.2	96.8
12:30:52 PM	63.7	69.8	58.8	86.6	63.7	69.8	58.8	86.6
12:31:52 PM	61.2	68.4	52.1	82.3	61.2	68.4	52.1	82.3
12:32:52 PM	63	69.6	53.5	82.7	63	69.6	53.5	82.7
12:33:52 PM	61.6	67.3	46.7	80.2	61.6	67.3	46.7	80.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
12:34:52 PM	57.3	66	47.7	80.4	57.3	66	47.6	80.4
12:35:52 PM	66.8	73.5	55.6	87.7	66.8	73.5	55.6	87.7
12:36:52 PM	59.8	66.7	49.3	79.8	59.8	66.7	49.3	79.8
12:37:52 PM	63.7	69.3	52.9	81.8	63.7	69.3	52.9	81.9
12:38:52 PM	57.1	65.4	48.2	80.6	57.1	65.4	48.2	80.5
12:39:52 PM	65.3	73.7	51.4	86.4	65.3	73.7	51.4	86.4
12:40:52 PM	64.6	70	50.1	83.8	64.6	70	50.1	83.8
12:41:52 PM	55.4	60.3	48.2	73.2	55.4	60.3	48.2	73.2
12:42:52 PM	64.8	69.7	54.6	83.2	64.8	69.7	54.6	83.2
12:43:52 PM	58.4	70.3	48.4	84.4	58.4	70.3	48.4	84.4
12:44:52 PM	63.4	71	54.6	84.5	63.4	71	54.6	84.5
12:45:52 PM	61.2	68.6	49.6	81.8	61.2	68.6	49.6	81.7
12:46:52 PM	67.5	78.4	49.8	92.6	67.5	78.4	49.8	92.6
12:47:52 PM	65	74.1	48.3	88.8	65	74.1	48.3	88.8
12:48:52 PM	65.4	72.4	48.6	85.9	65.4	72.4	48.6	85.9
12:49:52 PM	61.8	69.3	54	82.8	61.8	69.3	54	82.8
12:50:52 PM	62.2	69.9	55.4	83	62.2	69.9	55.4	83.1
12:51:52 PM	67.4	77	54.7	90.4	67.4	77	54.7	90.4
12:52:52 PM	60	68.9	51.7	82.1	60	68.9	51.7	82.1
12:53:52 PM	63.9	70.9	55.1	83.5	63.9	70.9	55.1	83.5
12:54:52 PM	66.8	74.8	50.8	89.5	66.8	74.8	50.8	89.5
12:55:52 PM	61.6	69.6	51.2	82.7	61.6	69.6	51.1	82.8
12:56:52 PM	63.7	69.1	58.3	82.9	63.7	69.1	58.3	82.9
12:57:52 PM	63.4	70.9	54.5	84.1	63.4	70.9	54.5	84.1
12:58:52 PM	63.1	67.1	56.7	80.1	63.1	67.1	56.7	80.1
12:59:52 PM	58.6	67.8	52.3	81.6	58.6	67.8	52.3	81.6
1:00:52 PM	63	67	58.6	80.4	63	67	58.6	80.4
1:01:52 PM	67.4	80.1	56.2	92	67.4	80.1	56.2	92.1
1:02:52 PM	64.8	78.3	56	85.2	64.8	78.3	56	85.2
1:03:52 PM	65.4	72.3	58.1	84	65.4	72.3	58.1	84
1:04:52 PM	63.1	70	57.8	83.9	63.1	70	57.8	83.9
1:05:52 PM	63.8	69.5	54.1	81.9	63.8	69.5	54.1	81.9
1:06:52 PM	62.3	69.1	52.6	82.6	62.3	69.1	52.6	82.7
1:07:52 PM	63.8	69.9	53.1	85.3	63.8	69.9	53.1	85.3
1:08:52 PM	61.7	68.8	54.1	81.8	61.7	68.8	54	81.8
1:09:52 PM	58.9	68	52.6	81.1	58.9	68	52.6	81
1:10:52 PM	64	68.4	54.2	81.4	64	68.4	54.2	81.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
1:11:52 PM	59.5	65.8	53.2	80.2	59.5	65.8	53.2	80.1
1:12:52 PM	67.6	75.5	54.2	89.1	67.6	75.5	54.2	89.1
1:13:52 PM	59.8	63.9	51.7	80.2	59.8	63.9	51.6	80.2
1:14:52 PM	72.2	86.4	51.3	98.7	72.2	86.4	51.3	98.7
1:15:52 PM	78.7	91.2	60.1	104.7	78.7	91.2	60.1	104.7
1:16:52 PM	72.8	88.8	65.6	85	72.8	88.8	65.6	84.9
1:17:52 PM	70.6	75.1	66.1	88.7	70.6	75.1	66.1	88.7
1:18:52 PM	65.4	73.2	53.5	85.4	65.4	73.2	53.5	85.4
1:19:52 PM	63.8	69.4	54	82	63.8	69.4	53.9	82.1
1:20:52 PM	61.7	67.2	56	79.7	61.7	67.2	56	79.6
1:21:52 PM	64	68.4	54	82.4	64	68.4	54	82.4
1:22:52 PM	63.9	70.6	55.3	85.4	63.9	70.6	55.3	85.4
1:23:52 PM	60.3	70	51.4	82.4	60.3	70	51.4	82.4
1:24:52 PM	64.5	68.5	51	82.6	64.5	68.5	51	82.6
1:25:52 PM	51.7	56.8	47.6	70.8	51.7	56.9	47.6	71
1:26:52 PM	65.6	73.3	55.1	87.6	65.6	73.3	55.1	87.6
1:27:52 PM	62.7	69.8	53	82.7	62.7	69.8	53	82.7
1:28:52 PM	62.1	68.2	50.1	81.1	62.1	68.2	50.1	81.2
1:29:52 PM	62.1	70.7	50.4	83.6	62.1	70.7	50.4	83.6
1:30:52 PM	67.7	81.5	50.6	96.9	67.7	81.5	50.6	96.9
1:31:52 PM	63.7	67.8	53	82.4	63.7	67.8	53	82.5
1:32:52 PM	60.7	68.4	51.7	82.1	60.7	68.4	51.7	82.1
1:33:52 PM	66.6	72.2	54.9	85	66.6	72.2	54.9	85
1:34:52 PM	60.6	68.2	50.9	81	60.6	68.2	50.9	81
1:35:52 PM	64.3	69.7	49.8	84.6	64.3	69.7	49.8	84.6
1:36:52 PM	59.3	67.6	48.8	82	59.3	67.6	48.8	82
1:37:52 PM	60.1	67.4	51.2	81	60.1	67.4	51.2	80.9
1:38:52 PM	63.2	68.4	52.8	80.5	63.2	68.4	52.8	80.6
1:39:52 PM	57.4	65.4	51.4	79	57.4	65.4	51.4	79
1:40:52 PM	61.8	67.6	54.1	80.5	61.8	67.6	54.1	80.5
1:41:52 PM	66.5	77.2	54.5	92.4	66.5	77.2	54.5	92.4
1:42:52 PM	63.7	69.9	52.2	82.9	63.7	69.9	52.2	82.9
1:43:52 PM	64.6	71.4	51.8	84.4	64.6	71.4	51.7	84.4
1:44:52 PM	60.5	69.7	51.4	84.1	60.5	69.7	51.4	84.1
1:45:52 PM	63.8	67.5	59.1	80.7	63.8	67.5	59.1	80.6
1:46:52 PM	56.4	61.4	51	74.4	56.4	61.4	51	74.3
1:47:52 PM	66.4	73.7	51.9	86.6	66.4	73.7	51.9	86.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
1:48:52 PM	61.8	68.3	48.6	82.6	61.8	68.3	48.6	82.6
1:49:52 PM	62.2	70.6	50.1	86.5	62.2	70.6	50.1	86.5
1:50:52 PM	64.4	71.3	48	83.8	64.4	71.3	48	83.8
1:51:52 PM	63.6	72.9	48.6	87.1	63.6	72.9	48.7	87.1
1:52:52 PM	64.5	68.5	59.3	82	64.5	68.5	59.3	82
1:53:52 PM	60.1	67.7	50.3	81.3	60.1	67.7	50.3	81.3
1:54:52 PM	64.6	70.6	52.9	83.9	64.6	70.6	52.9	84
1:55:52 PM	64.7	69.9	56.9	83.9	64.7	69.9	56.9	83.9
1:56:52 PM	62.6	69.2	55.2	82.4	62.6	69.2	55.2	82.4
1:57:52 PM	73	86.6	52.4	99.7	73	86.6	52.4	99.7
1:58:52 PM	67.1	79.1	54.6	93.4	67.1	79.1	54.6	93.4
1:59:52 PM	64.5	69.2	58.1	82.2	64.5	69.2	58.1	82.2
2:00:52 PM	58.9	68.4	50.8	81	58.9	68.4	50.8	80.9
2:01:52 PM	65	70.1	55.7	83.1	65	70.1	55.7	83.1
2:02:52 PM	59.9	67.4	50.8	81.7	59.9	67.4	50.8	81.7
2:03:52 PM	79.4	90.2	58.2	102.1	79.4	90.2	58.2	102.1
2:04:52 PM	68.4	72.3	63.4	85.1	68.4	72.3	63.4	85
2:05:52 PM	67.3	70.8	63.6	83.5	67.3	70.7	63.6	83.5
2:06:52 PM	63.8	68.7	59.9	81.6	63.8	68.7	59.9	81.7
2:07:52 PM	66.5	72.7	59.2	85.3	66.5	72.7	59.2	85.2
2:08:52 PM	60.6	66	55.5	79.7	60.6	66	55.5	79.7
2:09:52 PM	57.4	62.5	52.5	75.3	57.4	62.5	52.5	75.3
2:10:52 PM	65.8	72.8	53.1	90.6	65.8	72.8	53.1	90.6
2:11:52 PM	61.8	69	56.9	81.3	61.8	69	56.9	81.4
2:12:52 PM	62.4	67.3	56.7	81	62.4	67.3	56.7	81
2:13:52 PM	64.8	68.9	57.4	82.5	64.8	68.9	57.4	82.4
2:14:52 PM	61.7	66.7	57.2	79.4	61.7	66.7	57.2	79.5
2:15:52 PM	63.5	70.3	57.4	84.8	63.5	70.3	57.4	84.8
2:16:52 PM	71.2	81.8	58.8	103.5	71.2	81.8	58.8	103.5
2:17:52 PM	64.8	76.8	54.7	85.7	64.8	76.8	54.7	85.7
2:18:52 PM	58.1	61.8	53.7	75.9	58.1	61.8	53.7	75.9
2:19:52 PM	65.1	70.2	55.4	83.8	65.1	70.2	55.4	83.8
2:20:52 PM	71.8	83.4	57.3	97.7	71.8	83.4	57.3	97.7
2:21:52 PM	57.5	62.5	49.1	74.4	57.5	62.5	49.1	74.3
2:22:52 PM	62.2	72	52.9	85.1	62.2	72	52.9	85.1
2:23:52 PM	63	70.9	55.6	86.3	63	70.9	55.6	86.3
2:24:52 PM	64	72.1	55.6	85.1	64	72.1	55.6	85.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
2:25:52 PM	63.1	66.9	55.8	81.2	63.1	66.9	55.8	81.2
2:26:52 PM	59.5	66.6	52	78.8	59.5	66.6	52	78.8
2:27:52 PM	61.5	69.4	52.7	81.2	61.5	69.4	52.7	81.2
2:28:52 PM	61.2	66.3	53.3	79.5	61.2	66.3	53.3	79.5
2:29:52 PM	60.9	64.9	56.4	78.1	60.9	64.9	56.4	78
2:30:52 PM	60.3	66.6	51.7	80.5	60.3	66.6	51.7	80.6
2:31:52 PM	67.2	75.7	48.2	92.6	67.2	75.7	48.1	92.6
2:32:52 PM	68.2	79.6	54.3	96.7	68.2	79.6	54.3	96.7
2:33:52 PM	61.5	68	53.2	81.8	61.5	68	53.2	81.8
2:34:52 PM	61.9	67.8	57.8	79.2	61.9	67.8	57.8	79.2
2:35:52 PM	64.6	73.3	57.5	85.5	64.6	73.3	57.5	85.5
2:36:52 PM	61.1	67.5	51.8	79.8	61.1	67.5	51.8	79.7
2:37:52 PM	66	73.8	57.1	87.1	66	73.8	57.1	87.1
2:38:52 PM	62.6	67.5	56.9	82	62.6	67.5	56.9	82
2:39:52 PM	62.1	68.6	50.3	81.3	62.1	68.6	50.3	81.3
2:40:52 PM	64.8	73.4	51.3	86	64.8	73.4	51.3	86
2:41:52 PM	81.9	92.5	52.8	107.3	81.9	92.5	52.8	107.3
2:42:52 PM	74.5	88.1	67	95	74.5	88.1	67	95
2:43:52 PM	66.7	74	58.8	88	66.7	74	58.8	88
2:44:52 PM	61.6	67.2	54.5	80.6	61.6	67.2	54.5	80.6
2:45:52 PM	65.2	73.6	56	89.4	65.1	73.6	56	89.4
2:46:52 PM	56.9	61.8	51.2	86.7	56.9	61.8	51.2	86.7
2:47:52 PM	61.3	67.5	52.7	80.5	61.3	67.5	52.7	80.5
2:48:52 PM	62.6	70.8	55.1	84.9	62.6	70.8	55.1	84.9
2:49:52 PM	62.5	69	55.5	83.7	62.5	69	55.5	83.7
2:50:52 PM	64.6	70.4	55.4	83.5	64.6	70.4	55.4	83.5
2:51:52 PM	63.1	70	49.7	83.8	63.1	70	49.7	83.8
2:52:52 PM	64.8	72.3	55	86.2	64.8	72.3	55	86.2
2:53:52 PM	60.5	69.2	52.8	81.8	60.5	69.2	52.8	81.8
2:54:52 PM	60.4	67.8	54.1	81.4	60.4	67.8	54.1	81.4
2:55:52 PM	64.8	72.2	53.8	85.2	64.8	72.2	53.8	85.2
2:56:52 PM	57.9	66.4	49.3	77.7	57.9	66.4	49.3	77.7
2:57:52 PM	60.1	66.1	53.7	80.3	60.1	66.1	53.7	80.3
2:58:52 PM	65	74.4	56.9	86.4	65	74.4	56.9	86.4
2:59:52 PM	62.1	70.1	51	85	62.1	70.1	51	85
3:00:52 PM	62.1	70.2	52.9	85	62.1	70.2	52.9	85
3:01:52 PM	63.9	67.5	55.5	83.1	63.9	67.5	55.5	83.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:02:52 PM	60.3	67.8	49.9	81.4	60.3	67.8	49.9	81.4
3:03:52 PM	62	73.3	50.4	88.7	62	73.3	50.4	88.8
3:04:52 PM	68.2	74.6	53.6	87.5	68.2	74.5	53.6	87.6
3:05:52 PM	60.7	69.1	50.7	79.7	60.7	69	50.7	79.7
3:06:52 PM	59.9	65.5	51.7	80.1	59.9	65.5	51.7	80.1
3:07:52 PM	64	70.6	52.9	84.5	64	70.6	52.9	84.5
3:08:52 PM	60.1	64.8	55.4	79.3	60.1	64.8	55.4	79.4
3:09:52 PM	61.3	66.9	55.3	80.7	61.3	66.9	55.3	80.6
3:10:52 PM	64.5	71	59.1	84.4	64.5	71	59.1	84.4
3:11:52 PM	64.8	74	50.6	88.2	64.8	74	50.6	88.2
3:12:52 PM	60.4	65.2	50.4	78.8	60.4	65.2	50.4	78.8
3:13:52 PM	62.3	68	53.6	81.5	62.3	68	53.6	81.4
3:14:52 PM	62.5	67.1	56.3	94.8	62.5	67.1	56.3	94.8
3:15:52 PM	57.4	62.5	51.1	77	57.4	62.5	51.1	77
3:16:52 PM	64.7	73.7	57.7	85.3	64.7	73.7	57.7	85.3
3:17:52 PM	80	92	59.7	105.9	80	92	59.7	105.9
3:18:52 PM	66.2	70.1	63	83.8	66.2	70.1	63	83.8
3:19:52 PM	68.1	72.9	64.2	85.7	68.1	72.9	64.2	85.7
3:20:52 PM	66.7	70.6	58.5	83.6	66.7	70.6	58.5	83.5
3:21:52 PM	64.3	74.8	56.6	90	64.3	74.8	56.6	90
3:22:52 PM	66	68.9	62.5	82.1	66	68.9	62.5	82.1
3:23:52 PM	59.4	68.4	52.9	79.6	59.4	68.4	53	79.6
3:24:52 PM	63.8	68.8	56.3	85.8	63.8	68.8	56.3	85.9
3:25:52 PM	71.9	82.3	60.8	95.8	71.9	82.3	60.8	95.8
3:26:52 PM	64.2	71.6	57	85.2	64.2	71.6	57.1	85.3
3:27:52 PM	63.1	70.6	53.4	81.4	63.1	70.6	53.4	81.5
3:28:52 PM	64.7	71.1	51.4	83.5	64.7	71.1	51.4	83.5
3:29:52 PM	62	66.5	57.9	81	62	66.5	57.9	80.9
3:30:52 PM	61.5	66.6	56.4	80.5	61.5	66.6	56.4	80.5
3:31:52 PM	63	69.5	53.6	82.9	63	69.5	53.6	82.9
3:32:52 PM	60.1	65.6	52.6	79.4	60.1	65.6	52.6	79.3
3:33:52 PM	64.4	70.1	56.8	89.7	64.4	70.1	56.8	89.7
3:34:52 PM	62.4	68.7	56.9	82	62.4	68.7	56.9	82
3:35:52 PM	69.7	82.3	58.6	96.5	69.7	82.3	58.6	96.5
3:36:52 PM	61.3	66.5	53	79.5	61.3	66.5	53	79.5
3:37:52 PM	62.2	66.4	55.3	79.8	62.2	66.4	55.3	79.8
3:38:52 PM	60	64.3	53.5	77.2	60	64.3	53.5	77.3

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:39:52 PM	63	67	57.9	80	63	67	57.9	80
3:40:52 PM	64.3	70.1	57.4	83.6	64.3	70.1	57.4	83.6
3:41:52 PM	59.9	64.4	57.3	78.2	59.9	64.4	57.3	78.3
3:42:52 PM	64.1	70.9	54.8	84.6	64.1	70.9	54.8	84.5
3:43:52 PM	63.2	66.8	53.7	80.7	63.2	66.8	53.7	80.7
3:44:52 PM	59.1	64.1	50.2	76.4	59.1	64.1	50.2	76.5
3:45:52 PM	62	69	52.3	80.1	62	69	52.3	80.1
3:46:52 PM	64	69.5	58.1	83.2	64	69.5	58.1	83.2
3:47:52 PM	65.4	71.4	57.2	84.9	65.4	71.4	57.2	84.9
3:48:52 PM	60.2	65.2	55.7	78.4	60.2	65.2	55.7	78.4
3:49:52 PM	64.8	72.8	57.8	87.2	64.8	72.8	57.8	87.2
3:50:52 PM	60.6	65.3	55	78.4	60.6	65.3	55	78.5
3:51:52 PM	59.2	63.5	50.2	76.2	59.2	63.5	50.1	76.2
3:52:52 PM	64.4	71.2	55.4	86.1	64.4	71.2	55.4	86.1
3:53:52 PM	62.3	68.7	53.7	80.9	62.2	68.7	53.7	80.9
3:54:52 PM	61.3	66.4	56	80.3	61.3	66.4	56	80.3
3:55:52 PM	64.4	71.3	55.3	84.4	64.4	71.3	55.3	84.5
3:56:52 PM	64.2	68.2	59.9	80.4	64.2	68.2	59.9	80.5
3:57:52 PM	62.1	68.3	57.4	81.8	62.1	68.3	57.4	81.8
3:58:52 PM	63.6	69.2	52.5	82.3	63.6	69.2	52.5	82.4
3:59:52 PM	63.1	66.9	59.5	79.5	63.1	66.9	59.5	79.5
4:00:52 PM	63.8	69.7	54.5	84.7	63.8	69.7	54.5	84.7
4:01:52 PM	64.5	70.4	58	83.4	64.5	70.4	58	83.4
4:02:52 PM	63.6	69.4	57.6	83.3	63.6	69.4	57.6	83.4
4:03:52 PM	67.3	81.7	50.4	94.3	67.3	81.7	50.4	94.3
4:04:52 PM	64.6	68.7	58.8	84.2	64.6	68.7	58.8	84.2
4:05:52 PM	64.1	70.6	56.4	84.2	64.1	70.6	56.4	84.2
4:06:52 PM	60.7	66	53.2	79.7	60.7	66	53.2	79.7
4:07:52 PM	64.9	72.4	52	89.9	64.9	72.4	52	89.9
4:08:52 PM	62.6	66.9	57.9	79.4	62.6	66.9	57.9	79.4
4:09:52 PM	62.2	69.1	55.4	81.9	62.2	69.1	55.4	81.9
4:10:52 PM	62.7	69.8	55	83.7	62.7	69.8	55	83.7
4:11:52 PM	64.1	70.7	56	83.6	64.1	70.7	56	83.5
4:12:52 PM	60.6	66.2	55.4	79.3	60.6	66.2	55.4	79.3
4:13:52 PM	68.2	76.9	53.7	89.9	68.2	76.9	53.7	89.9
4:14:52 PM	63.5	68.9	57.9	82.5	63.5	68.9	57.9	82.6
4:15:52 PM	60.9	67.1	51.1	80.3	60.9	67.1	51.1	80.3

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
4:16:52 PM	65.3	71.8	56.8	87.7	65.3	71.8	56.8	87.7
4:17:52 PM	63.8	70.9	54.7	82.8	63.8	70.9	54.7	82.7
4:18:52 PM	58.4	63.5	52	76.7	58.4	63.5	52	76.7
4:19:52 PM	62.3	67.4	50.8	80.7	62.3	67.4	50.8	80.7
4:20:52 PM	63.5	69.7	60.4	81.6	63.5	69.7	60.4	81.7
4:21:52 PM	61.5	68.1	52	81.3	61.5	68.1	52	81.3
4:22:52 PM	67.3	72.7	59.1	87.3	67.3	72.7	59.1	87.3
4:23:52 PM	59.9	64.7	53	77.4	59.9	64.7	52.9	77.5
4:24:52 PM	62.7	69.8	52.3	84.5	62.7	69.8	52.4	84.5
4:25:52 PM	63.5	68.9	54.6	83.1	63.5	68.9	54.6	83.1
4:26:52 PM	61.9	70.3	54.4	83.3	61.9	70.3	54.4	83.4
4:27:52 PM	60.6	69.8	49.9	83.3	60.6	69.8	49.9	83.3
4:28:52 PM	64.9	69.9	54	92.6	64.9	69.9	54	92.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Location M4: Session Report #2

Meter No. 40395
Session No. S169
Start: 1631 on 7/21/2021
End: 0949 on 7/22/2021

Information Panel

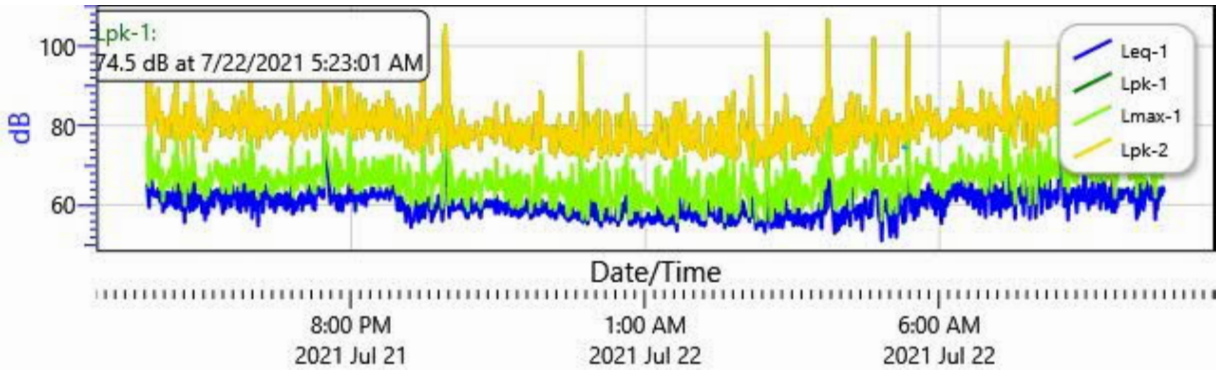
Name	S169_BLR010003_23072021_112949
Start Time	7/21/2021 4:31:01 PM
Stop Time	7/22/2021 9:49:12 AM
Device Name	BLR010003
Model Type	SoundPro DL
Device Firmware Rev	R.13H
Comments	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	63.4 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	SLOW	Bandwidth	1	OFF
Exchange Rate	2	3 dB	Weighting	2	A
Response	2	SLOW			

Logged Data Chart

S169_BLR010003_23072021_112949: Logged Data Chart



Logged Data Table

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7/21/2021	65.4	76	53.7	107.3	65.4	76	53.7	107.3

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
4:32:01 PM								
4:33:01 PM	62	66.1	55.3	81.7	62	66.1	55.2	81.7
4:34:01 PM	59.4	64.6	55.6	77.4	59.4	64.6	55.6	77.5
4:35:01 PM	81.4	93.2	57.8	107.6	81.4	93.2	57.8	107.6
4:36:01 PM	66.8	68.9	64.7	82.6	66.8	68.9	64.7	82.6
4:37:01 PM	65.1	71.4	55.8	87.3	65.1	71.4	55.8	87.4
4:38:01 PM	62.5	66.6	56.9	80.8	62.5	66.6	56.9	80.8
4:39:01 PM	63.4	69.4	56.1	82.4	63.4	69.4	56.1	82.4
4:40:01 PM	62.1	70.3	55.8	85	62.1	70.3	55.8	85
4:41:01 PM	63	69.8	56.7	85.2	63	69.8	56.7	85.2
4:42:01 PM	62.1	66.9	58.3	82.4	62.1	66.9	58.3	82.3
4:43:01 PM	64.1	73.5	52.1	89.2	64.1	73.5	52.1	89.2
4:44:01 PM	62.6	65.8	54.5	79.1	62.6	65.8	54.5	79.1
4:45:01 PM	60.8	64	56.3	77.9	60.8	64	56.3	77.9
4:46:01 PM	61	66.8	55.8	79.4	61	66.8	55.8	79.4
4:47:01 PM	65.2	69.1	58.6	83.1	65.2	69.1	58.6	83.1
4:48:01 PM	58.3	61	55.3	73.5	58.3	61	55.3	73.6
4:49:01 PM	59.5	64.7	52.1	77.8	59.5	64.8	52.1	77.8
4:50:01 PM	63	65.5	59	79.2	63	65.5	59	79.3
4:51:01 PM	61.1	65.4	56.7	77.9	61.1	65.4	56.7	77.9
4:52:01 PM	59.6	67.6	51.3	81.8	59.6	67.6	51.3	81.8
4:53:01 PM	63.2	67.1	57.3	79.9	63.2	67.1	57.3	79.8
4:54:01 PM	60.4	64.3	54.6	77.1	60.4	64.3	54.6	77.1
4:55:01 PM	60.6	69	51.5	82.4	60.6	69	51.5	82.5
4:56:01 PM	62.9	67.1	57.3	81	62.9	67.1	57.2	80.9
4:57:01 PM	62.4	68.3	57.5	80.9	62.4	68.3	57.5	80.9
4:58:01 PM	60	70.6	49.2	83.6	60	70.6	49.2	83.6
4:59:01 PM	64.5	72.5	51.3	87.6	64.5	72.5	51.3	87.6
5:00:01 PM	59.6	63.7	56.3	76.6	59.6	63.7	56.3	76.5
5:01:01 PM	59.1	67.4	47.8	80.7	59.1	67.4	47.8	80.7
5:02:01 PM	67.7	79.3	58.4	93.6	67.7	79.3	58.4	93.6
5:03:01 PM	60.5	65.9	54.5	78.2	60.5	65.9	54.4	78.3
5:04:01 PM	59.4	70.8	52.7	82.5	59.4	70.8	52.7	82.6
5:05:01 PM	65.1	69.5	56.4	82.4	65.1	69.5	56.4	82.4
5:06:01 PM	61.7	67.3	54.8	80.4	61.7	67.3	54.8	80.4
5:07:01 PM	58.7	63.9	52.4	76.6	58.7	63.9	52.4	76.5
5:08:01 PM	62.5	68	52.1	81.4	62.5	68	52.1	81.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
5:09:01 PM	60.7	67	49.8	81.9	60.7	67	49.8	81.8
5:10:01 PM	55.6	59.9	49.8	72.7	55.6	59.9	49.8	72.7
5:11:01 PM	64.4	72.7	51.3	85.5	64.4	72.7	51.3	85.5
5:12:01 PM	59.5	64.8	52.9	77.7	59.5	64.8	52.9	77.7
5:13:01 PM	60.5	67.2	51	81.3	60.5	67.2	51	81.3
5:14:01 PM	63.8	69.3	53.1	85.2	63.8	69.3	53.1	85.2
5:15:01 PM	58.4	63.3	49.9	77.2	58.4	63.3	49.9	77.2
5:16:01 PM	59.1	65.2	50.6	78.8	59.1	65.2	50.6	78.8
5:17:01 PM	62	65.9	50.8	78.9	62	65.9	50.8	79
5:18:01 PM	65.1	77.7	54.9	91.1	65.1	77.7	54.9	91.1
5:19:01 PM	58.7	67.8	48.7	79.5	58.7	67.8	48.6	79.4
5:20:01 PM	65.6	71.1	51.7	84.4	65.6	71.1	51.7	84.4
5:21:01 PM	62	66.3	55.8	79.7	62	66.2	55.8	79.7
5:22:01 PM	59.5	66.3	52.1	79.6	59.5	66.3	52.1	79.6
5:23:01 PM	62.4	66.8	57.6	79.7	62.4	66.8	57.6	79.6
5:24:01 PM	60.6	63.8	54.1	77.3	60.6	63.8	54.1	77.3
5:25:01 PM	60.5	64.6	53.6	77.2	60.5	64.6	53.6	77.3
5:26:01 PM	62.4	66.4	56.8	81.5	62.4	66.4	56.8	81.6
5:27:01 PM	61.1	65.7	55.7	78.4	61.1	65.7	55.7	78.3
5:28:01 PM	58.1	63.1	50	77.1	58.1	63.1	50	77
5:29:01 PM	61.9	64.8	52.1	78.2	61.9	64.8	52.1	78.1
5:30:01 PM	58.7	61.9	52.7	74.7	58.7	61.9	52.7	74.7
5:31:01 PM	56.2	61.4	47.9	73.7	56.2	61.4	47.9	73.8
5:32:01 PM	62.4	66.7	58.8	78.9	62.4	66.7	58.8	78.9
5:33:01 PM	58.7	63.5	54.6	78.8	58.7	63.5	54.6	78.8
5:34:01 PM	57.9	62.6	50.5	76.2	57.9	62.6	50.5	76.2
5:35:01 PM	64.7	70.2	54.2	83.2	64.7	70.2	54.2	83.1
5:36:01 PM	62.5	65.4	57.2	88.7	62.5	65.4	57.2	88.8
5:37:01 PM	59.9	64.7	51.1	77.9	59.9	64.7	51.1	77.9
5:38:01 PM	63.3	66.5	51.9	80	63.3	66.5	51.9	80
5:39:01 PM	62.8	67.9	58.9	80.9	62.8	67.9	58.9	80.9
5:40:01 PM	59.5	67.9	50.1	80.6	59.5	67.9	50.1	80.6
5:41:01 PM	62.5	68	57.2	80.7	62.5	67.9	57.2	80.7
5:42:01 PM	63.7	71.1	56.2	85.8	63.7	71.1	56.2	85.7
5:43:01 PM	63.9	71	58.5	83.7	63.9	71	58.5	83.8
5:44:01 PM	63.3	67.3	58.8	80.6	63.3	67.3	58.8	80.6
5:45:01 PM	62.1	66.1	58.7	80	62.1	66.1	58.7	80.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
5:46:01 PM	60.9	67.3	53.2	80.6	60.9	67.3	53.2	80.5
5:47:01 PM	64.4	70	58.3	83.8	64.4	70	58.3	83.7
5:48:01 PM	60.3	63.8	52.4	77.4	60.3	63.8	52.3	77.5
5:49:01 PM	57.9	63.1	49.1	78.1	57.9	63.1	49.1	78.1
5:50:01 PM	64	69.1	50.4	83.3	64	69.1	50.4	83.3
5:51:01 PM	62.1	66.9	59.9	82.1	62.1	66.9	59.9	82.2
5:52:01 PM	59	66.2	51.3	79.7	59	66.2	51.3	79.6
5:53:01 PM	64	70.1	54.2	83.2	64	70.1	54.3	83.2
5:54:01 PM	60.5	64.2	57.6	78.2	60.5	64.2	57.6	78.2
5:55:01 PM	60.6	63	55.9	77.3	60.6	63	55.9	77.3
5:56:01 PM	63.6	68.8	58.5	82	63.6	68.8	58.5	82
5:57:01 PM	59.5	63.2	55.5	76.9	59.5	63.2	55.5	77
5:58:01 PM	59.9	65.2	52.3	78.9	59.9	65.2	52.3	78.9
5:59:01 PM	64.9	71.2	57.6	83.9	64.9	71.2	57.6	83.9
6:00:01 PM	63	70.3	56.1	82.8	63	70.3	56.1	82.8
6:01:01 PM	61.8	71.5	50.9	87.2	61.8	71.5	50.9	87.2
6:02:01 PM	62.8	67	55.3	81	62.8	67	55.3	81
6:03:01 PM	61.6	67.3	52.4	80	61.6	67.3	52.4	80
6:04:01 PM	59	66	51.6	78.7	59	66	51.6	78.8
6:05:01 PM	64.5	68.9	60.3	82.6	64.5	68.9	60.3	82.7
6:06:01 PM	60.4	67.9	52.9	81.1	60.4	67.9	52.9	81.1
6:07:01 PM	58.2	63.7	52.1	76.4	58.2	63.7	52.1	76.4
6:08:01 PM	63.4	71.1	55.2	86.2	63.4	71.1	55.2	86.2
6:09:01 PM	64.5	74.7	56.8	88.3	64.5	74.7	56.8	88.3
6:10:01 PM	59.9	65.9	50.7	79.9	59.9	65.9	50.7	79.9
6:11:01 PM	65.3	71	52.9	84.8	65.3	71	52.9	84.8
6:12:01 PM	63.5	69	54.7	82.8	63.5	69	54.7	82.9
6:13:01 PM	58.5	67.2	50.2	80.2	58.5	67.2	50.2	80.3
6:14:01 PM	64.8	71.3	59.4	85.7	64.8	71.3	59.4	85.7
6:15:01 PM	59.9	63.6	52.4	76	59.9	63.6	52.4	76.1
6:16:01 PM	61.1	69	51.3	83	61.1	69	51.3	83
6:17:01 PM	66.2	75	60.1	91.1	66.2	75	60.1	91.1
6:18:01 PM	68.3	78.2	55.4	91.2	68.3	78.2	55.4	91.2
6:19:01 PM	56.7	64.1	47.3	78	56.7	64.1	47.3	77.9
6:20:01 PM	65.3	73.1	53	85.9	65.3	73.1	53	85.9
6:21:01 PM	60	64.3	50.5	83.4	60	64.3	50.5	83.4
6:22:01 PM	58.8	64.8	50.1	77.5	58.8	64.8	50.1	77.5

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
6:23:01 PM	61.5	66.6	57.2	82.6	61.5	66.6	57.2	82.6
6:24:01 PM	61.7	65.7	53.3	79.7	61.7	65.7	53.3	79.7
6:25:01 PM	54.8	61.6	46.8	74.4	54.8	61.6	46.8	74.5
6:26:01 PM	62.9	68	56.2	84	62.9	68	56.2	84
6:27:01 PM	60.3	65.4	53.2	78.9	60.3	65.4	53.2	78.9
6:28:01 PM	60.4	64.2	52.3	77.9	60.4	64.2	52.3	77.9
6:29:01 PM	62.8	69.6	55	83.1	62.7	69.6	55	83.1
6:30:01 PM	58.2	63.9	48.2	77.1	58.2	63.9	48.2	77.1
6:31:01 PM	61.1	67.7	49	80.1	61.1	67.7	49	80.1
6:32:01 PM	65	69.6	58.8	84.4	65	69.6	58.8	84.4
6:33:01 PM	61.7	66.3	55.2	79.4	61.7	66.3	55.2	79.3
6:34:01 PM	61.8	67.8	53.5	82.6	61.8	67.8	53.5	82.6
6:35:01 PM	62.1	67.2	54.8	83.1	62.1	67.2	54.8	83
6:36:01 PM	63.3	68.6	54	83.6	63.3	68.6	54	83.7
6:37:01 PM	59.4	63	55.3	76.8	59.4	63	55.3	76.7
6:38:01 PM	63.3	66.4	60	81.1	63.3	66.4	60	81.1
6:39:01 PM	60.9	64.4	51.2	77.8	60.9	64.4	51.2	77.9
6:40:01 PM	59.7	62.3	55	80.5	59.7	62.3	55	80.5
6:41:01 PM	62.4	66.4	54.4	79.5	62.4	66.4	54.4	79.5
6:42:01 PM	58.3	66.5	48.1	80.7	58.3	66.5	48.1	80.7
6:43:01 PM	59.2	63.8	49.7	78.4	59.2	63.8	49.7	78.4
6:44:01 PM	62.3	67.2	57.1	81.6	62.3	67.2	57.1	81.7
6:45:01 PM	62.7	68.8	54	85.1	62.7	68.8	54	85.1
6:46:01 PM	60.1	64.2	53	80.9	60.1	64.2	53	80.8
6:47:01 PM	62.8	68	54.8	83.7	62.8	67.9	54.8	83.7
6:48:01 PM	60.1	65.5	51.4	79.3	60.1	65.5	51.4	79.2
6:49:01 PM	61.1	65.9	51.4	80.7	61.1	65.9	51.4	80.7
6:50:01 PM	62.2	67.3	55.6	80.4	62.2	67.3	55.6	80.5
6:51:01 PM	61	66.5	53.5	80.8	61	66.5	53.5	80.9
6:52:01 PM	59.1	63.6	53	79	59.1	63.6	53	79
6:53:01 PM	63.3	66.8	54.3	80	63.3	66.8	54.3	80
6:54:01 PM	58.7	65.2	50.7	77.9	58.7	65.2	50.7	77.9
6:55:01 PM	59.2	66.6	50.6	80.1	59.2	66.6	50.6	80.1
6:56:01 PM	62.5	67.4	56.9	81.6	62.5	67.4	56.9	81.6
6:57:01 PM	59.7	65.2	50.3	78.1	59.7	65.2	50.3	78
6:58:01 PM	62.1	71.3	52.3	84.6	62.1	71.3	52.3	84.5
6:59:01 PM	65.7	74.7	55.2	90.8	65.7	74.7	55.2	90.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7:00:01 PM	57.7	63.9	49	76.7	57.7	63.9	49	76.7
7:01:01 PM	57.8	62.2	50	75.6	57.8	62.2	50	75.5
7:02:01 PM	61	67.2	52.4	80.5	61	67.2	52.4	80.5
7:03:01 PM	60	65.4	52.4	79.2	60	65.4	52.4	79.2
7:04:01 PM	58.7	67.3	49.3	80.5	58.7	67.3	49.3	80.4
7:05:01 PM	59.9	63.9	49.4	77.5	59.9	63.9	49.3	77.4
7:06:01 PM	60.7	69.4	50.8	80.8	60.7	69.4	50.8	80.8
7:07:01 PM	62.1	66.9	57.5	80.5	62.1	66.9	57.5	80.5
7:08:01 PM	61.9	69.2	56.4	82.8	61.9	69.1	56.4	82.8
7:09:01 PM	63	66.1	58	80.1	63	66.1	58	80.1
7:10:01 PM	58.6	65.6	49.8	78.8	58.6	65.6	49.8	78.8
7:11:01 PM	62.5	69.6	57.7	83.2	62.5	69.6	57.7	83.2
7:12:01 PM	60.3	67.9	50	81.9	60.3	67.9	49.9	81.8
7:13:01 PM	61.3	66.8	49.2	81.7	61.3	66.8	49.2	81.7
7:14:01 PM	60.4	64.1	53.5	76.7	60.4	64.1	53.5	76.6
7:15:01 PM	61	65.3	51.6	79.6	61	65.3	51.6	79.5
7:16:01 PM	65	73.4	53.6	85.8	65	73.4	53.6	85.8
7:17:01 PM	60.5	67.4	55.2	81.4	60.5	67.4	55.2	81.3
7:18:01 PM	63.9	68.4	59.1	82.7	63.9	68.3	59.1	82.7
7:19:01 PM	61.7	66.3	55.3	81.4	61.7	66.3	55.3	81.4
7:20:01 PM	63	69.1	51.8	82	63	69.1	51.8	82
7:21:01 PM	59	63.4	51.8	77.3	59	63.4	51.8	77.3
7:22:01 PM	62.7	68.6	56.5	82.3	62.7	68.6	56.5	82.4
7:23:01 PM	58.8	63	55.9	77.2	58.8	63	55.9	77.2
7:24:01 PM	63.2	69.9	57.9	83.8	63.2	69.9	57.9	83.8
7:25:01 PM	62.3	67.6	56.3	79.9	62.3	67.6	56.3	79.9
7:26:01 PM	64.5	67.5	59.5	80.7	64.5	67.5	59.5	80.6
7:27:01 PM	64.3	70	56.1	83.6	64.3	70	56.1	83.6
7:28:01 PM	63.6	68.6	57.2	82.1	63.6	68.6	57.2	82.1
7:29:01 PM	62.4	69	57.9	84	62.4	69	57.8	84.1
7:30:01 PM	62.2	68	52.9	81.1	62.2	68	52.9	81.2
7:31:01 PM	61.7	64.5	57.7	78.9	61.7	64.5	57.7	79
7:32:01 PM	61.8	64.8	58.8	78.6	61.8	64.8	58.8	78.5
7:33:01 PM	80.7	92.1	58.5	104.3	80.7	92.1	58.5	104.3
7:34:01 PM	69	75.6	65.9	88	69	75.6	65.9	87.9
7:35:01 PM	68.8	74.5	66.1	87.4	68.8	74.5	66.1	87.4
7:36:01 PM	70.3	75.2	66	88.3	70.3	75.2	66	88.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7:37:01 PM	66.6	71.5	57.5	85.5	66.6	71.5	57.5	85.5
7:38:01 PM	62.2	69.7	55.1	83.5	62.2	69.7	55.1	83.6
7:39:01 PM	60.3	68.2	56	79.1	60.3	68.2	56	79.1
7:40:01 PM	62.3	66.2	55.9	80.7	62.3	66.2	55.9	80.7
7:41:01 PM	61.1	64.8	54	78.2	61.1	64.8	54	78.2
7:42:01 PM	61.3	65.9	57.2	79.1	61.3	65.8	57.2	79.1
7:43:01 PM	63.5	70.5	58.6	83.5	63.5	70.5	58.6	83.5
7:44:01 PM	65.8	74.3	55.4	89.6	65.8	74.3	55.4	89.7
7:45:01 PM	59	63.1	54.8	79.8	59	63.1	54.8	79.8
7:46:01 PM	63.3	72.9	57.1	85.6	63.3	72.9	57.1	85.6
7:47:01 PM	58.6	63.5	55.2	78.7	58.6	63.5	55.2	78.7
7:48:01 PM	62.7	68.4	54.6	83.9	62.7	68.4	54.6	83.8
7:49:01 PM	62.4	71.5	56.8	89.4	62.4	71.5	56.8	89.4
7:50:01 PM	62.1	66.1	58.7	79.9	62.1	66.1	58.7	79.9
7:51:01 PM	58.5	64.8	50.1	78.1	58.5	64.8	50.1	78.1
7:52:01 PM	61.6	66.5	55	79.9	61.6	66.5	55	79.9
7:53:01 PM	61.9	68.5	52.8	81.4	61.9	68.5	52.8	81.4
7:54:01 PM	62.3	66.4	52.8	80.6	62.3	66.4	52.8	80.6
7:55:01 PM	61.7	67	53.4	80.2	61.7	67	53.4	80.1
7:56:01 PM	60.5	65.6	54.9	79.7	60.5	65.6	54.9	79.7
7:57:01 PM	62.4	69.7	56.6	84.2	62.4	69.7	56.6	84.2
7:58:01 PM	65.6	78.7	56.7	94	65.6	78.7	56.7	94
7:59:01 PM	64.3	74.9	59.2	90.4	64.3	74.9	59.2	90.4
8:00:01 PM	61	64.5	55.9	77.8	61	64.5	55.9	77.7
8:01:01 PM	63.7	72	57.4	88.6	63.7	72	57.4	88.6
8:02:01 PM	63	66.6	53.9	80.1	63	66.6	53.9	80
8:03:01 PM	64.2	71.5	58.7	84.6	64.2	71.5	58.7	84.6
8:04:01 PM	58.5	63.1	54.3	76.4	58.5	63.1	54.3	76.4
8:05:01 PM	62.2	65.3	58.3	78.8	62.2	65.3	58.3	78.9
8:06:01 PM	61.6	65	57	79.3	61.6	65	57	79.4
8:07:01 PM	62.2	66.8	59.1	80	62.2	66.8	59.1	80
8:08:01 PM	61.7	64	55.5	87.9	61.7	64	55.5	87.9
8:09:01 PM	60.9	66.5	56.8	79.8	60.9	66.5	56.8	79.8
8:10:01 PM	63.8	70.9	58.6	85.4	63.8	70.9	58.6	85.4
8:11:01 PM	60.3	63.4	57	77.1	60.3	63.4	57	77.1
8:12:01 PM	63.1	70.6	58.4	83.2	63.1	70.6	58.4	83.2
8:13:01 PM	60.9	65.8	56.4	79.4	60.9	65.8	56.4	79.3

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
8:14:01 PM	63.6	71.8	56.6	86.4	63.6	71.8	56.6	86.3
8:15:01 PM	59.8	65	55.5	82.8	59.8	65	55.5	82.8
8:16:01 PM	62.7	69.1	58.5	83	62.7	69.1	58.5	83
8:17:01 PM	61.6	67.8	56.7	82	61.6	67.8	56.7	81.9
8:18:01 PM	62.2	65.8	56.6	79.3	62.2	65.8	56.6	79.2
8:19:01 PM	61.8	65.2	55.4	79	61.8	65.2	55.4	78.9
8:20:01 PM	62.4	65.4	56	79.1	62.4	65.4	56	79.1
8:21:01 PM	64.3	69.5	57.5	83.6	64.3	69.5	57.5	83.6
8:22:01 PM	62	67	57.6	81.5	62	67	57.6	81.5
8:23:01 PM	64.1	72	56.5	85	64.1	72	56.5	85
8:24:01 PM	62.4	65.7	58.6	80.4	62.4	65.7	58.6	80.3
8:25:01 PM	62.8	65.8	60.3	78.3	62.8	65.8	60.3	78.3
8:26:01 PM	62.1	66.8	57.6	78.9	62.1	66.8	57.6	78.9
8:27:01 PM	61.3	63.9	56	76.4	61.3	63.9	56	76.4
8:28:01 PM	63.5	71.2	59	86.1	63.5	71.2	59	86.1
8:29:01 PM	64.3	66.9	59.8	82.1	64.3	66.9	59.8	82.1
8:30:01 PM	62.1	65.3	56.4	78.9	62.1	65.3	56.3	79
8:31:01 PM	62.9	71.1	57.7	83.9	62.9	71.1	57.7	83.8
8:32:01 PM	62.7	71.2	59	83.4	62.7	71.2	59	83.5
8:33:01 PM	62.9	69.5	57.6	84.2	62.9	69.5	57.6	84.2
8:34:01 PM	61.6	65.4	58	79.8	61.6	65.4	58	79.8
8:35:01 PM	62.9	66.5	59.6	79.7	62.9	66.5	59.6	79.7
8:36:01 PM	63.8	69.3	57.9	82.7	63.8	69.3	57.9	82.7
8:37:01 PM	64.2	72.4	59.6	88.5	64.2	72.4	59.6	88.5
8:38:01 PM	64.3	66.8	61.8	79.2	64.3	66.8	61.8	79.2
8:39:01 PM	61.3	64.1	53.3	76.8	61.3	64.1	53.3	76.9
8:40:01 PM	63.1	66.7	58.6	79.8	63.1	66.7	58.6	79.7
8:41:01 PM	63	71.4	59	85.6	63	71.4	59	85.6
8:42:01 PM	64.8	72.2	59.2	86.4	64.8	72.2	59.2	86.4
8:43:01 PM	63.1	66	59.6	80.2	63.1	66	59.6	80.2
8:44:01 PM	62.7	65.3	58.5	79.5	62.7	65.3	58.5	79.4
8:45:01 PM	61.8	67.3	55	81.3	61.8	67.3	55	81.3
8:46:01 PM	61.9	67.1	57.8	79.8	61.9	67	57.8	79.9
8:47:01 PM	58.7	62.6	50.6	76.3	58.7	62.6	50.5	76.2
8:48:01 PM	59.5	65.2	50.7	79.6	59.5	65.2	50.6	79.6
8:49:01 PM	62.1	72.5	53.6	83.9	62.1	72.5	53.6	83.9
8:50:01 PM	58.6	63.1	52.6	76.7	58.6	63.1	52.6	76.5

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
8:51:01 PM	61.9	68.7	54.6	82.2	61.9	68.7	54.6	82.2
8:52:01 PM	58.8	64.4	53.5	78.1	58.8	64.4	53.5	78.1
8:53:01 PM	60.7	67.6	54.6	79.7	60.7	67.6	54.6	79.7
8:54:01 PM	58.6	66.7	51.2	80.5	58.6	66.7	51.1	80.5
8:55:01 PM	59.1	65.5	52.7	79.2	59.1	65.5	52.7	79.2
8:56:01 PM	55.7	60.9	51.4	74.5	55.7	60.9	51.4	74.4
8:57:01 PM	59.5	64.4	52.4	78.9	59.5	64.4	52.3	78.8
8:58:01 PM	59.8	70.5	53	84.9	59.8	70.4	53	84.9
8:59:01 PM	59.2	68.8	52.7	83.4	59.2	68.8	52.7	83.4
9:00:01 PM	58.3	68.5	51.5	83.1	58.3	68.5	51.4	83
9:01:01 PM	54.4	60.7	51.3	74.8	54.4	60.7	51.2	74.8
9:02:01 PM	56.4	59.7	53.1	74.5	56.4	59.6	53.1	74.4
9:03:01 PM	55.8	60.3	52.9	73.1	55.8	60.3	52.9	73
9:04:01 PM	56	63.6	51.9	77.2	55.9	63.6	51.9	77.3
9:05:01 PM	57.6	62.3	52.4	75.1	57.6	62.3	52.3	75.1
9:06:01 PM	60.9	63.5	57.1	75.8	60.9	63.5	57.1	75.8
9:07:01 PM	59.5	68.1	54.4	83.2	59.5	68.1	54.3	83.3
9:08:01 PM	60.7	64.9	55	78	60.6	64.9	55	77.9
9:09:01 PM	55.7	60.4	53.9	73.9	55.7	60.4	53.9	73.8
9:10:01 PM	60.3	66.8	54	81	60.3	66.8	54	81
9:11:01 PM	56.7	60.7	53.2	75.6	56.6	60.7	53.2	75.4
9:12:01 PM	61.2	68.5	53.1	81.8	61.2	68.5	53.1	81.8
9:13:01 PM	74.8	89.9	52.6	104.6	74.8	89.9	52.6	104.6
9:14:01 PM	58.2	63	53.2	75.9	58.2	63	53.1	75.9
9:15:01 PM	56.8	61	53.9	74.9	56.8	61	53.9	75
9:16:01 PM	60.7	67.7	53.6	81	60.7	67.7	53.5	81.1
9:17:01 PM	60.6	67.6	55.4	81.4	60.6	67.6	55.4	81.4
9:18:01 PM	60.2	67.7	55.2	81	60.2	67.7	55.2	81
9:19:01 PM	61.9	66.5	56.1	81.3	61.9	66.5	56.1	81.3
9:20:01 PM	58.5	66.3	54.5	79.9	58.5	66.3	54.5	79.8
9:21:01 PM	60.7	65.4	55.4	78.7	60.7	65.4	55.4	78.6
9:22:01 PM	55.8	59.2	53.8	73.1	55.8	59.2	53.8	72.8
9:23:01 PM	58.1	66.6	53.7	81.2	58.1	66.6	53.6	81.2
9:24:01 PM	57.1	64.1	52.8	82.5	57.1	64.1	52.8	82.5
9:25:01 PM	60	68.5	52.3	83.4	60	68.5	52.2	83.4
9:26:01 PM	58.3	65.6	54.2	78.4	58.3	65.6	54.1	78.4
9:27:01 PM	59.5	65.5	54.6	79.8	59.5	65.5	54.6	79.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:28:01 PM	59.1	66.1	55.6	79.6	59.1	66.1	55.6	79.7
9:29:01 PM	62.4	69.8	55	84.9	62.4	69.8	55	84.9
9:30:01 PM	60	65.8	55.2	80	60	65.8	55.2	80.1
9:31:01 PM	61.5	70.2	54.9	82.5	61.5	70.2	54.9	82.5
9:32:01 PM	59	62.6	54.6	76	58.9	62.6	54.6	76.1
9:33:01 PM	56	59.3	54.5	73.5	56	59.3	54.5	73.5
9:34:01 PM	58.8	61.6	55	75.1	58.8	61.6	55	75.1
9:35:01 PM	77.2	89.2	53.8	102.1	77.2	89.2	53.8	102.1
9:36:01 PM	75.1	89.8	53.6	105.1	75.1	89.8	53.6	105.1
9:37:01 PM	65	75.3	54	88.2	65	75.3	54	88.1
9:38:01 PM	75	83.1	61.5	98.3	75	83.1	61.5	98.3
9:39:01 PM	60.7	66.2	56.2	79.3	60.7	66.2	56.2	79.3
9:40:01 PM	56.9	60.2	55.8	73.6	56.9	60.2	55.8	73.7
9:41:01 PM	62.1	71.4	56.5	84.9	62.1	71.4	56.5	84.9
9:42:01 PM	59.4	66.8	56.6	78.9	59.4	66.8	56.6	78.9
9:43:01 PM	62.3	67.4	57.8	82.2	62.3	67.4	57.8	82.2
9:44:01 PM	58.6	61.8	56.3	74.8	58.6	61.8	56.3	74.9
9:45:01 PM	59.2	63.2	56.5	76.7	59.2	63.2	56.5	76.7
9:46:01 PM	58.8	63.4	56.2	77.8	58.8	63.4	56.2	77.8
9:47:01 PM	59.1	61.3	57.4	76.3	59.1	61.3	57.4	76.3
9:48:01 PM	59	62.7	56.2	75.3	59	62.7	56.2	75.3
9:49:01 PM	59.8	66.1	56	79.5	59.8	66.1	56	79.5
9:50:01 PM	60.1	66.6	56.2	79.7	60.1	66.6	56.2	79.8
9:51:01 PM	59	62.4	56.6	75.7	59	62.4	56.6	75.6
9:52:01 PM	59.5	62.9	56.7	77.4	59.5	62.9	56.7	77.3
9:53:01 PM	61.4	67.8	57.3	83.8	61.4	67.8	57.3	83.8
9:54:01 PM	58.8	64.9	56.5	79.3	58.8	64.9	56.5	79.3
9:55:01 PM	59.5	68.6	56.3	81.3	59.5	68.6	56.2	81.4
9:56:01 PM	58.1	60.7	56.2	74.7	58.1	60.7	56.2	74.7
9:57:01 PM	57	59.7	55.8	74.4	57	59.7	55.8	74.4
9:58:01 PM	60.2	65.9	56.3	78.7	60.2	65.9	56.3	78.7
9:59:01 PM	56.7	58.6	55.8	74.7	56.7	58.6	55.8	74.6
10:00:01 PM	59.5	66	56	79.4	59.5	66	56	79.4
10:01:01 PM	59.9	66.5	56.3	79.5	59.8	66.5	56.3	79.6
10:02:01 PM	61.7	66	57	78.8	61.7	66	57	78.8
10:03:01 PM	58.5	63.6	55.7	76.9	58.5	63.6	55.7	76.9
10:04:01 PM	58	62.1	55.9	76.4	58	62.1	55.9	76.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
10:05:01 PM	59.5	65.7	56.4	78.2	59.5	65.7	56.4	78.3
10:06:01 PM	58.7	65.6	56.3	78.3	58.7	65.6	56.3	78.4
10:07:01 PM	58.9	64.2	56	78	58.9	64.2	55.9	78
10:08:01 PM	60.5	68	55.2	80.9	60.5	68	55.2	80.9
10:09:01 PM	58.9	66.2	54.7	78.8	58.9	66.2	54.7	78.8
10:10:01 PM	58.7	64	55.9	77.8	58.7	64	55.9	77.8
10:11:01 PM	57.4	60.1	55.6	74.3	57.4	60.1	55.6	74.3
10:12:01 PM	56.8	59.4	55.5	73.9	56.8	59.4	55.5	74
10:13:01 PM	59.6	65	55.8	77.6	59.6	65	55.8	77.7
10:14:01 PM	59.1	65	55.7	78	59.1	65	55.7	78
10:15:01 PM	60	66	55.6	79.5	60	66	55.6	79.6
10:16:01 PM	59.5	66	56.1	78.1	59.5	66	56.1	78.1
10:17:01 PM	60.8	68.8	56	81.9	60.8	68.8	56	81.9
10:18:01 PM	61.2	68.8	56.3	81.8	61.2	68.8	56.3	81.7
10:19:01 PM	59.6	63.8	56.6	77.8	59.6	63.8	56.6	77.8
10:20:01 PM	59.6	64.7	55.8	79.4	59.6	64.7	55.8	79.4
10:21:01 PM	59.5	65.8	56.2	78.6	59.5	65.8	56.2	78.6
10:22:01 PM	61.1	68.4	57.3	81.5	61.1	68.4	57.3	81.5
10:23:01 PM	59.6	64	56.8	77	59.6	64	56.8	77.1
10:24:01 PM	60.2	64.1	57.1	78.4	60.2	64.1	57.1	78.2
10:25:01 PM	60.9	65.4	57.7	78.6	60.9	65.4	57.7	78.6
10:26:01 PM	59.6	65.8	56	77.6	59.6	65.8	56	77.7
10:27:01 PM	57.9	62.1	55.8	75.7	57.9	62.1	55.8	75.7
10:28:01 PM	62.4	71.7	55.8	85.7	62.4	71.7	55.8	85.7
10:29:01 PM	60.8	66.1	56.5	79.8	60.8	66.1	56.5	79.7
10:30:01 PM	58.8	64.4	56	78.1	58.8	64.4	56	78.1
10:31:01 PM	57.9	63.8	55.9	77.8	57.9	63.8	55.9	77.8
10:32:01 PM	60.7	66.3	56.6	80.1	60.7	66.3	56.6	80.2
10:33:01 PM	59.2	66.4	56.3	79.5	59.2	66.4	56.3	79.6
10:34:01 PM	59.7	65.4	56.5	78.4	59.7	65.4	56.5	78.5
10:35:01 PM	58.8	64.2	56.7	77.4	58.8	64.2	56.7	77.4
10:36:01 PM	60.3	66.4	56	79.7	60.3	66.4	56	79.7
10:37:01 PM	57.7	61.3	56	75.3	57.7	61.3	56	75.4
10:38:01 PM	58	61.2	56	76.1	58	61.2	56	76
10:39:01 PM	61.3	69.9	56.5	84.9	61.3	69.9	56.5	84.9
10:40:01 PM	61.3	68.1	56.4	82.5	61.3	68.1	56.4	82.5
10:41:01 PM	60.5	67.2	56.6	80.8	60.5	67.2	56.6	80.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
10:42:01 PM	59.4	67.2	56.2	81.9	59.4	67.2	56.2	81.9
10:43:01 PM	57.3	59.8	56.1	74.4	57.3	59.8	56.1	74.3
10:44:01 PM	59.5	65.8	56.6	78.7	59.5	65.7	56.6	78.8
10:45:01 PM	57.4	59.4	56.1	74.5	57.4	59.4	56.1	74.4
10:46:01 PM	59.3	67.5	55.7	80.3	59.3	67.5	55.7	80.3
10:47:01 PM	58.3	62.2	55.7	76	58.3	62.2	55.6	76
10:48:01 PM	57.7	61.4	55.3	75.2	57.7	61.4	55.3	75.2
10:49:01 PM	59.8	67.8	56.3	80.4	59.8	67.8	56.3	80.3
10:50:01 PM	57	59.2	55.7	73.5	57	59.2	55.7	73.7
10:51:01 PM	56.9	59.9	55.7	75.6	56.9	59.9	55.6	75.4
10:52:01 PM	60.5	68.6	56.5	81.4	60.5	68.6	56.5	81.5
10:53:01 PM	57.3	59.6	55.7	74.5	57.3	59.6	55.7	74.4
10:54:01 PM	59.5	66.6	55.8	79.2	59.5	66.6	55.8	79.2
10:55:01 PM	57.8	63.8	55.7	75.9	57.8	63.8	55.7	75.7
10:56:01 PM	59	65.6	55.9	79.7	59	65.6	55.9	79.7
10:57:01 PM	58.7	63.1	56.1	76	58.7	63.1	56.1	75.9
10:58:01 PM	58.7	64	56	76.2	58.7	64	56	76.1
10:59:01 PM	61.4	67.5	56.1	80.6	61.4	67.5	56.1	80.5
11:00:01 PM	58.3	61.8	56	75.5	58.3	61.8	56	75.5
11:01:01 PM	60	67.4	55.9	81.9	60	67.4	55.9	81.9
11:02:01 PM	59.1	65.2	55.3	79.3	59.1	65.2	55.3	79.2
11:03:01 PM	56.6	58.3	55.7	73.1	56.6	58.3	55.7	73.2
11:04:01 PM	57	60.3	55.9	74.9	57	60.3	55.8	74.9
11:05:01 PM	57.5	60.8	55.9	73.6	57.5	60.8	55.9	73.7
11:06:01 PM	57.2	61.5	55.6	75.6	57.2	61.5	55.6	75.6
11:07:01 PM	58	61	55.3	74.6	58	61	55.3	74.6
11:08:01 PM	63	70	56.2	83.2	63	70	56.2	83.2
11:09:01 PM	60.5	66.7	56.5	81.6	60.5	66.7	56.5	81.7
11:10:01 PM	58.3	62.5	56.1	76.5	58.3	62.5	56.1	76.5
11:11:01 PM	57.4	59.6	56	74.7	57.4	59.6	56	74.6
11:12:01 PM	57.7	60.1	56	74	57.7	60.1	56	74.1
11:13:01 PM	61.1	72.5	55.8	88.3	61.1	72.5	55.8	88.3
11:14:01 PM	61.3	72.7	55.8	86.5	61.3	72.7	55.8	86.4
11:15:01 PM	58.2	63.1	55.6	78.3	58.2	63.1	55.6	78.4
11:16:01 PM	58.5	63.3	55.8	77.6	58.5	63.3	55.8	77.6
11:17:01 PM	59.2	65.4	54.6	78.5	59.2	65.4	54.6	78.5
11:18:01 PM	58.6	65.3	55.3	79.9	58.6	65.3	55.3	79.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
11:19:01 PM	60.5	66.9	55.6	79.7	60.5	67	55.6	79.7
11:20:01 PM	58	64	55.4	77.7	58	64	55.4	77.6
11:21:01 PM	57.7	63.2	55.4	78.7	57.7	63.2	55.4	78.7
11:22:01 PM	58.6	65.2	55.9	79	58.6	65.2	55.9	79
11:23:01 PM	57	59.2	55.5	74	57	59.2	55.5	73.9
11:24:01 PM	57.2	59.6	55.6	73.2	57.2	59.6	55.6	73.2
11:25:01 PM	57.4	61.7	55.4	74.5	57.4	61.7	55.4	74.5
11:26:01 PM	59.9	66.1	55.2	79.8	59.9	66.1	55.2	79.8
11:27:01 PM	58.7	64.6	55.6	77.7	58.7	64.6	55.6	77.8
11:28:01 PM	56.5	58.8	55.6	72.2	56.5	58.8	55.6	72.1
11:29:01 PM	56.6	59.8	55.4	73.7	56.6	59.8	55.4	73.7
11:30:01 PM	58.2	62.8	55.7	77.1	58.2	62.8	55.7	77
11:31:01 PM	59.4	65.4	55.6	78.6	59.4	65.4	55.6	78.7
11:32:01 PM	60.5	68.2	55.6	82.5	60.5	68.2	55.6	82.4
11:33:01 PM	58.8	66.5	55.7	76.6	58.8	66.5	55.7	76.6
11:34:01 PM	58.3	63.9	55.7	78	58.3	63.9	55.7	78
11:35:01 PM	57.8	63	55.8	74.7	57.8	63	55.8	74.8
11:36:01 PM	59.7	66.1	55.8	78.8	59.7	66.1	55.8	78.8
11:37:01 PM	57.4	62.3	55.6	73.5	57.4	62.3	55.6	73.5
11:38:01 PM	56.9	63.5	55.2	79.8	56.9	63.5	55.2	79.8
11:39:01 PM	57.8	65.2	55.5	79.3	57.8	65.2	55.5	79.4
11:40:01 PM	56.7	59.3	55.3	73.2	56.7	59.3	55.3	73.1
11:41:01 PM	56	57.2	55.3	73	56	57.2	55.3	73
11:42:01 PM	59.3	66.7	55.5	79.5	59.3	66.7	55.5	79.6
11:43:01 PM	56.1	57.9	55.3	72.6	56.1	57.9	55.3	72.5
11:44:01 PM	56.5	61	55.2	75.8	56.5	61	55.2	75.7
11:45:01 PM	60.2	70.3	55.5	83.2	60.2	70.3	55.5	83.1
11:46:01 PM	58	63.8	55.4	77.8	58	63.8	55.4	77.8
11:47:01 PM	56.9	59.8	55	74.1	56.9	59.8	55	74
11:48:01 PM	57	60.6	55.4	73.9	57	60.6	55.4	74
11:49:01 PM	57.1	59.5	55.4	72.7	57.1	59.5	55.4	72.6
11:50:01 PM	58.1	65	55.3	78.5	58.1	65	55.3	78.3
11:51:01 PM	56.5	59.7	54.9	73.5	56.5	59.7	54.9	73.5
11:52:01 PM	56.3	58.8	55	74.1	56.3	58.8	55	74.2
11:53:01 PM	59.4	66.5	55.4	78.8	59.4	66.5	55.4	78.9
11:54:01 PM	68.6	80.9	55.6	98.3	68.6	80.9	55.6	98.3
11:55:01 PM	57	66.5	55.1	74	57	66.5	55.1	74

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
11:56:01 PM	55.6	56.5	54.7	72	55.6	56.5	54.7	72.1
11:57:01 PM	56	57.9	54.4	72.9	56	57.9	54.4	72.9
11:58:01 PM	56.3	59.5	54.5	73	56.3	59.5	54.6	72.9
11:59:01 PM	57.4	63.1	54.5	76.6	57.4	63.1	54.5	76.5
7/22/2021 12:00:01 AM	60.4	68.9	55.1	83.2	60.4	68.9	55.1	83.2
12:01:01 AM	55.2	56.4	54.2	71.2	55.2	56.4	54.2	71.3
12:02:01 AM	56.4	60.5	54.6	74.2	56.4	60.5	54.6	74.3
12:03:01 AM	58.2	65.1	54.6	78.2	58.2	65.1	54.6	78.2
12:04:01 AM	57.9	65.3	54.7	79	57.9	65.3	54.7	79
12:05:01 AM	61.8	68.1	55.8	80.5	61.8	68.1	55.8	80.5
12:06:01 AM	57.2	61.5	54.9	74.2	57.1	61.5	54.9	74.4
12:07:01 AM	57.5	61.2	53.4	74.6	57.5	61.2	53.3	74.6
12:08:01 AM	61	68.9	54.2	82.4	61	68.9	54.2	82.4
12:09:01 AM	56.2	61.1	53.8	75.7	56.2	61.1	53.8	75.6
12:10:01 AM	56.8	63.4	53.2	77	56.8	63.5	53.2	77
12:11:01 AM	57.3	65	53	77.6	57.3	65	53	77.6
12:12:01 AM	60	70.5	53.5	83.9	60	70.5	53.5	83.9
12:13:01 AM	55.6	59.1	53.9	72.4	55.6	59.1	53.9	72.4
12:14:01 AM	54.9	59.2	53.6	73	54.9	59.1	53.6	72.9
12:15:01 AM	54.6	56.3	53.8	72	54.6	56.3	53.7	72.3
12:16:01 AM	57.6	61.9	54.4	75.7	57.6	61.9	54.4	75.9
12:17:01 AM	56.8	59.9	54.9	74.4	56.8	59.9	54.9	74.3
12:18:01 AM	57	61.7	55.1	77	57	61.7	55.1	77
12:19:01 AM	56.1	59.7	54.7	73.3	56.1	59.7	54.7	73.2
12:20:01 AM	59.1	71.1	54.2	83.5	59.1	71.1	54.2	83.4
12:21:01 AM	57.5	66.1	54.3	79.3	57.5	66.1	54.3	79.3
12:22:01 AM	56.6	61.7	54.7	75.2	56.6	61.7	54.7	75.3
12:23:01 AM	59.2	68.4	54.7	82.4	59.2	68.4	54.7	82.5
12:24:01 AM	55.5	57.5	54.7	72.5	55.5	57.5	54.7	72.4
12:25:01 AM	57.6	63.4	55.1	76.7	57.6	63.4	55.1	76.7
12:26:01 AM	56.5	59.9	55.1	74.3	56.5	59.9	55.1	74.2
12:27:01 AM	56.3	60.6	54.5	74.4	56.3	60.6	54.5	74.4
12:28:01 AM	56.4	61.2	54.6	74.8	56.4	61.2	54.6	74.9
12:29:01 AM	56.4	60.1	54.8	74.6	56.4	60.1	54.8	74.4
12:30:01 AM	55.9	59.6	54.5	73.3	55.9	59.6	54.5	73.3
12:31:01 AM	59.5	68.8	54.1	82.7	59.5	68.8	54.1	82.8
12:32:01 AM	54.9	56.4	53.7	72.6	54.9	56.4	53.7	72.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
12:33:01 AM	56.1	59.3	54	74.4	56.1	59.3	54	74.3
12:34:01 AM	57.5	65.2	54.3	79	57.5	65.2	54.3	79
12:35:01 AM	56.2	62.8	54.5	77.4	56.2	62.8	54.5	77.4
12:36:01 AM	56.9	62.2	54.8	73.7	56.9	62.2	54.8	73.7
12:37:01 AM	60.4	69.6	56.2	83	60.4	69.6	56.2	83
12:38:01 AM	58.7	63.1	56.7	76.6	58.7	63.1	56.7	76.7
12:39:01 AM	58.4	63.1	56.1	76.1	58.4	63.1	56.1	76.1
12:40:01 AM	61.5	69.3	57	83.6	61.5	69.3	57	83.5
12:41:01 AM	62.3	72.6	56.7	87.7	62.3	72.6	56.7	87.7
12:42:01 AM	58.3	65.2	54.4	78.2	58.3	65.2	54.4	78.2
12:43:01 AM	57.8	62.4	54.1	76	57.8	62.4	54.1	75.9
12:44:01 AM	55.1	56.5	54	72.7	55.1	56.5	54	72.6
12:45:01 AM	56	60.5	53.9	73.9	56	60.5	53.9	73.9
12:46:01 AM	55	56.8	53.9	72.4	55	56.8	53.9	72.5
12:47:01 AM	59.2	68.8	54.3	81.1	59.2	68.8	54.3	81
12:48:01 AM	59.6	68.2	54.1	82.9	59.6	68.2	54.1	82.9
12:49:01 AM	56.1	60	54.6	74.5	56.1	60	54.6	74.6
12:50:01 AM	55.6	58.8	54.2	73.5	55.6	58.8	54.2	73.6
12:51:01 AM	58.1	65.7	54.9	78.5	58.1	65.7	54.9	78.5
12:52:01 AM	57.4	61.5	54.8	76.7	57.4	61.5	54.8	76.8
12:53:01 AM	57.1	63.4	54.6	77.8	57.1	63.4	54.6	77.8
12:54:01 AM	56.2	59.4	54.5	73	56.2	59.4	54.5	73
12:55:01 AM	58.7	65.4	54.6	78.2	58.7	65.4	54.6	78.3
12:56:01 AM	54.5	57.4	53.5	71.9	54.5	57.4	53.5	72
12:57:01 AM	55.6	61.4	53.7	76.4	55.6	61.4	53.7	76.4
12:58:01 AM	56.2	62.7	54	76.1	56.2	62.7	54	76.1
12:59:01 AM	55.7	60.3	54	74.8	55.7	60.3	54	74.8
1:00:01 AM	56.5	61.9	54	76.5	56.5	61.9	54	76.5
1:01:01 AM	56.8	61.9	53.9	76.3	56.8	61.9	53.9	76.2
1:02:01 AM	56.3	59.6	54.7	74.1	56.3	59.6	54.7	74.1
1:03:01 AM	57.9	63.3	54.5	76.8	57.9	63.3	54.5	76.7
1:04:01 AM	56	59.7	54.8	73.4	56	59.7	54.8	73.4
1:05:01 AM	55.8	59.5	53.8	78	55.8	59.5	53.8	77.9
1:06:01 AM	55.3	59	53.7	73.6	55.3	59	53.7	73.7
1:07:01 AM	56.9	61.7	54.5	75.2	56.9	61.7	54.5	75
1:08:01 AM	55.9	58.6	54.7	73.1	55.9	58.6	54.7	73.1
1:09:01 AM	55.4	57.9	53.9	73.9	55.5	57.9	53.9	73.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
1:10:01 AM	56.2	61.2	53.8	75.3	56.2	61.2	53.8	75.2
1:11:01 AM	59	69.1	54.2	83.4	59	69.1	54.2	83.3
1:12:01 AM	59.4	67.4	54.3	80.3	59.4	67.4	54.4	80.2
1:13:01 AM	56	62.1	54.2	79.8	56	62.1	54.2	79.7
1:14:01 AM	59.2	69.8	54.2	83	59.2	69.8	54.2	83
1:15:01 AM	56.2	59.3	54.5	74	56.2	59.3	54.5	74
1:16:01 AM	58.1	64.1	54.2	78.2	58.1	64.1	54.2	78.2
1:17:01 AM	55.5	58.7	54.1	73.7	55.5	58.7	54.1	73.6
1:18:01 AM	55.2	58	53.9	72.4	55.2	58	53.9	72.5
1:19:01 AM	55.3	62.1	53.8	75.7	55.3	62.1	53.8	75.7
1:20:01 AM	58.3	67	54	81.6	58.3	67	54	81.6
1:21:01 AM	54.9	56	54	71.8	54.9	56	54	72.1
1:22:01 AM	55.6	59.3	54	73.5	55.6	59.3	54	73.3
1:23:01 AM	56.1	60.2	54.1	73.7	56.1	60.2	54.1	73.8
1:24:01 AM	55.2	57.7	54.1	72.1	55.2	57.7	54.1	72
1:25:01 AM	55.4	57.3	53.9	72.1	55.4	57.3	53.9	72
1:26:01 AM	58.8	68.6	54.4	81.9	58.8	68.6	54.4	82
1:27:01 AM	56.9	62	54.4	75.4	56.9	62	54.4	75.2
1:28:01 AM	57.5	64.4	54.3	78.1	57.5	64.4	54.3	78.1
1:29:01 AM	55.3	57.9	54	72.2	55.3	57.9	54	72.1
1:30:01 AM	61.9	73.4	54	85.5	61.9	73.4	54	85.5
1:31:01 AM	56.2	62.1	51.8	75.4	56.3	62.1	51.8	75.3
1:32:01 AM	53.5	55.7	51.8	72.8	53.5	55.7	51.8	72.9
1:33:01 AM	58.1	67.3	53.6	80.9	58.1	67.3	53.6	80.8
1:34:01 AM	61.6	71.1	54.8	85.5	61.6	71.1	54.8	85.6
1:35:01 AM	59.3	69.3	54.2	82.2	59.3	69.3	54.2	82.2
1:36:01 AM	56.8	62.7	53.9	77	56.8	62.7	53.9	77
1:37:01 AM	57.3	62.5	54	77.7	57.3	62.5	54	77.7
1:38:01 AM	57.2	62.5	54.3	76.2	57.2	62.5	54.3	76.2
1:39:01 AM	56.8	61.8	54.2	75.3	56.8	61.8	54.2	75.4
1:40:01 AM	64	72.3	55.5	86.2	64	72.3	55.5	86.3
1:41:01 AM	56.3	58.9	54.5	73.6	56.3	58.9	54.5	73.6
1:42:01 AM	56.7	60.4	54.6	74.4	56.7	60.4	54.6	74.3
1:43:01 AM	59.1	65.3	54.8	79.5	59.1	65.3	54.8	79.5
1:44:01 AM	60.7	66.5	55.6	79.9	60.7	66.5	55.6	79.9
1:45:01 AM	57.1	61.1	55.3	74.8	57.2	61.1	55.3	74.8
1:46:01 AM	58.4	63.8	55.4	78.2	58.4	63.8	55.4	78.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
1:47:01 AM	57.1	60.8	55.2	74.6	57.1	60.8	55.2	74.7
1:48:01 AM	55.9	58.6	54.5	74	55.9	58.6	54.5	73.9
1:49:01 AM	57.8	64.7	54.8	78	57.8	64.7	54.8	77.9
1:50:01 AM	57.5	65.7	54.8	80.9	57.5	65.7	54.8	80.9
1:51:01 AM	58.2	67.1	54.2	81.1	58.2	67.1	54.2	81.1
1:52:01 AM	56.9	65.4	54	79.3	56.9	65.4	54	79.2
1:53:01 AM	55.9	59	54.3	74.1	55.9	59	54.3	74
1:54:01 AM	59.7	68.6	53.7	83	59.7	68.6	53.7	83
1:55:01 AM	55.5	58.1	54.2	73.3	55.5	58.1	54.3	73.2
1:56:01 AM	55	58.4	53.5	74	55	58.4	53.5	74
1:57:01 AM	55.5	58.5	54	72.7	55.5	58.5	54	72.7
1:58:01 AM	55.6	58.7	54.2	72.5	55.6	58.8	54.2	72.6
1:59:01 AM	55.5	61.4	54	75	55.5	61.4	54	75.1
2:00:01 AM	54.7	56.5	53.3	71.6	54.7	56.5	53.3	71.4
2:01:01 AM	55.1	56.4	54.2	72.1	55.1	56.4	54.2	71.9
2:02:01 AM	56.9	62.9	54.2	76.2	56.9	62.9	54.2	76.1
2:03:01 AM	59.7	66.5	56.5	80.1	59.7	66.5	56.5	80
2:04:01 AM	57.4	62.6	55	76.3	57.4	62.6	55	76.2
2:05:01 AM	60.8	65.9	55.1	79.6	60.8	65.9	55.1	79.7
2:06:01 AM	61	68	57	81.7	61	68	57	81.6
2:07:01 AM	58.3	59.9	56.7	74.5	58.3	59.9	56.8	74.5
2:08:01 AM	57.2	58.6	54.9	72.5	57.2	58.6	54.9	72.5
2:09:01 AM	59.6	67.4	53.8	79.8	59.6	67.4	53.8	79.8
2:10:01 AM	57.9	62.9	54.3	77.2	57.9	62.9	54.3	77.2
2:11:01 AM	56.1	60.3	53.4	74.6	56.1	60.3	53.4	74.7
2:12:01 AM	56.4	63	53.7	76.9	56.4	63	53.7	76.9
2:13:01 AM	56.1	61	52.4	75.5	56.1	61	52.4	75.4
2:14:01 AM	55.5	59.7	52.9	73.4	55.5	59.7	52.9	73.4
2:15:01 AM	57	67	53	80.2	57	67	53	80.2
2:16:01 AM	60.2	68.9	53.9	83.3	60.2	68.9	53.9	83.3
2:17:01 AM	59	65.6	53.8	79.6	59	65.6	53.8	79.5
2:18:01 AM	55.9	59.7	54	73.2	55.9	59.7	54	73.1
2:19:01 AM	59.6	69.2	53.8	83.2	59.6	69.2	53.8	83.2
2:20:01 AM	59.7	68.7	54.5	82.2	59.7	68.7	54.5	82.2
2:21:01 AM	54.2	55.9	53.1	72.9	54.2	55.9	53.1	72.7
2:22:01 AM	55.5	61.1	53.5	76.6	55.5	61.1	53.6	76.6
2:23:01 AM	63.8	72.1	54.7	86.8	63.8	72.1	54.7	86.7

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
2:24:01 AM	59.1	67.7	54.4	81.5	59.1	67.7	54.4	81.6
2:25:01 AM	56.1	59.4	53.7	73.9	56.1	59.4	53.7	73.7
2:26:01 AM	54.9	58	53.6	73.3	54.9	58	53.6	73.2
2:27:01 AM	54.9	58.6	53.3	72	54.9	58.6	53.3	72
2:28:01 AM	59.6	66.8	54.3	82.9	59.6	66.8	54.3	82.9
2:29:01 AM	56	59	54.4	72.5	56	59	54.4	72.6
2:30:01 AM	65.1	74.1	53.3	88.4	65.1	74.1	53.3	88.4
2:31:01 AM	54.9	57.9	53.1	71.3	54.9	57.9	53.1	71.2
2:32:01 AM	54.9	56.9	53.4	71.5	54.9	56.9	53.4	71.7
2:33:01 AM	55.5	59.9	53.9	73	55.5	59.9	53.9	73
2:34:01 AM	55.6	59.5	54.2	72.8	55.6	59.5	54.3	72.8
2:35:01 AM	55.8	58.5	53.6	72.4	55.8	58.5	53.6	72.5
2:36:01 AM	56.7	61.4	53.6	74.5	56.7	61.4	53.6	74.6
2:37:01 AM	57.9	64.7	53.4	80.5	57.9	64.7	53.4	80.4
2:38:01 AM	57.7	64.4	54.5	77.6	57.7	64.4	54.5	77.6
2:39:01 AM	61	70.3	54.6	83.6	61	70.3	54.6	83.6
2:40:01 AM	60.2	67	55.1	81.3	60.2	67	55.1	81.2
2:41:01 AM	59	67.8	54.4	81	59	67.8	54.4	80.9
2:42:01 AM	57.1	63.1	54.1	76.4	57.1	63.1	54.1	76.4
2:43:01 AM	58.2	66.8	54.4	78.5	58.2	66.9	54.4	78.5
2:44:01 AM	57.3	61.8	55	75.7	57.3	61.8	55	75.6
2:45:01 AM	58.3	65.6	54.6	78.2	58.3	65.6	54.6	78.2
2:46:01 AM	55.8	57.3	54.6	71.9	55.8	57.3	54.6	71.9
2:47:01 AM	60.6	69.6	55.3	82	60.6	69.6	55.3	82
2:48:01 AM	67.4	77.9	54.3	92.2	67.4	77.9	54.3	92.2
2:49:01 AM	58.7	65.6	51.6	79	58.7	65.6	51.6	79
2:50:01 AM	56.9	62.5	52.4	76.9	56.9	62.5	52.4	76.9
2:51:01 AM	56.8	63.7	52.7	77.1	56.8	63.7	52.7	77.1
2:52:01 AM	56.9	65.6	52.2	78.8	56.9	65.6	52.2	78.9
2:53:01 AM	53.9	56	51.9	70	53.9	56.1	51.9	69.9
2:54:01 AM	57.2	63.8	52.5	77.6	57.2	63.8	52.5	77.7
2:55:01 AM	55	60.4	52.9	73.8	55	60.4	52.9	73.8
2:56:01 AM	55	62.3	52.8	76.2	55	62.3	52.8	76.2
2:57:01 AM	54.8	62.2	53.3	71.5	54.8	62.2	53.3	71.6
2:58:01 AM	55.1	59.9	52.7	74.2	55.1	59.9	52.7	74.1
2:59:01 AM	55.9	60	52.8	73.4	55.9	60	52.8	73.3
3:00:01 AM	55.7	62.7	52.5	75.7	55.7	62.7	52.5	75.7

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:01:01 AM	54.3	60.5	51.9	75.1	54.3	60.5	51.9	75.1
3:02:01 AM	53.2	56.1	51.7	69.7	53.2	56.1	51.7	69.8
3:03:01 AM	55.8	60.5	52.6	74.1	55.8	60.5	52.7	74.2
3:04:01 AM	78.9	89.9	53.4	103.1	78.9	89.9	53.4	103.1
3:05:01 AM	61.8	70	53.2	84	61.8	70	53.2	84
3:06:01 AM	56	64.5	52.4	73.5	56	64.5	52.4	73.5
3:07:01 AM	58.3	65.1	53.8	77.4	58.3	65.1	53.8	77.4
3:08:01 AM	54.2	56	53.1	72	54.2	56	53.1	72.2
3:09:01 AM	54.4	56.6	53.2	72.1	54.4	56.6	53.2	72.1
3:10:01 AM	58.4	64	53.7	77	58.4	64	53.7	77
3:11:01 AM	54.6	59.5	52.8	72.6	54.6	59.5	52.9	72.6
3:12:01 AM	59.5	64.6	54	79.4	59.5	64.6	54	79.4
3:13:01 AM	55.1	60	52.9	74	55.1	60	52.9	73.9
3:14:01 AM	61	68.4	53.4	83.2	61	68.4	53.4	83.2
3:15:01 AM	54.4	58.4	53.1	73.3	54.4	58.4	53.1	73.3
3:16:01 AM	54.7	58.9	52.6	74.3	54.7	58.9	52.6	74.3
3:17:01 AM	58.1	66.7	52.5	80.3	58.1	66.7	52.5	80.3
3:18:01 AM	57.5	66.1	52.3	78.9	57.5	66.1	52.3	78.9
3:19:01 AM	54.4	60.5	52	73.8	54.4	60.5	52	73.8
3:20:01 AM	54.3	57.9	52.2	71.5	54.3	57.9	52.2	71.4
3:21:01 AM	56.7	62.8	52.2	75.8	56.7	62.8	52.2	75.8
3:22:01 AM	57.6	67.2	52.1	81	57.6	67.2	52.1	81.1
3:23:01 AM	62.5	75	52.5	87.6	62.5	75	52.5	87.7
3:24:01 AM	56.8	65.7	52.7	79.7	56.8	65.7	52.7	79.7
3:25:01 AM	56.4	61.6	52.4	76	56.4	61.6	52.4	75.9
3:26:01 AM	58.6	67.8	53	81.5	58.6	67.8	53	81.5
3:27:01 AM	56.3	62.5	52.7	76.4	56.3	62.5	52.7	76.3
3:28:01 AM	57.7	65.1	52.7	79.6	57.7	65.1	52.7	79.6
3:29:01 AM	58.4	68.7	52.9	81.3	58.4	68.7	52.9	81.4
3:30:01 AM	58.2	65.4	52.6	78.8	58.2	65.4	52.6	78.7
3:31:01 AM	54.8	58.1	52.8	72.3	54.8	58.1	52.8	72.1
3:32:01 AM	55.1	58.3	52.9	71.7	55.1	58.3	52.9	71.8
3:33:01 AM	59.5	68.9	53.1	82.1	59.5	68.9	53.1	82.1
3:34:01 AM	57.8	66.2	52	79.7	57.8	66.2	52	79.7
3:35:01 AM	57	63.7	52.9	77	57	63.7	52.9	76.9
3:36:01 AM	55	59.9	52.1	73.1	55	59.9	52.1	73.2
3:37:01 AM	58.9	67.9	52	81.7	59	67.9	52	81.7

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:38:01 AM	55.5	63.1	52.4	76.7	55.5	63.1	52.4	76.7
3:39:01 AM	56.9	62.8	51.9	74.6	56.9	62.8	51.9	74.5
3:40:01 AM	54.8	59	52	74.2	54.8	59	52.1	74.1
3:41:01 AM	55.7	60.2	52.2	73.5	55.7	60.2	52.2	73.6
3:42:01 AM	57.5	64.8	52.4	79.6	57.5	64.9	52.4	79.6
3:43:01 AM	54.4	60.4	51.5	72.9	54.4	60.4	51.5	72.9
3:44:01 AM	57.8	65.2	52.1	77.8	57.8	65.2	52.1	77.8
3:45:01 AM	55.9	61.5	51.8	74.4	55.9	61.5	51.8	74.6
3:46:01 AM	56.5	64.2	52.7	76.6	56.5	64.3	52.7	76.5
3:47:01 AM	57.3	60.8	54.1	75.7	57.3	60.8	54.1	75.8
3:48:01 AM	57.1	61.9	52.1	75.1	57.1	61.9	52.1	75
3:49:01 AM	53.9	60	51.4	74.9	53.9	60	51.4	75.1
3:50:01 AM	54.8	58.8	51.6	72.9	54.8	58.8	51.6	72.7
3:51:01 AM	57.7	67.2	51.8	80.1	57.7	67.2	51.8	80.2
3:52:01 AM	55.6	62.3	52.4	73.5	55.6	62.3	52.4	73.5
3:53:01 AM	56.9	62.2	52.7	75.3	56.9	62.2	52.7	75.3
3:54:01 AM	58.1	66.9	51.1	81.8	58.1	66.9	51.1	81.8
3:55:01 AM	57.4	67.4	51.8	79.9	57.4	67.4	51.8	79.9
3:56:01 AM	57	64.9	51.7	77.8	57	64.9	51.7	77.8
3:57:01 AM	59.2	69.1	52.3	82.7	59.2	69.1	52.3	82.6
3:58:01 AM	60.4	71.2	51	83.9	60.3	71.2	51	83.9
3:59:01 AM	54.5	59.1	50.6	73.4	54.5	59.1	50.6	73.4
4:00:01 AM	54.1	61	51.3	75.4	54.1	61	51.3	75.5
4:01:01 AM	64.4	73.2	50.6	86.7	64.4	73.2	50.6	86.7
4:02:01 AM	58.8	66.1	51.9	79.9	58.8	66.1	51.9	79.9
4:03:01 AM	57.8	64.3	52.4	78.1	57.8	64.3	52.4	78.1
4:04:01 AM	58.4	66.8	49.7	80	58.4	66.8	49.7	80
4:05:01 AM	59	68.5	49.9	81.4	59	68.5	49.9	81.4
4:06:01 AM	81.2	93.2	57.1	106.5	81.2	93.2	57.1	106.5
4:07:01 AM	63	67.2	60.9	80.3	63	67.2	60.9	80.3
4:08:01 AM	69.4	76.3	61.8	89.6	69.4	76.3	61.8	89.6
4:09:01 AM	62.7	68.7	54.9	85.9	62.7	68.7	54.9	85.9
4:10:01 AM	59.5	66.6	52	80.7	59.5	66.6	52	80.7
4:11:01 AM	60.7	67.7	50.9	80.5	60.7	67.7	50.9	80.5
4:12:01 AM	56.3	63.8	50.5	76.6	56.3	63.8	50.5	76.6
4:13:01 AM	52.9	59	49.6	73.1	52.9	58.9	49.6	73.1
4:14:01 AM	57.9	65.7	52.6	79	57.9	65.7	52.6	78.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
4:15:01 AM	53.4	58.7	50.9	72.8	53.4	58.7	50.9	72.8
4:16:01 AM	57.7	66	51.4	80.3	57.7	66	51.4	80.3
4:17:01 AM	53.8	60.2	49.7	74.3	53.9	60.2	49.7	74.2
4:18:01 AM	57	60.9	51.7	74.3	57	60.9	51.7	74.3
4:19:01 AM	54.9	60.1	50.8	73.1	54.9	60.1	50.8	73.1
4:20:01 AM	58.6	66.6	51.2	80.3	58.6	66.6	51.2	80.2
4:21:01 AM	57.5	66.8	50.9	81.1	57.5	66.8	50.9	81.1
4:22:01 AM	59.3	66.9	50.7	79.6	59.3	66.9	50.7	79.6
4:23:01 AM	55.3	60.6	49.6	73.6	55.3	60.6	49.6	73.5
4:24:01 AM	56.8	63.3	50.5	76.5	56.8	63.3	50.5	76.6
4:25:01 AM	57.2	65.6	50.7	78.6	57.2	65.6	50.7	78.6
4:26:01 AM	61.1	71.7	50.9	85.6	61.1	71.6	50.9	85.6
4:27:01 AM	56.9	64.1	50.6	76.5	56.9	64.1	50.6	76.5
4:28:01 AM	58.2	65.7	50.8	78.1	58.2	65.7	50.8	78.1
4:29:01 AM	54.8	58.9	49.4	72.8	54.8	58.9	49.4	72.8
4:30:01 AM	66.4	76.8	51.1	88.1	66.4	76.8	51.1	88.1
4:31:01 AM	60.5	71.6	51.6	87.3	60.5	71.6	51.6	87.3
4:32:01 AM	58.6	64.9	49.6	77.7	58.6	64.9	49.7	77.7
4:33:01 AM	58.2	67	48.1	80.5	58.2	67	48.2	80.5
4:34:01 AM	59	68.1	49.4	81.8	59	68.1	49.4	81.7
4:35:01 AM	56.3	61.7	50.7	74.4	56.3	61.7	50.7	74.5
4:36:01 AM	58.7	66.3	50.7	82.5	58.7	66.3	50.7	82.5
4:37:01 AM	59.8	68.7	50.2	87.6	59.8	68.7	50.2	87.6
4:38:01 AM	58.1	66.3	50.3	79.4	58.1	66.3	50.3	79.4
4:39:01 AM	56.9	66.4	50.9	77.6	56.9	66.4	50.9	77.7
4:40:01 AM	60.1	67	51.5	80.2	60.1	67	51.5	80.2
4:41:01 AM	53.7	63.7	48.2	77.8	53.7	63.7	48.2	77.9
4:42:01 AM	60	66.4	49.8	79.5	60	66.4	49.8	79.4
4:43:01 AM	58.8	66.7	51.8	80	58.8	66.7	51.8	79.9
4:44:01 AM	61.7	71.3	51.6	84.6	61.7	71.3	51.6	84.6
4:45:01 AM	58.2	62.8	53.7	76.1	58.2	62.8	53.7	76
4:46:01 AM	57.7	62.3	52.4	75.8	57.7	62.3	52.4	75.8
4:47:01 AM	58.5	63.4	51.1	76.9	58.5	63.4	51.1	76.9
4:48:01 AM	56.7	63.6	51.1	78.8	56.7	63.6	51.1	78.8
4:49:01 AM	61.1	68.3	49.9	82.5	61.1	68.3	49.9	82.6
4:50:01 AM	60.7	68.4	52.1	80.4	60.7	68.4	52.2	80.5
4:51:01 AM	57.2	64	49.1	76.3	57.2	64	49.1	76.3

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
4:52:01 AM	67.2	79	49.1	90.9	67.2	79	49.1	91
4:53:01 AM	79.9	89.4	64.1	102	79.9	89.4	64.1	102
4:54:01 AM	64.6	67.8	60.2	81.9	64.6	67.8	60.2	81.9
4:55:01 AM	62.8	64.4	59.9	78.5	62.8	64.4	59.9	78.5
4:56:01 AM	63.6	66.4	61.9	80	63.6	66.4	61.9	80
4:57:01 AM	62.1	65.9	51.8	79.3	62.1	65.9	51.8	79.3
4:58:01 AM	57.5	66.6	51.9	80.2	57.5	66.6	51.9	80.2
4:59:01 AM	56	64.9	50.7	73.2	56	64.9	50.7	73.2
5:00:01 AM	56.9	65	47.9	78.9	56.9	65	47.9	78.9
5:01:01 AM	51	56.2	46.7	71.2	51	56.2	46.7	71.1
5:02:01 AM	58.2	63.3	51	78.1	58.2	63.3	51	78.1
5:03:01 AM	60.9	69.5	49.9	83.7	60.9	69.5	49.9	83.7
5:04:01 AM	59.4	63.3	52	77.7	59.4	63.3	52	77.7
5:05:01 AM	58.5	69.4	48.2	83.4	58.5	69.4	48.2	83.4
5:06:01 AM	61.5	70	49.1	83.8	61.5	70	49.1	83.8
5:07:01 AM	59	65.8	48.8	80	59	65.8	48.8	80
5:08:01 AM	56.7	62	47.8	77.3	56.7	62	47.8	77.4
5:09:01 AM	54.3	58.8	49.6	75.8	54.3	58.8	49.7	75.8
5:10:01 AM	52	57.8	48.8	71.2	52	57.8	48.8	71.3
5:11:01 AM	58.3	67.2	49.7	80.9	58.3	67.2	49.7	80.8
5:12:01 AM	57.7	67.2	50.9	78.9	57.7	67.2	50.9	78.9
5:13:01 AM	53.2	60	48.5	73	53.2	60	48.5	73
5:14:01 AM	56.5	62.8	50	74.8	56.5	62.8	50	74.6
5:15:01 AM	61	66.4	52.7	81	61	66.4	52.7	81
5:16:01 AM	51.9	58.1	46.3	72.1	51.9	58.1	46.3	72.2
5:17:01 AM	58.6	65.9	47.7	79.1	58.6	65.9	47.7	79
5:18:01 AM	63	69.7	54.5	82.8	63	69.7	54.5	82.7
5:19:01 AM	58	69.4	47.6	81.5	58	69.4	47.6	81.6
5:20:01 AM	59.6	65.3	47.7	77.9	59.6	65.3	47.7	77.9
5:21:01 AM	59.6	64.3	51.3	77.3	59.6	64.3	51.3	77.4
5:22:01 AM	57.3	63.9	49	78.1	57.3	63.9	49.1	78.1
5:23:01 AM	55.5	62.2	47.9	74.5	55.5	62.2	47.9	74.5
5:24:01 AM	61.6	66.8	50.7	80.3	61.6	66.8	50.7	80.3
5:25:01 AM	55.9	62.5	50.5	76.6	55.9	62.5	50.5	76.6
5:26:01 AM	57.8	62.9	50.3	76.5	57.8	62.9	50.3	76.5
5:27:01 AM	64.6	71	55.5	83.8	64.6	71	55.5	83.8
5:28:01 AM	79.5	88.7	63.2	103.1	79.5	88.7	63.2	103.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
5:29:01 AM	64.3	67.2	61.8	80.3	64.3	67.2	61.8	80.2
5:30:01 AM	66.5	70.6	62	83.7	66.5	70.6	62	83.7
5:31:01 AM	58.3	63.3	54.3	76.8	58.3	63.3	54.3	76.9
5:32:01 AM	60	66.7	50.9	79.4	60	66.7	50.9	79.4
5:33:01 AM	61.5	65.5	55.1	79.1	61.5	65.5	55.1	79.1
5:34:01 AM	56.3	62.2	48.3	76.9	56.3	62.2	48.3	76.9
5:35:01 AM	57	65.6	49.8	82.1	57	65.6	49.8	82.1
5:36:01 AM	63.1	67.5	56.7	80	63.1	67.5	56.7	80
5:37:01 AM	62	71.8	50.6	87	62	71.8	50.6	87
5:38:01 AM	57.4	62	52.2	75.6	57.4	62	52.2	75.7
5:39:01 AM	63.3	67.9	59.2	81	63.2	67.9	59.2	81
5:40:01 AM	59.7	65.6	50.3	79.1	59.7	65.6	50.3	79.2
5:41:01 AM	62	70	52.8	84.7	62	70	52.8	84.8
5:42:01 AM	63.5	67.2	59.8	78.9	63.5	67.2	59.8	78.9
5:43:01 AM	62.3	69.6	50.3	83.2	62.3	69.6	50.3	83.2
5:44:01 AM	59.9	68	50.5	82.2	59.9	68	50.5	82.2
5:45:01 AM	63.2	68.6	53.6	81.2	63.2	68.6	53.6	81.2
5:46:01 AM	62.2	69.4	52.9	82.6	62.2	69.4	52.9	82.6
5:47:01 AM	59.1	68.5	53.6	82	59.1	68.5	53.6	82
5:48:01 AM	64.1	70.1	54.7	84	64.1	70.1	54.7	84
5:49:01 AM	65.3	74.3	52.4	87.4	65.3	74.3	52.4	87.4
5:50:01 AM	61.3	68.2	52.5	80.2	61.3	68.2	52.5	80.2
5:51:01 AM	64.8	70.5	58	82.9	64.8	70.5	58	82.9
5:52:01 AM	60.1	68.8	49.3	82.2	60.1	68.8	49.3	82.2
5:53:01 AM	59.3	64.5	52.9	77.1	59.3	64.5	52.9	77
5:54:01 AM	64.7	68.9	62.4	82	64.7	68.9	62.4	82
5:55:01 AM	62.3	68.4	52.3	82	62.3	68.4	52.3	82
5:56:01 AM	57.5	63.2	51.3	78.1	57.5	63.2	51.3	78
5:57:01 AM	63.9	69	59.6	84.1	63.9	69	59.6	84.1
5:58:01 AM	60.8	69.2	54.8	83	60.8	69.2	54.8	83
5:59:01 AM	59.2	67.1	52.4	78.7	59.2	67.1	52.5	78.6
6:00:01 AM	63.4	66.9	57	79.9	63.4	66.9	57	79.9
6:01:01 AM	57.7	63.3	52.8	76.3	57.7	63.3	52.8	76.3
6:02:01 AM	55.4	62.4	49.2	77	55.4	62.4	49.2	76.9
6:03:01 AM	64	68	59.8	80.3	64	68	59.8	80.4
6:04:01 AM	58.3	62	52.4	78.2	58.3	62	52.4	78.2
6:05:01 AM	57.3	64.1	51.6	77.2	57.3	64.1	51.6	77.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
6:06:01 AM	63.4	67.2	59.4	80.4	63.4	67.2	59.4	80.4
6:07:01 AM	59.7	67.5	51.3	80.6	59.7	67.5	51.3	80.6
6:08:01 AM	60.2	65.1	54.4	78.5	60.2	65.1	54.4	78.6
6:09:01 AM	63.4	66.8	61.6	81.6	63.4	66.8	61.6	81.7
6:10:01 AM	61	64.3	57.1	77.9	61	64.3	57.1	77.9
6:11:01 AM	62.3	66.5	59.2	80	62.3	66.5	59.2	80
6:12:01 AM	65.5	70	61	84.2	65.5	70	61	84.2
6:13:01 AM	62.3	65.7	55.9	80.4	62.3	65.7	55.9	80.3
6:14:01 AM	62.6	66.3	59.9	81.2	62.6	66.3	59.9	81.2
6:15:01 AM	65	70.5	60.5	83.6	65	70.5	60.5	83.6
6:16:01 AM	62.7	67.6	56.1	81.4	62.7	67.6	56.1	81.4
6:17:01 AM	61.1	68.9	56.6	81.7	61.1	68.9	56.6	81.7
6:18:01 AM	65.5	69.3	60.6	82.7	65.5	69.3	60.6	82.7
6:19:01 AM	63.8	67.8	60.6	84	63.8	67.8	60.6	83.9
6:20:01 AM	62.5	66.1	59.5	79.5	62.5	66.1	59.5	79.5
6:21:01 AM	66.2	74.7	61.2	90.7	66.2	74.7	61.2	90.7
6:22:01 AM	66.2	73.9	62.2	87.5	66.2	73.9	62.2	87.4
6:23:01 AM	62.3	69.1	55	82.6	62.3	69.1	55	82.7
6:24:01 AM	64.2	68.1	61	81	64.2	68.1	61	81
6:25:01 AM	61.7	67	59	79.9	61.7	67	59	79.9
6:26:01 AM	62.1	69.3	54.7	82.5	62.1	69.3	54.7	82.5
6:27:01 AM	65.2	69.2	60	83.1	65.2	69.2	60	83.1
6:28:01 AM	61.6	64.7	52.8	78.4	61.6	64.7	52.8	78.2
6:29:01 AM	60.3	67.2	52.9	82.2	60.3	67.2	52.9	82.3
6:30:01 AM	65.6	72.6	59.7	84.1	65.6	72.6	59.7	84.2
6:31:01 AM	61.5	67	55	80.2	61.5	67	55	80.2
6:32:01 AM	61.9	70.2	53.5	84	61.9	70.2	53.5	84.1
6:33:01 AM	65.2	71.5	59.9	82.9	65.2	71.5	59.9	83
6:34:01 AM	60.8	66.3	51.5	80.7	60.8	66.3	51.5	80.6
6:35:01 AM	59.2	65.9	51.8	80.7	59.2	65.9	51.8	80.7
6:36:01 AM	63.4	68.3	58.2	82.6	63.4	68.3	58.2	82.6
6:37:01 AM	61.7	67.2	55.9	80.4	61.7	67.2	55.9	80.4
6:38:01 AM	59.5	67.3	51.7	80.3	59.5	67.3	51.7	80.2
6:39:01 AM	63.8	69.5	58.2	82.8	63.8	69.5	58.2	82.8
6:40:01 AM	61.9	70.3	51	81.5	61.9	70.3	51	81.4
6:41:01 AM	57.7	64.3	49.3	77.6	57.7	64.3	49.3	77.5
6:42:01 AM	64	67.9	57.5	81.6	64	67.9	57.5	81.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
6:43:01 AM	63.1	72.5	52.2	88.8	63.1	72.5	52.2	88.8
6:44:01 AM	59.4	66.9	52.9	80.3	59.4	66.9	52.9	80.3
6:45:01 AM	63.9	69.8	58	83.9	63.9	69.8	58	83.9
6:46:01 AM	59.8	63.8	50.5	78.1	59.8	63.8	50.6	78
6:47:01 AM	56.9	62.8	50.2	76.7	56.9	62.8	50.2	76.8
6:48:01 AM	63.8	70.5	57.1	82.5	63.8	70.5	57.1	82.4
6:49:01 AM	62.9	69.7	59.6	83.8	62.9	69.7	59.6	83.7
6:50:01 AM	62.1	68.9	53.9	81.2	62.1	68.9	54	81.2
6:51:01 AM	62.3	67.6	58.1	82.4	62.3	67.6	58.1	82.4
6:52:01 AM	67.4	74.8	59.1	88	67.4	74.8	59.1	88
6:53:01 AM	57.7	63.6	50.7	75.9	57.7	63.6	50.7	76
6:54:01 AM	64.9	72	59.4	85.6	64.9	71.9	59.4	85.6
6:55:01 AM	61.5	66.9	52	80.1	61.5	66.9	52	80.2
6:56:01 AM	58.7	65.6	52.5	80.6	58.7	65.6	52.5	80.6
6:57:01 AM	65	70	57.6	82.9	65	70	57.6	82.9
6:58:01 AM	63.3	71.3	57.7	84.8	63.3	71.3	57.7	84.8
6:59:01 AM	58.9	66.7	52.9	80.4	58.9	66.7	52.9	80.4
7:00:01 AM	63.7	68.3	60.1	82.8	63.7	68.3	60.1	82.8
7:01:01 AM	63.2	68.2	52.7	81	63.2	68.2	52.7	81.1
7:02:01 AM	57	65.9	52.6	79	57	65.9	52.6	79.1
7:03:01 AM	64	67.7	58.8	81.2	64	67.7	58.8	81.1
7:04:01 AM	59.5	67.1	53	79.9	59.5	67.1	53	79.8
7:05:01 AM	59.9	66.5	51.6	79.1	59.9	66.5	51.6	79.1
7:06:01 AM	66.5	77.7	56.6	92.2	66.5	77.7	56.6	92.2
7:07:01 AM	59.9	67.9	52	82.4	59.9	67.9	52	82.4
7:08:01 AM	59	63	52	77.1	59	63	52	77.2
7:09:01 AM	77.2	88.1	57.7	101	77.2	88.1	57.7	101
7:10:01 AM	63.7	72.1	52.6	84.2	63.7	72.1	52.6	84.2
7:11:01 AM	59.7	68.3	52.2	81.3	59.7	68.3	52.2	81.3
7:12:01 AM	65.3	71.9	58	85.2	65.3	71.9	58	85.2
7:13:01 AM	63.6	70.3	55.8	84.2	63.6	70.3	55.8	84.2
7:14:01 AM	60.2	64	55.4	77.6	60.2	64	55.4	77.6
7:15:01 AM	63.7	68.3	58.7	82.5	63.7	68.3	58.6	82.5
7:16:01 AM	61.3	68.2	51.8	81	61.3	68.2	51.8	81.1
7:17:01 AM	56.5	60.4	50.3	74.7	56.5	60.4	50.3	74.6
7:18:01 AM	63.5	67.4	57.4	80.9	63.5	67.4	57.4	81
7:19:01 AM	63.9	69.1	55	84.4	63.9	69.1	54.9	84.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7:20:01 AM	63	69.2	54.9	83.4	63	69.2	54.9	83.4
7:21:01 AM	64.1	72.6	56.4	87.1	64.1	72.6	56.4	87.1
7:22:01 AM	63	69	50.6	83.5	63	69	50.6	83.4
7:23:01 AM	60.6	68.2	50	82.4	60.6	68.2	50	82.5
7:24:01 AM	65.4	70.4	59.2	83.2	65.4	70.4	59.1	83.2
7:25:01 AM	61.5	67	52.3	80.2	61.5	67	52.3	80.2
7:26:01 AM	57.5	62.6	51	76.3	57.5	62.6	51	76.4
7:27:01 AM	66	74.4	59.6	88.2	66	74.4	59.6	88.2
7:28:01 AM	60.8	67.9	54.3	81.6	60.8	67.9	54.3	81.5
7:29:01 AM	62.6	72.6	54.7	86.4	62.6	72.6	54.7	86.4
7:30:01 AM	63.4	69.1	56.7	81.8	63.4	69.1	56.7	81.7
7:31:01 AM	64.3	72.5	53.9	86.8	64.2	72.5	53.9	86.8
7:32:01 AM	56.5	60.2	53.3	72.7	56.5	60.2	53.3	72.8
7:33:01 AM	63.6	70.2	56.3	82.7	63.6	70.2	56.3	82.7
7:34:01 AM	64.6	73.8	51.4	86.5	64.6	73.8	51.4	86.5
7:35:01 AM	60.5	67.9	51.2	81.9	60.5	67.9	51.3	81.8
7:36:01 AM	64.3	69.7	59.5	83.2	64.3	69.7	59.5	83.2
7:37:01 AM	62.4	66	55.4	79.2	62.4	66	55.4	79.2
7:38:01 AM	56.8	60.5	51.3	74.5	56.8	60.5	51.3	74.5
7:39:01 AM	63.8	68.9	58.6	82.6	63.8	68.9	58.6	82.6
7:40:01 AM	63.2	70.7	58.3	83.6	63.2	70.7	58.3	83.5
7:41:01 AM	64.3	74.1	54.6	88.2	64.3	74.1	54.6	88.2
7:42:01 AM	67.3	75.8	59.3	89.2	67.3	75.8	59.3	89.2
7:43:01 AM	63.5	69.9	52.1	82.2	63.5	69.9	52.1	82.2
7:44:01 AM	57.9	64.8	53.1	78.6	57.9	64.8	53.1	78.5
7:45:01 AM	63.4	69.9	58.6	84.4	63.4	69.8	58.6	84.3
7:46:01 AM	62.2	66.1	55.4	79.8	62.2	66.1	55.4	79.8
7:47:01 AM	62.2	73.1	52.5	85.7	62.2	73.1	52.5	85.7
7:48:01 AM	65.3	72	58.1	85.1	65.3	72	58.1	85.1
7:49:01 AM	62.5	67.7	56.9	82.4	62.5	67.7	56.9	82.3
7:50:01 AM	59.2	64.3	53.7	77.8	59.2	64.3	53.7	77.7
7:51:01 AM	66	74.3	58.3	87.2	66	74.3	58.3	87.3
7:52:01 AM	67.9	76.7	52.6	89.5	67.9	76.7	52.6	89.5
7:53:01 AM	59.5	66.9	51.2	79.9	59.5	66.9	51.2	79.9
7:54:01 AM	63	68.6	56.9	81.4	63	68.6	56.9	81.4
7:55:01 AM	61.4	67.2	51.5	80.5	61.4	67.2	51.5	80.4
7:56:01 AM	62.1	71.6	50.4	86.4	62.1	71.6	50.4	86.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7:57:01 AM	63.1	69.1	58.3	82	63.1	69.1	58.3	82
7:58:01 AM	63.7	70.6	55.4	85.1	63.7	70.6	55.4	85.1
7:59:01 AM	60.5	67.9	53.2	80.6	60.5	67.9	53.2	80.6
8:00:01 AM	62.2	69.7	57.9	83	62.2	69.7	57.9	83
8:01:01 AM	61.5	66.9	51.4	80.7	61.5	66.9	51.4	80.6
8:02:01 AM	73.6	87.1	50.9	100.2	73.6	87.1	50.9	100.2
8:03:01 AM	74.5	85.9	63.6	97.8	74.5	85.9	63.6	97.8
8:04:01 AM	67.1	71	63.6	86.3	67.1	71	63.6	86.3
8:05:01 AM	66.5	73.1	62.2	85.9	66.5	73.1	62.2	85.9
8:06:01 AM	65.8	69.2	61.9	83.3	65.8	69.2	61.9	83.3
8:07:01 AM	59.6	64.9	54.4	78.6	59.6	64.9	54.4	78.5
8:08:01 AM	60.2	68.2	52.2	81.5	60.2	68.2	52.2	81.5
8:09:01 AM	64.1	67.9	59.7	80.7	64.1	67.9	59.7	80.7
8:10:01 AM	63.4	71	52.8	83.9	63.4	71	52.8	83.9
8:11:01 AM	56.2	63.4	50.9	76.8	56.2	63.4	50.9	76.9
8:12:01 AM	62.5	66	58.5	78.9	62.5	66	58.5	78.9
8:13:01 AM	61.1	68.9	54.5	82.7	61.1	68.9	54.5	82.8
8:14:01 AM	60.6	67.2	50.3	80.5	60.5	67.2	50.3	80.6
8:15:01 AM	63.3	68.5	58.9	82	63.3	68.5	58.9	82
8:16:01 AM	64.1	69.6	57.5	83.4	64.1	69.6	57.5	83.4
8:17:01 AM	62.1	66	57.9	82.4	62.1	66	57.9	82.4
8:18:01 AM	63.8	70.2	56.9	82.5	63.8	70.2	56.9	82.5
8:19:01 AM	61.2	68.8	54.1	83.7	61.2	68.8	54.1	83.7
8:20:01 AM	58.1	65.2	51.6	78	58.1	65.2	51.6	78.1
8:21:01 AM	63.6	67.7	57.4	80.7	63.6	67.7	57.4	80.7
8:22:01 AM	64.8	71.2	53.9	84.6	64.8	71.2	53.9	84.6
8:23:01 AM	61.1	70.4	50.7	84.7	61.1	70.4	50.6	84.6
8:24:01 AM	63.7	68.4	58.8	81.3	63.7	68.4	58.8	81.3
8:25:01 AM	62.5	69	52.3	81.8	62.5	69	52.3	81.9
8:26:01 AM	61.2	69.8	52.8	83.1	61.2	69.8	52.8	83.1
8:27:01 AM	63.2	67.8	58	80.5	63.2	67.8	58	80.5
8:28:01 AM	76.6	89.7	57.2	103.8	76.6	89.7	57.2	103.8
8:29:01 AM	60.9	73.4	51.4	86.9	60.9	73.4	51.4	86.9
8:30:01 AM	62	70.6	57.7	79.6	62	70.5	57.7	79.7
8:31:01 AM	62.1	68.1	54.3	82	62.1	68.1	54.3	82
8:32:01 AM	58.9	67.1	50.7	81.1	58.9	67.1	50.7	81.1
8:33:01 AM	64	69.4	59.6	81.9	64	69.4	59.6	81.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
8:34:01 AM	60.7	68.1	54.3	80.8	60.7	68.1	54.3	80.8
8:35:01 AM	60.3	66.3	52.4	78.7	60.3	66.3	52.4	78.7
8:36:01 AM	65.9	70.5	59.7	85.1	65.9	70.5	59.7	85.1
8:37:01 AM	61.7	68.9	50.1	83.6	61.6	68.9	50.1	83.6
8:38:01 AM	60.5	68.8	52.6	84	60.5	68.8	52.6	84
8:39:01 AM	63.7	68.7	57.2	82.3	63.7	68.7	57.1	82.3
8:40:01 AM	61.9	65.9	55	80.3	61.9	65.9	55	80.4
8:41:01 AM	62.8	69.4	53.7	84	62.8	69.4	53.8	84
8:42:01 AM	66	70.2	60.8	83	66	70.2	60.8	82.9
8:43:01 AM	62.4	67.5	54.6	80.9	62.4	67.5	54.6	80.9
8:44:01 AM	59	65.8	49.7	78.7	59	65.8	49.7	78.6
8:45:01 AM	66.6	72.7	59.5	85.4	66.6	72.7	59.5	85.5
8:46:01 AM	61	67.4	52.4	80.5	61	67.4	52.4	80.5
8:47:01 AM	62.1	69.8	52.1	83.2	62.1	69.8	52	83.2
8:48:01 AM	65.6	71.8	60.5	85.1	65.6	71.8	60.5	85.1
8:49:01 AM	64.3	68.8	57.8	82.3	64.3	68.8	57.7	82.3
8:50:01 AM	59	66.1	52.3	79	59	66.1	52.3	79.1
8:51:01 AM	62.8	68.8	57.4	81.2	62.8	68.8	57.4	81.1
8:52:01 AM	62.5	72.2	51.7	85.6	62.5	72.2	51.7	85.6
8:53:01 AM	59.6	66.6	53.6	80.1	59.6	66.6	53.5	80
8:54:01 AM	64.3	69.9	57.7	82.9	64.3	70	57.7	82.9
8:55:01 AM	59.7	66.7	52.9	80.7	59.7	66.7	52.9	80.6
8:56:01 AM	58.3	67.1	49	80.8	58.3	67.1	49	80.8
8:57:01 AM	69.1	79.7	57.4	92.7	69.1	79.7	57.4	92.7
8:58:01 AM	61.1	66.2	56.3	78.9	61.1	66.2	56.3	78.9
8:59:01 AM	58.2	61.9	50.4	75	58.2	61.9	50.4	75
9:00:01 AM	62.9	68	57.1	81.1	62.9	68	57.1	81.2
9:01:01 AM	59.5	66.1	48.8	78.8	59.5	66.1	48.8	78.9
9:02:01 AM	63	70.6	49	83.6	63	70.6	49	83.6
9:03:01 AM	63.9	69.1	59.5	83.8	63.9	69.1	59.5	83.8
9:04:01 AM	62.6	71.7	52	84.2	62.6	71.7	52	84.2
9:05:01 AM	61.4	71.6	53.1	85.7	61.4	71.6	53.1	85.7
9:06:01 AM	63.8	71.3	50.6	82.5	63.8	71.3	50.6	82.6
9:07:01 AM	61.6	68.8	50.7	82.6	61.6	68.8	50.7	82.6
9:08:01 AM	63.7	69.5	57.3	82.4	63.7	69.5	57.3	82.4
9:09:01 AM	63.5	71.8	52.7	84.4	63.5	71.8	52.7	84.4
9:10:01 AM	63	69.2	54.7	93	63	69.2	54.7	93

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:11:01 AM	63.6	69	53.8	82.8	63.6	69	53.8	82.8
9:12:01 AM	64.2	72.4	55.3	86.4	64.2	72.4	55.3	86.4
9:13:01 AM	63.3	71.5	56.3	84.6	63.3	71.5	56.3	84.6
9:14:01 AM	60.8	66.4	55.3	80.1	60.8	66.4	55.3	80.2
9:15:01 AM	63.2	68.9	53.1	82.3	63.2	68.9	53.1	82.3
9:16:01 AM	60.7	68.4	51.9	83.8	60.7	68.4	51.9	83.7
9:17:01 AM	61	66.7	54.4	79.4	61	66.7	54.4	79.4
9:18:01 AM	63.7	68.6	50.8	82.5	63.7	68.6	50.8	82.5
9:19:01 AM	64.4	70	51.9	83.4	64.4	70	51.9	83.3
9:20:01 AM	62.6	69.5	54.5	82.7	62.6	69.5	54.5	82.7
9:21:01 AM	56.5	62.2	48.7	75.9	56.5	62.2	48.7	76
9:22:01 AM	63.2	69.7	55	82.6	63.2	69.7	55	82.6
9:23:01 AM	57.5	65.9	48	79.5	57.5	65.9	48	79.5
9:24:01 AM	62.3	67.7	50.6	80.9	62.3	67.7	50.6	80.9
9:25:01 AM	65.2	74.1	58	86.4	65.2	74.1	58	86.4
9:26:01 AM	59.4	67.9	49.7	81	59.4	67.9	49.7	81.1
9:27:01 AM	65.6	69.5	58.7	83	65.6	69.5	58.7	83
9:28:01 AM	58.7	64.2	51.1	77.8	58.7	64.2	51.1	77.8
9:29:01 AM	60.6	65.1	54.1	78.9	60.6	65.1	54.1	79
9:30:01 AM	62.3	67.4	54	81.6	62.3	67.4	54	81.7
9:31:01 AM	65.8	73	54.3	86.6	65.8	73	54.3	86.6
9:32:01 AM	63.2	73.5	54.8	86.8	63.2	73.5	54.8	86.8
9:33:01 AM	62.3	68.6	55.1	81.2	62.3	68.6	55.1	81.1
9:34:01 AM	62.3	69.5	54.7	83.2	62.3	69.5	54.7	83.2
9:35:01 AM	61.3	68.5	53.8	81.7	61.3	68.5	53.8	81.7
9:36:01 AM	65.1	68.7	61.2	83.5	65.1	68.7	61.2	83.6
9:37:01 AM	61.4	65.2	54.4	78.1	61.4	65.2	54.4	78.1
9:38:01 AM	62.6	70.8	53.8	86.3	62.6	70.8	53.8	86.3
9:39:01 AM	63.2	68.9	56.7	81.7	63.2	68.9	56.7	81.8
9:40:01 AM	56.4	62	50.9	80	56.4	62	50.9	80.1
9:41:01 AM	63.5	68.7	57.2	89.3	63.5	68.7	57.1	89.3
9:42:01 AM	58.8	66.6	50.9	79.5	58.8	66.6	50.9	79.4
9:43:01 AM	63.3	70.2	58.4	83.3	63.3	70.2	58.4	83.3
9:44:01 AM	61.3	67.8	49.4	82.7	61.3	67.8	49.4	82.7
9:45:01 AM	64.3	69.7	56.4	84.4	64.3	69.7	56.4	84.4
9:46:01 AM	63.7	67.3	56.5	81.4	63.7	67.3	56.5	81.4
9:47:01 AM	62.5	66.8	57	80.7	62.5	66.7	57	80.7

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:48:01 AM	64.4	69	57	82.2	64.4	69	57	82.2
9:49:01 AM	63.2	69.8	54	97.9	63.2	69.8	54	97.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Location M5: Session Report

Meter No. 40395
Session No. S170
Start: 1029 on 7/22/2021
End: 1031 on 7/23/2021

Information Panel

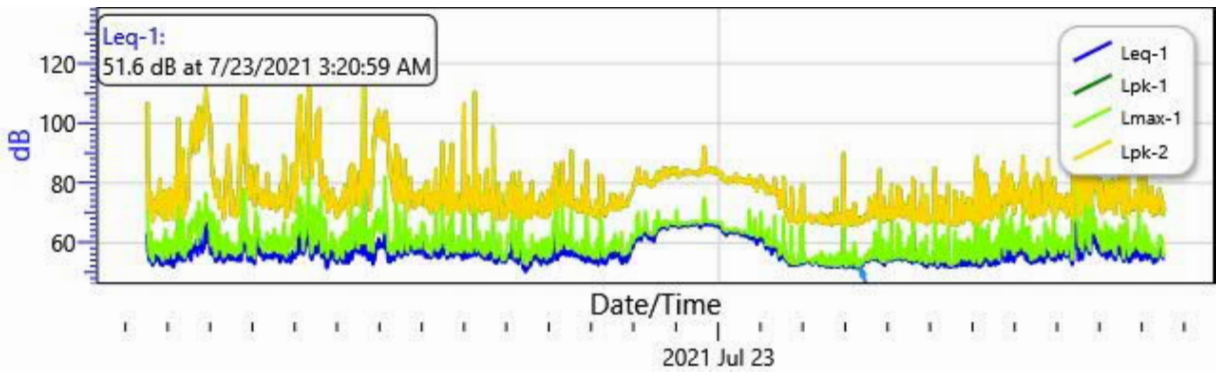
Name	S170_BLR010003_23072021_112950
Start Time	7/22/2021 10:28:59 AM
Stop Time	7/23/2021 10:31:58 AM
Device Name	BLR010003
Model Type	SoundPro DL
Device Firmware Rev	R.13H
Comments	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	60 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	SLOW	Bandwidth	1	OFF
Exchange Rate	2	3 dB	Weighting	2	A
Response	2	SLOW			

Logged Data Chart

S170_BLR010003_23072021_112950: Logged Data Chart



Logged Data Table

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7/22/2021	63.2	76.9	52.5	107.1	63.2	76.9	52.5	107.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
10:29:59 AM								
10:30:59 AM	57.7	64.6	52.2	81.7	57.7	64.6	52.2	81.7
10:31:59 AM	55	58.8	53.7	74.5	55	58.8	53.7	74.6
10:32:59 AM	54.2	56.8	53.1	71.5	54.2	56.8	53.1	71.5
10:33:59 AM	54.1	55.5	53.2	70.8	54.1	55.5	53.2	70.9
10:34:59 AM	57.7	63.5	52.8	76.7	57.7	63.5	52.7	76.6
10:35:59 AM	55.8	58.4	52.4	73.5	55.8	58.4	52.3	73.4
10:36:59 AM	52.7	54.8	51.2	70.9	52.6	54.8	51.2	70.9
10:37:59 AM	52.7	53.9	51.7	67.2	52.7	53.9	51.7	66.9
10:38:59 AM	55.1	60	51.7	73.1	55.1	60	51.7	73.1
10:39:59 AM	54.7	58	52.8	73.9	54.7	58	52.8	73.9
10:40:59 AM	53.7	57.7	52.2	71.4	53.7	57.7	52.2	71.5
10:41:59 AM	55.8	59.6	52.9	71.8	55.8	59.6	52.9	71.7
10:42:59 AM	55.6	60.7	52.6	73.2	55.6	60.7	52.6	73
10:43:59 AM	54.6	58.9	53.2	72.6	54.6	58.8	53.2	72.5
10:44:59 AM	55.2	58.2	53.3	76.3	55.2	58.2	53.2	76.2
10:45:59 AM	54.5	56.6	52.3	70.1	54.5	56.6	52.3	70.1
10:46:59 AM	54.6	57.1	51.9	71.1	54.6	57.1	51.9	71.1
10:47:59 AM	53.9	59.9	51.9	81.1	53.9	59.9	51.8	81.1
10:48:59 AM	52.8	56.1	51	69.5	52.8	56.1	50.9	69.5
10:49:59 AM	53.6	59.9	51.6	77.6	53.6	59.9	51.6	77.6
10:50:59 AM	53.6	56.4	51.9	71.4	53.6	56.4	51.9	71.4
10:51:59 AM	52.5	54.1	51.2	71.3	52.5	54.1	51.2	71.2
10:52:59 AM	53.2	55	52.1	68	53.2	55	52.1	68
10:53:59 AM	57.1	62	52.7	76.2	57.1	62	52.7	76.3
10:54:59 AM	55.7	59	52.7	73.1	55.7	59	52.7	73
10:55:59 AM	58.2	64.6	53.2	77.1	58.2	64.6	53.2	77.1
10:56:59 AM	53.9	57.2	52.4	71.7	53.9	57.2	52.4	71.8
10:57:59 AM	53.2	58.4	51.2	76.6	53.2	58.4	51.2	76.6
10:58:59 AM	53.7	55.1	52.4	67.9	53.7	55.1	52.4	67.9
10:59:59 AM	54.1	58.3	52	72.9	54.1	58.3	52	72.9
11:00:59 AM	56.3	61.1	51.9	73.7	56.3	61.1	51.9	73.7
11:01:59 AM	52.9	58.3	51.7	78.2	52.9	58.3	51.7	78.2
11:02:59 AM	53.9	57.1	51.8	69.9	53.9	57.1	51.8	69.9
11:03:59 AM	54.7	60.9	51.8	77.4	54.7	60.9	51.8	77.4
11:04:59 AM	52.6	56.9	51.1	71.6	52.6	56.9	51.1	71.5
11:05:59 AM	54.4	58.5	51.5	77.3	54.4	58.5	51.4	77.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
11:06:59 AM	52	55.1	50.3	68.1	52	55.1	50.3	67.8
11:07:59 AM	53.2	59	50.8	76.5	53.2	59	50.7	76.5
11:08:59 AM	54.5	60.1	51.9	75.6	54.5	60.1	51.8	75.6
11:09:59 AM	55.4	63.7	53.1	81.8	55.4	63.7	53.1	81.8
11:10:59 AM	55.4	60	52.2	78.6	55.4	60	52.2	78.7
11:11:59 AM	54	57.3	52.8	73.5	54	57.3	52.8	73.5
11:12:59 AM	55.7	60	53.7	73.2	55.7	60	53.7	73
11:13:59 AM	67.4	82.6	52.8	101.7	67.4	82.6	52.8	101.7
11:14:59 AM	55.8	59.1	54.6	72.8	55.8	59.1	54.5	72.7
11:15:59 AM	54.8	57.7	53.4	73.4	54.8	57.7	53.4	73.3
11:16:59 AM	58.1	63.5	54.1	83.6	58.1	63.5	54.1	83.6
11:17:59 AM	56.2	59.5	53.7	80.4	56.2	59.5	53.7	80.5
11:18:59 AM	54.1	56.1	52.8	68.9	54.1	56.1	52.8	68.8
11:19:59 AM	57.7	71.1	53.7	91.1	57.7	71.1	53.7	91.2
11:20:59 AM	55.5	63.1	52.2	82	55.5	63.1	52.2	82.1
11:21:59 AM	54.2	58.3	51.8	75.1	54.2	58.3	51.8	75.1
11:22:59 AM	54.1	55.2	51.8	69.8	54.1	55.2	51.8	69.8
11:23:59 AM	55.5	58.6	53.4	72.7	55.5	58.6	53.4	72.5
11:24:59 AM	56.4	58	54.1	71.8	56.4	58	54	71.7
11:25:59 AM	55.8	57.3	54.2	72	55.8	57.3	54.2	72
11:26:59 AM	55.5	59.6	53.9	74	55.5	59.6	53.9	74
11:27:59 AM	55.6	61.2	53.1	74.5	55.6	61.2	53.1	74.6
11:28:59 AM	59.6	66.2	53.3	87.4	59.5	66.2	53.3	87.4
11:29:59 AM	60	66.2	54.9	89.1	60	66.2	54.9	89.1
11:30:59 AM	55.1	58.4	52.6	89.1	55.1	58.4	52.6	89.1
11:31:59 AM	54.2	59.3	52.8	93.7	54.2	59.3	52.8	93.8
11:32:59 AM	58.7	66.9	52.2	93.6	58.7	66.9	52.2	93.6
11:33:59 AM	59	67.9	55.2	100.5	58.9	67.9	55.2	100.5
11:34:59 AM	57	64.4	54.4	97.9	57	64.4	54.4	97.9
11:35:59 AM	57.5	63.9	54.4	97.2	57.5	63.9	54.4	97.2
11:36:59 AM	58.8	67.1	56.8	100.2	58.8	67.1	56.8	100.2
11:37:59 AM	59	64.4	56.4	90.3	59	64.4	56.4	90.3
11:38:59 AM	57.7	65.4	55.7	97.4	57.7	65.4	55.7	97.4
11:39:59 AM	60.9	70.4	56.4	102.6	60.9	70.4	56.4	102.6
11:40:59 AM	55.9	59.6	54.3	90.9	55.9	59.6	54.3	90.9
11:41:59 AM	60.9	71.9	53.9	102.2	60.9	71.9	53.9	102.2
11:42:59 AM	64.2	73.6	59.6	105.6	64.2	73.6	59.6	105.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
11:43:59 AM	60.9	69.7	56.6	105.2	60.9	69.7	56.6	105.2
11:44:59 AM	58.1	62	56.1	95	58.1	62	56.1	95
11:45:59 AM	58.1	68.8	54.8	100.4	58.1	68.8	54.8	100.4
11:46:59 AM	59.1	69.1	56	102.8	59.1	69.1	56	102.8
11:47:59 AM	56.8	64	54.5	94.8	56.8	64	54.5	94.8
11:48:59 AM	58.7	70	54.8	102	58.7	69.9	54.8	102
11:49:59 AM	58.1	66.1	55.8	100	58.1	66.1	55.8	100
11:50:59 AM	60.3	69	56.2	102.5	60.3	69	56.2	102.5
11:51:59 AM	63.9	71.2	60.1	104.7	63.9	71.2	60.1	104.7
11:52:59 AM	66.6	76.5	60.6	111.5	66.6	76.5	60.6	111.5
11:53:59 AM	62.3	71.1	58.4	106.6	62.3	71.1	58.4	106.6
11:54:59 AM	60	68.8	55.9	104.6	60	68.8	55.9	104.6
11:55:59 AM	60.6	70	56	102	60.6	70	56	102
11:56:59 AM	64	71.2	58.4	103.1	64	71.2	58.4	103.1
11:57:59 AM	58.3	64.8	56	99.9	58.3	64.8	56	99.9
11:58:59 AM	58.2	65.3	54.5	100.1	58.2	65.3	54.4	100.1
11:59:59 AM	56.4	59.2	54.5	94.1	56.4	59.2	54.4	94.1
12:00:59 PM	58.3	63.8	53.8	83.4	58.2	63.8	53.8	83.4
12:01:59 PM	60	69.9	53.6	82.4	60	69.9	53.6	82.4
12:02:59 PM	58.3	65.7	53.6	84.4	58.3	65.7	53.6	84.4
12:03:59 PM	62.4	69.4	53.9	81.8	62.4	69.4	53.9	81.8
12:04:59 PM	55.2	57.4	53.9	80.1	55.2	57.4	53.9	80.1
12:05:59 PM	56.1	64.3	53.2	77	56.1	64.3	53.2	77.1
12:06:59 PM	53.9	55.6	52	75.4	53.8	55.6	52	75.4
12:07:59 PM	53.8	56.3	52	78.8	53.8	56.3	52	78.8
12:08:59 PM	57	65.7	52.1	81	57	65.7	52.1	81.1
12:09:59 PM	57.2	61.4	52.8	76.3	57.2	61.4	52.8	76.2
12:10:59 PM	58.4	67.4	52.1	80.5	58.4	67.4	52.1	80.6
12:11:59 PM	54.7	58.2	52.9	71.6	54.7	58.2	52.9	71.5
12:12:59 PM	56.4	57.9	54.2	74.4	56.4	57.9	54.2	74.3
12:13:59 PM	54.8	58.8	53.2	72.3	54.8	58.8	53.2	72.3
12:14:59 PM	55.4	58.9	52.9	75	55.4	58.9	52.9	74.9
12:15:59 PM	57.3	62.3	53.8	73.8	57.3	62.3	53.8	74
12:16:59 PM	55.8	58.6	53	71.5	55.8	58.6	53	71.5
12:17:59 PM	53.5	55.4	53	68.2	53.5	55.4	53	68.4
12:18:59 PM	55.4	58.7	52.8	74	55.4	58.6	52.8	74.1
12:19:59 PM	54.1	55.8	53.1	70.6	54.1	55.8	53.1	70.5

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
12:20:59 PM	54.5	57	53.3	79.9	54.5	57	53.3	79.9
12:21:59 PM	55.4	59.3	53.3	82.2	55.4	59.3	53.3	82.2
12:22:59 PM	55.6	63.3	53.2	82.1	55.6	63.3	53.2	82
12:23:59 PM	56.1	59.8	54.3	84.2	56.1	59.8	54.3	84.2
12:24:59 PM	55.3	61.1	54	92.4	55.3	61.1	54	92.4
12:25:59 PM	55.8	57.7	54.2	86.5	55.8	57.7	54.2	86.5
12:26:59 PM	54.8	57.4	53.5	81.2	54.8	57.4	53.5	81.2
12:27:59 PM	54.4	56.9	53.1	71	54.4	56.9	53.1	71.1
12:28:59 PM	55.1	56.9	53.5	69.5	55.1	56.9	53.5	69.5
12:29:59 PM	55.8	59.9	52.7	77.7	55.8	59.8	52.7	77.8
12:30:59 PM	54.6	56.6	53.4	70.6	54.6	56.6	53.4	70.6
12:31:59 PM	55.6	58.4	54.2	71.2	55.6	58.4	54.2	71.1
12:32:59 PM	54.7	58.1	53.4	70.5	54.7	58.1	53.4	70.5
12:33:59 PM	54.7	56.3	53.8	69	54.7	56.3	53.8	68.8
12:34:59 PM	54.2	55.7	53.1	69	54.2	55.7	53	68.7
12:35:59 PM	54.7	58.5	53	71	54.7	58.5	53	70.9
12:36:59 PM	56.5	58.7	53.2	72.2	56.5	58.7	53.2	72.4
12:37:59 PM	56	59.3	53.6	75.7	56	59.3	53.6	75.8
12:38:59 PM	54	56.7	52.6	69.7	54	56.7	52.6	69.7
12:39:59 PM	54.3	58.8	53.1	73.1	54.3	58.8	53	73.1
12:40:59 PM	55.8	59.7	52.7	89.5	55.7	59.7	52.7	89.5
12:41:59 PM	55.8	66.6	51.4	99.6	55.8	66.6	51.4	99.6
12:42:59 PM	54.1	57.2	51.5	86.5	54	57.2	51.5	86.5
12:43:59 PM	57.3	63.5	53.6	95.5	57.3	63.5	53.6	95.5
12:44:59 PM	62.2	78	55	109.3	62.2	78	55	109.3
12:45:59 PM	58	61	56.1	92.2	58	61	56.1	92.2
12:46:59 PM	63.2	76.3	58.7	108.5	63.2	76.3	58.7	108.5
12:47:59 PM	66.1	78	60.5	108.6	66.1	78	60.5	108.6
12:48:59 PM	63.1	76.8	56.5	108.7	63.1	76.8	56.5	108.7
12:49:59 PM	57.1	60.3	55.2	88.9	57.1	60.3	55.2	88.9
12:50:59 PM	57.2	64.7	53.9	81.2	57.2	64.7	53.9	81.2
12:51:59 PM	58.5	65	53.5	79.1	58.5	65	53.5	79
12:52:59 PM	54.1	56.7	52.2	83	54.1	56.7	52.2	83
12:53:59 PM	54.1	56	52.4	78.5	54.1	56	52.4	78.5
12:54:59 PM	55.6	58.7	53.2	75.1	55.6	58.7	53.2	75.2
12:55:59 PM	55.6	60.4	53.2	83	55.6	60.4	53.2	83
12:56:59 PM	55.8	62.7	52.5	85.5	55.8	62.7	52.5	85.5

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
12:57:59 PM	54	56.4	52.7	77.1	54	56.3	52.7	77
12:58:59 PM	55	59.9	52.6	75.1	55	59.9	52.6	75.1
12:59:59 PM	54.6	57.2	52.5	76.5	54.5	57.2	52.5	76.3
1:00:59 PM	54.3	56	52.8	78	54.3	56	52.8	78
1:01:59 PM	53	55.1	51.3	72.4	53	55.1	51.3	72.5
1:02:59 PM	54.4	63.6	53.2	76.2	54.4	63.6	53.2	76.2
1:03:59 PM	66	70.5	55.8	83.1	66	70.5	55.7	83
1:04:59 PM	60.1	68	54.3	85.9	60.1	68	54.3	85.9
1:05:59 PM	56.9	68.6	53.8	78	56.9	68.6	53.8	78
1:06:59 PM	56.5	63	53.6	76.9	56.5	63	53.6	76.9
1:07:59 PM	58.4	64.3	54.1	77.8	58.4	64.3	54.1	77.7
1:08:59 PM	57.3	62.4	54.1	78.1	57.3	62.4	54.1	78.1
1:09:59 PM	56.6	58.9	54.4	73	56.6	58.9	54.4	73
1:10:59 PM	55.9	59.1	54.1	74.1	55.9	59.1	54	74.2
1:11:59 PM	56.6	60.9	54.6	74.1	56.6	60.9	54.6	74.1
1:12:59 PM	57.1	60.9	54.6	75.7	57.1	60.9	54.6	75.6
1:13:59 PM	55.9	58.9	53.9	72	55.9	58.8	53.9	72
1:14:59 PM	54.4	56.9	53.5	76.5	54.4	56.9	53.5	76.6
1:15:59 PM	56.4	59.6	54.2	75.6	56.4	59.6	54.2	75.4
1:16:59 PM	56.6	58.8	54	77.8	56.6	58.8	54	77.8
1:17:59 PM	55.7	58.8	53.4	73	55.7	58.8	53.4	73
1:18:59 PM	55.3	58.1	53.6	72.5	55.3	58	53.6	72.2
1:19:59 PM	55.8	63.4	53.6	83.1	55.8	63.4	53.6	83.1
1:20:59 PM	55.6	57.9	54.1	72.8	55.6	57.9	54.1	72.8
1:21:59 PM	55.1	57.4	53.9	75.1	55.1	57.3	53.9	75.1
1:22:59 PM	55.7	58.8	54.7	75.2	55.7	58.8	54.7	75.3
1:23:59 PM	55.7	57.7	54.8	71.6	55.7	57.7	54.7	71.8
1:24:59 PM	56	62.2	54.2	76.5	56	62.2	54.2	76.5
1:25:59 PM	55	57.6	53.9	72.9	55	57.6	53.9	73
1:26:59 PM	55.7	57.5	54.1	72	55.7	57.5	54.1	72
1:27:59 PM	54.9	57.7	54.1	73.1	54.9	57.7	54.1	73.1
1:28:59 PM	56.8	61.8	53.3	75.7	56.8	61.8	53.3	75.7
1:29:59 PM	57.2	64.6	53.5	76.2	57.2	64.6	53.5	76.2
1:30:59 PM	55.8	63.3	53.4	75.1	55.8	63.3	53.4	75.2
1:31:59 PM	56.2	62.5	54.6	74.8	56.2	62.5	54.6	74.7
1:32:59 PM	55.4	57.4	54.1	70.8	55.4	57.4	54.1	70.7
1:33:59 PM	55.4	58.3	54.3	71.2	55.4	58.3	54.3	71.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
1:34:59 PM	55.9	58.6	54.3	74	55.9	58.6	54.3	74
1:35:59 PM	55.4	57.4	53.3	75.2	55.4	57.4	53.2	75.3
1:36:59 PM	56.3	62.1	53.5	75.3	56.3	62.1	53.5	75.2
1:37:59 PM	53.6	56.9	52.3	72.8	53.6	56.9	52.3	72.8
1:38:59 PM	54.9	57.5	52.7	79.3	54.9	57.5	52.7	79.3
1:39:59 PM	54.4	56.7	53.5	72.5	54.4	56.6	53.4	72.6
1:40:59 PM	55.4	57.7	53.5	74.9	55.4	57.7	53.5	74.9
1:41:59 PM	57.1	62.4	54.2	76.2	57.1	62.4	54.2	76.1
1:42:59 PM	57	63.3	54.4	84.3	57	63.2	54.4	84.3
1:43:59 PM	55.9	66.9	53.5	89.1	55.9	66.9	53.5	89.1
1:44:59 PM	55.2	56.4	53.8	76.6	55.2	56.4	53.8	76.7
1:45:59 PM	54.4	56.8	52.5	70.6	54.4	56.8	52.5	70.5
1:46:59 PM	53.7	55.4	52.2	68.6	53.7	55.4	52.2	68.4
1:47:59 PM	55.6	58.7	52.3	72.7	55.6	58.6	52.3	72.6
1:48:59 PM	56.2	61.4	53.5	74.2	56.1	61.4	53.4	74.2
1:49:59 PM	54.1	57.3	52.7	70.7	54.1	57.3	52.7	70.7
1:50:59 PM	54.4	61.2	52.8	77.7	54.4	61.2	52.8	77.7
1:51:59 PM	55.4	61.7	52.6	78.6	55.4	61.7	52.6	78.6
1:52:59 PM	53.5	59.7	52.1	78.1	53.5	59.7	52.1	78
1:53:59 PM	54.9	60.5	52.8	80.5	54.9	60.5	52.8	80.6
1:54:59 PM	55.1	59.3	52.7	77.1	55.1	59.3	52.7	77.1
1:55:59 PM	57.1	66.1	54.2	86.2	57.1	66.1	54.2	86.2
1:56:59 PM	55.5	58.5	53.3	76.6	55.5	58.5	53.3	76.6
1:57:59 PM	56.9	65	52.6	80	56.9	65	52.6	80
1:58:59 PM	55	57.3	53.5	70.6	55	57.3	53.5	70.4
1:59:59 PM	57.7	62.3	54.8	75.8	57.7	62.3	54.8	75.7
2:00:59 PM	58.7	67.5	54	86.3	58.7	67.5	54	86.3
2:01:59 PM	57.5	62.6	54.9	78.9	57.5	62.6	54.9	78.9
2:02:59 PM	57.9	64.3	55	95	57.9	64.3	55	95
2:03:59 PM	56.3	64.4	53.9	97	56.3	64.4	53.9	97
2:04:59 PM	64.8	74.7	54.9	107.7	64.8	74.7	54.9	107.7
2:05:59 PM	63.6	73	58.6	104.8	63.6	73	58.6	104.8
2:06:59 PM	61.8	75.1	57.2	109.1	61.8	75.1	57.2	109.1
2:07:59 PM	59.1	67.1	56	98.9	59.1	67.1	56	98.9
2:08:59 PM	57.1	62.1	53.8	93.9	57.1	62.1	53.8	93.9
2:09:59 PM	66.6	72.9	53.9	85.6	66.5	72.9	53.9	85.6
2:10:59 PM	56.2	57.6	55.2	81.3	56.2	57.6	55.2	81.3

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
2:11:59 PM	58.7	61.2	55.3	87.6	58.6	61.2	55.3	87.6
2:12:59 PM	57.4	61.8	55.1	79.8	57.4	61.8	55.1	79.7
2:13:59 PM	58.5	62.3	55.6	87.2	58.5	62.3	55.5	87.2
2:14:59 PM	59.1	63.9	55.5	96.1	59.1	63.9	55.5	96.1
2:15:59 PM	61.7	66.9	58.1	98.9	61.7	66.9	58.1	98.9
2:16:59 PM	63.2	74	59.2	104.6	63.2	74	59.2	104.6
2:17:59 PM	65.2	77.4	59.6	109.4	65.2	77.4	59.6	109.4
2:18:59 PM	68.3	82	60.9	112.8	68.3	82	60.9	112.8
2:19:59 PM	62.5	72.5	56.6	105.1	62.5	72.5	56.6	105.1
2:20:59 PM	57.1	62.5	54.7	82.9	57.1	62.5	54.7	83
2:21:59 PM	55.4	57.8	54.1	82.8	55.4	57.8	54.1	82.8
2:22:59 PM	54.5	56.7	53	81.7	54.5	56.7	53	81.7
2:23:59 PM	55.8	59.2	52.7	86.4	55.8	59.2	52.7	86.4
2:24:59 PM	58	68.2	53.4	93.1	58	68.2	53.4	93.1
2:25:59 PM	63.8	72.3	57.8	92.2	63.8	72.3	57.8	92.2
2:26:59 PM	57.9	61.8	56.6	91.4	57.9	61.8	56.6	91.3
2:27:59 PM	57	59.8	55	89.2	57	59.8	55.1	89.2
2:28:59 PM	56.5	62.8	54.8	95.4	56.5	62.8	54.8	95.4
2:29:59 PM	57.1	59.8	55.2	90.6	57.1	59.8	55.2	90.6
2:30:59 PM	61.3	70.7	57.1	103	61.3	70.7	57	103
2:31:59 PM	59.4	65	56.4	87.8	59.4	65	56.4	87.8
2:32:59 PM	57.9	69.8	53.7	101.4	57.9	69.8	53.7	101.4
2:33:59 PM	60.6	73.9	54.9	104.9	60.6	73.9	55	104.9
2:34:59 PM	56.9	61.4	53.5	79.4	56.9	61.4	53.5	79.4
2:35:59 PM	63.2	76.5	55.8	87.6	63.2	76.5	55.8	87.6
2:36:59 PM	55.4	56.9	54.1	76.2	55.4	56.9	54.1	76.2
2:37:59 PM	57.2	61.5	53.7	75.7	57.2	61.5	53.7	75.7
2:38:59 PM	55.2	57.7	53.6	77.6	55.2	57.7	53.6	77.4
2:39:59 PM	56.7	61.7	52.6	76.8	56.7	61.7	52.6	76.6
2:40:59 PM	56.4	66.1	52.4	78.2	56.4	66.1	52.4	78.1
2:41:59 PM	59.3	68.4	51.6	80.1	59.3	68.4	51.6	80.1
2:42:59 PM	54.4	60.2	50.8	81.7	54.4	60.2	50.8	81.7
2:43:59 PM	51.6	58	50.6	75.6	51.6	58	50.5	75.6
2:44:59 PM	52.2	55.3	50.8	74.8	52.2	55.3	50.7	74.8
2:45:59 PM	52.6	56.3	50.4	70.4	52.6	56.3	50.4	70.5
2:46:59 PM	55.5	59.5	53	76	55.5	59.5	53	75.9
2:47:59 PM	54.5	58.2	52.6	73.2	54.5	58.2	52.6	73

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
2:48:59 PM	55.2	58.5	53	72	55.2	58.4	53	72
2:49:59 PM	55.5	58.7	53.7	72.4	55.5	58.6	53.7	72.5
2:50:59 PM	58.5	63.2	53.6	77	58.5	63.2	53.6	77
2:51:59 PM	58.1	63.5	54.6	76	58.1	63.5	54.6	75.9
2:52:59 PM	57.8	61.5	55.5	78.1	57.8	61.4	55.5	78.1
2:53:59 PM	55.3	57.7	52.5	72.5	55.3	57.7	52.5	72.4
2:54:59 PM	54.4	58.5	52.7	72	54.4	58.5	52.7	71.9
2:55:59 PM	56.9	60.9	53.5	74.9	56.9	60.9	53.5	74.9
2:56:59 PM	55.3	58.9	53.1	72.5	55.3	58.9	53.1	72.5
2:57:59 PM	53.5	54.9	51.8	68.5	53.5	54.9	51.8	68.5
2:58:59 PM	53.3	54.7	52.3	68.4	53.3	54.7	52.3	68.4
2:59:59 PM	54.9	57	53.6	70	54.9	57	53.6	69.9
3:00:59 PM	54.4	55.8	53.3	69.5	54.4	55.8	53.3	69.7
3:01:59 PM	54.7	56.6	53.7	69.7	54.7	56.6	53.7	69.7
3:02:59 PM	56.1	59	52.8	73.4	56.1	59	52.8	73.4
3:03:59 PM	57	61.7	52.9	74.1	57	61.7	52.9	74
3:04:59 PM	56.4	59.9	53.8	74	56.4	59.9	53.8	74.1
3:05:59 PM	55	60.5	53	75.1	55	60.5	53	75.1
3:06:59 PM	53.4	54.9	52	71.4	53.4	54.9	52	71.4
3:07:59 PM	55.3	59	52.1	71.9	55.3	59	52.1	71.9
3:08:59 PM	56.8	63.4	54.1	77.5	56.8	63.4	54	77.5
3:09:59 PM	54.3	58.5	52.1	79.2	54.3	58.5	52.1	79.2
3:10:59 PM	53.4	58.7	50.4	77.8	53.3	58.7	50.4	77.8
3:11:59 PM	57.1	63.6	52.4	77.7	57	63.6	52.4	77.7
3:12:59 PM	54.7	60.7	51.6	74.6	54.7	60.7	51.6	74.5
3:13:59 PM	54.4	58.5	51.3	74	54.4	58.5	51.3	74
3:14:59 PM	53.3	57.3	51.4	69.9	53.3	57.3	51.3	70
3:15:59 PM	54.8	58.1	52.3	71.9	54.8	58.1	52.3	71.8
3:16:59 PM	62.7	71.8	53	84.5	62.7	71.8	53	84.5
3:17:59 PM	57.2	61.4	54.2	74.1	57.2	61.4	54.1	74.2
3:18:59 PM	64.2	72.6	53	85.8	64.2	72.6	53	85.8
3:19:59 PM	54.6	58.3	53	74.8	54.6	58.3	52.9	74.9
3:20:59 PM	57.3	64.6	53.5	86.4	57.3	64.6	53.4	86.4
3:21:59 PM	56.5	58.6	53.6	72.7	56.5	58.6	53.6	72.6
3:22:59 PM	57.1	63.5	51.1	84.6	57.1	63.5	51.1	84.6
3:23:59 PM	58.9	64.7	52.6	83.6	58.9	64.7	52.6	83.7
3:24:59 PM	57.8	63.7	52.7	76.6	57.8	63.7	52.7	76.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:25:59 PM	61.3	68.3	54.3	78.8	61.3	68.3	54.3	78.9
3:26:59 PM	57.9	61.3	55.4	79.1	57.9	61.3	55.4	79.1
3:27:59 PM	57.2	62.1	55.6	77.9	57.2	62.1	55.6	77.9
3:28:59 PM	56.7	58.3	55.2	72.8	56.7	58.3	55.2	72.7
3:29:59 PM	57.8	60.9	56.5	73.8	57.8	60.9	56.5	73.7
3:30:59 PM	57.1	60	55.6	72.7	57.1	60.1	55.6	72.6
3:31:59 PM	62.5	69.8	55.5	83.7	62.5	69.7	55.5	83.7
3:32:59 PM	59.3	65.1	55.1	81.8	59.3	65.1	55.1	81.9
3:33:59 PM	57.2	65.4	54.4	82.3	57.2	65.4	54.4	82.3
3:34:59 PM	56	60	53.9	75.3	56	60	53.9	75.3
3:35:59 PM	56.7	63	53.6	79.7	56.7	63	53.6	79.8
3:36:59 PM	82.7	100.2	54	134.8	82.7	100.2	54	134.8
3:37:59 PM	60.5	70.9	53.4	95.3	60.5	70.9	53.4	95.3
3:38:59 PM	56.9	60.1	52	81.9	56.9	60.1	52	81.9
3:39:59 PM	57.1	62.6	52.1	78.6	57.1	62.6	52.1	78.6
3:40:59 PM	55.6	64.4	52.4	81.1	55.6	64.4	52.4	81
3:41:59 PM	56.7	64.6	52.1	80	56.7	64.6	52.1	79.9
3:42:59 PM	54.4	60.7	52.1	77.2	54.4	60.7	52.1	77.3
3:43:59 PM	57.1	64.5	53.3	87.7	57.1	64.5	53.3	87.7
3:44:59 PM	54.4	57.5	51.3	71.2	54.4	57.5	51.3	71.3
3:45:59 PM	54.6	58.8	52.6	80.2	54.6	58.8	52.6	80.2
3:46:59 PM	55.2	58	52.3	81.5	55.2	58	52.2	81.5
3:47:59 PM	54.6	59.2	51	78	54.6	59.2	51	78.1
3:48:59 PM	56.7	65.4	50.9	85.3	56.7	65.4	50.9	85.3
3:49:59 PM	52.9	57.1	50.4	90	52.9	57.1	50.3	90
3:50:59 PM	57.4	67.5	50.5	93.5	57.4	67.5	50.5	93.5
3:51:59 PM	54.3	63.9	51.6	96.5	54.3	63.9	51.6	96.5
3:52:59 PM	56.5	63.8	52.4	95.4	56.5	63.8	52.4	95.4
3:53:59 PM	58	65.1	53.4	100.3	58	65.1	53.4	100.3
3:54:59 PM	59.6	70.1	55.9	102.2	59.6	70.1	55.9	102.2
3:55:59 PM	58.9	67.5	56.3	99.6	58.9	67.5	56.3	99.7
3:56:59 PM	58.4	67	55.1	97.2	58.4	67	55.1	97.2
3:57:59 PM	61.4	71.3	56.2	104.4	61.4	71.3	56.2	104.3
3:58:59 PM	58.5	65	56.5	95.9	58.5	65	56.5	95.9
3:59:59 PM	58.5	63.5	56.5	95.7	58.5	63.5	56.5	95.7
4:00:59 PM	59.4	69.3	56.9	101.4	59.4	69.3	56.9	101.4
4:01:59 PM	59.7	66.8	57.1	97.3	59.6	66.8	57.1	97.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
4:02:59 PM	58.9	64.5	57.3	95	58.8	64.5	57.3	95
4:03:59 PM	59.9	66.6	57.8	99.1	59.9	66.6	57.8	99.1
4:04:59 PM	59.3	66.5	56.6	99.5	59.3	66.5	56.6	99.5
4:05:59 PM	58.4	63.6	56.6	94.9	58.4	63.6	56.6	94.9
4:06:59 PM	68.5	82.1	55.9	102.1	68.5	82.1	55.9	102.1
4:07:59 PM	59.1	70.7	54.5	103.9	59.1	70.7	54.5	103.9
4:08:59 PM	57.7	68.8	54.1	101.3	57.7	68.8	54.1	101.3
4:09:59 PM	57.4	64.2	53.1	96.5	57.4	64.2	53.1	96.5
4:10:59 PM	54.7	60	51.2	90.9	54.7	60	51.2	90.9
4:11:59 PM	53.7	57.4	51.7	90.5	53.7	57.4	51.6	90.5
4:12:59 PM	55	58.3	52.6	86.2	55	58.3	52.6	86.2
4:13:59 PM	53.6	59.8	51.6	82.1	53.6	59.8	51.6	82
4:14:59 PM	54.4	57.5	51.9	87.8	54.4	57.5	51.9	87.8
4:15:59 PM	55.1	59	52.4	81.5	55	59	52.4	81.5
4:16:59 PM	55.3	58.2	53.2	81.7	55.3	58.2	53.2	81.8
4:17:59 PM	55.1	56.9	53.7	82.3	55	56.9	53.7	82.2
4:18:59 PM	56.1	60	53.6	76.3	56.1	60	53.6	76.4
4:19:59 PM	54.3	56.3	52.8	74.8	54.2	56.3	52.7	74.8
4:20:59 PM	57	61	53.4	73.9	57	61	53.4	73.9
4:21:59 PM	60.3	65.5	54.6	79	60.3	65.5	54.6	79
4:22:59 PM	67.7	77.6	53.7	92.8	67.7	77.6	53.7	92.8
4:23:59 PM	55.9	58.2	53.5	75.9	55.9	58.2	53.5	75.8
4:24:59 PM	56.1	59.2	54	75.2	56.1	59.2	54	75.2
4:25:59 PM	57.2	59.1	55.8	76.5	57.2	59.1	55.8	76.6
4:26:59 PM	58.4	69.9	54.7	89.2	58.4	69.9	54.7	89.2
4:27:59 PM	56.1	57.9	54.5	74.7	56.1	57.9	54.5	74.7
4:28:59 PM	56.8	60.3	54.9	75.8	56.7	60.3	54.9	75.8
4:29:59 PM	55.3	56.8	53.9	73.8	55.3	56.8	53.9	73.7
4:30:59 PM	56.7	60.5	55.1	74.2	56.7	60.5	55.1	74.3
4:31:59 PM	56.1	60.5	54.8	74.7	56.1	60.5	54.8	74.7
4:32:59 PM	57.1	63.4	55.5	80.9	57	63.3	55.5	80.9
4:33:59 PM	59.2	64.6	55.2	77.5	59.2	64.6	55.2	77.4
4:34:59 PM	60.3	72	55.3	87.8	60.3	72	55.3	87.8
4:35:59 PM	58.7	62.8	56.6	76.1	58.7	62.8	56.6	76.1
4:36:59 PM	56.3	57.9	55.1	71.7	56.3	57.9	55.1	71.6
4:37:59 PM	57.6	62.6	56	79.1	57.6	62.6	56	79
4:38:59 PM	56.2	57.1	55.3	70.9	56.2	57.1	55.3	70.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
4:39:59 PM	57.4	59.2	55.7	73.1	57.4	59.2	55.7	72.9
4:40:59 PM	57.1	59.6	56.2	75.5	57.1	59.6	56.2	75.5
4:41:59 PM	59.4	64.7	57.2	81.9	59.4	64.7	57.2	82
4:42:59 PM	58.4	60	57	76.6	58.4	60	57	76.7
4:43:59 PM	58.7	60.8	57	76.9	58.7	60.8	57	77
4:44:59 PM	58.6	61.2	57	75.4	58.6	61.2	57	75.4
4:45:59 PM	57.8	60.2	56.9	74.7	57.8	60.2	56.9	74.8
4:46:59 PM	57.4	60.3	56.5	76.7	57.4	60.3	56.5	76.7
4:47:59 PM	56.6	58	55.7	71.8	56.6	58	55.6	71.9
4:48:59 PM	57.3	60.6	55.4	72.9	57.3	60.6	55.4	72.9
4:49:59 PM	56.6	58.4	54.8	72.1	56.6	58.4	54.8	72
4:50:59 PM	56.4	58.2	55	73.2	56.4	58.2	55	73
4:51:59 PM	57.8	62.6	55.2	76	57.8	62.6	55.2	76.1
4:52:59 PM	57.5	59.8	56.5	75.6	57.5	59.8	56.5	75.5
4:53:59 PM	57.7	60.5	56.2	74.4	57.7	60.5	56.2	74.4
4:54:59 PM	58.1	59.8	55.8	73.8	58.1	59.8	55.8	73.9
4:55:59 PM	56.9	59.9	55.8	77.4	56.9	59.9	55.8	77.3
4:56:59 PM	56.4	58.4	55.2	72.9	56.4	58.4	55.2	72.9
4:57:59 PM	59.4	63	56.3	77.5	59.4	63	56.3	77.6
4:58:59 PM	60.1	66.7	54.9	75.8	60.1	66.7	54.9	75.8
4:59:59 PM	60.7	65.7	56.2	76.2	60.7	65.7	56.2	76.3
5:00:59 PM	59.9	64.3	54.8	76.3	59.9	64.3	54.8	76.3
5:01:59 PM	61.3	66.2	55.9	77.8	61.3	66.3	55.9	77.9
5:02:59 PM	56.3	61.4	53.1	79	56.3	61.4	53.1	79
5:03:59 PM	55.4	57.9	53.2	72.2	55.4	57.9	53.2	72.3
5:04:59 PM	56.3	61.4	54	74.3	56.3	61.4	54	74.3
5:05:59 PM	55.9	62.3	53.7	80.4	55.9	62.3	53.7	80.3
5:06:59 PM	55.1	58.3	53.1	73.8	55.1	58.3	53.1	73.6
5:07:59 PM	55.9	58.4	54.2	80.7	55.9	58.3	54.2	80.7
5:08:59 PM	56.1	58.9	53.8	71.3	56.1	58.9	53.8	71.5
5:09:59 PM	55.5	59	54	74.7	55.5	59	54	74.7
5:10:59 PM	55.7	57.5	54.2	70.4	55.7	57.5	54.2	70.6
5:11:59 PM	55	56.1	54.1	70.1	55	56.1	54.1	70.1
5:12:59 PM	55.9	58.9	53.9	73.2	55.9	58.9	53.9	73.2
5:13:59 PM	56.8	59.8	55.5	76.3	56.8	59.8	55.5	76.3
5:14:59 PM	57.2	62.3	55.2	76.4	57.2	62.3	55.2	76.3
5:15:59 PM	57.6	60.5	55.8	74.2	57.6	60.5	55.8	74.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
5:16:59 PM	56.2	58.8	54.7	71.7	56.2	58.8	54.7	71.7
5:17:59 PM	58.9	61.7	55.5	76.8	58.9	61.7	55.5	76.7
5:18:59 PM	63.7	70.7	55.9	84.6	63.7	70.7	55.9	84.6
5:19:59 PM	55.4	57.7	54.1	70.6	55.4	57.7	54.1	70.7
5:20:59 PM	55.9	57.6	54.2	73.2	55.9	57.6	54.2	73.1
5:21:59 PM	55.5	58.8	53.9	70.8	55.5	58.8	53.9	70.7
5:22:59 PM	55	59.6	53.7	71.9	55	59.6	53.7	71.8
5:23:59 PM	56.3	60.5	54	73.4	56.3	60.5	54	73.5
5:24:59 PM	55.4	58.7	53.6	76.8	55.4	58.7	53.6	76.8
5:25:59 PM	57.4	63.1	54.6	76.6	57.4	63.1	54.7	76.6
5:26:59 PM	56.9	60.1	55	75.1	56.9	60.1	55	75.1
5:27:59 PM	59.8	73.2	54.3	93.7	59.8	73.2	54.3	93.7
5:28:59 PM	56.8	64.5	54.3	86	56.8	64.5	54.3	86
5:29:59 PM	56.5	60.6	54.7	73.5	56.5	60.6	54.7	73.5
5:30:59 PM	57.7	64.1	54	81.6	57.7	64.1	53.9	81.6
5:31:59 PM	57.1	62.8	54.3	75.5	57.1	62.8	54.3	75.4
5:32:59 PM	56.8	60.2	55.1	72.9	56.8	60.2	55.1	73
5:33:59 PM	55.9	59.2	54.4	73.4	55.9	59.2	54.4	73.5
5:34:59 PM	54.8	56.3	54	70	54.8	56.3	54	69.9
5:35:59 PM	56.5	59.1	54.3	77.4	56.5	59.1	54.3	77.4
5:36:59 PM	56.2	62	53.7	80.8	56.2	62	53.7	80.8
5:37:59 PM	56.6	66.5	54.1	85.7	56.6	66.5	54.1	85.7
5:38:59 PM	55.8	57.5	54.2	70.6	55.8	57.5	54.2	70.5
5:39:59 PM	55.6	59	53.6	74.5	55.6	59	53.6	74.4
5:40:59 PM	58.4	72.1	53.9	92.2	58.4	72.1	53.9	92.2
5:41:59 PM	62.9	76.4	54.6	93	62.9	76.4	54.5	93
5:42:59 PM	55.6	57	54.6	71.2	55.6	57	54.6	71.3
5:43:59 PM	55.4	57.7	54.4	71.2	55.4	57.7	54.4	71.1
5:44:59 PM	56.4	58.2	55.3	71.6	56.4	58.2	55.3	71.5
5:45:59 PM	56.4	59.4	55.1	74.4	56.4	59.4	55	74.3
5:46:59 PM	57	59.7	55.8	75.6	57	59.7	55.8	75.6
5:47:59 PM	56.6	57.3	55.7	71.9	56.6	57.3	55.7	71.8
5:48:59 PM	56.9	58.6	55.7	71.5	56.9	58.6	55.7	71.5
5:49:59 PM	57.3	62	55.4	76.5	57.3	62	55.4	76.5
5:50:59 PM	56.4	62.3	55.4	74.3	56.4	62.3	55.3	74.2
5:51:59 PM	56.5	57.1	56	70.8	56.5	57.1	56	70.6
5:52:59 PM	56.3	58.4	54.8	73.5	56.3	58.4	54.8	73.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
5:53:59 PM	56.5	59.9	55.2	73	56.5	59.9	55.2	72.9
5:54:59 PM	55.5	57	54.7	71.2	55.6	57	54.7	71.2
5:55:59 PM	55.6	57.4	54.3	70.4	55.6	57.4	54.4	70.4
5:56:59 PM	54.6	58.2	53.6	76.7	54.6	58.2	53.7	76.7
5:57:59 PM	56	59.8	54	79.1	56	59.8	54	79.1
5:58:59 PM	70.5	86	53.9	106.3	70.5	86	53.9	106.3
5:59:59 PM	55.4	58.2	53.8	71.5	55.4	58.1	53.8	71.4
6:00:59 PM	57.1	60.3	54.7	74.3	57.1	60.3	54.7	74.2
6:01:59 PM	55.1	57.7	54	77.3	55.1	57.7	54	77.3
6:02:59 PM	55.1	57.1	54.4	72.9	55.1	57.1	54.4	72.9
6:03:59 PM	56.6	61	54.8	82.1	56.6	61	54.8	82.1
6:04:59 PM	55.9	60.4	54.6	73.3	55.9	60.4	54.6	73.3
6:05:59 PM	55.3	58.7	54.5	77.4	55.3	58.7	54.5	77.4
6:06:59 PM	56.6	59.2	55.1	78	56.6	59.2	55.1	78
6:07:59 PM	56.5	58.8	54.8	76.6	56.5	58.8	54.8	76.6
6:08:59 PM	56	56.9	55.1	70.1	56	56.9	55.1	70.2
6:09:59 PM	55.7	57.2	54.9	71.9	55.7	57.2	54.8	71.7
6:10:59 PM	56.6	60.1	54.9	78.6	56.6	60.1	54.9	78.6
6:11:59 PM	56.2	58.9	55	74.5	56.2	58.9	55	74.5
6:12:59 PM	57.1	59.8	55.2	78	57.1	59.7	55.2	78
6:13:59 PM	73.8	89.1	55	110.3	73.8	89.1	55	110.3
6:14:59 PM	57.2	63.4	55.1	77.7	57.2	63.4	55.2	77.6
6:15:59 PM	55.8	59.3	55.1	77.3	55.8	59.3	55.1	77.3
6:16:59 PM	56.1	57.3	55.3	70.6	56.1	57.3	55.3	70.5
6:17:59 PM	56.7	59.6	55.8	78.7	56.7	59.6	55.8	78.7
6:18:59 PM	56.8	59.8	55.7	76	56.8	59.8	55.7	76
6:19:59 PM	59.6	63.8	57	82.4	59.6	63.8	56.9	82.4
6:20:59 PM	57.5	60.7	55.7	78.5	57.5	60.7	55.7	78.4
6:21:59 PM	57	59.2	55.5	73.4	57	59.2	55.5	73.5
6:22:59 PM	56.3	58.9	55	71.4	56.3	58.9	55	71.3
6:23:59 PM	55.3	56.7	54.2	70.1	55.3	56.7	54.2	70.2
6:24:59 PM	55.7	58.2	54.7	73.1	55.7	58.2	54.7	73.1
6:25:59 PM	55.5	59	54.4	73.4	55.5	59	54.4	73.2
6:26:59 PM	56.1	60.1	53.9	75.8	56.1	60.1	53.9	75.8
6:27:59 PM	54.6	55.8	53.6	71.1	54.6	55.8	53.6	71.3
6:28:59 PM	55.1	56.9	53.9	72.2	55.1	56.9	53.9	72.2
6:29:59 PM	55.2	58.4	53.9	76.8	55.2	58.4	53.9	76.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
6:30:59 PM	58	63.7	53.7	84.6	58	63.7	53.7	84.5
6:31:59 PM	54.6	56.9	53.5	72.3	54.6	56.9	53.5	72.3
6:32:59 PM	54.6	57.3	52.8	71	54.6	57.3	52.8	70.9
6:33:59 PM	56.5	59.6	52.8	75.3	56.5	59.6	52.8	75.1
6:34:59 PM	54.6	58.9	52.9	75.7	54.6	58.9	52.9	75.7
6:35:59 PM	57.3	62	51.7	75.2	57.3	62	51.7	75.2
6:36:59 PM	55.7	62.5	52.9	74.8	55.7	62.5	52.9	74.8
6:37:59 PM	56.5	63.4	53	78	56.5	63.4	53	77.9
6:38:59 PM	55	57.5	52.1	71.3	55	57.5	52.1	71.3
6:39:59 PM	65.1	80.2	53	98.7	65.1	80.2	53	98.7
6:40:59 PM	55.1	57.9	52.2	72.4	55.1	57.9	52.2	72.4
6:41:59 PM	53.7	55.1	52.3	68.8	53.7	55.1	52.3	68.7
6:42:59 PM	54.7	58.4	52.7	74	54.7	58.4	52.7	73.9
6:43:59 PM	53.2	56.4	52	71.9	53.2	56.4	52	72
6:44:59 PM	53.4	55.8	52.4	71.6	53.4	55.8	52.4	71.6
6:45:59 PM	53.6	55.4	52	68	53.6	55.4	52	68
6:46:59 PM	55.7	60.4	53.9	79.8	55.7	60.4	53.9	79.8
6:47:59 PM	55.2	57.9	53	74.4	55.2	57.9	53	74.2
6:48:59 PM	55.6	63.2	53.2	76.8	55.6	63.2	53.2	76.7
6:49:59 PM	55.1	62.7	53	73.2	55.1	62.7	53.1	73.2
6:50:59 PM	54.3	58.7	53.1	76.8	54.3	58.7	53.1	76.8
6:51:59 PM	54.8	57.2	53.6	74.2	54.8	57.2	53.6	74.2
6:52:59 PM	53.6	54.3	53.1	68.2	53.6	54.3	53.1	68.1
6:53:59 PM	54.1	56	53.4	72.6	54.1	56	53.4	72.5
6:54:59 PM	54.2	55.4	53.3	68.5	54.2	55.4	53.3	68.5
6:55:59 PM	53.6	54.4	53.1	68.2	53.6	54.4	53.1	68.2
6:56:59 PM	53.5	54.7	52.5	68.5	53.5	54.7	52.5	68.5
6:57:59 PM	54.7	56.6	53.8	70.1	54.7	56.6	53.8	70.1
6:58:59 PM	54.8	57	53.5	71.8	54.8	57	53.5	71.7
6:59:59 PM	55.1	58.6	53.6	71.1	55.1	58.6	53.6	71.1
7:00:59 PM	55.9	62.8	53.5	79.7	55.9	62.8	53.5	79.7
7:01:59 PM	55.8	62.1	53.7	78.2	55.8	62.1	53.7	78.2
7:02:59 PM	56.1	62.6	54.1	79.1	56.1	62.6	54.1	79.1
7:03:59 PM	56.2	62.3	53.1	79	56.2	62.3	53.1	79
7:04:59 PM	55	60.5	53.9	70.6	55.1	60.5	53.9	70.7
7:05:59 PM	55.4	62.6	53.8	78.7	55.4	62.6	53.8	78.6
7:06:59 PM	57.6	66.9	53.5	79.3	57.6	66.9	53.5	79.3

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7:07:59 PM	63.5	71.4	54.1	83.4	63.4	71.4	54.1	83.5
7:08:59 PM	55.1	58.4	53.9	71	55.1	58.4	53.9	71.1
7:09:59 PM	54.5	61.3	53	78.9	54.5	61.3	53	78.9
7:10:59 PM	54	55.3	53.4	68.7	54	55.3	53.4	68.6
7:11:59 PM	55	59.3	53.7	74.2	55	59.3	53.7	74.2
7:12:59 PM	54.8	59.6	53.6	74.5	54.8	59.6	53.6	74.6
7:13:59 PM	57	63.6	53.5	75.6	57	63.6	53.5	75.6
7:14:59 PM	54.8	61.6	52.5	78.2	54.8	61.6	52.5	78.2
7:15:59 PM	53.1	55.4	52	69.1	53.1	55.4	52	68.9
7:16:59 PM	62.7	70.8	52.7	83.5	62.7	70.8	52.6	83.4
7:17:59 PM	54.6	58.1	52.2	72.3	54.6	58.1	52.2	72.1
7:18:59 PM	55.8	60.1	52.4	75.2	55.8	60.1	52.4	75.3
7:19:59 PM	56.6	67.1	52.5	79.7	56.6	67.1	52.5	79.7
7:20:59 PM	55.5	60.5	51.8	73.2	55.5	60.5	51.7	73.2
7:21:59 PM	54.9	59.5	51.2	73.7	54.9	59.5	51.2	73.7
7:22:59 PM	51.4	53.4	50.5	67.5	51.4	53.4	50.5	67.7
7:23:59 PM	51.6	59.8	49.6	74.7	51.6	59.8	49.6	74.8
7:24:59 PM	51.9	54.9	49.6	68.6	51.9	54.9	49.6	68.4
7:25:59 PM	50.4	53.2	49.1	70.3	50.4	53.2	49.1	70.1
7:26:59 PM	52.4	55.1	49.4	71.8	52.4	55.1	49.3	71.8
7:27:59 PM	51	52.7	49.2	68.8	51	52.7	49.2	68.9
7:28:59 PM	52.7	55.8	51.2	68.8	52.7	55.8	51.2	68.6
7:29:59 PM	54.5	57.7	51.2	76.4	54.5	57.7	51.2	76.5
7:30:59 PM	52	56	50.8	74.6	52	56	50.8	74.7
7:31:59 PM	52.2	56.5	51	71.8	52.2	56.5	50.9	71.7
7:32:59 PM	52.8	54.4	51.2	68.4	52.8	54.3	51.2	68.3
7:33:59 PM	53.2	56.5	51.4	69.2	53.2	56.4	51.4	69
7:34:59 PM	57.2	62.8	54.2	80.4	57.2	62.8	54.2	80.4
7:35:59 PM	55.8	60.1	54.1	75.6	55.8	60.1	54.1	75.7
7:36:59 PM	54.8	56.3	53.7	70.7	54.8	56.2	53.6	70.4
7:37:59 PM	54.5	56.6	53.6	70.1	54.5	56.6	53.6	70
7:38:59 PM	55.3	57.2	54.1	72.2	55.2	57.2	54	72.2
7:39:59 PM	55.8	59.5	54.4	73.1	55.8	59.5	54.4	73.1
7:40:59 PM	55.5	57.2	54.6	72.2	55.5	57.2	54.6	72.5
7:41:59 PM	56.1	58.1	54.5	71.4	56.1	58.1	54.5	71.4
7:42:59 PM	54.8	58	53.6	73.1	54.8	58	53.6	73
7:43:59 PM	55.3	59.8	53.4	73.4	55.3	59.8	53.4	73.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7:44:59 PM	53.8	56.3	52	69.9	53.7	56.3	52	69.9
7:45:59 PM	53.9	55.5	52.2	69.1	53.9	55.4	52.2	69.2
7:46:59 PM	54.5	56.4	52.8	70.2	54.5	56.4	52.7	70
7:47:59 PM	52.8	55.2	51.7	68.9	52.8	55.2	51.7	68.9
7:48:59 PM	56.1	61.2	53.2	76.5	56	61.2	53.2	76.4
7:49:59 PM	54.7	59.1	52.4	71.1	54.7	59.1	52.4	71.2
7:50:59 PM	55.9	60	52.8	75.5	55.9	60	52.8	75.4
7:51:59 PM	54.2	56	52.9	69.9	54.1	56	52.9	70
7:52:59 PM	53.9	55.8	52.7	68.7	53.9	55.7	52.7	68.6
7:53:59 PM	57.8	61.4	53	74.1	57.8	61.4	53	74
7:54:59 PM	56.9	60.5	53.7	73.2	56.9	60.5	53.6	73.1
7:55:59 PM	53	54.7	51.4	68.5	53	54.7	51.4	68.3
7:56:59 PM	55	58.7	51.5	72.2	55	58.7	51.5	72.4
7:57:59 PM	54.7	61.8	52.8	77.6	54.6	61.8	52.8	77.7
7:58:59 PM	53.6	58.6	51.8	74.5	53.5	58.6	51.8	74.6
7:59:59 PM	54.5	56.5	52.9	69.8	54.5	56.5	52.9	70
8:00:59 PM	54	56.1	52.2	71.2	54	56.1	52.1	70.8
8:01:59 PM	53.7	56.6	51	72.4	53.7	56.6	51	72.3
8:02:59 PM	54.5	57.9	51.1	72.1	54.5	57.9	51.1	72
8:03:59 PM	54.7	58.9	50.6	72.6	54.7	58.9	50.5	72.5
8:04:59 PM	54.3	63.4	50.1	78.6	54.3	63.4	50.1	78.6
8:05:59 PM	60.3	67.4	50.9	81.7	60.3	67.4	50.9	81.6
8:06:59 PM	58.4	65.1	51	78.4	58.4	65.1	51	78.4
8:07:59 PM	61	73	51.2	85.4	61	73	51.1	85.3
8:08:59 PM	66.5	75.3	52.9	86.3	66.5	75.3	52.9	86.3
8:09:59 PM	60	69.1	51.8	83.5	60	69.1	51.8	83.5
8:10:59 PM	54.4	57.1	51.5	70.5	54.4	57.1	51.5	70.7
8:11:59 PM	58.6	63.5	54.7	77	58.6	63.5	54.7	76.9
8:12:59 PM	55.7	59	53.7	76.3	55.7	58.9	53.7	76.3
8:13:59 PM	56.4	60	53.8	78.3	56.4	60	53.8	78.4
8:14:59 PM	55.9	62.2	54.4	77.8	55.9	62.2	54.4	77.7
8:15:59 PM	56.3	58.1	54.5	72.6	56.3	58.1	54.4	72.6
8:16:59 PM	57.4	61.5	54.8	79.5	57.4	61.5	54.8	79.5
8:17:59 PM	63.9	74.3	53.7	87.1	63.9	74.3	53.7	87.1
8:18:59 PM	56.4	60.6	53.4	75.7	56.4	60.6	53.4	75.7
8:19:59 PM	56.3	60.6	54.5	73.9	56.3	60.6	54.5	74.2
8:20:59 PM	57.1	60.8	55.3	78.3	57.1	60.8	55.3	78.3

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
8:21:59 PM	56.9	59.9	54.9	77.1	56.9	59.8	54.9	77.2
8:22:59 PM	57.4	63.1	54.9	79.4	57.4	63.1	54.9	79.3
8:23:59 PM	55.9	59	54.5	73.1	55.9	59	54.5	73
8:24:59 PM	56.6	58.9	54.9	77.1	56.6	58.9	54.9	77.2
8:25:59 PM	56.7	59.6	53.7	75.9	56.7	59.6	53.7	75.9
8:26:59 PM	56.3	61.4	53.9	79.4	56.3	61.4	53.9	79.3
8:27:59 PM	57	62.4	54.2	80.5	57	62.4	54.2	80.4
8:28:59 PM	55.8	58.2	54.6	71.9	55.8	58.2	54.6	71.6
8:29:59 PM	55.9	58.3	54.3	75.8	55.9	58.3	54.3	75.8
8:30:59 PM	58.9	70.8	54.8	90.7	58.9	70.8	54.8	90.6
8:31:59 PM	56.5	59.3	55	73	56.5	59.3	55	73
8:32:59 PM	56.2	59	54.5	73	56.2	59	54.5	73
8:33:59 PM	55.9	58.2	53.7	73.4	55.9	58.2	53.7	73.2
8:34:59 PM	55.7	58.3	54.2	74	55.7	58.3	54.2	73.9
8:35:59 PM	55.6	58.7	54.1	71.9	55.6	58.7	54.1	72
8:36:59 PM	55.6	58	54.3	71.7	55.6	58.1	54.3	71.7
8:37:59 PM	55.9	58.1	54.2	73.5	55.9	58.1	54.2	73.5
8:38:59 PM	56.9	60.2	54.1	74.5	56.9	60.2	54.1	74.3
8:39:59 PM	55.6	57	54.3	70.5	55.6	57	54.3	70.7
8:40:59 PM	55.4	57.2	54	70.9	55.4	57.1	54	71
8:41:59 PM	55.3	57.5	54.3	72.2	55.3	57.5	54.3	72.3
8:42:59 PM	55.2	56.8	54.1	70.4	55.2	56.8	54.1	70.4
8:43:59 PM	55.4	58.1	54	71.3	55.3	58.1	54	71.2
8:44:59 PM	54.9	56.9	53.6	71	54.9	56.8	53.6	71
8:45:59 PM	54.4	57.1	52.8	74.8	54.4	57.1	52.8	74.7
8:46:59 PM	58.5	61.1	53.2	78.9	58.5	61.1	53.2	78.9
8:47:59 PM	55.2	57.2	53.6	71.2	55.2	57.2	53.6	71.3
8:48:59 PM	54.6	56.1	53.6	70.8	54.5	56.1	53.5	70.7
8:49:59 PM	54.1	56.7	52.7	70.2	54.1	56.7	52.7	70.4
8:50:59 PM	53.6	55.9	52.2	70.1	53.6	55.8	52.2	70
8:51:59 PM	56.5	68.3	52.5	80.6	56.5	68.3	52.4	80.7
8:52:59 PM	62.8	72.7	53.8	87.3	62.8	72.7	53.8	87.3
8:53:59 PM	54.6	57	52.3	70.6	54.6	57	52.3	70.7
8:54:59 PM	56.4	63.3	53	74.8	56.4	63.3	53	74.8
8:55:59 PM	54	56.3	52.2	69.7	54	56.3	52.2	69.9
8:56:59 PM	54.1	58	51.7	70.4	54.1	58	51.7	70.3
8:57:59 PM	54.7	58.6	51.8	71.4	54.7	58.5	51.8	71.3

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
8:58:59 PM	54.4	56.4	51.7	70	54.4	56.4	51.7	70
8:59:59 PM	53.7	55.9	52	69.7	53.6	55.9	52	69.5
9:00:59 PM	53.9	56.5	52.5	70.8	53.9	56.5	52.5	70.8
9:01:59 PM	53.5	55.2	52.2	70.3	53.5	55.2	52.2	70.4
9:02:59 PM	53.3	55	52.3	68.9	53.3	55	52.3	68.9
9:03:59 PM	53.5	56.4	52.4	69.2	53.5	56.4	52.3	69.5
9:04:59 PM	54.6	58.8	51.9	73.9	54.5	58.8	51.9	73.9
9:05:59 PM	55.1	60	51.5	73.6	55.1	60	51.6	73.6
9:06:59 PM	53.7	55.7	51.7	69.8	53.7	55.7	51.6	69.6
9:07:59 PM	54.5	61.6	51.4	74.1	54.5	61.6	51.4	74.1
9:08:59 PM	52.7	55	51.3	68.2	52.7	55	51.2	68.3
9:09:59 PM	53.1	55.1	51.2	69.3	53.1	55.1	51.2	69.4
9:10:59 PM	55.2	59.6	52.2	75.8	55.1	59.6	52.2	76
9:11:59 PM	57.9	68.4	51.4	82.7	57.9	68.4	51.4	82.7
9:12:59 PM	54.1	63.1	51.8	71.8	54.1	63.1	51.8	71.8
9:13:59 PM	58.1	67.2	52.4	82.3	58.1	67.2	52.4	82.3
9:14:59 PM	55.5	62.6	51.9	76.3	55.5	62.6	51.9	76.4
9:15:59 PM	53.3	55.6	51.8	69.8	53.3	55.6	51.8	69.6
9:16:59 PM	53.4	55.6	52.1	69.6	53.4	55.6	52.1	69.8
9:17:59 PM	53.5	56.6	51.9	69.6	53.5	56.6	51.9	69.6
9:18:59 PM	52.9	55.3	51.5	68.9	52.9	55.3	51.5	69.3
9:19:59 PM	53.2	56	52.1	70.3	53.2	56	52.1	70.2
9:20:59 PM	54.1	57.4	52.2	71.3	54.1	57.4	52.2	71.2
9:21:59 PM	54.6	57.6	52.6	71	54.6	57.6	52.6	71.1
9:22:59 PM	55.7	58.7	53.2	71.9	55.6	58.7	53.2	71.8
9:23:59 PM	55.2	57.6	53.6	71.4	55.2	57.6	53.6	71.3
9:24:59 PM	55.8	58.7	54.5	72.9	55.8	58.7	54.5	72.9
9:25:59 PM	55.6	57.7	53.9	72.1	55.5	57.7	53.9	72.1
9:26:59 PM	55.9	58.4	54.5	71.8	55.9	58.4	54.5	71.6
9:27:59 PM	57	60.4	55	76.3	57	60.4	55	76.3
9:28:59 PM	54.9	57.4	53.8	71.7	54.9	57.4	53.8	71.6
9:29:59 PM	55.3	57.9	53.2	72.1	55.3	57.9	53.2	72.1
9:30:59 PM	55.4	57.7	54.1	71.3	55.4	57.7	54.1	71.3
9:31:59 PM	55.2	58.1	53.9	74	55.2	58.1	53.9	73.8
9:32:59 PM	58.3	62.8	54	75.9	58.3	62.8	54	75.9
9:33:59 PM	56.7	59.2	55	72.1	56.7	59.2	55	72
9:34:59 PM	55.5	58.2	53.9	74.8	55.5	58.2	53.8	74.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:35:59 PM	55.5	57.4	54.2	71.3	55.5	57.4	54.2	71.4
9:36:59 PM	55.5	57.9	53.7	71.2	55.5	57.9	53.7	71.2
9:37:59 PM	58.3	60.9	54.9	74.4	58.3	60.9	54.9	74.3
9:38:59 PM	56.3	58.9	54	74.8	56.3	58.8	54	74.9
9:39:59 PM	55	57.7	52.6	71.9	55	57.7	52.6	71.7
9:40:59 PM	53.8	58.8	52.1	71.5	53.8	58.8	52.1	71.4
9:41:59 PM	56.6	63.6	51.5	76.3	56.6	63.6	51.5	76.4
9:42:59 PM	53.1	56.1	50.1	72.4	53.1	56.1	50.1	72.6
9:43:59 PM	54.3	56.8	50.4	73.5	54.3	56.8	50.4	73.5
9:44:59 PM	54	56.9	51.3	72.9	54	56.9	51.3	72.8
9:45:59 PM	54.2	56.7	51.8	72.7	54.2	56.7	51.8	72.7
9:46:59 PM	54.8	57.1	53.3	73.4	54.8	57.1	53.3	73.4
9:47:59 PM	55.2	57.7	53.3	73.4	55.2	57.7	53.3	73.3
9:48:59 PM	53.6	57.2	50.3	73.2	53.6	57.2	50.3	73.3
9:49:59 PM	54.5	56.7	52.4	72.4	54.4	56.7	52.4	72.4
9:50:59 PM	54.5	56.9	51.5	73.2	54.5	56.9	51.5	73.1
9:51:59 PM	56.8	59.8	52	75.3	56.8	59.8	52	75.3
9:52:59 PM	55.3	57.4	53.4	74.8	55.3	57.4	53.4	75
9:53:59 PM	56.8	59.7	51.4	75.7	56.8	59.7	51.4	75.7
9:54:59 PM	57.5	60.1	51.2	76.4	57.5	60.1	51.2	76.4
9:55:59 PM	58.4	62.8	53.7	77	58.4	62.8	53.7	77.1
9:56:59 PM	58.2	59.9	55.5	77.3	58.2	59.9	55.5	77.4
9:57:59 PM	58.2	60.2	55.4	77.5	58.2	60.2	55.4	77.5
9:58:59 PM	59	61.3	56.5	77.9	59	61.3	56.5	78
9:59:59 PM	60.2	62	58	79.6	60.2	62	58	79.6
10:00:59 PM	60.9	62.2	59.2	80.3	60.9	62.2	59.2	80.2
10:01:59 PM	61.2	62.6	59.8	79.7	61.2	62.6	59.8	79.7
10:02:59 PM	60.7	62.1	58.8	80.5	60.7	62.1	58.8	80.5
10:03:59 PM	61.9	69.1	59.8	83.1	61.9	69.1	59.8	83.2
10:04:59 PM	62.6	68.4	58.2	82.1	62.6	68.5	58.2	82.1
10:05:59 PM	62.2	70.2	59.8	85.1	62.2	70.2	59.8	85.1
10:06:59 PM	61.3	62.7	59.5	80.5	61.3	62.7	59.4	80.6
10:07:59 PM	62	63.8	60.3	80.1	62	63.8	60.3	80.1
10:08:59 PM	62.5	63.7	60.5	80.5	62.5	63.7	60.5	80.4
10:09:59 PM	60.9	62.9	57.9	80.1	60.9	62.9	57.9	80.1
10:10:59 PM	63.1	64.6	60	81.3	63.1	64.6	60	81.3
10:11:59 PM	63	64.3	61.7	81.5	63.1	64.3	61.7	81.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
10:12:59 PM	63	64.2	61.8	80.5	63	64.2	61.8	80.5
10:13:59 PM	63.3	65.2	61.9	81.1	63.3	65.2	61.9	81.2
10:14:59 PM	63.5	64.8	62.1	83.1	63.5	64.8	62.2	83.1
10:15:59 PM	63.3	70.4	60.6	83.7	63.3	70.4	60.6	83.7
10:16:59 PM	62.6	66.9	61	80.6	62.6	66.9	61	80.5
10:17:59 PM	62.6	64.9	61.5	80.3	62.6	64.9	61.5	80.3
10:18:59 PM	62.7	63.8	61.5	79.9	62.7	63.8	61.5	79.9
10:19:59 PM	61.6	63.5	60	79.9	61.6	63.5	60	79.9
10:20:59 PM	61.8	63.2	60.4	79.5	61.8	63.2	60.4	79.4
10:21:59 PM	61.2	63	57	80.6	61.2	63.1	57	80.6
10:22:59 PM	61.4	63	58.9	80.7	61.4	63	58.9	80.7
10:23:59 PM	61.2	63.5	59.4	78.9	61.2	63.5	59.4	78.8
10:24:59 PM	61.2	62.8	59	79.8	61.2	62.8	59	79.8
10:25:59 PM	61.9	63.1	59.7	80	61.9	63.1	59.7	80
10:26:59 PM	61.8	63.5	58.4	79.2	61.8	63.5	58.4	79.2
10:27:59 PM	60.5	63	54.3	79.6	60.5	63	54.3	79.6
10:28:59 PM	62.6	67.3	61.2	81.3	62.6	67.3	61.2	81.3
10:29:59 PM	62.4	63.6	60.7	80.5	62.4	63.6	60.7	80.5
10:30:59 PM	62.8	64.1	61.2	82.6	62.8	64.1	61.2	82.6
10:31:59 PM	64	65.3	62.8	80.6	64	65.3	62.8	80.7
10:32:59 PM	64.8	66.5	63.4	83.4	64.8	66.5	63.4	83.3
10:33:59 PM	65.4	70.6	63.1	83.6	65.4	70.6	63.1	83.5
10:34:59 PM	64.2	65.4	62.6	81.6	64.2	65.4	62.6	81.6
10:35:59 PM	64.5	65.8	62.8	81.9	64.5	65.8	62.8	81.9
10:36:59 PM	65.4	66.3	64.6	83	65.4	66.3	64.6	83
10:37:59 PM	65.4	66	64.5	81.7	65.4	66	64.5	81.8
10:38:59 PM	65.3	66.1	64.5	82.3	65.3	66.1	64.5	82.4
10:39:59 PM	65.1	65.9	64.4	81.6	65.1	65.8	64.4	81.6
10:40:59 PM	66	67.1	64	84.2	66	67.1	64	84.2
10:41:59 PM	66.3	67.2	65.5	84.9	66.3	67.2	65.5	84.8
10:42:59 PM	65.3	66.8	64.2	83.9	65.3	66.8	64.2	83.9
10:43:59 PM	65.1	66	64.2	82.4	65.1	66	64.2	82.4
10:44:59 PM	65.7	66.3	65	82.9	65.7	66.3	65	82.9
10:45:59 PM	65.1	67.5	63.5	84.8	65.1	67.5	63.5	84.8
10:46:59 PM	64.6	65.5	63.7	82.3	64.6	65.5	63.7	82.3
10:47:59 PM	65.2	66.2	64.1	82.1	65.2	66.2	64.1	82.1
10:48:59 PM	65.9	66.6	64.6	84	65.9	66.6	64.6	83.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
10:49:59 PM	65.9	66.7	64.9	83.7	65.9	66.7	64.9	83.7
10:50:59 PM	66.2	66.9	65.6	83.9	66.2	66.9	65.6	83.9
10:51:59 PM	66.1	66.9	65.1	83.4	66.1	66.9	65.1	83.5
10:52:59 PM	66	67	65.2	83.7	66	67	65.2	83.7
10:53:59 PM	65.8	66.5	64.8	85.2	65.8	66.5	64.8	85.2
10:54:59 PM	65.7	66.5	65	83.4	65.7	66.5	65	83.4
10:55:59 PM	65.8	66.8	64.6	83.2	65.8	66.8	64.6	83.2
10:56:59 PM	66.1	66.9	65.2	83.7	66	66.9	65.2	83.7
10:57:59 PM	65.8	66.4	65.3	83.8	65.8	66.4	65.3	83.9
10:58:59 PM	65.8	66.5	64.8	83.3	65.8	66.5	64.8	83.4
10:59:59 PM	66.6	70.8	64.4	85.1	66.6	70.8	64.4	85
11:00:59 PM	65.7	66.3	65	82.9	65.6	66.3	65	82.9
11:01:59 PM	65.7	66.3	64.4	83.4	65.7	66.3	64.4	83.4
11:02:59 PM	65.1	65.9	64.3	82.1	65.1	65.9	64.3	82.1
11:03:59 PM	65.4	66.1	64.4	82.9	65.4	66.1	64.4	82.9
11:04:59 PM	65.5	66.1	64.4	82.9	65.5	66.1	64.4	82.9
11:05:59 PM	65.6	66.8	64.4	82.6	65.6	66.8	64.4	82.7
11:06:59 PM	65.6	66.8	64.1	82.4	65.6	66.8	64.1	82.4
11:07:59 PM	65.7	66.5	64.5	82.9	65.7	66.5	64.5	82.9
11:08:59 PM	65.6	66.4	64.5	83.1	65.6	66.4	64.5	83.1
11:09:59 PM	65.7	66.7	64.7	83.7	65.7	66.7	64.7	83.7
11:10:59 PM	66	66.6	65.4	84	66	66.6	65.4	84
11:11:59 PM	65.9	66.5	65.3	83.4	65.9	66.5	65.3	83.4
11:12:59 PM	65.8	66.7	64.4	84	65.8	66.7	64.4	84
11:13:59 PM	65.8	66.7	65.1	83.4	65.8	66.7	65.1	83.5
11:14:59 PM	66.2	66.8	65.4	82.9	66.2	66.8	65.4	83
11:15:59 PM	65.5	66.2	64.7	83.8	65.5	66.2	64.7	83.8
11:16:59 PM	65.8	66.3	65.2	84.2	65.8	66.3	65.2	84.2
11:17:59 PM	65.9	66.5	65.2	84.2	65.9	66.5	65.2	84.3
11:18:59 PM	65.9	66.6	65.1	84	65.9	66.6	65.1	84
11:19:59 PM	66	66.7	65.2	83.7	66	66.7	65.2	83.7
11:20:59 PM	65.9	66.9	64.6	83.5	65.9	66.9	64.6	83.5
11:21:59 PM	66.3	67.2	65.2	83.6	66.3	67.2	65.2	83.6
11:22:59 PM	66.3	66.9	65.6	83.5	66.3	66.9	65.6	83.5
11:23:59 PM	66.1	66.8	65.2	83.3	66.1	66.8	65.2	83.3
11:24:59 PM	65.9	66.6	64.7	83.6	65.9	66.6	64.7	83.7
11:25:59 PM	66.3	67.3	64.8	83.2	66.3	67.3	64.8	83.3

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
11:26:59 PM	66.5	67.1	65.8	83.5	66.5	67.1	65.8	83.5
11:27:59 PM	66.4	67.4	65.2	83.3	66.4	67.4	65.2	83.3
11:28:59 PM	66.5	67.2	65.8	83.6	66.5	67.2	65.8	83.6
11:29:59 PM	66.1	66.9	64.5	82.6	66.1	66.9	64.5	82.6
11:30:59 PM	66.2	66.8	65.5	83.8	66.2	66.8	65.5	83.8
11:31:59 PM	66.2	66.8	65.1	83.7	66.2	66.8	65.1	83.7
11:32:59 PM	65.7	66.6	64.2	83.4	65.7	66.6	64.2	83.4
11:33:59 PM	65	66.6	60	84.4	65	66.6	60	84.4
11:34:59 PM	65.8	66.7	64.8	83.3	65.8	66.7	64.8	83.3
11:35:59 PM	66	66.6	65	82.9	66	66.6	65	82.9
11:36:59 PM	66	67.4	64.9	83	66	67.4	64.9	83
11:37:59 PM	66.5	67.5	65.7	83.9	66.5	67.5	65.7	84
11:38:59 PM	66.4	74.8	63.1	92	66.4	74.8	63.1	92
11:39:59 PM	67.8	74.8	64.8	88	67.8	74.8	64.8	87.9
11:40:59 PM	66.1	67.2	65.1	85.5	66.1	67.2	65.1	85.5
11:41:59 PM	66.4	67.2	65.5	83.9	66.4	67.2	65.5	83.9
11:42:59 PM	66	67.2	64.9	84.2	66	67.2	64.9	84.2
11:43:59 PM	66.3	67.2	64.5	84.5	66.3	67.2	64.5	84.5
11:44:59 PM	66.5	67.6	65.7	85	66.5	67.6	65.7	85
11:45:59 PM	66.3	67.1	65.3	83.7	66.3	67.1	65.3	83.7
11:46:59 PM	66.1	67	64.7	84	66.1	67	64.7	84
11:47:59 PM	66	67	64.8	83.6	66	67	64.8	83.6
11:48:59 PM	66.2	67.1	65.1	84.6	66.2	67.1	65.1	84.6
11:49:59 PM	66	67	64.8	83.6	66	67	64.8	83.6
11:50:59 PM	66.2	67.2	65.2	84.1	66.2	67.2	65.2	84.2
11:51:59 PM	66.1	67	64.9	83.9	66.1	67	64.9	84
11:52:59 PM	66	66.8	65	85.2	66	66.8	65	85.2
11:53:59 PM	65.6	66.6	64	84.9	65.6	66.6	64	85
11:54:59 PM	65.9	66.8	64.8	83.3	65.9	66.8	64.8	83.2
11:55:59 PM	65.8	66.6	63.8	83.4	65.8	66.6	63.8	83.4
11:56:59 PM	66	67	64.2	83.8	66	67	64.2	83.8
11:57:59 PM	65.6	66.9	63.5	84	65.6	66.9	63.5	83.9
11:58:59 PM	66	67	64.7	83.3	66	67	64.7	83.3
11:59:59 PM	65.9	66.7	64.6	83.6	65.9	66.7	64.6	83.5
7/23/2021 12:00:59 AM	65.1	66.6	63.6	83.9	65.1	66.6	63.6	84
12:01:59 AM	65.1	66.3	63.4	83.6	65.1	66.3	63.4	83.6
12:02:59 AM	65.1	66.4	63.6	82.9	65.1	66.4	63.6	82.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
12:03:59 AM	65	67	63.7	81.6	65	67	63.7	81.6
12:04:59 AM	64.5	66.3	63	82.8	64.5	66.3	63	82.8
12:05:59 AM	63.7	64.6	62.7	81.5	63.7	64.6	62.7	81.5
12:06:59 AM	63.5	64.5	61.5	81	63.5	64.5	61.5	81
12:07:59 AM	63.6	64.4	62.8	81.4	63.6	64.4	62.8	81.4
12:08:59 AM	63	64.2	61.1	81.4	63	64.2	61.1	81.4
12:09:59 AM	63.3	64.3	62.4	80.7	63.3	64.3	62.4	80.7
12:10:59 AM	62.5	63.8	61.1	80.3	62.5	63.8	61.1	80.3
12:11:59 AM	63.6	64.9	62	81.4	63.6	64.9	62	81.5
12:12:59 AM	64.2	64.9	63	81.5	64.2	64.9	63	81.5
12:13:59 AM	63.7	64.5	62.6	80.3	63.7	64.5	62.6	80.4
12:14:59 AM	63.4	64.4	62.3	81.6	63.4	64.4	62.3	81.6
12:15:59 AM	63.6	64.3	62.5	81.6	63.6	64.3	62.5	81.6
12:16:59 AM	63.6	64.4	61.6	80.5	63.6	64.4	61.6	80.5
12:17:59 AM	63.5	64.3	62.3	81.1	63.5	64.3	62.3	81.2
12:18:59 AM	63.6	64.5	62.2	81.4	63.6	64.4	62.2	81.4
12:19:59 AM	63.5	64.4	62.4	80.9	63.5	64.4	62.4	80.8
12:20:59 AM	63.1	64	61.8	80.6	63.1	64	61.8	80.8
12:21:59 AM	63.2	63.9	61.9	81.8	63.2	63.9	61.9	81.8
12:22:59 AM	63.8	64.9	62.8	80.6	63.8	64.9	62.8	80.6
12:23:59 AM	63.7	64.7	62.8	83.2	63.7	64.7	62.8	83.2
12:24:59 AM	63.8	64.4	62.8	82	63.8	64.4	62.8	82.1
12:25:59 AM	63.8	64.4	63	81.3	63.8	64.4	63	81.3
12:26:59 AM	63.8	64.5	63	80.4	63.8	64.5	63	80.4
12:27:59 AM	63.6	64.3	62	82	63.6	64.3	62	82
12:28:59 AM	63.4	64.2	62	81.8	63.4	64.2	62	81.9
12:29:59 AM	63.1	64.1	62.2	80.9	63.1	64.1	62.2	80.9
12:30:59 AM	62.7	63.7	61.4	80.5	62.7	63.7	61.4	80.4
12:31:59 AM	62.6	63.5	61	80.6	62.6	63.5	61	80.7
12:32:59 AM	62.5	63.4	60.4	81.3	62.5	63.4	60.4	81.2
12:33:59 AM	62.6	63.6	61.2	81	62.6	63.6	61.2	81
12:34:59 AM	62.9	63.8	61.8	80.9	62.9	63.8	61.8	80.9
12:35:59 AM	62.9	64	61.8	80.8	62.9	64	61.8	80.8
12:36:59 AM	62.3	63.9	58.7	81.1	62.3	63.9	58.7	81.1
12:37:59 AM	62.3	63.5	59.3	80	62.3	63.5	59.3	79.9
12:38:59 AM	62.5	63.7	60.9	80.1	62.5	63.7	60.9	80.2
12:39:59 AM	62.5	63.7	60.7	81.1	62.5	63.7	60.7	81.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
12:40:59 AM	62.5	63.7	60.9	80.5	62.5	63.7	60.9	80.4
12:41:59 AM	62	63.4	59.8	80.2	62	63.4	59.8	80.2
12:42:59 AM	64.1	71	59.4	82.4	64.1	71	59.4	82.4
12:43:59 AM	61.4	62.8	58.6	80.2	61.4	62.8	58.6	80.1
12:44:59 AM	61.6	62.8	60.1	80.9	61.6	62.8	60.1	80.9
12:45:59 AM	61.8	63	60.5	80.6	61.8	63	60.5	80.6
12:46:59 AM	61.8	62.9	60.2	80	61.7	62.9	60.2	80
12:47:59 AM	61.6	63	60	79.7	61.6	63	60	79.7
12:48:59 AM	61.1	62.8	56.5	79.2	61.1	62.8	56.5	79.2
12:49:59 AM	62	66.8	59.4	81.3	62	66.8	59.4	81.3
12:50:59 AM	62.3	68.1	59.9	80.7	62.3	68.1	59.9	80.6
12:51:59 AM	61.6	62.9	59.6	78.8	61.6	62.9	59.6	78.8
12:52:59 AM	61.1	62.6	59.2	79.4	61.1	62.6	59.2	79.4
12:53:59 AM	59.6	61.9	56.4	77.5	59.6	61.9	56.4	77.5
12:54:59 AM	60.9	62.4	57.6	78.8	60.9	62.4	57.6	78.8
12:55:59 AM	61.3	62.5	59.5	79.6	61.3	62.5	59.5	79.7
12:56:59 AM	61.1	62.6	59.2	79.7	61.1	62.6	59.2	79.7
12:57:59 AM	60.9	62.5	59.2	79.5	60.9	62.5	59.2	79.4
12:58:59 AM	62.1	68.2	59.5	82.3	62.1	68.2	59.5	82.3
12:59:59 AM	62.6	70.3	59.9	82.3	62.5	70.3	59.9	82.3
1:00:59 AM	61.4	62.5	60	81	61.4	62.5	60	80.9
1:01:59 AM	61.7	63.5	60.6	80.8	61.7	63.5	60.6	80.8
1:02:59 AM	60.7	62.5	57.7	78.7	60.7	62.5	57.7	78.7
1:03:59 AM	60.4	62.1	58.5	78.7	60.4	62.1	58.5	78.7
1:04:59 AM	60.1	61.8	58.4	79.4	60.1	61.8	58.4	79.4
1:05:59 AM	59.8	64	57.6	79.6	59.8	64	57.6	79.6
1:06:59 AM	58	59.5	54.4	76.6	58	59.5	54.4	76.5
1:07:59 AM	58.8	60.2	57.1	77.1	58.8	60.2	57.1	77.2
1:08:59 AM	58.5	59.7	56.6	77.2	58.5	59.7	56.5	77.2
1:09:59 AM	58.6	60	56.2	77.5	58.6	59.9	56.2	77.5
1:10:59 AM	59.4	64.9	55.8	78.6	59.4	65	55.8	78.6
1:11:59 AM	58.4	59.5	56.5	77.9	58.4	59.5	56.5	78
1:12:59 AM	58.1	59.2	56.4	77.9	58.1	59.2	56.4	77.9
1:13:59 AM	57.5	59.1	55.2	76.5	57.5	59.1	55.2	76.5
1:14:59 AM	56.3	59.2	54.1	76.5	56.3	59.2	54.1	76.6
1:15:59 AM	58	59.1	56.3	78.5	58	59.1	56.3	78.5
1:16:59 AM	58.3	59.6	55.4	78.2	58.3	59.6	55.4	78.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
1:17:59 AM	58.3	59.3	56.1	77.7	58.3	59.3	56.1	77.9
1:18:59 AM	60.7	69.1	55.9	81.6	60.8	69.1	55.9	81.6
1:19:59 AM	58	59.1	55.6	76.9	58	59.1	55.6	77.1
1:20:59 AM	57.4	59	54.4	76.3	57.4	59	54.4	76.4
1:21:59 AM	57.4	58.9	54.1	76.9	57.4	58.9	54.1	76.9
1:22:59 AM	57.9	59	54.9	76.8	57.9	59	54.9	77
1:23:59 AM	57.5	60	54.9	77.4	57.5	60	54.9	77.4
1:24:59 AM	56.1	58.7	53.1	76	56.1	58.7	53.1	76.1
1:25:59 AM	54.4	56	52.5	71.9	54.4	56	52.5	71.8
1:26:59 AM	55.5	58.3	52.3	76.1	55.5	58.3	52.4	76.2
1:27:59 AM	56.2	58.2	54.3	75	56.2	58.2	54.3	74.9
1:28:59 AM	56.9	58.9	54.9	77.5	56.9	58.9	54.9	77.6
1:29:59 AM	56.6	58.7	53.7	75.4	56.6	58.7	53.7	75.5
1:30:59 AM	55.1	56.7	53.5	72.6	55.1	56.7	53.5	72.6
1:31:59 AM	60.2	68.6	54	81.9	60.2	68.6	54	81.9
1:32:59 AM	55.4	56.8	54	73.3	55.4	56.8	54	73.2
1:33:59 AM	54.6	56.3	53.6	71.3	54.6	56.3	53.6	71.5
1:34:59 AM	54.4	55	53.7	70	54.4	55	53.7	70
1:35:59 AM	53.7	55.1	52.3	70	53.7	55.1	52.3	70.1
1:36:59 AM	54.4	55.6	53.5	71	54.4	55.6	53.5	70.9
1:37:59 AM	53.6	54.2	52.7	68.9	53.6	54.2	52.7	68.8
1:38:59 AM	53.6	56	52	70.3	53.6	56	52	70.2
1:39:59 AM	52.6	53.5	51.7	67.8	52.6	53.5	51.7	67.9
1:40:59 AM	52.5	53.4	52.1	67.1	52.5	53.4	52.1	67.1
1:41:59 AM	54.3	63.9	52.4	78.3	54.3	63.9	52.5	78.3
1:42:59 AM	56.1	65.6	52.3	78.4	56.1	65.6	52.3	78.4
1:43:59 AM	52.7	54.5	51.8	68.6	52.7	54.5	51.9	68.4
1:44:59 AM	52.5	53	52.2	67.7	52.6	53	52.2	67.6
1:45:59 AM	52.6	53.3	51.7	68.1	52.6	53.3	51.8	67.9
1:46:59 AM	52.5	53.2	51.4	67.6	52.5	53.2	51.5	67.6
1:47:59 AM	53	53.7	52.7	68	53	53.7	52.7	68
1:48:59 AM	53.4	54	52.8	68.3	53.5	54	52.9	68.6
1:49:59 AM	52.8	53.5	52.2	67.2	52.8	53.6	52.2	67.6
1:50:59 AM	52.7	53.1	52	67.1	52.7	53.1	52	66.8
1:51:59 AM	52.5	52.9	51.9	66.8	52.5	53	51.9	66.6
1:52:59 AM	52.8	53.6	52.1	67.2	52.8	53.6	52.1	67.3
1:53:59 AM	53.2	56.7	51.8	70.8	53.2	56.7	51.8	70.6

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
1:54:59 AM	52.9	55.5	52.4	67.5	52.9	55.5	52.4	67.6
1:55:59 AM	57.2	65.4	53.1	77.7	57.2	65.5	53.1	77.6
1:56:59 AM	53.2	53.8	52.6	67.2	53.2	53.8	52.7	67.3
1:57:59 AM	53.3	59.2	52.1	73.2	53.4	59.3	52.1	73.2
1:58:59 AM	56.8	65.9	51.4	79.3	56.9	65.9	51.4	79.4
1:59:59 AM	53	53.7	51.4	66.9	53.1	53.8	51.4	67
2:00:59 AM	53.5	54	52.5	68.2	53.5	54	52.5	68.2
2:01:59 AM	53.8	55	53.3	68.7	53.8	55	53.3	68.7
2:02:59 AM	53.7	54.1	53.2	68	53.7	54.1	53.3	67.9
2:03:59 AM	53.8	54.2	53.4	68	53.9	54.2	53.5	68.3
2:04:59 AM	54	54.4	53.6	68.1	54	54.4	53.6	68.3
2:05:59 AM	53.9	54.2	53.5	68.1	53.9	54.2	53.5	68
2:06:59 AM	53.8	54.3	52.8	68.1	53.8	54.4	52.8	67.8
2:07:59 AM	53.4	54.1	52	67.9	53.4	54.2	52	67.8
2:08:59 AM	53.9	54.4	52.8	69.4	53.9	54.4	52.8	69.3
2:09:59 AM	53.9	54.3	53.3	67.7	53.9	54.3	53.3	67.8
2:10:59 AM	54.1	54.5	53.6	67.9	54.1	54.5	53.6	68
2:11:59 AM	53.7	54.4	51.9	68	53.7	54.4	51.9	68.1
2:12:59 AM	52.6	53.1	52.1	66.7	52.6	53.1	52.2	66.7
2:13:59 AM	53.8	54.4	52.6	68.6	53.8	54.4	52.6	68.9
2:14:59 AM	54.4	54.8	54.1	68.8	54.4	54.8	54.1	68.7
2:15:59 AM	54.2	55.3	53.7	68.4	54.2	55.4	53.7	68.6
2:16:59 AM	54	54.4	53.4	68.6	54	54.4	53.5	68.9
2:17:59 AM	53.8	54.3	53.3	68.5	53.9	54.3	53.4	68.6
2:18:59 AM	54.4	55.7	53.7	68.7	54.4	55.7	53.8	68.9
2:19:59 AM	54.2	54.7	53.8	68	54.2	54.7	53.8	68
2:20:59 AM	53.9	54.7	52.5	67.8	53.9	54.7	52.6	67.9
2:21:59 AM	52.5	53.5	51.6	67	52.6	53.5	51.6	67.3
2:22:59 AM	52.7	55.5	51	68.3	52.7	55.5	51.1	68.4
2:23:59 AM	52.3	53	51.6	66.7	52.3	53.1	51.7	66.6
2:24:59 AM	53.6	56.9	52.4	70	53.7	56.9	52.5	70
2:25:59 AM	53.2	56.9	52.5	68.9	53.2	56.9	52.5	68.8
2:26:59 AM	53	54.3	52.5	67.5	53	54.3	52.5	67.3
2:27:59 AM	52.7	53.7	51.9	66.8	52.7	53.7	51.9	66.9
2:28:59 AM	52.6	53	52.2	66.9	52.6	53	52.2	67.1
2:29:59 AM	53.1	55.6	52.3	69.3	53.1	55.6	52.3	69.1
2:30:59 AM	52.7	54.6	51.7	67.7	52.7	54.6	51.7	67.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
2:31:59 AM	52	52.8	51.5	66.5	52	52.9	51.5	66.4
2:32:59 AM	52.2	52.7	51.8	66.8	52.3	52.7	51.8	66.8
2:33:59 AM	52.7	54.5	51.9	68	52.7	54.5	51.9	67.7
2:34:59 AM	52.6	54.4	52	67.5	52.6	54.4	52	67.3
2:35:59 AM	52.2	52.7	51.5	66.5	52.2	52.7	51.6	66.6
2:36:59 AM	52	53.6	50.9	66.6	52	53.6	50.9	66.8
2:37:59 AM	52.3	56.1	50.9	69.7	52.3	56.1	50.9	69.6
2:38:59 AM	51.9	52.7	51	67.2	51.9	52.7	51.1	67.2
2:39:59 AM	52	52.7	51.5	66.1	52	52.7	51.5	66.4
2:40:59 AM	52.1	52.7	51.4	66.6	52.1	52.7	51.4	66.8
2:41:59 AM	52.9	54	52	67.3	52.9	54	52	67.4
2:42:59 AM	53.1	55.3	52.1	68.3	53.1	55.3	52.1	68.2
2:43:59 AM	52.1	52.9	51.5	66.9	52.2	52.9	51.5	67.2
2:44:59 AM	52	52.3	51.7	66.8	52	52.3	51.7	66.7
2:45:59 AM	52.3	55.3	51.7	74.9	52.3	55.3	51.8	75
2:46:59 AM	52.2	54.3	51.6	67	52.2	54.3	51.6	66.8
2:47:59 AM	51.9	52.6	51.3	66.8	51.9	52.6	51.3	66.8
2:48:59 AM	52	52.5	51.6	66.6	52.1	52.5	51.6	66.9
2:49:59 AM	53.2	56.8	51.7	69.7	53.2	56.7	51.7	69.7
2:50:59 AM	52.2	54.5	51.6	67.5	52.2	54.5	51.7	67.5
2:51:59 AM	52.1	52.7	51.7	66.8	52.1	52.7	51.7	66.6
2:52:59 AM	52.5	52.8	52.2	66.8	52.5	52.8	52.2	66.9
2:53:59 AM	52.9	53.6	52.6	68.2	52.9	53.6	52.6	68.1
2:54:59 AM	52.9	53.2	52.5	67.3	52.9	53.3	52.5	67.1
2:55:59 AM	52.6	53.4	51.8	67.7	52.6	53.4	51.8	67.5
2:56:59 AM	65.1	74.6	51.7	89.9	65.1	74.6	51.7	89.9
2:57:59 AM	52	53.6	51.4	66.6	52	53.6	51.4	66.4
2:58:59 AM	52.9	57.9	51.1	71	52.9	57.9	51.1	71.2
2:59:59 AM	51.7	52.2	51.3	65.9	51.7	52.2	51.3	65.9
3:00:59 AM	52.4	54.3	51.2	67.7	52.4	54.3	51.2	67.4
3:01:59 AM	51.9	52.4	51.2	66.1	51.9	52.4	51.2	65.7
3:02:59 AM	52.6	56.5	51.5	70.6	52.6	56.5	51.5	70.5
3:03:59 AM	52	53.3	51.5	66.6	52	53.4	51.5	66.7
3:04:59 AM	53	55.9	51.8	69.7	53	55.9	51.8	69.7
3:05:59 AM	52.9	54.5	51.9	68	52.9	54.5	51.9	68.2
3:06:59 AM	52.4	53.3	51.9	66.8	52.4	53.3	51.9	67
3:07:59 AM	52.2	52.7	51.8	66.1	52.2	52.7	51.8	66.3

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:08:59 AM	53.7	56.9	51.7	70.9	53.7	56.9	51.7	70.9
3:09:59 AM	51.8	53.8	51.1	67.1	51.8	53.8	51.1	66.8
3:10:59 AM	52.2	54.6	51	67.9	52.2	54.6	51	68
3:11:59 AM	54.5	60.1	50.9	73.2	54.5	60.1	51	73.3
3:12:59 AM	54.2	59.5	51.3	73	54.2	59.5	51.3	73.1
3:13:59 AM	51.8	52.8	51.2	67.5	51.8	52.8	51.2	67.9
3:14:59 AM	51.6	52.2	51.2	66.1	51.7	52.2	51.2	65.8
3:15:59 AM	52.3	53.3	51.6	67.1	52.3	53.3	51.6	67.1
3:16:59 AM	52.4	53.3	51.2	67.4	52.4	53.3	51.3	67.5
3:17:59 AM	51.8	52.7	51.1	66.4	51.8	52.7	51.1	66.4
3:18:59 AM	51.6	52.3	51.2	66.4	51.6	52.3	51.2	66.5
3:19:59 AM	51.9	54.6	51	68.5	51.9	54.6	51	68.2
3:20:59 AM	51.6	52.6	50.7	66.6	51.7	52.6	50.7	66.7
3:21:59 AM	52.9	53.7	52.3	67.3	52.9	53.7	52.3	67.4
3:22:59 AM	52.8	53.4	51.7	66.8	52.8	53.4	51.8	67
3:23:59 AM	52.4	53.3	50.9	67.2	52.4	53.4	50.9	67.3
3:24:59 AM	53.6	54.6	52.3	68	53.7	54.7	52.3	68.2
3:25:59 AM	53.5	54.2	52.5	68.3	53.5	54.2	52.5	68.4
3:26:59 AM	53.6	54.5	52.3	68.4	53.6	54.5	52.3	68.3
3:27:59 AM	54.2	56	52.3	69.5	54.2	56	52.4	69.3
3:28:59 AM	54	54.5	53.5	67.8	54	54.5	53.5	68
3:29:59 AM	54.2	54.8	53.8	68.1	54.2	54.8	53.9	68
3:30:59 AM	53.8	54.3	52.7	68	53.8	54.3	52.7	67.8
3:31:59 AM	53.7	54.4	52.2	67.6	53.7	54.4	52.2	67.7
3:32:59 AM	54.6	57.6	53.6	75	54.6	57.6	53.6	75.1
3:33:59 AM	54.5	56	54.2	70.7	54.5	56	54.2	70.6
3:34:59 AM	54.5	54.8	53.6	68.8	54.5	54.8	53.6	68.7
3:35:59 AM	54.7	56.5	54	70.1	54.7	56.5	54	70.3
3:36:59 AM	55.1	57.6	52.9	73.2	55.1	57.6	52.9	73.3
3:37:59 AM	55.1	58.2	52.9	71.9	55.1	58.2	52.9	71.9
3:38:59 AM	55	57.3	52.8	70.6	55	57.3	52.8	70.6
3:39:59 AM	54.4	55.1	53.5	68.6	54.5	55.1	53.5	68.6
3:40:59 AM	58	63.5	54.1	75.9	58	63.5	54.2	75.9
3:41:59 AM	54.8	56.3	54	68.9	54.8	56.3	54	69
3:42:59 AM	54.7	55	54.5	69.4	54.7	55.1	54.5	69.5
3:43:59 AM	55.9	60.7	53.9	73.3	55.9	60.7	53.9	73.3
3:44:59 AM	54.2	56.3	52.1	69.7	54.2	56.3	52.2	69.5

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:45:59 AM	54	55.6	53.2	69.6	54	55.6	53.3	69.7
3:46:59 AM	55.2	59.7	53.2	72.7	55.2	59.7	53.3	72.6
3:47:59 AM	58.7	70	53.4	84.6	58.7	70	53.4	84.6
3:48:59 AM	53.9	54.2	53.4	68.2	53.9	54.2	53.4	68.4
3:49:59 AM	53.5	54.3	52.9	68.1	53.6	54.3	52.9	68.1
3:50:59 AM	53.3	53.8	52.3	67.3	53.3	53.8	52.3	67.4
3:51:59 AM	54.1	55.2	53.1	68.1	54.1	55.2	53.1	68.3
3:52:59 AM	56.4	61.3	53.7	75.5	56.4	61.3	53.7	75.5
3:53:59 AM	53.9	55.1	53.2	68.4	53.9	55.1	53.2	68.1
3:54:59 AM	52.5	53.8	51.7	67.3	52.5	53.8	51.7	67.4
3:55:59 AM	54.6	56.1	53.8	69.5	54.6	56.1	53.8	69.4
3:56:59 AM	54.3	54.7	53.9	68.4	54.3	54.7	53.9	68.6
3:57:59 AM	54.2	54.8	52.7	69.2	54.2	54.8	52.7	69.1
3:58:59 AM	54.5	54.9	54.1	68.5	54.5	54.9	54.1	68.7
3:59:59 AM	55.1	60.1	53.6	71.9	55.1	60.1	53.6	71.9
4:00:59 AM	54.1	54.6	53.5	67.7	54.1	54.6	53.5	68
4:01:59 AM	54.2	54.8	53.6	68	54.2	54.8	53.6	68
4:02:59 AM	54.5	54.8	54	68.8	54.5	54.9	54	68.7
4:03:59 AM	55.1	60.7	52.6	73.6	55.1	60.7	52.6	73.7
4:04:59 AM	58.6	67	54.3	79.5	58.6	67	54.3	79.4
4:05:59 AM	54.1	54.9	52.4	68.5	54.1	54.9	52.4	68.4
4:06:59 AM	54.2	54.7	53.7	68.1	54.2	54.7	53.7	68
4:07:59 AM	54.7	55.9	53.6	69	54.7	55.9	53.7	68.9
4:08:59 AM	54.7	55.2	54.1	71.5	54.7	55.2	54.1	71.4
4:09:59 AM	55	55.7	54.5	69.3	55	55.7	54.5	69.3
4:10:59 AM	54.7	55.2	54.2	69.2	54.7	55.2	54.2	69.6
4:11:59 AM	54.6	55.4	54.1	69	54.6	55.4	54.1	68.9
4:12:59 AM	56	64.2	53.2	77.9	56	64.2	53.2	77.9
4:13:59 AM	57.1	66.5	54	78.9	57.1	66.5	54	79
4:14:59 AM	54.8	55.3	54.2	69.4	54.8	55.3	54.2	69.5
4:15:59 AM	55.9	63.5	54	77.9	55.9	63.5	54.1	77.9
4:16:59 AM	56.2	64.3	54.2	77.9	56.2	64.3	54.2	77.8
4:17:59 AM	54.7	55.6	53.6	69.3	54.7	55.6	53.6	69.3
4:18:59 AM	54.3	55.3	52.5	68.9	54.3	55.3	52.5	69.1
4:19:59 AM	54.2	55	52.1	68.9	54.2	55	52.1	68.9
4:20:59 AM	54.3	54.9	53.9	68.6	54.3	54.9	53.9	68.6
4:21:59 AM	54.5	57.6	54	73.7	54.5	57.6	54	73.7

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
4:22:59 AM	55	58	53.8	71	55	58	53.8	70.9
4:23:59 AM	54.8	57.1	53.8	70	54.7	57.1	53.8	69.7
4:24:59 AM	54.9	56.4	53.9	69.9	54.9	56.4	53.9	69.8
4:25:59 AM	54.6	55.2	54	69.9	54.6	55.2	54	70.1
4:26:59 AM	55.3	59.1	53.6	72.2	55.3	59	53.6	72
4:27:59 AM	54.4	56.6	53.7	70.2	54.4	56.6	53.7	70.3
4:28:59 AM	53.9	54.6	51.7	67.8	53.9	54.6	51.7	67.7
4:29:59 AM	55.6	62	53.4	75.7	55.6	62.1	53.4	75.6
4:30:59 AM	53.9	54.4	53.4	68.2	53.9	54.4	53.4	68.3
4:31:59 AM	54.2	56.5	53.2	69.3	54.2	56.4	53.2	69.4
4:32:59 AM	54.5	57.6	52.5	71.1	54.5	57.6	52.5	70.9
4:33:59 AM	53.3	54.6	52.2	67.6	53.2	54.6	52.1	67.6
4:34:59 AM	59	71	52.9	81.5	59	71	52.8	81.5
4:35:59 AM	63.7	70.7	53.1	80.8	63.7	70.7	53	80.8
4:36:59 AM	53.6	54.1	53	67.7	53.6	54	53	67.7
4:37:59 AM	53.8	55.2	53.1	68.6	53.8	55.1	53.1	68.2
4:38:59 AM	53.7	55.2	52.6	68.2	53.7	55.2	52.6	68.2
4:39:59 AM	53.8	55.9	51.9	68.6	53.8	55.8	51.9	68.6
4:40:59 AM	54.2	56.3	53.7	69	54.2	56.3	53.7	69.1
4:41:59 AM	53.8	55	53.2	68	53.8	55	53.2	67.9
4:42:59 AM	54.9	58	53.6	71.5	54.9	58	53.6	71.5
4:43:59 AM	53.7	54	53.2	67.6	53.6	54	53.2	67.3
4:44:59 AM	53.5	54.1	51.6	67.6	53.5	54.1	51.6	67.7
4:45:59 AM	54.7	59.4	52.9	73.1	54.7	59.3	52.9	73
4:46:59 AM	53.3	54	50.9	67.5	53.3	54	50.9	67.2
4:47:59 AM	54.2	60.4	51.1	79.2	54.2	60.4	51.1	79.2
4:48:59 AM	53.6	54.7	53	68.6	53.6	54.7	53	68.3
4:49:59 AM	53	54.4	51.4	68.3	53	54.4	51.4	68.3
4:50:59 AM	52.4	54.3	51.7	67.1	52.4	54.3	51.7	67.1
4:51:59 AM	52.6	55.8	51.6	68.7	52.6	55.8	51.6	68.6
4:52:59 AM	52.2	53.3	51.9	67.6	52.2	53.3	51.9	67.5
4:53:59 AM	53.6	62.6	51.5	75.8	53.7	62.7	51.5	75.8
4:54:59 AM	52	53.3	51.2	66.4	52	53.3	51.2	66.3
4:55:59 AM	52.5	54	51.5	67.2	52.5	54	51.5	67.2
4:56:59 AM	53.5	54.2	52.9	67.8	53.4	54.2	52.8	68
4:57:59 AM	53.7	55.4	53.2	68.6	53.7	55.4	53.2	68.7
4:58:59 AM	53.6	54.7	52.6	67.3	53.6	54.7	52.6	67.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
4:59:59 AM	53.1	54.4	52.2	68.6	53.1	54.4	52.2	68.8
5:00:59 AM	53.4	55.1	52.2	68.7	53.3	55.1	52.2	69
5:01:59 AM	53.1	53.6	52.3	67.7	53.1	53.6	52.2	67.7
5:02:59 AM	53.1	53.7	51.3	67.5	53.1	53.7	51.3	67.8
5:03:59 AM	52.6	54.1	50.4	68.6	52.6	54.1	50.4	68.2
5:04:59 AM	53.2	55.1	52	68.8	53.2	55.1	52	68.7
5:05:59 AM	57.6	67.5	52.9	84.9	57.6	67.5	52.9	84.9
5:06:59 AM	54.5	62.9	51.7	81.5	54.5	62.9	51.7	81.5
5:07:59 AM	53.3	58.3	51.1	71.5	53.2	58.3	51.1	71.4
5:08:59 AM	52.9	59	51.2	75.3	52.9	58.9	51.2	75.2
5:09:59 AM	51.7	52.7	51.1	66.6	51.6	52.7	51.1	66.4
5:10:59 AM	52.1	54.2	51.2	67.5	52.1	54.2	51.2	67.4
5:11:59 AM	52.5	57.2	51	71.7	52.5	57.2	51	71.6
5:12:59 AM	52.7	56.1	51.7	70.6	52.7	56.1	51.7	70.7
5:13:59 AM	56.9	61.3	52.9	75.1	56.9	61.3	52.9	75.1
5:14:59 AM	56.6	59.1	53.1	75.3	56.6	59	53.1	75.2
5:15:59 AM	53.2	54	53	68.6	53.2	54	52.9	68.5
5:16:59 AM	53.2	55.8	52.6	68.2	53.2	55.8	52.6	68.2
5:17:59 AM	58	62.5	51.2	75	58	62.5	51.2	75
5:18:59 AM	52.2	54	51.1	66.8	52.2	54	51.1	66.8
5:19:59 AM	52.3	55.3	51.3	70.2	52.3	55.3	51.3	69.9
5:20:59 AM	52.2	54	51.3	67.3	52.2	53.9	51.3	67.3
5:21:59 AM	54.7	58.6	51.8	72	54.7	58.6	51.7	72
5:22:59 AM	52.4	54.1	51.7	67.6	52.4	54.1	51.7	67.6
5:23:59 AM	52.5	55.3	50.9	67.5	52.5	55.2	50.9	67.7
5:24:59 AM	58.6	68	52	79.5	58.6	68	52	79.6
5:25:59 AM	51.9	52.8	51.2	66	51.9	52.8	51.2	66.2
5:26:59 AM	52.3	52.9	51.4	66.6	52.3	52.9	51.4	66.4
5:27:59 AM	52.2	53.8	51.4	67.9	52.2	53.8	51.4	67.7
5:28:59 AM	52.4	53.2	51.5	68	52.4	53.2	51.5	67.9
5:29:59 AM	51.9	52.6	51.5	66.3	51.9	52.6	51.4	66.7
5:30:59 AM	52.4	53.6	51.7	66.7	52.4	53.6	51.7	66.6
5:31:59 AM	52.2	53.2	51.5	67.1	52.2	53.2	51.4	66.8
5:32:59 AM	52.4	53	51.7	68.4	52.4	53	51.7	68.6
5:33:59 AM	52.3	53	51.6	66.9	52.3	53	51.6	67.1
5:34:59 AM	55.6	63.9	51.6	77.4	55.6	63.9	51.6	77.5
5:35:59 AM	52.2	53.4	51.6	65.8	52.2	53.4	51.6	66

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
5:36:59 AM	52.1	53.8	51.3	67.1	52.1	53.8	51.3	67.1
5:37:59 AM	52.6	53.7	51.8	67.1	52.6	53.7	51.8	67.1
5:38:59 AM	52.5	53.6	51.7	66.3	52.5	53.6	51.7	66.3
5:39:59 AM	54.2	59.9	51.4	73	54.2	59.9	51.4	72.8
5:40:59 AM	54.1	60.7	51.8	73.9	54.1	60.7	51.8	74
5:41:59 AM	53.5	55.7	52.2	68.2	53.5	55.7	52.2	68.1
5:42:59 AM	53.3	55.9	52	69.6	53.3	55.9	52	69.8
5:43:59 AM	52.5	55	51.6	67.7	52.4	55	51.6	67.9
5:44:59 AM	54.5	60.5	51.6	76.7	54.4	60.5	51.6	76.7
5:45:59 AM	52.6	54.8	51.8	66.7	52.5	54.8	51.8	66.7
5:46:59 AM	52.7	55	51.7	69.8	52.7	55	51.7	69.9
5:47:59 AM	54.6	59.8	52.2	72.9	54.6	59.8	52.2	72.7
5:48:59 AM	53	56.5	51.6	69.8	53	56.5	51.6	69.7
5:49:59 AM	52.9	56.4	51.8	69.5	52.9	56.4	51.8	69.4
5:50:59 AM	52.4	54.4	51.3	68.6	52.4	54.4	51.3	68.7
5:51:59 AM	53.4	55.1	51.9	68.2	53.3	55.1	51.9	68.2
5:52:59 AM	55.7	61.6	52.1	74.9	55.7	61.6	52.1	74.9
5:53:59 AM	53.5	61.1	51.5	73.5	53.5	61.1	51.5	73.5
5:54:59 AM	52.8	54.9	51.6	68	52.8	54.8	51.6	68.1
5:55:59 AM	55.4	60.5	52.3	74.8	55.4	60.4	52.3	74.8
5:56:59 AM	53	54.7	51.4	67.7	52.9	54.7	51.4	67.5
5:57:59 AM	52.8	59.2	51	71.8	52.8	59.2	51	71.9
5:58:59 AM	52.7	56.1	51	69.6	52.7	56	51	69.6
5:59:59 AM	52.9	55.7	51.3	68.3	52.9	55.7	51.3	68.4
6:00:59 AM	52.5	53.6	51.4	66.8	52.5	53.6	51.4	67.1
6:01:59 AM	53.1	57	51.3	69.5	53.1	57	51.3	69.5
6:02:59 AM	53.5	60.1	51.4	74.3	53.5	60.1	51.4	74.2
6:03:59 AM	58.5	67.5	52.1	82.1	58.5	67.5	52.1	82.2
6:04:59 AM	58.7	69.4	52	83.3	58.7	69.4	52	83.3
6:05:59 AM	63.4	73.8	51.6	88.7	63.4	73.8	51.6	88.7
6:06:59 AM	52.2	54.9	51.3	67.7	52.2	54.9	51.2	67.6
6:07:59 AM	52.2	53.7	51.1	70.2	52.2	53.7	51.1	70.4
6:08:59 AM	53.6	56.6	52.1	69.9	53.6	56.6	52.1	69.7
6:09:59 AM	52.1	53.3	51.2	66.4	52.1	53.3	51.2	66.2
6:10:59 AM	52.7	55.9	51.5	69.9	52.7	56	51.5	70
6:11:59 AM	56.1	65	51.7	84.1	56.1	65	51.7	84.1
6:12:59 AM	52.5	54.3	51.9	67.9	52.5	54.3	51.9	67.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
6:13:59 AM	54	58.6	52	72.1	54	58.6	52	72.2
6:14:59 AM	54.2	57.1	52.5	70.6	54.2	57.1	52.5	70.5
6:15:59 AM	53.7	55.8	52.2	69.9	53.7	55.8	52.2	69.8
6:16:59 AM	55.1	64.1	52.7	81.7	55.1	64.1	52.7	81.8
6:17:59 AM	57.1	62.9	54.4	82.9	57.1	62.9	54.4	82.8
6:18:59 AM	54.2	55.6	53.1	68.5	54.2	55.6	53.1	68.5
6:19:59 AM	55.4	59.2	53.2	73.1	55.4	59.2	53.2	73.1
6:20:59 AM	55.2	63.8	52.2	76.6	55.2	63.8	52.1	76.5
6:21:59 AM	61.2	66	51.9	78.6	61.2	66	51.8	78.6
6:22:59 AM	52.6	54.8	51.9	68.4	52.6	54.8	51.8	68.3
6:23:59 AM	54.8	59.7	51.7	74.1	54.8	59.7	51.7	74
6:24:59 AM	53.8	58.1	52.3	71	53.8	58	52.3	71.2
6:25:59 AM	52.5	54.1	51.9	67.7	52.5	54.1	51.9	67.7
6:26:59 AM	54.9	58.8	52	72.5	54.9	58.8	52	72.5
6:27:59 AM	53.1	55.2	52.1	70.1	53.1	55.2	52.1	70.1
6:28:59 AM	53.4	55	51.8	69.5	53.4	55	51.8	69.6
6:29:59 AM	54.1	59.9	52.3	75.8	54	59.9	52.3	75.6
6:30:59 AM	53.5	56.1	51.8	70.6	53.4	56.1	51.8	70.5
6:31:59 AM	52.7	55.4	51.6	70.6	52.7	55.4	51.6	70.3
6:32:59 AM	53.4	61.6	51.7	72.9	53.4	61.6	51.6	72.8
6:33:59 AM	54.8	62.1	52.5	72.8	54.8	62.1	52.5	72.7
6:34:59 AM	53.9	55.8	52.9	72.8	53.9	55.8	52.9	72.9
6:35:59 AM	54.4	59.2	52.4	76.1	54.4	59.2	52.4	76.1
6:36:59 AM	53.2	54.5	52.4	68.5	53.2	54.4	52.4	68.4
6:37:59 AM	54.3	61.5	52.6	76.1	54.3	61.4	52.6	76.1
6:38:59 AM	57.1	65	54	79.1	57.1	65	54	79
6:39:59 AM	55.1	58.8	53.1	73.6	55.1	58.8	53.1	73.5
6:40:59 AM	55.8	60	52.8	74.8	55.8	59.9	52.8	74.7
6:41:59 AM	58.9	70.8	52.7	84.6	58.9	70.8	52.7	84.6
6:42:59 AM	59.6	70.8	52.2	81.7	59.6	70.8	52.2	81.6
6:43:59 AM	57.8	67	53.6	86.9	57.8	67	53.6	86.9
6:44:59 AM	53.9	56	51.9	70.5	53.9	56	51.9	70.4
6:45:59 AM	57.8	65.1	52.5	80.3	57.8	65.1	52.5	80.3
6:46:59 AM	56.9	65.8	52.5	81.3	56.9	65.8	52.5	81.2
6:47:59 AM	55.2	60.8	52.5	78.9	55.2	60.8	52.5	78.9
6:48:59 AM	56.1	62.3	53.2	80.3	56.1	62.3	53.2	80.3
6:49:59 AM	53.8	60.9	52	80.6	53.8	60.9	52	80.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
6:50:59 AM	55.5	58.4	53.6	73.1	55.5	58.4	53.6	73.2
6:51:59 AM	56.4	62.6	52.6	82.3	56.4	62.6	52.6	82.3
6:52:59 AM	57.4	67.1	52.5	81.1	57.4	67.1	52.5	81.1
6:53:59 AM	59.4	68.8	53.2	82.8	59.4	68.8	53.2	82.9
6:54:59 AM	54.5	57.8	52.8	75.2	54.5	57.8	52.8	75.2
6:55:59 AM	60.1	66.9	53.1	80	60.1	66.9	53.1	80.1
6:56:59 AM	56	63.3	53	78.5	56	63.3	53	78.5
6:57:59 AM	53.7	56.3	52.6	69.8	53.7	56.3	52.5	70
6:58:59 AM	54.5	56.3	52.8	70.5	54.5	56.3	52.8	70.5
6:59:59 AM	56.3	62.4	53.2	74.8	56.3	62.4	53.2	74.9
7:00:59 AM	58.1	62.7	53.3	75.1	58.1	62.7	53.3	75.2
7:01:59 AM	57.2	61.5	54.5	77.3	57.2	61.5	54.5	77.3
7:02:59 AM	55.8	61	53.5	75	55.8	61	53.5	74.9
7:03:59 AM	55.9	57.6	54.2	73.7	55.9	57.6	54.2	73.7
7:04:59 AM	58	62.6	55.3	76.2	58	62.6	55.3	76.2
7:05:59 AM	58.3	64	56	78.4	58.3	64	56	78.4
7:06:59 AM	57.6	63.5	55.7	79.8	57.6	63.5	55.7	79.7
7:07:59 AM	56.6	60.7	54	74.8	56.6	60.7	54	75
7:08:59 AM	56.5	58.7	54.6	75.6	56.5	58.7	54.6	75.7
7:09:59 AM	58.7	66.7	55.7	81.8	58.7	66.7	55.8	81.8
7:10:59 AM	59	70	56.1	88.9	59	70	56.1	88.9
7:11:59 AM	56.9	58.4	55.8	71.3	56.9	58.4	55.8	71.3
7:12:59 AM	56.6	57.5	56	71.9	56.6	57.5	56	71.9
7:13:59 AM	56.1	59.6	53.9	80	56.1	59.6	53.9	80.1
7:14:59 AM	54.6	57.8	53.6	74.6	54.6	57.8	53.6	74.5
7:15:59 AM	56.6	65	53.7	83	56.6	65	53.7	83.1
7:16:59 AM	57	63.9	53.3	76.9	57	63.9	53.3	77
7:17:59 AM	53.9	56.6	52.6	69.7	53.9	56.6	52.6	69.3
7:18:59 AM	56	62.1	53.1	76.3	56	62.1	53.1	76.2
7:19:59 AM	58.3	65.5	55	78	58.3	65.5	55	78
7:20:59 AM	57.9	62.8	52.9	75.6	57.9	62.8	52.9	75.6
7:21:59 AM	53.5	54.8	52.1	68.6	53.5	54.8	52.1	68.6
7:22:59 AM	53.1	54.4	52.3	68.1	53.1	54.4	52.3	68
7:23:59 AM	53.7	55.5	52.3	70.1	53.7	55.5	52.2	70.1
7:24:59 AM	55.2	59.2	53.1	71.7	55.2	59.2	53.1	71.7
7:25:59 AM	53.8	56.1	52.1	71.9	53.8	56.1	52.1	71.9
7:26:59 AM	53.6	57.2	52	78.1	53.6	57.2	52	78.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7:27:59 AM	53.5	54.9	52.7	71.7	53.5	54.9	52.7	71.7
7:28:59 AM	53.7	59.1	52.6	81.8	53.7	59.1	52.5	81.9
7:29:59 AM	53.8	56.3	52.5	68.9	53.8	56.2	52.5	69
7:30:59 AM	54.5	55.7	53.4	69.7	54.5	55.7	53.3	69.5
7:31:59 AM	54.4	62	52.5	82.8	54.4	62	52.5	82.9
7:32:59 AM	54.1	56.9	52.8	71.8	54.1	56.9	52.8	71.7
7:33:59 AM	56.2	61.6	53.5	81.7	56.2	61.6	53.5	81.6
7:34:59 AM	56.2	60.7	54	73.4	56.2	60.7	54	73.5
7:35:59 AM	54.8	56.7	52.4	70.3	54.8	56.7	52.4	70.4
7:36:59 AM	55.6	58.1	53.3	71.7	55.6	58.1	53.3	71.6
7:37:59 AM	54.4	56.4	52.8	69.5	54.4	56.4	52.8	69.4
7:38:59 AM	53.6	56	52.6	69.8	53.6	56	52.6	69.7
7:39:59 AM	54.6	56	52.9	72.7	54.6	56	52.8	72.7
7:40:59 AM	53.5	55.9	52.6	69.5	53.5	55.9	52.5	69.5
7:41:59 AM	57.8	66.9	52.7	80	57.8	66.9	52.6	79.9
7:42:59 AM	57.9	65.5	53	78.4	57.9	65.5	53	78.5
7:43:59 AM	55.2	58.7	53.3	71.6	55.2	58.7	53.3	71.7
7:44:59 AM	55.7	59.8	54	77	55.7	59.8	54	77
7:45:59 AM	56.8	62.3	54.7	88	56.8	62.3	54.6	87.9
7:46:59 AM	56.8	64.5	54.1	77.5	56.8	64.5	54.1	77.5
7:47:59 AM	55.7	58.8	53.6	76.5	55.7	58.8	53.6	76.5
7:48:59 AM	55.5	61.4	53.7	78.8	55.5	61.4	53.7	78.8
7:49:59 AM	56	58.9	53.6	73.6	56	58.9	53.6	73.5
7:50:59 AM	55.3	57	53.5	71.1	55.3	57	53.5	71
7:51:59 AM	54.4	55.6	53.3	70.9	54.4	55.6	53.3	70.7
7:52:59 AM	57.3	63.1	54.6	76.3	57.3	63.1	54.6	76.3
7:53:59 AM	57.2	61	53.6	74.6	57.2	61	53.6	74.6
7:54:59 AM	60.5	68.8	52.9	81.7	60.5	68.8	52.9	81.7
7:55:59 AM	54.1	55.9	53.1	69.2	54.1	55.9	53.1	69.2
7:56:59 AM	54.1	56.5	53	68.8	54.1	56.5	53	68.8
7:57:59 AM	55	57.2	53.7	73	55	57.2	53.7	73.1
7:58:59 AM	57.8	62.8	54.3	75.8	57.8	62.8	54.3	75.9
7:59:59 AM	55.3	59	53.3	73.2	55.3	59	53.3	73.3
8:00:59 AM	55.3	58.6	53.6	73.4	55.3	58.6	53.6	73.2
8:01:59 AM	56	61.4	53.6	72.5	56	61.4	53.6	72.3
8:02:59 AM	55.2	61.4	53	76.2	55.2	61.4	53	76.2
8:03:59 AM	55.5	58.2	53.8	71.7	55.5	58.2	53.8	71.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
8:04:59 AM	54.6	56.9	53.3	72.1	54.6	56.9	53.3	72.1
8:05:59 AM	57.2	61.7	54.2	75.3	57.2	61.7	54.2	75.4
8:06:59 AM	55.8	58.4	54.3	71.4	55.8	58.4	54.3	71.5
8:07:59 AM	56.8	58.3	55.8	72.8	56.8	58.3	55.8	72.8
8:08:59 AM	57.3	59.6	55.8	72.9	57.3	59.6	55.8	73
8:09:59 AM	56.8	59.5	55.8	74.3	56.8	59.5	55.8	74.4
8:10:59 AM	56.2	58.5	54.8	73.3	56.2	58.5	54.8	73.2
8:11:59 AM	56	58.1	54.6	71	56	58.1	54.6	71
8:12:59 AM	55.3	56.3	54.8	68.9	55.3	56.3	54.8	69
8:13:59 AM	57.7	61.8	54.4	76.4	57.7	61.8	54.4	76.4
8:14:59 AM	56.6	60.2	55.1	73.4	56.6	60.2	55.1	73.5
8:15:59 AM	57.7	62.2	55.5	76.2	57.7	62.2	55.5	76.1
8:16:59 AM	57.3	60.7	55.9	75.5	57.3	60.7	55.8	75.5
8:17:59 AM	57.2	59.6	55.8	72.5	57.2	59.6	55.7	72.2
8:18:59 AM	55	58.8	53.2	70.6	55	58.8	53.2	70.7
8:19:59 AM	53.6	55.9	52.1	69.3	53.6	55.9	52.1	69.5
8:20:59 AM	52.8	54.5	51.9	68.2	52.8	54.5	51.9	68.2
8:21:59 AM	54.2	56.6	52.1	70.7	54.2	56.6	52.1	70.3
8:22:59 AM	71.3	81	54.5	92.5	71.3	81	54.5	92.5
8:23:59 AM	69.3	76.2	52.6	90.1	69.3	76.2	52.6	90.1
8:24:59 AM	63.7	74.8	53.9	85.1	63.7	74.8	53.9	85
8:25:59 AM	64.6	75.1	53.6	85.3	64.6	75.1	53.6	85.3
8:26:59 AM	58.4	67.4	53.9	81.3	58.4	67.4	53.9	81.2
8:27:59 AM	68.5	76.5	54.5	88.9	68.5	76.5	54.5	88.9
8:28:59 AM	58.4	65.8	54.5	79.3	58.4	65.8	54.5	79.2
8:29:59 AM	54.3	61.3	52.8	68.5	54.3	61.3	52.8	68.6
8:30:59 AM	55.5	59	53.8	75.7	55.5	58.9	53.8	75.8
8:31:59 AM	56.1	63.1	54.4	83	56	63.1	54.4	83
8:32:59 AM	60.1	66.1	53.5	91.9	60.1	66.1	53.5	92
8:33:59 AM	55.8	60.4	52.7	75.3	55.8	60.4	52.7	75.4
8:34:59 AM	54.7	57.4	52.4	71	54.7	57.4	52.3	71
8:35:59 AM	56.6	59.8	52.6	75.9	56.6	59.8	52.6	76
8:36:59 AM	58.2	61.1	55.7	77.9	58.2	61.1	55.7	78
8:37:59 AM	59.4	63.3	57.1	77.7	59.4	63.3	57.1	77.8
8:38:59 AM	66.3	73.8	56.6	85.3	66.3	73.8	56.6	85.2
8:39:59 AM	58.9	62.6	56.6	74.6	58.9	62.6	56.6	74.6
8:40:59 AM	62	70.7	55.7	84.3	62	70.7	55.7	84.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
8:41:59 AM	63.4	72.4	57.2	84.5	63.4	72.4	57.2	84.5
8:42:59 AM	57.9	59.3	56.3	73.4	57.9	59.3	56.3	73.5
8:43:59 AM	57	59.1	55.2	72.8	57	59.1	55.1	72.8
8:44:59 AM	57.5	59.5	56.1	73.5	57.5	59.5	56.1	73.6
8:45:59 AM	56.3	57.5	55.6	72	56.3	57.5	55.5	71.9
8:46:59 AM	60.7	66	55.5	78.8	60.7	66	55.5	78.8
8:47:59 AM	78.1	85.1	63.2	97.8	78.1	85.1	63.2	97.8
8:48:59 AM	60.3	64.7	55.9	76.9	60.3	64.7	55.9	76.8
8:49:59 AM	61.7	65.5	56.7	80.5	61.7	65.5	56.7	80.5
8:50:59 AM	60	66	57.1	81	60	66	57.1	81.1
8:51:59 AM	61	63.6	56.9	88	60.9	63.6	56.9	88
8:52:59 AM	63.6	67.1	58.2	85.4	63.6	67.1	58.2	85.4
8:53:59 AM	62.3	68.3	59.2	85.3	62.3	68.3	59.2	85.3
8:54:59 AM	59.6	63.3	55.8	78.6	59.6	63.3	55.8	78.6
8:55:59 AM	58.3	62.6	55	76.9	58.3	62.6	55	77
8:56:59 AM	59.2	61.8	57	76.9	59.2	61.8	57	76.9
8:57:59 AM	59.2	63.3	57.3	76	59.2	63.3	57.3	76
8:58:59 AM	57	60.5	55.6	72.5	57	60.5	55.6	72.4
8:59:59 AM	57.4	61.3	55	73.7	57.4	61.3	55	73.7
9:00:59 AM	56.8	64.3	55.1	81.2	56.8	64.2	55.1	81.1
9:01:59 AM	56.6	62	54.5	75.4	56.6	62	54.5	75.4
9:02:59 AM	55.9	57.3	54.6	70.2	55.9	57.3	54.6	70.1
9:03:59 AM	56.3	58.5	54.5	71.5	56.3	58.5	54.5	71.8
9:04:59 AM	56	57.2	55	74	56	57.2	55	74
9:05:59 AM	56.2	58.3	54.2	70.9	56.2	58.3	54.2	71.1
9:06:59 AM	57.6	63.5	54.6	75.7	57.6	63.5	54.6	75.5
9:07:59 AM	58.8	66.9	54.3	80.1	58.8	66.9	54.3	80.1
9:08:59 AM	55.9	61.1	52.9	74.1	55.9	61.1	52.9	74.3
9:09:59 AM	54.8	57.7	53.1	72.2	54.8	57.7	53.1	72.3
9:10:59 AM	57.3	65.2	53.6	80.3	57.3	65.2	53.6	80.3
9:11:59 AM	55.5	58.7	53.8	71.5	55.5	58.7	53.8	71.4
9:12:59 AM	56.4	60.5	54.5	76.2	56.4	60.5	54.5	76.1
9:13:59 AM	56.3	58.2	54.8	72	56.3	58.2	54.8	72.1
9:14:59 AM	58.1	63.5	55.4	76.4	58.1	63.5	55.4	76.3
9:15:59 AM	57.1	59.3	55.4	72	57.1	59.3	55.4	72
9:16:59 AM	57.2	64.7	53.8	81	57.2	64.7	53.8	81
9:17:59 AM	55.8	58.7	53.9	72.3	55.8	58.7	53.9	72.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:18:59 AM	55.3	58.9	53.9	72.6	55.3	58.8	53.9	72.6
9:19:59 AM	55.5	57.8	54.3	71.1	55.5	57.8	54.3	71
9:20:59 AM	54.9	56.4	53.5	73	54.9	56.4	53.5	73.1
9:21:59 AM	54.3	56.1	53.7	69.7	54.3	56.1	53.7	69.7
9:22:59 AM	58.9	63.3	54.8	80.8	58.9	63.3	54.8	80.8
9:23:59 AM	58.3	63.4	54.5	76.9	58.3	63.4	54.5	76.9
9:24:59 AM	58.3	60.6	56.2	74	58.3	60.6	56.2	74
9:25:59 AM	58.3	60.1	54.1	73.8	58.3	60.1	54.1	73.9
9:26:59 AM	56.4	60.2	54.2	76.8	56.4	60.1	54.2	76.9
9:27:59 AM	56.7	60.3	54	76.2	56.7	60.3	54	76.2
9:28:59 AM	58.5	65.9	55.3	84.2	58.5	65.9	55.3	84.2
9:29:59 AM	59.6	64.4	54.8	76.9	59.6	64.4	54.8	76.9
9:30:59 AM	55.5	59	53.2	72.7	55.5	59	53.2	72.5
9:31:59 AM	57.8	63.6	53.6	77.6	57.8	63.6	53.6	77.6
9:32:59 AM	54.5	56.1	53.5	69.1	54.5	56.1	53.5	69.2
9:33:59 AM	53.9	54.9	53.1	68.7	53.9	54.9	53.1	69.1
9:34:59 AM	57.4	66.1	53.7	85.5	57.4	66.1	53.7	85.5
9:35:59 AM	55.5	58.3	54.3	70.8	55.5	58.3	54.3	71.1
9:36:59 AM	56.8	61.1	53.7	73.6	56.7	61.1	53.7	73.7
9:37:59 AM	61.5	68.4	55.5	83.9	61.6	68.4	55.5	83.8
9:38:59 AM	61.4	67.3	53.7	85.5	61.4	67.3	53.7	85.5
9:39:59 AM	54.8	60.1	52.6	74.6	54.8	60.1	52.6	74.7
9:40:59 AM	53.7	55.8	52.8	69.9	53.7	55.7	52.8	69.6
9:41:59 AM	54.4	57.8	52.7	72.8	54.4	57.8	52.7	72.9
9:42:59 AM	53.8	58	52.8	71	53.8	58	52.8	71.1
9:43:59 AM	55.5	59.6	53	73.7	55.4	59.6	52.9	73.7
9:44:59 AM	55.2	58.3	52.9	71.5	55.2	58.3	52.9	71.5
9:45:59 AM	55	57.3	53.4	72.3	55	57.3	53.4	72.2
9:46:59 AM	55.8	57.9	54.4	71.1	55.8	57.9	54.4	71.4
9:47:59 AM	58	60.5	55.8	73.9	58	60.5	55.8	74
9:48:59 AM	57.2	60.3	54.5	73.1	57.2	60.3	54.5	73.1
9:49:59 AM	58.3	63.8	53.9	77.6	58.3	63.8	53.9	77.6
9:50:59 AM	55.3	60.5	53.2	73.2	55.3	60.5	53.2	73.4
9:51:59 AM	56.7	60.4	54.7	74.4	56.7	60.4	54.7	74.4
9:52:59 AM	56.3	58.8	54.4	72.5	56.3	58.7	54.4	72.4
9:53:59 AM	55.7	58.1	54.3	71.2	55.7	58.1	54.3	71.2
9:54:59 AM	61.1	70.2	52.7	79.4	61.1	70.2	52.8	79.5

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:55:59 AM	61.1	70	54	82.8	61.1	70	54	82.8
9:56:59 AM	56.5	61.5	52.7	75.4	56.5	61.4	52.7	75.4
9:57:59 AM	54.3	57.1	52.2	70.3	54.3	57.1	52.2	70.1
9:58:59 AM	57.5	61.8	54.3	75.8	57.5	61.8	54.4	75.7
9:59:59 AM	54.4	56.8	52.8	71.1	54.4	56.8	52.8	70.9
10:00:59 AM	55.1	56.9	53.7	72.6	55.1	56.9	53.7	72.7
10:01:59 AM	57.3	61.9	54.1	76.4	57.3	61.8	54.1	76.4
10:02:59 AM	55.9	59.6	53.3	72.8	55.9	59.5	53.3	72.7
10:03:59 AM	57.3	65.8	52.4	84.4	57.2	65.8	52.4	84.4
10:04:59 AM	57.6	64.7	54.4	77.7	57.6	64.7	54.4	77.7
10:05:59 AM	55.9	59.9	52.2	74.7	55.9	59.9	52.2	74.6
10:06:59 AM	54.6	57.1	52.1	72.4	54.6	57	52.1	72.2
10:07:59 AM	55.9	59.7	53.7	74.8	55.9	59.7	53.8	74.7
10:08:59 AM	58.8	62.7	56	75.7	58.8	62.7	56	75.7
10:09:59 AM	57.3	60.2	54.3	74.6	57.3	60.2	54.3	74.6
10:10:59 AM	55.2	57	52.8	70.5	55.2	57	52.8	70.4
10:11:59 AM	56.2	59.7	54	73.2	56.2	59.7	54	73.3
10:12:59 AM	55.5	59.8	54	78.7	55.5	59.8	54	78.6
10:13:59 AM	54.9	59.4	53.8	76.9	54.9	59.4	53.8	77
10:14:59 AM	54.6	57.1	53	72.4	54.6	57.1	53	72.5
10:15:59 AM	53.4	55.5	51.4	69.2	53.4	55.5	51.4	69.4
10:16:59 AM	54.1	57.1	52.2	70.8	54.1	57.1	52.2	70.7
10:17:59 AM	55.6	58.1	54.1	72	55.6	58.1	54.1	72.1
10:18:59 AM	53.7	57.1	51.3	75.1	53.7	57.1	51.3	75
10:19:59 AM	54.1	57.4	50.9	72.5	54.1	57.4	50.9	72.6
10:20:59 AM	54.3	55.5	53.4	69.9	54.3	55.5	53.4	70.1
10:21:59 AM	54.9	56.6	53.8	70.4	54.9	56.6	53.8	70.5
10:22:59 AM	56.3	60.2	52.4	73.9	56.3	60.2	52.4	73.9
10:23:59 AM	57	62.5	53.3	78	57	62.5	53.4	78
10:24:59 AM	55.8	59.4	51.8	73.8	55.8	59.4	51.8	73.9
10:25:59 AM	58.3	62.6	54.5	76.3	58.3	62.6	54.5	76.2
10:26:59 AM	56.8	60.7	54.8	73.4	56.8	60.7	54.8	73.5
10:27:59 AM	56.6	61.2	54.1	73.8	56.6	61.2	54.1	74
10:28:59 AM	54.9	55.8	54	69.5	54.9	55.8	54	69.3
10:29:59 AM	54.8	55.8	54.3	73.4	54.8	55.8	54.3	73.2
10:30:59 AM	55	56.7	54.3	70.8	55	56.7	54.3	70.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Location M6: Session Report

Meter No. 035262
Session No. S101
Start: 1039 on 7/22/2021
End: 1036 on 7/23/2021

Information Panel

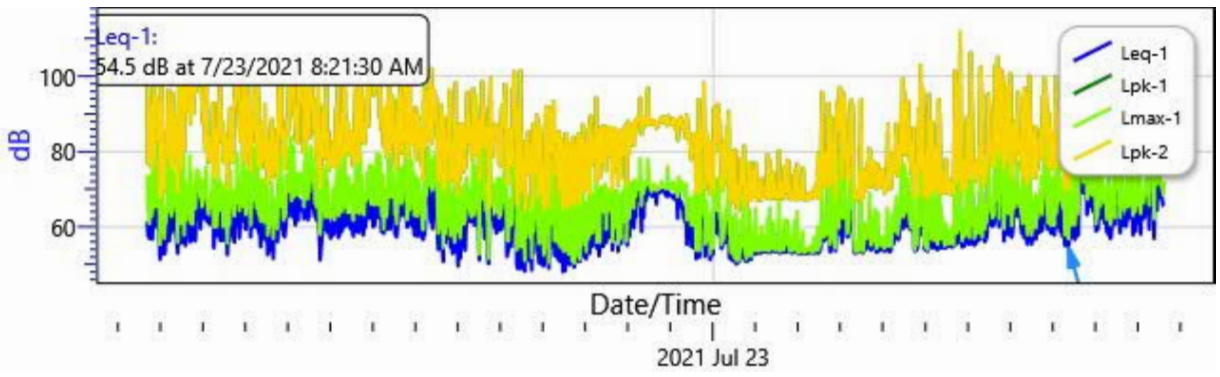
Name	S101_BLP020005_23072021_112556
Start Time	7/22/2021 10:39:30 AM
Stop Time	7/23/2021 10:36:49 AM
Device Name	BLP020005
Model Type	SoundPro DL
Device Firmware Rev	R.13H
Comments	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	65.3 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	SLOW	Bandwidth	1	OFF
Exchange Rate	2	3 dB	Weighting	2	A
Response	2	SLOW			

Logged Data Chart

S101_BLP020005_23072021_112556: Logged Data Chart



Logged Data Table

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7/22/2021	61.5	73.7	51.9	105	61.5	73.7	52	105

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
10:40:30 AM								
10:41:30 AM	57.7	64.3	51.7	76.9	57.8	64.3	51.7	76.9
10:42:30 AM	60.1	65.1	52.4	77.3	60.1	65.1	52.5	77.3
10:43:30 AM	57	60.9	53.2	76.8	57.1	60.9	53.3	76.8
10:44:30 AM	60.9	71.2	51.3	85	60.9	71.2	51.3	85
10:45:30 AM	64.5	73.5	54.1	92	64.5	73.5	54.1	92
10:46:30 AM	58.4	62.9	53.4	75.8	58.4	62.9	53.5	75.8
10:47:30 AM	56.8	64.6	53.1	78.1	56.8	64.6	53.2	78.1
10:48:30 AM	61.2	67.5	54	86.7	61.2	67.5	54.1	86.7
10:49:30 AM	74.3	89.3	57.1	109.4	74.3	89.3	57.1	109.5
10:50:30 AM	61.7	73.1	56.7	96.1	61.8	73.2	56.7	96.1
10:51:30 AM	60.1	65.9	55.3	82.8	60.1	65.9	55.3	82.8
10:52:30 AM	60.6	65.4	55.7	83.9	60.6	65.5	55.8	83.9
10:53:30 AM	65.8	75.7	53.6	94.4	65.8	75.7	53.6	94.5
10:54:30 AM	62.6	71.3	51.4	89.6	62.7	71.3	51.4	89.6
10:55:30 AM	61.2	70.8	51.1	83.3	61.3	70.8	51.1	83.4
10:56:30 AM	65.8	75.7	56.6	93.6	65.8	75.8	56.6	93.6
10:57:30 AM	57.3	65	51.6	79.4	57.4	65.1	51.6	79.5
10:58:30 AM	51.5	55.4	49.1	68.1	51.5	55.4	49.1	68.1
10:59:30 AM	62.2	72.1	50.9	87.9	62.2	72.1	50.9	87.9
11:00:30 AM	68.2	81.1	52.6	99.1	68.2	81.1	52.7	99.1
11:01:30 AM	57.9	65	49.2	82.7	58	65.1	49.2	82.7
11:02:30 AM	52.8	60	49.1	76.7	52.9	60	49.1	76.7
11:03:30 AM	55.4	62.4	49.3	76.3	55.5	62.5	49.3	76.4
11:04:30 AM	52.9	57	50.5	69.7	52.9	57	50.5	69.7
11:05:30 AM	53	61.4	49.4	77.2	53.1	61.5	49.4	77.3
11:06:30 AM	57.1	60.9	50.6	81.8	57.1	61	50.6	81.9
11:07:30 AM	57.1	64.3	50.4	78.7	57.2	64.4	50.5	78.7
11:08:30 AM	56.3	65.2	50	82.3	56.3	65.3	50	82.3
11:09:30 AM	61.8	79.4	50	94	61.8	79.5	50	94
11:10:30 AM	68.8	79.5	51.1	96.4	68.9	79.6	51.1	96.4
11:11:30 AM	56.3	64.2	50.5	85.1	56.4	64.2	50.5	85.1
11:12:30 AM	60.1	67.7	51.5	79.8	60.1	67.7	51.5	79.8
11:13:30 AM	64.8	71.8	53.7	87.1	64.9	71.8	53.7	87.1
11:14:30 AM	58.6	62.9	51.1	75.7	58.6	62.9	51.1	75.7
11:15:30 AM	61.5	65.8	55.3	79.5	61.5	65.8	55.3	79.6
11:16:30 AM	63.2	77.1	55.5	95.5	63.2	77.1	55.5	95.5

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
11:17:30 AM	59.6	65.7	55.4	83.2	59.6	65.7	55.4	83.2
11:18:30 AM	61.8	66.8	57.5	86.3	61.8	66.9	57.6	86.3
11:19:30 AM	66.2	73.7	58.1	88.8	66.3	73.7	58.1	88.8
11:20:30 AM	59.8	66.6	52.4	79	59.8	66.6	52.5	79
11:21:30 AM	57.8	64.1	51	77.5	57.9	64.2	51	77.5
11:22:30 AM	57	65.3	48.9	78.5	57	65.3	49	78.5
11:23:30 AM	53.1	56	50.9	69.4	53.2	56	50.9	69.5
11:24:30 AM	58.5	68.3	53.2	84.2	58.5	68.3	53.2	84.2
11:25:30 AM	67.1	76.1	54.6	97.7	67.1	76.1	54.6	97.7
11:26:30 AM	55.9	63.1	51.5	76.6	55.9	63.1	51.5	76.7
11:27:30 AM	55.7	61	51.8	75.5	55.7	61	51.9	75.5
11:28:30 AM	59.7	71.1	52.4	87.6	59.8	71.2	52.4	87.6
11:29:30 AM	60	71.9	49.4	89.7	60	71.9	49.4	89.8
11:30:30 AM	64.7	73.3	56.3	87.6	64.8	73.3	56.4	87.6
11:31:30 AM	70.8	83.5	52.3	102.4	70.8	83.5	52.3	102.4
11:32:30 AM	55.8	57.9	53.3	80.3	55.8	57.9	53.4	80.4
11:33:30 AM	58.4	72.3	51.6	107.3	58.4	72.4	51.7	107.3
11:34:30 AM	55.1	61.9	51.4	93.8	55.1	61.9	51.4	93.8
11:35:30 AM	56.6	61.9	51.6	90.9	56.6	61.9	51.6	90.9
11:36:30 AM	60.7	70.8	55.1	105.5	60.8	70.8	55.1	105.6
11:37:30 AM	60.5	62.8	57.3	94.8	60.5	62.9	57.4	94.9
11:38:30 AM	64.8	70	60.7	95.3	64.8	70	60.7	95.3
11:39:30 AM	59.5	63.1	56.4	94.8	59.6	63.2	56.4	94.9
11:40:30 AM	67.9	78.9	56.9	96	67.9	78.9	56.9	96.1
11:41:30 AM	56.1	61.1	51	87.5	56.1	61.1	51	87.6
11:42:30 AM	63	74.7	55.9	106.1	63	74.7	56	106.1
11:43:30 AM	63.1	69.8	57.7	98.5	63.2	69.8	57.7	98.5
11:44:30 AM	56.7	60.7	53.4	90.3	56.7	60.8	53.4	90.4
11:45:30 AM	62.7	70.2	52.4	90.1	62.7	70.2	52.4	90.2
11:46:30 AM	62.1	70.6	53	104.1	62.1	70.6	53	104.1
11:47:30 AM	62.6	68.4	52.9	95.4	62.7	68.4	53	95.4
11:48:30 AM	56.3	64.9	52.6	99.6	56.4	65	52.6	99.7
11:49:30 AM	62.7	70.4	54.3	96.2	62.7	70.5	54.3	96.2
11:50:30 AM	68.6	75.4	57.6	100.9	68.6	75.4	57.6	100.9
11:51:30 AM	65.3	70.8	58.8	104.3	65.3	70.8	58.9	104.3
11:52:30 AM	68.6	72.5	62.8	102.7	68.7	72.6	62.9	102.7
11:53:30 AM	64.8	74.6	60	107.4	64.9	74.7	60.1	107.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
11:54:30 AM	64.1	71.7	58.1	97.4	64.1	71.8	58.1	97.4
11:55:30 AM	59.6	67.7	57.9	100.6	59.6	67.7	57.9	100.6
11:56:30 AM	65.9	72.4	59.6	99.2	65.9	72.4	59.7	99.3
11:57:30 AM	62.3	65.4	59.6	93.8	62.3	65.4	59.6	93.8
11:58:30 AM	62.2	66.7	58.8	89.5	62.3	66.7	58.8	89.5
11:59:30 AM	62.6	69.3	60.4	87.6	62.6	69.4	60.4	87.6
12:00:30 PM	64.6	72.6	60.1	86.8	64.6	72.6	60.1	86.8
12:01:30 PM	64.2	70.6	58.4	89.8	64.2	70.6	58.4	89.8
12:02:30 PM	62.2	68.2	58	80.8	62.2	68.2	58	80.8
12:03:30 PM	67.4	76	58.9	100.2	67.4	76.1	59	100.2
12:04:30 PM	62.5	67.7	58.6	82.1	62.5	67.8	58.6	82.1
12:05:30 PM	61.4	63.7	58.7	79.9	61.4	63.7	58.8	79.9
12:06:30 PM	61.7	63.6	60.5	77.2	61.8	63.6	60.5	77.3
12:07:30 PM	62.3	67.6	58.9	84	62.4	67.6	58.9	84
12:08:30 PM	60.8	65.1	59.4	81.7	60.9	65.2	59.4	81.7
12:09:30 PM	62.2	65.3	59.7	79.6	62.2	65.3	59.8	79.6
12:10:30 PM	62.2	65.3	59.4	77.7	62.2	65.3	59.5	77.8
12:11:30 PM	60.7	65.4	58.7	79.5	60.7	65.4	58.7	79.5
12:12:30 PM	64.7	71.3	59.7	85.8	64.7	71.3	59.7	85.9
12:13:30 PM	69.6	78.4	54.9	92.8	69.6	78.4	55	92.8
12:14:30 PM	54.5	60	50.2	73.3	54.5	60	50.2	73.4
12:15:30 PM	58.5	63.4	53.1	77.1	58.5	63.4	53.1	77.1
12:16:30 PM	63.8	72.2	55.3	85.8	63.8	72.2	55.4	85.8
12:17:30 PM	59.5	64.4	57.1	77.9	59.5	64.4	57.1	78
12:18:30 PM	57.7	60.1	57.1	72.9	57.7	60.2	57.1	72.9
12:19:30 PM	59.7	64.5	57.1	78	59.7	64.5	57.1	78
12:20:30 PM	69.5	79	56.8	92.9	69.5	79.1	56.8	93
12:21:30 PM	60	66.3	52.3	82.8	60	66.3	52.3	82.9
12:22:30 PM	65.1	72.4	55	90.1	65.2	72.4	55.1	90.1
12:23:30 PM	56.5	67.7	51	103	56.5	67.7	51.1	103
12:24:30 PM	59.6	64.4	55.2	85.2	59.7	64.4	55.2	85.2
12:25:30 PM	61.6	66.7	56.2	85.2	61.6	66.7	56.2	85.2
12:26:30 PM	60.1	71.4	55.7	87.7	60.1	71.5	55.7	87.7
12:27:30 PM	56.4	60.1	55.7	79.1	56.5	60.1	55.7	79.1
12:28:30 PM	59.4	64.8	56.2	77.4	59.4	64.9	56.2	77.4
12:29:30 PM	59.1	68.6	55.9	81.6	59.2	68.6	55.9	81.6
12:30:30 PM	61.9	70	56.2	84.7	62	70	56.2	84.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
12:31:30 PM	62.8	69.4	56.6	82.3	62.9	69.5	56.6	82.3
12:32:30 PM	62.3	68	52.5	81.4	62.3	68.1	52.6	81.4
12:33:30 PM	52.7	55.8	51.5	70.1	52.7	55.8	51.5	70
12:34:30 PM	57.4	62.8	52	82.8	57.4	62.9	52	82.8
12:35:30 PM	61.1	65.7	53.7	81.1	61.1	65.7	53.7	81.1
12:36:30 PM	56.3	60.6	51.8	77.4	56.3	60.6	51.8	77.5
12:37:30 PM	67.8	75.1	59.6	91.5	67.8	75.1	59.7	91.5
12:38:30 PM	58.9	66.7	52.9	78.6	58.9	66.7	53	78.7
12:39:30 PM	63	69.4	55.4	85.7	63	69.4	55.5	85.7
12:40:30 PM	57.9	66.5	51.6	82.4	57.9	66.5	51.6	82.4
12:41:30 PM	58.2	65.4	51.7	77.3	58.2	65.4	51.7	77.3
12:42:30 PM	59.1	65.2	51.3	90.3	59.2	65.2	51.3	90.3
12:43:30 PM	56	63	50.5	93.2	56	63	50.5	93.2
12:44:30 PM	63.4	69.7	52.9	95	63.4	69.8	52.9	95
12:45:30 PM	61.3	67.7	53.4	100.8	61.3	67.7	53.4	100.9
12:46:30 PM	60.7	67.8	57.5	101.1	60.7	67.9	57.5	101.1
12:47:30 PM	65.7	79.4	59.7	115.1	65.8	79.4	59.8	115.1
12:48:30 PM	61	72.1	55.2	105.8	61	72.1	55.2	105.8
12:49:30 PM	61.8	67.7	54.9	91.2	61.8	67.8	54.9	91.3
12:50:30 PM	57.1	64.4	52.2	89.1	57.1	64.5	52.2	89.2
12:51:30 PM	61.9	69.5	52.6	83	62	69.6	52.6	83
12:52:30 PM	63.8	71.2	54.9	84.2	63.8	71.2	54.9	84.2
12:53:30 PM	66.1	71.5	58.3	93.3	66.2	71.6	58.4	93.3
12:54:30 PM	62.6	68.7	56.9	83.7	62.6	68.8	56.9	83.7
12:55:30 PM	68.2	83	56.2	102.2	68.2	83	56.3	102.2
12:56:30 PM	61.6	65.4	58.3	78.2	61.6	65.4	58.4	78.2
12:57:30 PM	68	82.2	57.5	101	68.1	82.2	57.5	101
12:58:30 PM	59.9	67.6	58.2	80.6	59.9	67.6	58.2	80.7
12:59:30 PM	59.4	63.3	58.2	77.3	59.4	63.4	58.2	77.4
1:00:30 PM	60.7	63.6	58.8	77	60.7	63.6	58.8	77
1:01:30 PM	65.8	74.5	59.3	94.6	65.8	74.5	59.4	94.7
1:02:30 PM	60.7	69.5	59.4	87.2	60.7	69.5	59.4	87.2
1:03:30 PM	62.3	67	59.3	83.3	62.4	67	59.3	83.4
1:04:30 PM	67.8	74.1	61.5	89.6	67.8	74.2	61.6	89.6
1:05:30 PM	68.2	76.6	56.2	97.1	68.2	76.6	56.3	97.2
1:06:30 PM	57.4	60.6	54.1	74.8	57.4	60.7	54.2	74.8
1:07:30 PM	63.8	72	54.9	85.2	63.9	72	54.9	85.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
1:08:30 PM	67.3	73	56.5	87.2	67.3	73.1	56.6	87.3
1:09:30 PM	59.9	67	53.4	85.6	59.9	67	53.5	85.6
1:10:30 PM	66.1	72.1	57.7	85.5	66.1	72.1	57.7	85.5
1:11:30 PM	70	81	56.9	89.2	70	81	56.9	89.2
1:12:30 PM	70.6	79.5	56.2	88.3	70.6	79.5	56.2	88.3
1:13:30 PM	65.5	76.5	58.2	98.6	65.5	76.5	58.2	98.6
1:14:30 PM	60	65.1	57.4	82.4	60	65.1	57.5	82.4
1:15:30 PM	65.5	69.9	58.7	88.2	65.5	70	58.7	88.3
1:16:30 PM	72.7	84.4	59.8	104.8	72.7	84.4	59.8	104.8
1:17:30 PM	58.9	63.6	54.7	76.4	59	63.6	54.8	76.4
1:18:30 PM	58.4	63.4	51.5	78	58.4	63.4	51.6	78
1:19:30 PM	58.6	62.7	53.2	79.4	58.6	62.8	53.2	79.4
1:20:30 PM	54.8	61.6	51	75.9	54.9	61.6	51	75.9
1:21:30 PM	59	65.6	52	79.2	59	65.6	52	79.3
1:22:30 PM	65.8	72.7	52.8	87.4	65.8	72.7	52.8	87.4
1:23:30 PM	57.1	62.8	52.6	77.8	57.1	62.9	52.7	77.8
1:24:30 PM	60.1	67	52.2	79.5	60.1	67.1	52.3	79.6
1:25:30 PM	57.1	61.3	52.2	83.1	57.1	61.3	52.2	83.1
1:26:30 PM	66.5	72.4	55.8	92.5	66.5	72.4	55.9	92.5
1:27:30 PM	56.6	67.3	52.1	75.6	56.7	67.3	52.1	75.7
1:28:30 PM	58.5	67.6	52.4	80.5	58.5	67.6	52.4	80.5
1:29:30 PM	61.5	70.6	50.8	83.1	61.5	70.6	50.8	83.2
1:30:30 PM	52.7	57.8	50.1	71.4	52.8	57.8	50.1	71.5
1:31:30 PM	53.4	59.1	50.7	72.7	53.4	59.1	50.8	72.7
1:32:30 PM	53.8	60.7	50.7	73.1	53.8	60.8	50.7	73.1
1:33:30 PM	54	61.1	50.3	74.3	54.1	61.2	50.4	74.4
1:34:30 PM	55.6	62.6	50.9	75.5	55.7	62.6	50.9	75.5
1:35:30 PM	59.6	66.5	49.9	84.7	59.6	66.5	49.9	84.7
1:36:30 PM	63.4	71.9	49.1	88.5	63.4	71.9	49.2	88.5
1:37:30 PM	55.4	63.1	50	83.7	55.4	63.2	50	83.8
1:38:30 PM	51.7	57	49.5	73.3	51.7	57.1	49.5	73.3
1:39:30 PM	61.3	64.2	52.8	76.4	61.3	64.3	52.9	76.4
1:40:30 PM	58.8	63.2	53.9	76.3	58.9	63.2	53.9	76.3
1:41:30 PM	57.7	62.7	51.4	79.8	57.7	62.7	51.5	79.8
1:42:30 PM	58.3	63.1	52.9	76.2	58.4	63.1	52.9	76.2
1:43:30 PM	61.7	67.9	55.9	85.9	61.7	67.9	55.9	85.9
1:44:30 PM	56.1	59.6	53.1	74.1	56.1	59.6	53.1	74.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
1:45:30 PM	63.1	73.9	53.4	94.9	63.1	73.9	53.4	95
1:46:30 PM	65.3	79	54.8	97.7	65.4	79	54.8	97.8
1:47:30 PM	60.7	65.5	57	87.1	60.7	65.5	57	87.2
1:48:30 PM	64.2	71.4	57.5	85.4	64.2	71.4	57.5	85.4
1:49:30 PM	70.7	80	56.5	100.1	70.7	80	56.6	100.1
1:50:30 PM	59.5	66.5	54	83	59.5	66.6	54	83.1
1:51:30 PM	60.8	68.7	53.9	84.4	60.8	68.7	53.9	84.5
1:52:30 PM	57.9	62	55.3	79.3	58	62	55.3	79.3
1:53:30 PM	59.7	67.2	56.7	85.5	59.7	67.2	56.7	85.5
1:54:30 PM	57.4	64	55.6	80.1	57.4	64	55.6	80.1
1:55:30 PM	58.7	62.8	55.4	75.7	58.7	62.8	55.4	75.7
1:56:30 PM	60.7	67.5	55.2	83.5	60.8	67.6	55.2	83.5
1:57:30 PM	64.9	73.8	55.9	88.5	64.9	73.9	56	88.5
1:58:30 PM	62.8	72.1	55.2	88	62.8	72.1	55.2	88.1
1:59:30 PM	66.5	69.5	60.1	85.4	66.5	69.6	60.1	85.5
2:00:30 PM	71.3	80.7	64.8	98.9	71.3	80.7	64.8	98.9
2:01:30 PM	68	79.2	56.7	98.6	68.1	79.2	56.8	98.6
2:02:30 PM	67.8	73.7	59.7	90.1	67.8	73.8	59.7	90.1
2:03:30 PM	71.8	84.1	59	102.2	71.9	84.2	59.1	102.2
2:04:30 PM	62.8	67	57.7	97.9	62.8	67	57.7	98
2:05:30 PM	64.7	75.3	57.8	106.9	64.7	75.4	57.8	106.9
2:06:30 PM	68	76.4	58.8	102.5	68	76.4	58.8	102.5
2:07:30 PM	71.3	81.4	59.6	102.1	71.4	81.4	59.7	102.1
2:08:30 PM	62.7	68.2	54.7	90	62.7	68.2	54.7	90
2:09:30 PM	60.6	69.7	53.1	86.9	60.6	69.7	53.1	86.9
2:10:30 PM	65.2	71.4	54.4	83.1	65.2	71.5	54.5	83.1
2:11:30 PM	68.2	74.1	57.4	91	68.3	74.2	57.4	91
2:12:30 PM	67.1	72.4	61.2	91	67.1	72.4	61.2	91
2:13:30 PM	61.8	68.5	54.3	82.3	61.8	68.5	54.3	82.3
2:14:30 PM	67.2	71.9	61.4	92.1	67.2	71.9	61.4	92.1
2:15:30 PM	64.4	72.1	58.6	104.5	64.4	72.1	58.6	104.5
2:16:30 PM	66.8	74.3	62.4	103.4	66.8	74.3	62.4	103.4
2:17:30 PM	65.9	71.7	62.7	108.8	66	71.7	62.7	108.8
2:18:30 PM	66.9	73.7	62.5	111.3	66.9	73.8	62.5	111.3
2:19:30 PM	65.9	68.7	63.3	97.6	65.9	68.7	63.3	97.6
2:20:30 PM	65	71	60.3	90.5	65	71	60.3	90.6
2:21:30 PM	62.2	65.4	60	79.7	62.2	65.4	60	79.7

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
2:22:30 PM	67.4	76.9	62.2	95.5	67.5	77	62.3	95.5
2:23:30 PM	63.7	67.7	57.8	82.4	63.7	67.7	57.8	82.4
2:24:30 PM	76.6	92.1	57.5	110.3	76.6	92.1	57.6	110.3
2:25:30 PM	63.1	67.8	58.3	83.2	63.1	67.9	58.3	83.2
2:26:30 PM	63.3	71.8	58.4	88.3	63.3	71.9	58.4	88.4
2:27:30 PM	61.9	67.5	58.3	88.2	61.9	67.5	58.3	88.2
2:28:30 PM	70.5	75.9	61.2	96.2	70.6	76	61.2	96.2
2:29:30 PM	62.8	69.4	58.1	83.7	62.8	69.4	58.1	83.8
2:30:30 PM	71	79.8	64.4	101.8	71	79.8	64.4	101.8
2:31:30 PM	68.6	81.5	62.5	101	68.6	81.5	62.5	101
2:32:30 PM	75.6	81	63.7	94.2	75.6	81	63.7	94.2
2:33:30 PM	65.5	72.1	60.6	91.9	65.5	72.1	60.6	92
2:34:30 PM	65.1	77.4	59.4	91.9	65.2	77.4	59.4	92
2:35:30 PM	66	75	61.6	93.9	66.1	75	61.6	93.9
2:36:30 PM	64	71.2	60.7	85.3	64	71.2	60.7	85.4
2:37:30 PM	62.7	66.3	60.5	88.5	62.7	66.4	60.5	88.5
2:38:30 PM	62.8	68.4	60.2	82.9	62.8	68.5	60.2	82.9
2:39:30 PM	61.8	65.3	60.5	77.4	61.8	65.3	60.5	77.4
2:40:30 PM	63.2	68.8	60.4	83.2	63.3	68.8	60.4	83.2
2:41:30 PM	70.8	83	60.7	101.7	70.8	83	60.7	101.7
2:42:30 PM	61.6	69.1	55.1	84.9	61.6	69.1	55.1	85
2:43:30 PM	57.6	60.9	49.7	74.3	57.6	60.9	49.7	74.4
2:44:30 PM	51.3	58.1	49.2	70.1	51.3	58.1	49.2	70.2
2:45:30 PM	53.7	61.1	49.4	75.4	53.7	61.1	49.4	75.5
2:46:30 PM	57.5	67.4	50.4	80.7	57.6	67.4	50.4	80.7
2:47:30 PM	58.1	67.5	51	79	58.2	67.5	51.1	79
2:48:30 PM	67.9	75.5	53.6	91.7	67.9	75.6	53.6	91.7
2:49:30 PM	60.7	66.9	54.3	81	60.8	66.9	54.4	81
2:50:30 PM	62.6	68.6	57.8	86.3	62.6	68.6	57.9	86.3
2:51:30 PM	61.7	65.4	56.2	83.8	61.7	65.4	56.2	83.9
2:52:30 PM	59.5	62.6	56.4	78.3	59.5	62.6	56.5	78.4
2:53:30 PM	69.7	76.6	59.7	97.7	69.7	76.6	59.7	97.7
2:54:30 PM	58.7	65.9	55	80.3	58.8	65.9	55	80.3
2:55:30 PM	63	72	54.6	85.6	63	72	54.6	85.6
2:56:30 PM	61.6	67.9	55.6	85.2	61.6	67.9	55.7	85.3
2:57:30 PM	57.9	62.6	54.6	75.3	57.9	62.7	54.6	75.4
2:58:30 PM	57.7	63.8	55.2	78.2	57.7	63.8	55.2	78.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
2:59:30 PM	57	64.2	54.9	77.2	57	64.3	54.9	77.2
3:00:30 PM	57.9	63.2	54.9	76.6	58	63.2	55	76.6
3:01:30 PM	59.6	66.3	55.5	79.8	59.6	66.4	55.5	79.8
3:02:30 PM	60.9	65.3	56.5	79.3	60.9	65.3	56.5	79.3
3:03:30 PM	62.2	70.2	55.9	82.8	62.2	70.2	56	82.9
3:04:30 PM	58.1	61.9	55.4	76	58.1	62	55.5	76
3:05:30 PM	61.3	67.9	55.2	84	61.3	67.9	55.2	84
3:06:30 PM	60	70.2	54.6	85.5	60	70.3	54.7	85.5
3:07:30 PM	64.8	73.9	55	91.6	64.8	73.9	55	91.6
3:08:30 PM	59.3	64	55	76.7	59.3	64	55	76.8
3:09:30 PM	67.2	78.3	55.5	99.9	67.2	78.3	55.5	99.9
3:10:30 PM	57.2	63	54.2	76.2	57.2	63	54.2	76.2
3:11:30 PM	59.9	65	54.4	80.8	59.9	65	54.5	80.8
3:12:30 PM	58.1	65.7	56.5	81.4	58.1	65.8	56.6	81.5
3:13:30 PM	66.9	75	56.9	87	66.9	75	56.9	87
3:14:30 PM	60.4	65.1	57.2	78.1	60.4	65.1	57.2	78.2
3:15:30 PM	59	64.1	57.1	79.4	59.1	64.2	57.1	79.4
3:16:30 PM	60	71.5	57.3	84.8	60	71.5	57.4	84.8
3:17:30 PM	71.4	81.7	56.7	99.8	71.4	81.7	56.7	99.8
3:18:30 PM	67.9	78.1	56.9	96.5	68	78.1	57	96.5
3:19:30 PM	69.4	80.6	57	99.1	69.5	80.6	57	99.2
3:20:30 PM	60.2	65.3	56	80.6	60.2	65.3	56.1	80.6
3:21:30 PM	65.4	71	57.3	89	65.4	71	57.4	89
3:22:30 PM	60.7	67.3	54.1	79.7	60.7	67.3	54.1	79.8
3:23:30 PM	60.8	63.9	55.6	79.1	60.8	63.9	55.6	79.1
3:24:30 PM	62.5	73.3	54.9	87.4	62.6	73.3	54.9	87.5
3:25:30 PM	63.1	68.8	56.8	79.7	63.1	68.9	56.8	79.7
3:26:30 PM	61.2	67.8	55.7	79.8	61.3	67.9	55.7	79.8
3:27:30 PM	59.6	67.8	54.7	80	59.6	67.8	54.7	80.1
3:28:30 PM	60.7	67.3	55.2	80.7	60.7	67.3	55.2	80.8
3:29:30 PM	63.1	70.6	55.7	84.9	63.1	70.7	55.7	84.9
3:30:30 PM	58.3	62.5	55.5	76.4	58.4	62.5	55.6	76.4
3:31:30 PM	57.6	61.8	54.7	79.2	57.6	61.8	54.8	79.2
3:32:30 PM	65.2	71.6	58	85.1	65.3	71.7	58.1	85.1
3:33:30 PM	61.1	66.5	55.7	83.1	61.1	66.5	55.7	83.1
3:34:30 PM	68.4	75.5	55	96.5	68.4	75.5	55.1	96.6
3:35:30 PM	58.8	64	55.4	77.4	58.9	64	55.5	77.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:36:30 PM	63.9	71.7	55.5	84.2	63.9	71.8	55.5	84.3
3:37:30 PM	65.9	79.5	56.8	110.9	65.9	79.5	56.8	110.9
3:38:30 PM	66.4	72.5	56	90.1	66.4	72.6	56.1	90.1
3:39:30 PM	58.6	63.6	54.4	77.7	58.7	63.7	54.5	77.7
3:40:30 PM	71.2	81.2	58.9	103.4	71.2	81.2	59	103.4
3:41:30 PM	71.3	78.8	59.3	99	71.3	78.9	59.3	99
3:42:30 PM	61.3	70.2	55.3	84.4	61.3	70.2	55.3	84.4
3:43:30 PM	66.7	73.6	55.2	94.4	66.7	73.6	55.2	94.5
3:44:30 PM	59.5	64	55	84.6	59.5	64	55	84.6
3:45:30 PM	57.9	63.8	54.6	82.8	57.9	63.9	54.7	82.8
3:46:30 PM	59.7	63.3	57.2	87.4	59.8	63.3	57.2	87.4
3:47:30 PM	64.3	68.8	59.2	82.1	64.4	68.8	59.2	82.1
3:48:30 PM	59.9	67.7	56.8	84.9	59.9	67.8	56.8	85
3:49:30 PM	61.5	67.7	56.7	87.7	61.5	67.7	56.7	87.7
3:50:30 PM	64.8	71.4	57.5	91.6	64.9	71.4	57.5	91.6
3:51:30 PM	66.3	74.6	59.4	99	66.3	74.6	59.4	99
3:52:30 PM	62.9	74.3	59	86.8	63	74.4	59.1	86.9
3:53:30 PM	62.4	67.7	59.2	94.7	62.4	67.8	59.3	94.7
3:54:30 PM	69	76.3	60.9	98.1	69	76.3	60.9	98.2
3:55:30 PM	63.9	71.5	59	100.9	64	71.5	59	100.9
3:56:30 PM	62.4	66.1	58.6	98	62.4	66.1	58.6	98
3:57:30 PM	69.2	76.1	59	98.7	69.3	76.1	59	98.7
3:58:30 PM	63.7	67.2	59.3	101.1	63.8	67.2	59.4	101.1
3:59:30 PM	60.1	66.1	57	101	60.1	66.1	57	101
4:00:30 PM	62.9	70.3	58.5	94.9	62.9	70.3	58.6	94.9
4:01:30 PM	60.4	65.9	58	101.8	60.4	66	58	101.8
4:02:30 PM	62.9	71.6	57.9	105.2	62.9	71.7	57.9	105.3
4:03:30 PM	70.9	77.2	58.7	102	70.9	77.2	58.7	102.1
4:04:30 PM	72.6	79	67	104.6	72.6	79.1	67.1	104.6
4:05:30 PM	66.6	79.5	59.1	104.2	66.6	79.5	59.1	104.3
4:06:30 PM	62.6	66	59.2	96.6	62.6	66	59.2	96.6
4:07:30 PM	66.1	69	60.8	97.4	66.1	69	60.8	97.4
4:08:30 PM	62.5	66	60.3	89.2	62.5	66	60.4	89.2
4:09:30 PM	68.9	79	59.8	97.7	68.9	79	59.8	97.8
4:10:30 PM	62.7	68.8	58	86.3	62.7	68.8	58.1	86.4
4:11:30 PM	58.8	63	57	85.7	58.8	63	57	85.7
4:12:30 PM	66.9	73.9	58.9	89.7	66.9	73.9	58.9	89.7

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
4:13:30 PM	63.8	70.3	56.9	85.4	63.8	70.4	57	85.4
4:14:30 PM	58.3	59.5	57	81.4	58.3	59.5	57	81.4
4:15:30 PM	60.3	70.1	57.6	91.4	60.4	70.1	57.7	91.5
4:16:30 PM	63.6	69.8	58.5	88.8	63.6	69.8	58.5	88.8
4:17:30 PM	62.1	69	57.6	82	62.2	69	57.6	82
4:18:30 PM	59.4	62.8	57.6	78.5	59.5	62.8	57.7	78.5
4:19:30 PM	60.1	65.9	57.2	83.9	60.2	65.9	57.2	83.9
4:20:30 PM	63.1	70.1	57.5	85	63.2	70.1	57.5	85
4:21:30 PM	78.9	86.1	58.3	100.8	79	86.2	58.3	100.9
4:22:30 PM	72.5	81.5	55.9	95.1	72.6	81.5	56	95.1
4:23:30 PM	59.5	68	53.8	80	59.5	68.1	53.8	80
4:24:30 PM	63.7	71.5	55.5	84.6	63.8	71.6	55.5	84.6
4:25:30 PM	66.7	73.2	59	94.8	66.8	73.2	59.1	94.8
4:26:30 PM	65.5	72.2	55.8	89.9	65.5	72.3	55.8	89.9
4:27:30 PM	67.1	74.9	55.9	93.7	67.1	74.9	55.9	93.8
4:28:30 PM	63.8	70.9	57.8	89.1	63.8	71	57.8	89.1
4:29:30 PM	60.7	68.7	54.8	82.2	60.8	68.7	54.8	82.3
4:30:30 PM	58	63.3	54	76	58	63.3	54	76.1
4:31:30 PM	58.3	65.9	54.9	78.9	58.4	66	54.9	78.9
4:32:30 PM	57.4	60.9	55.1	75.5	57.4	61	55.1	75.5
4:33:30 PM	58.8	64.1	55.4	77.4	58.9	64.1	55.5	77.4
4:34:30 PM	68.6	75.5	57.5	93	68.6	75.5	57.5	93
4:35:30 PM	61.5	68.8	57.8	82.2	61.5	68.8	57.8	82.2
4:36:30 PM	68.1	75.5	59	94.8	68.1	75.5	59	94.9
4:37:30 PM	66.6	73.2	60.8	93.2	66.7	73.2	60.9	93.2
4:38:30 PM	66.1	75.9	59.9	98.7	66.1	75.9	59.9	98.7
4:39:30 PM	63.1	66.2	60.1	79.8	63.1	66.3	60.1	79.9
4:40:30 PM	63.5	74.5	59.8	85.6	63.6	74.5	59.9	85.6
4:41:30 PM	63.8	71	61	89	63.8	71	61.1	89.1
4:42:30 PM	68.4	71.2	61.5	84.3	68.5	71.2	61.5	84.4
4:43:30 PM	63.4	69.7	61.6	83	63.4	69.7	61.7	83
4:44:30 PM	71.8	80.2	61	99.2	71.8	80.3	61.1	99.3
4:45:30 PM	63.3	67.1	59.5	84	63.3	67.1	59.5	84
4:46:30 PM	62.2	68.2	59.5	81.2	62.2	68.2	59.6	81.2
4:47:30 PM	60	62	58.9	78.3	60	62	59	78.3
4:48:30 PM	61.5	64.6	59.1	80.1	61.5	64.7	59.1	80.2
4:49:30 PM	62.4	64.3	59.1	83.4	62.5	64.3	59.2	83.4

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
4:50:30 PM	72.9	84.3	62	104.7	72.9	84.3	62	104.7
4:51:30 PM	60.7	64.9	57.2	84.3	60.7	64.9	57.2	84.4
4:52:30 PM	61.7	68.6	56.8	82	61.7	68.6	56.8	82.1
4:53:30 PM	64.3	77.6	57.7	90.8	64.3	77.6	57.7	90.8
4:54:30 PM	66.1	77.4	58.5	84.5	66.1	77.4	58.5	84.5
4:55:30 PM	60	66.4	53.3	85.2	60	66.4	53.3	85.2
4:56:30 PM	62.9	74.5	50.9	87.8	63	74.5	50.9	87.8
4:57:30 PM	57.9	63.1	50.7	81.9	57.9	63.1	50.7	81.9
4:58:30 PM	58.3	69.1	52.4	83.4	58.3	69.1	52.4	83.4
4:59:30 PM	65.1	73.2	53.1	91.7	65.1	73.2	53.1	91.7
5:00:30 PM	58.3	63.1	53.8	78	58.4	63.1	53.8	78
5:01:30 PM	57.6	62.9	50.7	84.6	57.6	62.9	50.8	84.7
5:02:30 PM	61.2	69.9	54.4	83.4	61.2	69.9	54.4	83.4
5:03:30 PM	65.6	72.8	53	89.3	65.6	72.8	53	89.3
5:04:30 PM	62.1	69.6	51.8	82	62.1	69.6	51.8	82
5:05:30 PM	58.9	68.7	54.8	86	58.9	68.8	54.8	86.1
5:06:30 PM	59.9	65.8	55	85.9	59.9	65.8	55	86
5:07:30 PM	57.5	63.7	54.3	76.7	57.5	63.7	54.3	76.7
5:08:30 PM	58.3	62.7	55.5	77.4	58.3	62.7	55.6	77.4
5:09:30 PM	56.8	59.3	55.1	72.9	56.8	59.3	55.1	72.9
5:10:30 PM	56.7	59.4	55.2	73.1	56.7	59.4	55.2	73.1
5:11:30 PM	65.2	73.1	57.5	97.2	65.2	73.2	57.6	97.2
5:12:30 PM	58	62.2	55.5	81.5	58.1	62.2	55.6	81.6
5:13:30 PM	66.5	69.7	61.2	89.2	66.5	69.7	61.2	89.2
5:14:30 PM	66.3	68.3	65.3	82.7	66.3	68.4	65.3	82.7
5:15:30 PM	67.4	71	65.6	85.4	67.4	71	65.6	85.4
5:16:30 PM	67.6	75.3	61.3	95.7	67.6	75.3	61.3	95.7
5:17:30 PM	70.5	81.4	57.9	94.8	70.5	81.4	58	94.8
5:18:30 PM	71.7	78.5	56.6	98.2	71.7	78.5	56.6	98.2
5:19:30 PM	61.9	72.3	54.1	83.3	61.9	72.3	54.1	83.3
5:20:30 PM	61.3	70.9	56.4	87.4	61.3	70.9	56.4	87.4
5:21:30 PM	67.8	77.5	57.2	102	67.8	77.5	57.3	102
5:22:30 PM	60.6	70.6	55.8	82.4	60.6	70.6	55.9	82.5
5:23:30 PM	59.6	70	57.1	87.1	59.7	70	57.1	87.1
5:24:30 PM	67.2	73.7	56.6	89.3	67.2	73.7	56.6	89.3
5:25:30 PM	69.7	78.7	56.7	96.2	69.8	78.8	56.7	96.3
5:26:30 PM	70.2	78.2	58.8	93.6	70.2	78.3	58.8	93.7

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
5:27:30 PM	62.1	73.1	55.5	88.7	62.1	73.1	55.5	88.7
5:28:30 PM	71.5	80.1	58.1	94.4	71.5	80.1	58.1	94.4
5:29:30 PM	62.3	71.6	49.8	88.9	62.3	71.6	49.8	88.9
5:30:30 PM	58.3	64.8	51.8	78.1	58.4	64.8	51.8	78.2
5:31:30 PM	54.1	58.4	49.3	72.3	54.1	58.4	49.3	72.3
5:32:30 PM	56.8	64.7	49.9	78.9	56.8	64.7	49.9	78.9
5:33:30 PM	62.5	70.3	54.7	84.6	62.5	70.3	54.7	84.7
5:34:30 PM	56.3	59.8	53.4	73.5	56.3	59.9	53.4	73.5
5:35:30 PM	64.5	72.8	52.1	92.2	64.5	72.9	52.2	92.2
5:36:30 PM	54	62.3	50.7	75.4	54.1	62.3	50.7	75.4
5:37:30 PM	54.1	61.8	49.5	78.2	54.1	61.8	49.5	78.3
5:38:30 PM	50.9	54.6	49.5	70	50.9	54.6	49.5	70
5:39:30 PM	65.2	73.1	51.4	89.3	65.2	73.1	51.4	89.4
5:40:30 PM	60.8	68	51.1	80.9	60.8	68	51.1	80.9
5:41:30 PM	55.8	58.3	54.1	72.1	55.8	58.3	54.1	72.2
5:42:30 PM	58	61.9	54.4	80.4	58	61.9	54.5	80.4
5:43:30 PM	64.8	69.8	56.3	82.6	64.8	69.9	56.3	82.6
5:44:30 PM	57.1	60.4	55.5	79.7	57.1	60.4	55.5	79.7
5:45:30 PM	59.5	64.3	57	81.3	59.5	64.3	57	81.3
5:46:30 PM	64	72.4	55.9	85.8	64	72.4	56	85.8
5:47:30 PM	67.7	77	54.6	96.3	67.8	77	54.6	96.4
5:48:30 PM	54.7	57.7	53.1	71.8	54.7	57.7	53.1	71.9
5:49:30 PM	55.2	59.8	52.9	77.2	55.3	59.8	52.9	77.2
5:50:30 PM	59.7	68.9	50.9	82.5	59.7	68.9	50.9	82.5
5:51:30 PM	53	59.6	49.5	76.7	53	59.6	49.6	76.7
5:52:30 PM	60.1	66.5	52.7	80.1	60.1	66.5	52.7	80.1
5:53:30 PM	55.9	59.6	52.8	72.6	55.9	59.7	52.9	72.7
5:54:30 PM	53.5	56	52.8	73.8	53.5	56	52.8	73.9
5:55:30 PM	70.2	77.1	53.4	98.3	70.2	77.1	53.4	98.3
5:56:30 PM	53.6	58.6	48.3	72.4	53.7	58.6	48.3	72.5
5:57:30 PM	56.9	65	47.7	79.1	57	65	47.7	79.1
5:58:30 PM	54.3	61.3	48.3	78.2	54.3	61.4	48.4	78.2
5:59:30 PM	49.7	58.9	47	68.5	49.7	58.9	47.1	68.5
6:00:30 PM	58	66.3	49.8	81.2	58.1	66.3	49.9	81.1
6:01:30 PM	62.5	69.4	50	87.2	62.5	69.4	50.1	87.2
6:02:30 PM	51.7	57.2	47.1	72.6	51.7	57.3	47.2	72.6
6:03:30 PM	54.2	64.4	49.1	80	54.2	64.4	49.1	80.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
6:04:30 PM	59.1	70.2	48.7	84.1	59.1	70.3	48.7	84.1
6:05:30 PM	58.9	65.8	49.2	79.1	59	65.8	49.2	79.2
6:06:30 PM	59.9	71.2	48	87	59.9	71.2	48	87
6:07:30 PM	55.4	61.8	49.8	74.8	55.4	61.8	49.9	74.9
6:08:30 PM	55.9	61	50.6	79.3	55.9	61.1	50.7	79.3
6:09:30 PM	53.9	62.2	49	75.6	53.9	62.2	49	75.6
6:10:30 PM	64.2	70.5	53.9	88.5	64.2	70.6	53.9	88.5
6:11:30 PM	64.9	73.2	57.5	84.6	65	73.2	57.5	84.7
6:12:30 PM	61.7	67.6	60.2	95.7	61.8	67.6	60.3	95.7
6:13:30 PM	62.4	68.5	60.5	83.2	62.4	68.5	60.5	83.3
6:14:30 PM	62	69.5	60.5	82.3	62	69.5	60.5	82.3
6:15:30 PM	61.6	64.6	60.6	85.5	61.7	64.7	60.6	85.6
6:16:30 PM	61.4	64.4	60.8	86.2	61.4	64.4	60.8	86.2
6:17:30 PM	61.4	66.6	60.4	85.5	61.4	66.6	60.4	85.5
6:18:30 PM	61.4	62.7	60.9	78.3	61.4	62.8	61	78.4
6:19:30 PM	65.4	71.3	61	84.5	65.4	71.4	61	84.6
6:20:30 PM	68.1	78.4	61	96.7	68.1	78.4	61	96.7
6:21:30 PM	64.8	69.9	61.2	82.4	64.8	69.9	61.3	82.4
6:22:30 PM	60.5	63.3	60.1	83.1	60.5	63.3	60.1	83.1
6:23:30 PM	61.8	66.7	60	79.4	61.9	66.7	60.1	79.4
6:24:30 PM	65	74.4	60	94.5	65	74.5	60	94.5
6:25:30 PM	62.3	67.8	60.9	88.4	62.4	67.8	61	88.4
6:26:30 PM	65.6	76.3	58.6	88.2	65.7	76.3	58.6	88.2
6:27:30 PM	63.3	74.7	52.2	85.2	63.4	74.7	52.2	85.2
6:28:30 PM	58.7	64.6	50.9	82.5	58.7	64.7	50.9	82.6
6:29:30 PM	51.3	52.8	49.5	72.9	51.4	52.8	49.6	72.9
6:30:30 PM	60.1	69	50.6	81.9	60.1	69.1	50.6	82
6:31:30 PM	61	69.5	57.5	89.2	61	69.5	57.5	89.2
6:32:30 PM	60.6	67.3	53.1	81	60.6	67.4	53.1	81.1
6:33:30 PM	76.5	86.3	54.2	98.6	76.5	86.3	54.2	98.6
6:34:30 PM	66.7	67.6	66.1	82	66.8	67.6	66.2	82
6:35:30 PM	72.4	80.8	60.1	92.1	72.4	80.8	60.1	92.1
6:36:30 PM	62.6	72.4	53.7	89.9	62.6	72.5	53.7	90
6:37:30 PM	57	68.2	53.8	88.4	57.1	68.3	53.8	88.5
6:38:30 PM	57.7	64.4	54.7	81.1	57.7	64.4	54.7	81.1
6:39:30 PM	59.2	67	52.6	84.5	59.3	67	52.6	84.5
6:40:30 PM	61.6	70.6	48.9	85.6	61.7	70.6	48.9	85.7

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
6:41:30 PM	52	56.1	49.5	70	52	56.1	49.5	70
6:42:30 PM	50.3	51.7	48.2	65	50.4	51.7	48.2	65
6:43:30 PM	56.3	64.1	50.6	88.1	56.3	64.1	50.6	88.2
6:44:30 PM	72	78.2	61.8	92.1	72	78.2	61.8	92.2
6:45:30 PM	68.7	76	55.5	99.5	68.7	76	55.5	99.5
6:46:30 PM	62.7	69.3	53.3	82.5	62.7	69.3	53.3	82.5
6:47:30 PM	62.6	65.8	59.3	78.8	62.6	65.9	59.3	78.8
6:48:30 PM	62	66	58.5	83.5	62	66	58.6	83.5
6:49:30 PM	62.5	71.3	56.5	85.3	62.5	71.3	56.5	85.3
6:50:30 PM	60.1	69.9	56.6	86.5	60.1	70	56.6	86.5
6:51:30 PM	61	68.7	58.6	86.1	61	68.7	58.7	86.1
6:52:30 PM	60.5	70	58.2	87.2	60.6	70	58.2	87.3
6:53:30 PM	58.4	64	57.6	84.2	58.4	64.1	57.6	84.3
6:54:30 PM	65.4	72.8	57.9	86.6	65.4	72.8	58	86.6
6:55:30 PM	62.2	70.8	57.5	84.5	62.2	70.9	57.5	84.6
6:56:30 PM	59.4	63.9	57.3	77	59.5	63.9	57.3	77.1
6:57:30 PM	59.2	62.5	56.6	80.2	59.2	62.5	56.6	80.2
6:58:30 PM	65	73	59.2	86.1	65	73	59.2	86.1
6:59:30 PM	60.3	63.1	58.9	76.2	60.4	63.1	59	76.2
7:00:30 PM	59.3	66.1	57.5	86.5	59.4	66.1	57.5	86.5
7:01:30 PM	60.9	72.3	56.8	92.3	60.9	72.3	56.8	92.3
7:02:30 PM	61	69.1	59.4	86.7	61.1	69.1	59.4	86.7
7:03:30 PM	60.5	66.8	59	88.8	60.6	66.8	59.1	88.8
7:04:30 PM	64.4	74.8	60.4	94.6	64.4	74.8	60.4	94.6
7:05:30 PM	66.3	80	60.1	97.9	66.3	80	60.1	97.9
7:06:30 PM	67.5	76.7	52.8	96	67.5	76.7	52.8	96
7:07:30 PM	60.3	66.3	52.6	78.9	60.3	66.3	52.6	79
7:08:30 PM	52.2	56.5	49.5	71.5	52.3	56.5	49.5	71.5
7:09:30 PM	52.9	57.9	47.6	77.5	52.9	57.9	47.6	77.5
7:10:30 PM	53.9	56.3	48.5	71.9	54	56.4	48.5	71.9
7:11:30 PM	59.7	67.3	54.6	85.5	59.7	67.3	54.7	85.5
7:12:30 PM	56.9	67.3	54.3	84.4	57	67.3	54.3	84.5
7:13:30 PM	56.9	65.5	54	81.4	56.9	65.5	54.1	81.4
7:14:30 PM	54.9	60.5	53.9	78.1	54.9	60.5	53.9	78.1
7:15:30 PM	58.5	61.7	54.5	76.3	58.5	61.7	54.5	76.3
7:16:30 PM	65	77.9	60.5	96.4	65.1	77.9	60.5	96.4
7:17:30 PM	67.1	72.7	61.2	95.7	67.1	72.7	61.2	95.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7:18:30 PM	71.2	80.2	54.9	101.1	71.2	80.2	55	101.1
7:19:30 PM	62.5	72.6	54.7	86.5	62.5	72.6	54.7	86.5
7:20:30 PM	64.7	72.6	56.6	90.1	64.7	72.7	56.6	90.1
7:21:30 PM	63.1	74.6	53.8	92.4	63.1	74.6	53.8	92.4
7:22:30 PM	49.9	54	48	66	49.9	54	48	66
7:23:30 PM	49	56.4	47.6	71.5	49	56.4	47.6	71.5
7:24:30 PM	49.8	56.3	47.2	68.5	49.8	56.3	47.3	68.6
7:25:30 PM	51	57.8	46.8	72.9	51	57.8	46.9	72.9
7:26:30 PM	49.7	55.5	46.6	70.4	49.8	55.6	46.6	70.4
7:27:30 PM	71	83.6	51.6	101.5	71	83.6	51.7	101.5
7:28:30 PM	49	54.8	47	70	49	54.8	47	70
7:29:30 PM	56.9	64.1	48	76.9	56.9	64.1	48	76.9
7:30:30 PM	54.5	60.6	48.3	76.8	54.6	60.6	48.3	76.8
7:31:30 PM	49.6	55.3	47.1	73.5	49.6	55.3	47.1	73.6
7:32:30 PM	50.5	57	46.8	71	50.5	57	46.8	71
7:33:30 PM	48.3	51.1	47.1	64.8	48.3	51.1	47.1	64.8
7:34:30 PM	58.7	68.9	48.3	82.7	58.7	68.9	48.3	82.7
7:35:30 PM	58.8	64.7	51	80.1	58.8	64.8	51.1	80.1
7:36:30 PM	58.7	68.6	50.2	81.8	58.8	68.7	50.2	81.9
7:37:30 PM	53.7	59.5	51.4	77.4	53.7	59.5	51.4	77.4
7:38:30 PM	54.1	62	47.5	85.3	54.1	62	47.5	85.3
7:39:30 PM	51.1	59	46.8	74	51.2	59	46.8	74.1
7:40:30 PM	52.1	57.2	47.8	81.5	52.1	57.3	47.8	81.6
7:41:30 PM	57.5	62.7	50.6	80	57.5	62.8	50.6	80
7:42:30 PM	54.1	63.9	47.2	80.8	54.1	63.9	47.3	80.8
7:43:30 PM	48.6	51.9	47.2	65.2	48.7	51.9	47.2	65.2
7:44:30 PM	61.8	70.6	47.2	86.6	61.9	70.6	47.2	86.7
7:45:30 PM	58.2	69.1	49.4	87.2	58.2	69.1	49.4	87.2
7:46:30 PM	53.1	58.8	48.8	74.2	53.2	58.9	48.8	74.3
7:47:30 PM	53.2	63.4	49	82.8	53.2	63.4	49	82.8
7:48:30 PM	63	75.7	49.2	85.3	63	75.7	49.2	85.3
7:49:30 PM	56.9	62.3	52.8	77.9	57	62.3	52.8	77.9
7:50:30 PM	65.1	75.9	52.8	89.7	65.2	75.9	52.8	89.7
7:51:30 PM	64.2	75.2	48.7	88	64.2	75.3	48.7	88
7:52:30 PM	50.8	55.9	47.4	67.9	50.8	55.9	47.4	67.9
7:53:30 PM	50.5	55.6	48.2	68.6	50.6	55.6	48.2	68.7
7:54:30 PM	56.2	59.8	49.4	73.1	56.3	59.8	49.4	73.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7:55:30 PM	64.2	72.2	49.3	86.4	64.2	72.3	49.3	86.5
7:56:30 PM	56.5	62.1	48	75	56.5	62.1	48	75
7:57:30 PM	50.6	57.1	47.9	69.6	50.6	57.1	47.9	69.6
7:58:30 PM	50	55.8	47	71.8	50	55.8	47.1	71.9
7:59:30 PM	52.2	58.5	47.2	74.5	52.3	58.5	47.2	74.6
8:00:30 PM	49.7	52.6	48	65	49.8	52.7	48	65
8:01:30 PM	50.5	54.8	48.8	68	50.5	54.8	48.8	68
8:02:30 PM	61.9	71.7	49.4	83.5	62	71.8	49.4	83.5
8:03:30 PM	62.6	74.8	55.2	91.9	62.6	74.9	55.2	91.9
8:04:30 PM	60.7	66	58.9	85.7	60.7	66	58.9	85.7
8:05:30 PM	64.7	70.4	54.2	88	64.7	70.4	54.3	88
8:06:30 PM	62	69	50.3	81.7	62.1	69.1	50.3	81.8
8:07:30 PM	49.1	50.7	48	65.3	49.1	50.8	48	65.3
8:08:30 PM	63.1	70.4	49	84.5	63.1	70.4	49	84.6
8:09:30 PM	67.2	77.7	49.4	91.7	67.2	77.7	49.4	91.7
8:10:30 PM	54.7	60.8	49.1	80	54.7	60.9	49.2	80
8:11:30 PM	59.3	66.7	50.1	80.2	59.4	66.7	50.1	80.3
8:12:30 PM	61.1	71	50.8	83.9	61.1	71	50.9	84
8:13:30 PM	68.3	74.4	58.8	89.2	68.3	74.4	58.9	89.2
8:14:30 PM	70.6	77	53.8	93.3	70.6	77	53.8	93.3
8:15:30 PM	52.5	56.4	49.1	73.9	52.5	56.4	49.1	73.9
8:16:30 PM	55.6	64	51.2	77.6	55.6	64	51.2	77.7
8:17:30 PM	59.1	65.8	52.3	79.4	59.1	65.8	52.3	79.4
8:18:30 PM	58.1	67.9	48.9	79.4	58.1	67.9	48.9	79.5
8:19:30 PM	61.7	66.1	48.7	84.4	61.8	66.1	48.8	84.5
8:20:30 PM	51.5	55.9	48.8	68.9	51.6	55.9	48.8	69
8:21:30 PM	52.9	59.7	49	73.1	52.9	59.7	49.1	73.1
8:22:30 PM	62.7	71.7	50.2	85.3	62.7	71.7	50.3	85.3
8:23:30 PM	50.9	54.7	48.1	70.6	50.9	54.7	48.1	70.7
8:24:30 PM	52.3	61.4	48.3	75.3	52.3	61.5	48.3	75.3
8:25:30 PM	53.1	61.3	47.8	82.9	53.1	61.3	47.8	82.9
8:26:30 PM	58.3	65	49.1	77.5	58.3	65	49.1	77.5
8:27:30 PM	48.2	56	46.6	64.6	48.2	56	46.7	64.8
8:28:30 PM	48.8	53.6	47.1	67.1	48.9	53.6	47.1	67.1
8:29:30 PM	51.8	59.6	47.8	78.1	51.8	59.6	47.9	78.1
8:30:30 PM	48.4	53.7	46.7	65.4	48.4	53.7	46.7	65.5
8:31:30 PM	58.6	66.7	50.5	84.8	58.7	66.7	50.5	84.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
8:32:30 PM	59.9	67	47.4	84.4	59.9	67	47.5	84.5
8:33:30 PM	50.6	54.7	47.6	74.6	50.6	54.7	47.7	74.6
8:34:30 PM	52.3	62.5	48.5	81.7	52.3	62.5	48.6	81.7
8:35:30 PM	50.8	52.9	49.2	65.3	50.9	53	49.2	65.4
8:36:30 PM	50.1	53.3	48.6	67.6	50.1	53.4	48.7	67.5
8:37:30 PM	50.9	55.5	48.6	69	51	55.5	48.6	69
8:38:30 PM	59.5	68.6	51.3	82.3	59.6	68.6	51.3	82.3
8:39:30 PM	51.8	57.6	49.8	68.1	51.8	57.7	49.9	68.1
8:40:30 PM	50.2	51	49.4	66.6	50.2	51	49.4	66.6
8:41:30 PM	53.5	56.3	50.5	72.2	53.5	56.3	50.5	72.2
8:42:30 PM	62.6	67.7	49.4	83.9	62.6	67.7	49.5	83.9
8:43:30 PM	49.4	50.4	48.4	67.5	49.4	50.5	48.5	67.5
8:44:30 PM	50.4	52.2	49.3	67.2	50.5	52.3	49.3	67.2
8:45:30 PM	50.7	52.1	49.5	65.9	50.7	52.1	49.5	66.1
8:46:30 PM	51.5	58.5	48.7	72.7	51.6	58.5	48.8	72.8
8:47:30 PM	51.4	54.7	49.4	69.6	51.4	54.7	49.5	69.6
8:48:30 PM	60.9	65.9	53.5	82.9	60.9	65.9	53.5	82.9
8:49:30 PM	60.2	66.3	50.3	84.6	60.2	66.3	50.3	84.6
8:50:30 PM	51.6	53.4	50.2	70.3	51.6	53.4	50.3	70.3
8:51:30 PM	50.9	51.5	50.1	66.2	50.9	51.6	50.1	66.2
8:52:30 PM	58.5	67.6	50.6	79.5	58.5	67.6	50.6	79.5
8:53:30 PM	52.5	57.9	50.9	71.1	52.5	58	50.9	71.1
8:54:30 PM	61.5	67.5	52.3	84.9	61.5	67.6	52.3	84.9
8:55:30 PM	66.6	74.8	56.2	87.1	66.6	74.8	56.2	87.1
8:56:30 PM	55.1	62.8	48.6	76.8	55.1	62.8	48.6	76.8
8:57:30 PM	53.6	55.3	49.5	69.7	53.6	55.4	49.6	69.7
8:58:30 PM	51.8	58.6	48.8	72.4	51.8	58.6	48.9	72.4
8:59:30 PM	57.5	65.4	51.3	77.9	57.5	65.4	51.3	78
9:00:30 PM	51.6	53.5	50.8	70.3	51.7	53.5	50.8	70.2
9:01:30 PM	62.2	66.5	50.8	82.7	62.3	66.6	50.8	82.8
9:02:30 PM	62.1	66.3	52.4	82.1	62.1	66.3	52.4	82.1
9:03:30 PM	54.4	56.8	52.6	70.5	54.5	56.9	52.7	70.6
9:04:30 PM	64.3	70.6	52.7	86	64.3	70.6	52.7	86.1
9:05:30 PM	53.1	58	50.3	68.9	53.1	58	50.4	69
9:06:30 PM	61.2	66.2	54.8	89.5	61.2	66.3	54.9	89.5
9:07:30 PM	65.3	68.5	56.6	85.7	65.3	68.5	56.6	85.7
9:08:30 PM	62.3	68.8	51.7	81.9	62.3	68.8	51.8	82

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:09:30 PM	55	58.5	51.4	76.9	55	58.6	51.4	76.9
9:10:30 PM	62.3	66.8	51.5	82.4	62.4	66.9	51.6	82.4
9:11:30 PM	57.5	65.6	50.7	80.9	57.5	65.7	50.7	81
9:12:30 PM	56.7	60	51.6	78.6	56.7	60	51.6	78.6
9:13:30 PM	62.5	66.7	51.3	83.1	62.6	66.8	51.4	83.1
9:14:30 PM	68.1	77.6	52.9	94.3	68.1	77.6	53	94.4
9:15:30 PM	54.4	56	51.6	72.2	54.4	56.1	51.6	72.2
9:16:30 PM	59.8	68.6	51.1	83.7	59.9	68.7	51.1	83.7
9:17:30 PM	65.9	69.8	51.1	85.9	65.9	69.8	51.2	85.9
9:18:30 PM	52.4	56.9	51	74.2	52.5	56.9	51	74.2
9:19:30 PM	54.4	56	51.1	73	54.4	56	51.2	73
9:20:30 PM	60.1	70.6	51.2	84	60.1	70.7	51.3	84
9:21:30 PM	55.4	66	50.4	76.9	55.4	66	50.4	77
9:22:30 PM	67.9	70.7	53.9	86.6	67.9	70.8	54	86.6
9:23:30 PM	57.1	65.6	51.2	80.9	57.1	65.6	51.2	80.9
9:24:30 PM	54.9	64.1	50.8	77.6	54.9	64.1	50.8	77.6
9:25:30 PM	59.3	68.9	50.2	81.6	59.3	68.9	50.2	81.6
9:26:30 PM	60.5	69.8	51	86.7	60.5	69.8	51	86.7
9:27:30 PM	68	71.4	57.2	86.4	68.1	71.4	57.2	86.5
9:28:30 PM	55.9	59.4	52.9	75	55.9	59.4	53	75
9:29:30 PM	61.1	67.5	53	83.8	61.1	67.5	53	83.8
9:30:30 PM	57.2	64.8	52.9	83.5	57.2	64.8	52.9	83.5
9:31:30 PM	64.1	69.8	54.6	85.8	64.2	69.9	54.6	85.9
9:32:30 PM	65.5	70	51.3	86.3	65.5	70	51.3	86.3
9:33:30 PM	60.9	67.6	51.4	80.7	60.9	67.6	51.4	80.7
9:34:30 PM	57.3	64.3	54.1	79	57.4	64.4	54.1	79
9:35:30 PM	64.9	70.1	54.5	86.4	65	70.1	54.5	86.5
9:36:30 PM	66	70.2	52.5	86.3	66	70.2	52.5	86.4
9:37:30 PM	53.9	56.1	52.1	69.9	53.9	56.1	52.1	70
9:38:30 PM	57.9	63.4	54.8	79.5	57.9	63.4	54.8	79.5
9:39:30 PM	66.9	69.8	57.9	86.2	67	69.8	57.9	86.2
9:40:30 PM	57.1	59.9	54.5	75.8	57.1	59.9	54.5	75.8
9:41:30 PM	57	61.5	53.9	78.9	57	61.5	53.9	78.9
9:42:30 PM	57.2	61.4	53.9	77	57.2	61.4	54	77
9:43:30 PM	67.4	69.8	61	85.8	67.4	69.9	61	85.8
9:44:30 PM	59.9	65.8	54.7	83.5	59.9	65.8	54.8	83.5
9:45:30 PM	53.6	55.5	51.3	71.2	53.7	55.6	51.4	71.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:46:30 PM	65.3	68.5	54.4	84.9	65.3	68.5	54.4	84.9
9:47:30 PM	59.6	67.4	54.6	82	59.7	67.4	54.6	82.1
9:48:30 PM	63.7	67.6	53.6	84.4	63.8	67.6	53.6	84.4
9:49:30 PM	55.6	57.1	54.3	73.1	55.6	57.1	54.3	73
9:50:30 PM	61.1	68.4	54.9	85.7	61.2	68.5	55	85.7
9:51:30 PM	65.3	69.4	55.2	85.5	65.3	69.5	55.2	85.6
9:52:30 PM	58.9	61.6	54.9	79.4	58.9	61.7	55	79.4
9:53:30 PM	58.5	62.3	55	79	58.6	62.3	55	79.1
9:54:30 PM	60.4	67.3	54.4	80.2	60.4	67.3	54.5	80.3
9:55:30 PM	67.5	71.4	58.4	87.1	67.5	71.4	58.4	87.1
9:56:30 PM	65.1	69.8	53.4	86.1	65.1	69.8	53.4	86.1
9:57:30 PM	55.8	56.3	55.1	71.6	55.9	56.4	55.2	71.6
9:58:30 PM	55.2	57.1	53.5	73	55.2	57.1	53.5	73
9:59:30 PM	69	72.1	56.9	88	69.1	72.1	56.9	88.1
10:00:30 PM	61.6	67.9	53.3	86.9	61.6	67.9	53.3	86.9
10:01:30 PM	57.5	62.5	52.8	79.9	57.5	62.5	52.8	79.9
10:02:30 PM	65.5	71.5	57	86.7	65.5	71.5	57.1	86.7
10:03:30 PM	67.8	71.6	55.1	86.6	67.8	71.6	55.1	86.6
10:04:30 PM	63.2	72	54.5	86.1	63.3	72	54.5	86.2
10:05:30 PM	67	70.8	56.8	86.9	67	70.9	56.9	86.9
10:06:30 PM	65.6	68.7	62	84.5	65.6	68.7	62.1	84.5
10:07:30 PM	59.8	65	55.4	81.6	59.8	65.1	55.4	81.7
10:08:30 PM	62.3	71.7	56.3	86.2	62.3	71.7	56.3	86.2
10:09:30 PM	70	72.5	65.3	88.2	70	72.5	65.4	88.3
10:10:30 PM	62.7	68.2	56.4	85.2	62.7	68.2	56.4	85.2
10:11:30 PM	69	71.8	63.3	88.2	69	71.8	63.4	88.2
10:12:30 PM	67.2	70.2	60.9	88.9	67.2	70.2	60.9	89
10:13:30 PM	70.1	71.6	67.1	88.4	70.2	71.6	67.1	88.4
10:14:30 PM	68.2	70	64.9	88	68.2	70	64.9	88.1
10:15:30 PM	70.1	71.4	68.3	88	70.2	71.4	68.4	88
10:16:30 PM	70.7	78.2	68.1	94.1	70.7	78.2	68.1	94.2
10:17:30 PM	67.8	72.3	57.5	88.7	67.9	72.3	57.5	88.8
10:18:30 PM	58.8	65.7	56.4	84.6	58.8	65.7	56.4	84.6
10:19:30 PM	68.9	72.1	55.4	88.2	68.9	72.1	55.5	88.2
10:20:30 PM	65.8	71.1	53.6	88	65.8	71.1	53.6	88.1
10:21:30 PM	62.5	69	57.2	86.4	62.5	69	57.3	86.4
10:22:30 PM	69.3	71.6	58	88.8	69.4	71.6	58.1	88.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
10:23:30 PM	67.2	71.2	58.3	87	67.3	71.2	58.3	87
10:24:30 PM	67	71.2	57	87.1	67	71.2	57.1	87.1
10:25:30 PM	68.2	71.6	57.5	88	68.3	71.6	57.6	88
10:26:30 PM	69.4	71.5	57.7	88.7	69.4	71.5	57.8	88.8
10:27:30 PM	71.2	78.1	65.2	96.9	71.3	78.1	65.2	96.9
10:28:30 PM	69.1	70.8	63.9	87.4	69.1	70.8	63.9	87.4
10:29:30 PM	69.3	70.7	65.7	88.3	69.3	70.7	65.8	88.3
10:30:30 PM	69.6	70.8	67.6	88.4	69.7	70.8	67.6	88.5
10:31:30 PM	68.5	70.4	63.4	88	68.5	70.5	63.4	88
10:32:30 PM	68.2	69.4	65.9	87.3	68.2	69.4	65.9	87.3
10:33:30 PM	68.3	69.4	65.7	87.6	68.3	69.4	65.7	87.6
10:34:30 PM	69.2	70.8	67.3	87.3	69.2	70.9	67.4	87.3
10:35:30 PM	68.8	71.4	63.5	88.2	68.9	71.4	63.5	88.2
10:36:30 PM	68.1	70.3	63.4	87.5	68.1	70.3	63.4	87.5
10:37:30 PM	69	70.5	67	87.6	69	70.5	67	87.6
10:38:30 PM	69.5	71.1	67.6	87.6	69.6	71.1	67.7	87.6
10:39:30 PM	66.1	69.7	57.4	86.2	66.1	69.7	57.4	86.2
10:40:30 PM	69.3	70.4	67.1	87.8	69.3	70.5	67.2	87.8
10:41:30 PM	69.1	70.1	67.5	86.7	69.2	70.2	67.5	86.8
10:42:30 PM	69.2	70.1	67.6	87.4	69.2	70.1	67.6	87.4
10:43:30 PM	69.2	70.2	67	87.8	69.3	70.2	67	87.8
10:44:30 PM	69.3	70.3	68	88.1	69.4	70.4	68.1	88.1
10:45:30 PM	69.4	71	67.2	88.6	69.4	71	67.3	88.7
10:46:30 PM	69.8	72.1	68.2	87.7	69.9	72.1	68.2	87.8
10:47:30 PM	69.3	71.1	67.4	89	69.4	71.1	67.4	89
10:48:30 PM	69.5	70.7	67.9	88.2	69.6	70.7	67.9	88.2
10:49:30 PM	69.7	70.9	66.9	88.3	69.7	70.9	66.9	88.3
10:50:30 PM	69.6	70.9	67.8	89.1	69.7	70.9	67.9	89.1
10:51:30 PM	69.3	70.5	65.4	88.4	69.3	70.6	65.4	88.4
10:52:30 PM	68.9	70.5	64.7	87.6	69	70.6	64.8	87.6
10:53:30 PM	68.2	70.2	62.9	87.7	68.2	70.3	62.9	87.7
10:54:30 PM	68.8	70.7	63.1	87	68.9	70.7	63.2	87
10:55:30 PM	70	76	66.1	89.1	70	76	66.1	89.2
10:56:30 PM	68.2	70.2	62.8	89.5	68.2	70.2	62.8	89.5
10:57:30 PM	68.2	70.7	65.4	87.8	68.2	70.7	65.4	87.8
10:58:30 PM	68.7	71.4	64.4	88.1	68.8	71.4	64.4	88.1
10:59:30 PM	68.4	71.7	64.1	87.9	68.4	71.7	64.1	87.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
11:00:30 PM	68.5	70.7	65.1	87.8	68.5	70.7	65.1	87.9
11:01:30 PM	68.3	70.4	64.1	87.3	68.3	70.4	64.1	87.3
11:02:30 PM	67.9	69.9	65.5	87.2	67.9	70	65.5	87.3
11:03:30 PM	67.9	72	62.9	88.8	67.9	72	62.9	88.8
11:04:30 PM	67.4	70.4	61.7	86.8	67.4	70.4	61.8	86.8
11:05:30 PM	68.5	70.3	63.5	87.1	68.5	70.4	63.6	87.1
11:06:30 PM	67.6	69.7	62.6	86	67.6	69.7	62.7	86
11:07:30 PM	68.1	70.2	64.1	86.9	68.1	70.2	64.1	86.9
11:08:30 PM	68.5	70.2	66.2	87.9	68.5	70.3	66.2	87.9
11:09:30 PM	62.3	68	55.1	83	62.3	68.1	55.1	83.1
11:10:30 PM	69	73.4	64.6	87.4	69	73.4	64.6	87.4
11:11:30 PM	67.3	69.6	62.9	87.7	67.3	69.7	62.9	87.7
11:12:30 PM	66.9	70.4	62.6	87.6	66.9	70.4	62.6	87.6
11:13:30 PM	66.9	70	59.8	89.1	66.9	70	59.9	89.1
11:14:30 PM	66.3	70.1	57.5	87.1	66.3	70.1	57.5	87.1
11:15:30 PM	65.3	72.1	51.3	88.3	65.3	72.2	51.3	88.4
11:16:30 PM	65.1	70.9	53.2	86.7	65.2	70.9	53.2	86.7
11:17:30 PM	64.6	69.2	52.4	86	64.6	69.2	52.4	86
11:18:30 PM	62.2	68.4	54.3	86.5	62.2	68.4	54.3	86.6
11:19:30 PM	64.9	70.3	52.8	87.1	65	70.3	52.8	87.1
11:20:30 PM	61.2	67.2	51.4	83.8	61.2	67.2	51.5	83.8
11:21:30 PM	66.5	71.6	54	86.3	66.5	71.6	54	86.3
11:22:30 PM	55.4	61.9	51.9	89.8	55.4	61.9	51.9	89.8
11:23:30 PM	64.4	67.5	56.4	86.5	64.5	67.5	56.4	86.5
11:24:30 PM	63.6	67	52	83.9	63.6	67	52	83.9
11:25:30 PM	63.6	67.8	53.4	85.2	63.6	67.8	53.4	85.2
11:26:30 PM	62	67.3	51.3	84.2	62	67.3	51.4	84.2
11:27:30 PM	60.4	63.6	53.5	82.6	60.4	63.6	53.5	82.6
11:28:30 PM	54.9	60.6	52.3	78	54.9	60.6	52.3	78
11:29:30 PM	60.6	63.6	53.2	82.1	60.6	63.6	53.2	82.2
11:30:30 PM	58.7	62.8	54.3	82.3	58.8	62.8	54.3	82.3
11:31:30 PM	63.4	67.6	51.7	84.1	63.4	67.6	51.8	84.1
11:32:30 PM	54.4	60.4	51	79.9	54.4	60.4	51.1	79.9
11:33:30 PM	60.9	67.9	52.9	83.8	60.9	67.9	53	83.8
11:34:30 PM	63	70.2	53.1	84.7	63	70.2	53.1	84.7
11:35:30 PM	51.6	53.8	50.2	69.4	51.6	53.8	50.2	69.5
11:36:30 PM	59	66.8	50.9	83.2	59	66.9	50.9	83.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
11:37:30 PM	62.3	67.4	53	83.8	62.3	67.4	53	83.8
11:38:30 PM	59.5	68.5	51.1	82.1	59.6	68.5	51.2	82.1
11:39:30 PM	67	78.6	51.3	93.9	67	78.6	51.3	93.9
11:40:30 PM	52	53.8	51	69.3	52	53.8	51.1	69.4
11:41:30 PM	65.2	71	52.1	85.3	65.2	71.1	52.2	85.4
11:42:30 PM	59.9	64	52.4	81.6	59.9	64	52.4	81.6
11:43:30 PM	59.8	63.4	54.4	82.2	59.9	63.4	54.5	82.3
11:44:30 PM	62.7	67.1	51.7	84.2	62.7	67.1	51.7	84.2
11:45:30 PM	60.3	66.2	55.1	82.9	60.3	66.2	55.1	82.9
11:46:30 PM	67.9	76.7	57.6	98.1	68	76.7	57.6	98.1
11:47:30 PM	55.6	65.4	51.4	80.1	55.6	65.4	51.4	80.1
11:48:30 PM	52.2	55.5	50.8	70.2	52.2	55.5	50.9	70.3
11:49:30 PM	62.7	67	51.4	85.1	62.7	67.1	51.4	85.1
11:50:30 PM	58.3	67	53.2	82.4	58.3	67	53.2	82.5
11:51:30 PM	55.8	58.5	53.2	72.4	55.9	58.6	53.2	72.5
11:52:30 PM	57.2	61.7	52.8	79.8	57.2	61.7	52.8	79.8
11:53:30 PM	53.2	56.4	50.9	71.7	53.2	56.4	51	71.8
11:54:30 PM	59.1	63.1	51.5	82.5	59.2	63.1	51.5	82.6
11:55:30 PM	51.4	53	50.8	68.6	51.5	53	50.8	68.4
11:56:30 PM	52.7	54.1	51.1	69.8	52.7	54.1	51.1	69.7
11:57:30 PM	54.9	59.5	50.9	77.6	54.9	59.5	50.9	77.6
11:58:30 PM	61	64.7	51.2	82.1	61.1	64.8	51.2	82.1
11:59:30 PM	52.8	54.4	51.8	70.2	52.9	54.5	51.8	70.2
7/23/2021 12:00:30 AM	63.3	69.1	54.2	83.6	63.3	69.1	54.2	83.7
12:01:30 AM	59.3	72.9	54.8	91.6	59.3	72.9	54.9	91.6
12:02:30 AM	58.4	64.4	55.5	82.1	58.5	64.5	55.5	82.1
12:03:30 AM	60.9	65.5	56.5	82.2	61	65.6	56.5	82.2
12:04:30 AM	63.8	70.5	56.4	83.4	63.8	70.6	56.4	83.4
12:05:30 AM	59.2	65.7	56.4	82.8	59.2	65.7	56.4	82.8
12:06:30 AM	62.2	72	56.9	92.5	62.2	72	56.9	92.5
12:07:30 AM	61.7	73	54.6	92.3	61.7	73.1	54.6	92.3
12:08:30 AM	57.9	69.5	54.8	87.9	58	69.5	54.8	87.9
12:09:30 AM	57.5	62.1	55.6	79.9	57.5	62.1	55.6	79.9
12:10:30 AM	59.9	63.6	55.2	80.2	60	63.6	55.2	80.2
12:11:30 AM	54.3	55.4	53.6	72.5	54.3	55.5	53.7	72.6
12:12:30 AM	55	56.5	53.9	69.8	55	56.5	53.9	69.9
12:13:30 AM	55.7	56.4	55.1	72.2	55.7	56.4	55.1	72.2

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
12:14:30 AM	55.7	56.7	55	82	55.7	56.7	55	82
12:15:30 AM	55.7	57	54.5	71.3	55.7	57	54.5	71.4
12:16:30 AM	55.8	61.8	54.9	80.5	55.9	61.9	54.9	80.5
12:17:30 AM	59.5	63.7	55	80.7	59.5	63.7	55	80.7
12:18:30 AM	56.9	65	54.8	86.1	56.9	65	54.8	86.2
12:19:30 AM	56.8	63.8	53	75.9	56.8	63.8	53.1	75.9
12:20:30 AM	62.1	72.2	51.1	85.2	62.1	72.2	51.1	85.2
12:21:30 AM	69.5	75.4	58.5	90.7	69.5	75.4	58.5	90.8
12:22:30 AM	51.9	58.4	50.7	67.8	51.9	58.4	50.8	67.9
12:23:30 AM	53.3	60.8	50.4	73.7	53.3	60.8	50.4	73.7
12:24:30 AM	52	54.1	51	67.8	52	54.1	51.1	67.9
12:25:30 AM	51.3	53.1	50.4	67	51.4	53.1	50.4	67.1
12:26:30 AM	54.6	61.6	51	80	54.6	61.7	51	80
12:27:30 AM	55.7	62.7	50.9	79.8	55.7	62.7	50.9	79.8
12:28:30 AM	52.7	57.2	51	70.2	52.8	57.3	51	70.2
12:29:30 AM	50.9	51.9	49.8	66.4	50.9	51.9	49.9	66.4
12:30:30 AM	55.5	62.5	50	80.4	55.5	62.5	50	80.5
12:31:30 AM	57.3	63.6	50	79.9	57.4	63.6	50	79.9
12:32:30 AM	50.2	51.1	49.6	65	50.2	51.2	49.6	65
12:33:30 AM	51.7	53.2	49.6	67.2	51.7	53.2	49.6	67.2
12:34:30 AM	51.5	56.5	50.1	70.1	51.5	56.5	50.2	70.1
12:35:30 AM	50.7	52	50.3	65.2	50.8	52	50.3	65.2
12:36:30 AM	50.8	51.2	50	64.7	50.8	51.3	50	64.8
12:37:30 AM	52.7	54.6	51.1	68.9	52.8	54.7	51.1	69
12:38:30 AM	58	61.8	53.1	78.2	58	61.8	53.2	78.2
12:39:30 AM	52.8	56.1	51	72.9	52.8	56.1	51	72.9
12:40:30 AM	52.3	55	51	70.8	52.3	55	51	70.9
12:41:30 AM	52.7	58	50.7	76.5	52.7	58	50.8	76.4
12:42:30 AM	51.7	60.8	50.7	73.4	51.7	60.8	50.7	73.4
12:43:30 AM	60.2	68.7	51.1	81.5	60.2	68.7	51.1	81.5
12:44:30 AM	51.6	53.2	50.7	68.4	51.6	53.3	50.7	68.4
12:45:30 AM	51.1	53.7	50.3	68.3	51.1	53.8	50.4	68.2
12:46:30 AM	50.9	51.6	50.3	65.2	50.9	51.6	50.3	65.2
12:47:30 AM	51.2	53	50.3	67.1	51.2	53	50.3	67
12:48:30 AM	51	53.2	49.8	67.5	51	53.2	49.8	67.5
12:49:30 AM	51.3	52.7	50.5	69.1	51.3	52.7	50.5	69.2
12:50:30 AM	55.4	64.7	50.6	76.8	55.4	64.7	50.6	76.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
12:51:30 AM	53.4	61.4	50	73.6	53.5	61.5	50.1	73.7
12:52:30 AM	54.1	60.1	50.4	77.1	54.1	60.1	50.4	77.2
12:53:30 AM	51.5	52.3	50.8	67.3	51.6	52.4	50.9	67.2
12:54:30 AM	54.1	58.7	51.1	74.9	54.2	58.7	51.2	74.9
12:55:30 AM	53.4	54.5	51.9	68.4	53.4	54.6	52	68.4
12:56:30 AM	53.5	56.9	52.7	74.2	53.6	56.9	52.8	74.2
12:57:30 AM	53.8	56.8	52.7	74.1	53.8	56.8	52.8	74.1
12:58:30 AM	52.9	53.8	52.4	68.3	53	53.9	52.4	68.2
12:59:30 AM	56.1	65	52.9	77.1	56.1	65	53	77.1
1:00:30 AM	53.5	56.8	52.5	69.8	53.5	56.8	52.5	69.9
1:01:30 AM	53	53.8	52.3	67.3	53	53.8	52.3	67.3
1:02:30 AM	53.9	57.3	52.5	69.9	53.9	57.3	52.6	69.9
1:03:30 AM	53.3	53.7	52.6	67.7	53.3	53.8	52.6	67.8
1:04:30 AM	53.3	54.1	52.6	69.8	53.3	54.1	52.6	69.9
1:05:30 AM	53.4	57.5	52.9	71.9	53.5	57.6	52.9	71.9
1:06:30 AM	53.1	53.9	52.7	67.2	53.1	53.9	52.7	67.3
1:07:30 AM	53.2	54.6	52.7	67.9	53.2	54.6	52.7	67.9
1:08:30 AM	55.2	60.2	53	72.9	55.2	60.3	53	72.9
1:09:30 AM	53.4	54	53	68.9	53.4	54	53	69
1:10:30 AM	54.6	57.5	53.4	70.8	54.6	57.5	53.5	70.7
1:11:30 AM	54.4	57.6	53.1	70.3	54.5	57.7	53.1	70.3
1:12:30 AM	53.5	54	52.8	68.4	53.5	54	52.9	68.4
1:13:30 AM	53.7	54.3	53.1	68.6	53.7	54.3	53.1	68.7
1:14:30 AM	53.4	53.9	53	67.9	53.4	53.9	53	68
1:15:30 AM	53.4	54.1	53	67.5	53.4	54.1	53	67.6
1:16:30 AM	57.7	62.3	52.8	79.2	57.7	62.3	52.8	79.2
1:17:30 AM	53.2	55.6	52.6	69.6	53.3	55.7	52.6	69.6
1:18:30 AM	53.3	53.7	52.9	67.5	53.3	53.7	52.9	67.6
1:19:30 AM	56.7	65.2	52.7	77.6	56.8	65.2	52.8	77.6
1:20:30 AM	53.5	54.6	52.6	67.7	53.5	54.6	52.7	67.8
1:21:30 AM	53.3	54.2	52.6	67.4	53.4	54.2	52.6	67.5
1:22:30 AM	53.8	54.8	53	68.6	53.8	54.8	53	68.7
1:23:30 AM	54.8	58.6	53	71	54.9	58.6	53	71
1:24:30 AM	55.5	61.4	53.2	74.4	55.5	61.5	53.3	74.4
1:25:30 AM	54.2	56.1	53.5	68.5	54.2	56.1	53.5	68.5
1:26:30 AM	53.5	54.3	52.8	68.1	53.6	54.4	52.9	68.1
1:27:30 AM	53.5	53.9	52.9	67.5	53.5	54	52.9	67.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
1:28:30 AM	53.7	54.3	53.1	67.9	53.7	54.3	53.1	68
1:29:30 AM	53.8	56.7	52.9	69.6	53.9	56.8	52.9	69.6
1:30:30 AM	53.6	54.1	53.1	67.6	53.6	54.1	53.1	67.7
1:31:30 AM	53.8	54.5	52.9	67.8	53.8	54.5	52.9	67.8
1:32:30 AM	58.4	66.9	53.1	80.3	58.4	66.9	53.1	80.3
1:33:30 AM	53.1	53.7	52.7	67.6	53.1	53.7	52.7	67.7
1:34:30 AM	53.2	53.8	52.6	68	53.2	53.9	52.6	68
1:35:30 AM	53.5	54.5	52.5	68.5	53.5	54.5	52.6	68.5
1:36:30 AM	53.6	55.7	52.8	69.1	53.6	55.7	52.8	69
1:37:30 AM	53.3	54.6	52.9	67.9	53.4	54.6	52.9	68
1:38:30 AM	54.6	59.3	52.8	71.8	54.6	59.3	52.8	71.8
1:39:30 AM	53.5	54	52.8	67.5	53.5	54	52.8	67.6
1:40:30 AM	56.4	62	53.2	75.9	56.4	62	53.2	76
1:41:30 AM	53.3	57.5	52.6	71.1	53.3	57.5	52.6	71.1
1:42:30 AM	54.3	57.8	52.9	70.6	54.3	57.8	52.9	70.7
1:43:30 AM	53.5	55.4	52.5	69.2	53.6	55.4	52.5	69.2
1:44:30 AM	56.5	61.8	52.3	77.8	56.5	61.9	52.4	77.8
1:45:30 AM	54.7	60.5	52.3	77.7	54.7	60.5	52.3	77.6
1:46:30 AM	53.8	54.8	53.1	68.8	53.8	54.8	53.1	68.8
1:47:30 AM	53.3	53.7	52.8	67.4	53.3	53.7	52.8	67.5
1:48:30 AM	53.3	53.7	52.9	67.6	53.4	53.8	52.9	67.7
1:49:30 AM	53.9	56.4	53.1	68.7	53.9	56.5	53.1	68.6
1:50:30 AM	53.4	55.2	53	68.9	53.5	55.3	53	69
1:51:30 AM	53.1	53.7	52.5	67.9	53.2	53.7	52.6	67.9
1:52:30 AM	53.3	53.8	52.9	67.4	53.3	53.8	52.9	67.4
1:53:30 AM	54	60	52.9	73.8	54	60	52.9	73.8
1:54:30 AM	54.1	60	52.7	72.7	54.1	60	52.7	72.6
1:55:30 AM	54.9	61.8	52.4	75.2	54.9	61.8	52.4	75.2
1:56:30 AM	53.6	54.1	53	67.7	53.6	54.1	53.1	67.8
1:57:30 AM	53.2	53.9	52.8	67.4	53.2	53.9	52.8	67.4
1:58:30 AM	55.8	64.2	52.4	76.8	55.8	64.3	52.4	76.8
1:59:30 AM	52.8	53.2	52.4	67.6	52.8	53.2	52.4	67.7
2:00:30 AM	53.2	53.7	52.7	67.7	53.2	53.7	52.7	67.6
2:01:30 AM	53.3	53.9	52.8	67.4	53.3	53.9	52.8	67.5
2:02:30 AM	53.3	54.4	52.7	68.1	53.3	54.4	52.7	68
2:03:30 AM	53.9	56.3	52.8	70.9	53.9	56.4	52.8	70.9
2:04:30 AM	53	53.6	52.5	67.5	53	53.6	52.5	67.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
2:05:30 AM	53	53.7	52.6	68.7	53	53.7	52.6	68.6
2:06:30 AM	54.6	58.9	52.3	75.5	54.6	59	52.4	75.5
2:07:30 AM	53.3	54.8	52.5	68.5	53.3	54.8	52.5	68.5
2:08:30 AM	53	53.3	52.5	67.2	53	53.4	52.5	67.2
2:09:30 AM	53.2	53.7	52.7	67.3	53.3	53.7	52.7	67.4
2:10:30 AM	52.9	53.8	52.4	67.6	52.9	53.8	52.4	67.8
2:11:30 AM	53.4	54.1	52.8	67.3	53.5	54.1	52.8	67.3
2:12:30 AM	53.3	53.7	52.8	68.1	53.3	53.8	52.8	68.2
2:13:30 AM	53.3	54.4	52.7	68.4	53.3	54.4	52.8	68.5
2:14:30 AM	53.1	53.8	52.7	67.4	53.2	53.8	52.8	67.4
2:15:30 AM	53.5	54.1	52.7	69.2	53.6	54.1	52.8	69.2
2:16:30 AM	53.3	53.8	52.7	68.6	53.3	53.8	52.7	68.5
2:17:30 AM	53.2	53.6	52.6	67.6	53.2	53.7	52.6	67.6
2:18:30 AM	54.1	55.1	52.9	68.7	54.1	55.2	52.9	68.6
2:19:30 AM	53.2	54	52.8	68.8	53.3	54	52.8	68.9
2:20:30 AM	53.1	53.4	52.7	67.9	53.1	53.4	52.8	68
2:21:30 AM	53.4	55.3	52.6	68.6	53.5	55.4	52.7	68.6
2:22:30 AM	53.9	57.4	52.8	70.2	53.9	57.5	52.8	70.3
2:23:30 AM	53.1	53.7	52.6	68.1	53.2	53.8	52.7	68.1
2:24:30 AM	53.3	53.9	52.9	68.2	53.4	54	53	68.3
2:25:30 AM	54.8	57.3	53	71.1	54.8	57.3	53.1	71.1
2:26:30 AM	53.8	55.1	53	68.2	53.8	55.2	53.1	68.2
2:27:30 AM	55.3	60	53.1	79.4	55.3	60	53.2	79.4
2:28:30 AM	53.1	53.9	52.6	67.6	53.2	53.9	52.6	67.5
2:29:30 AM	53.9	56.7	52.5	69.5	53.9	56.7	52.5	69.6
2:30:30 AM	53.6	55.1	52.5	68	53.6	55.1	52.6	68
2:31:30 AM	54.4	57.4	52.5	73.5	54.5	57.4	52.6	73.6
2:32:30 AM	55.8	65.3	53	78.7	55.9	65.3	53	78.7
2:33:30 AM	64	72	54.5	95.8	64	72	54.5	95.8
2:34:30 AM	57.7	63.5	53.8	75.9	57.8	63.5	53.9	76
2:35:30 AM	57.4	61.5	56.6	79.4	57.4	61.5	56.6	79.4
2:36:30 AM	56.3	57.4	55.6	71.5	56.3	57.4	55.7	71.6
2:37:30 AM	57.7	60.2	56.3	79.4	57.7	60.2	56.3	79.4
2:38:30 AM	56.9	58	56.4	70.6	56.9	58	56.4	70.5
2:39:30 AM	57.3	58.9	56.5	77.2	57.3	58.9	56.5	77.2
2:40:30 AM	57	58.4	56.4	72.6	57.1	58.4	56.4	72.6
2:41:30 AM	59.7	70.1	56.4	82.5	59.7	70.1	56.5	82.5

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
2:42:30 AM	72.4	79.4	56.9	92.8	72.4	79.4	56.9	92.8
2:43:30 AM	56.6	59.4	54.8	73.5	56.6	59.4	54.9	73.5
2:44:30 AM	53.8	55.5	52.6	71.5	53.8	55.5	52.7	71.5
2:45:30 AM	53.4	57	53	73.2	53.5	57.1	53	73.2
2:46:30 AM	55.8	64.5	52.8	80.6	55.8	64.5	52.8	80.6
2:47:30 AM	66.6	71.8	56.5	89	66.6	71.8	56.5	89
2:48:30 AM	55.9	60	54.3	73.3	55.9	60.1	54.3	73.3
2:49:30 AM	62.2	66.9	55.4	81.2	62.2	66.9	55.5	81.2
2:50:30 AM	55.3	59.8	53.2	73.6	55.3	59.8	53.2	73.6
2:51:30 AM	54	54.5	53.6	68.9	54.1	54.5	53.6	68.9
2:52:30 AM	53.7	54.6	53.2	68	53.7	54.6	53.2	68.1
2:53:30 AM	58.1	68.1	53.6	82.8	58.1	68.1	53.6	82.9
2:54:30 AM	68.2	77.1	55.6	93	68.2	77.2	55.6	93
2:55:30 AM	63.1	71.2	54.8	90.4	63.1	71.2	54.8	90.4
2:56:30 AM	61.9	70.6	55.9	85.4	61.9	70.6	55.9	85.5
2:57:30 AM	58.2	59.8	56.6	88.2	58.2	59.8	56.6	88.2
2:58:30 AM	64.2	78.4	56	97	64.2	78.4	56	97
2:59:30 AM	60	67.2	58.7	87.8	60	67.3	58.8	87.8
3:00:30 AM	62.3	76.1	58.4	96.4	62.4	76.1	58.4	96.4
3:01:30 AM	55.8	63	52.9	73	55.8	63	52.9	73.1
3:02:30 AM	58.7	66.5	53	83.3	58.7	66.5	53	83.4
3:03:30 AM	59.7	62.4	58.3	79.1	59.7	62.5	58.3	79.1
3:04:30 AM	64.4	73.3	58.8	95.1	64.4	73.3	58.9	95.1
3:05:30 AM	61.8	67	60.8	89.5	61.8	67	60.8	89.6
3:06:30 AM	61.3	65.3	57	85.3	61.4	65.3	57	85.3
3:07:30 AM	59.5	65.6	57	83.2	59.5	65.7	57	83.2
3:08:30 AM	57.7	58.4	57.1	73.2	57.7	58.4	57.1	73.3
3:09:30 AM	57.3	58.3	56.9	72	57.3	58.3	57	71.9
3:10:30 AM	57.8	59.9	57.1	73.1	57.8	59.9	57.1	73.1
3:11:30 AM	59.2	62.8	55.9	75.7	59.2	62.9	55.9	75.8
3:12:30 AM	67.1	72.8	57	89.5	67.1	72.8	57	89.5
3:13:30 AM	66.9	72.6	57	91.5	66.9	72.7	57.1	91.6
3:14:30 AM	67.1	75.5	64.3	93.6	67.1	75.6	64.4	93.7
3:15:30 AM	64.8	65.1	64.5	79.5	64.8	65.2	64.5	79.5
3:16:30 AM	68.3	73.6	64.5	92.5	68.4	73.6	64.5	92.5
3:17:30 AM	58.7	69	53.2	84.1	58.8	69	53.2	84.1
3:18:30 AM	53.7	57.3	52.7	70.8	53.7	57.4	52.7	70.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:19:30 AM	53.1	53.7	52.7	67.8	53.2	53.8	52.7	67.8
3:20:30 AM	53.2	53.6	52.5	68.1	53.2	53.7	52.5	68
3:21:30 AM	53.2	56.1	52.6	68.8	53.2	56.1	52.7	68.8
3:22:30 AM	53.6	55.9	52.7	69.1	53.6	55.9	52.8	69.1
3:23:30 AM	53.2	53.6	52.5	67	53.2	53.6	52.5	67.1
3:24:30 AM	53.5	54	53	68.4	53.5	54	53	68.5
3:25:30 AM	53.4	53.8	53	67.4	53.4	53.9	53	67.4
3:26:30 AM	54.2	57.6	53	74.4	54.2	57.6	53	74.4
3:27:30 AM	56.8	62.6	52.8	75	56.8	62.7	52.9	75
3:28:30 AM	67.4	75.3	54.4	93.9	67.4	75.3	54.4	94
3:29:30 AM	53.6	54.6	53	68.7	53.6	54.7	53	68.8
3:30:30 AM	53.7	54.2	53.1	68.7	53.7	54.2	53.1	68.7
3:31:30 AM	53.1	53.6	52.7	67.9	53.2	53.6	52.7	67.9
3:32:30 AM	54.2	55.3	53.1	71.7	54.2	55.4	53.1	71.7
3:33:30 AM	56.4	61	53.5	75	56.4	61	53.5	75
3:34:30 AM	54	57	53	69.7	54	57	53.1	69.7
3:35:30 AM	54.3	57.2	52.6	71.1	54.3	57.2	52.6	71
3:36:30 AM	55.7	59	53.3	72.4	55.8	59	53.3	72.3
3:37:30 AM	54.8	57.1	53.8	71.3	54.8	57.1	53.9	71.2
3:38:30 AM	56.4	60.1	53.7	76	56.4	60.2	53.7	76
3:39:30 AM	55.9	59.7	52.9	78.3	55.9	59.7	52.9	78.3
3:40:30 AM	60.6	69.1	53.3	80.9	60.6	69.2	53.4	80.9
3:41:30 AM	54.3	57.6	52.4	71.4	54.3	57.6	52.4	71.5
3:42:30 AM	53.9	55.2	53	70.6	53.9	55.2	53.1	70.6
3:43:30 AM	54.3	56.1	53	70.9	54.3	56.1	53.1	70.8
3:44:30 AM	55.8	59	54.1	77.6	55.8	59.1	54.1	77.7
3:45:30 AM	55.7	61.5	53.1	73.3	55.7	61.6	53.1	73.4
3:46:30 AM	55.7	62.9	52.5	76.8	55.8	62.9	52.6	76.8
3:47:30 AM	54.9	56.3	53.1	72.7	54.9	56.4	53.1	72.7
3:48:30 AM	55.6	64.8	52.5	76.9	55.7	64.8	52.5	76.9
3:49:30 AM	54	55.4	52.8	70.5	54	55.4	52.8	70.5
3:50:30 AM	53.3	54.4	52.4	70.3	53.4	54.5	52.5	70.4
3:51:30 AM	53.6	54.6	52.8	70.5	53.7	54.6	52.8	70.6
3:52:30 AM	56.8	63.9	53.2	76.5	56.9	63.9	53.3	76.5
3:53:30 AM	54.5	56.1	53.3	71	54.5	56.1	53.3	71
3:54:30 AM	53.7	55.7	52.9	71.2	53.7	55.7	52.9	71.2
3:55:30 AM	54.2	55.4	53.4	71	54.2	55.5	53.4	71.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
3:56:30 AM	54.6	56.4	53.5	71.1	54.7	56.4	53.6	71.1
3:57:30 AM	54.1	55.1	53.2	71.2	54.1	55.2	53.2	71.3
3:58:30 AM	54.6	57.5	52.7	75.2	54.6	57.5	52.7	75.2
3:59:30 AM	54.5	56.4	53.5	70.4	54.5	56.4	53.5	70.4
4:00:30 AM	54.6	55.8	53.5	72.4	54.6	55.8	53.5	72.5
4:01:30 AM	53.6	54.4	52.9	68.9	53.6	54.4	53	68.9
4:02:30 AM	54	56.9	53.1	70.5	54	56.9	53.1	70.6
4:03:30 AM	53.7	54.9	53.3	69.7	53.7	54.9	53.3	69.7
4:04:30 AM	56	58.6	53.2	74.1	56	58.6	53.2	74.1
4:05:30 AM	56.9	65.2	53.4	76.4	56.9	65.3	53.4	76.4
4:06:30 AM	54.7	58.4	53.5	87.3	54.7	58.5	53.5	87.3
4:07:30 AM	54.9	56.8	53.6	72.6	54.9	56.8	53.6	72.7
4:08:30 AM	53.7	55	52.7	71.4	53.7	55	52.7	71.3
4:09:30 AM	53.4	55	52.7	70.9	53.4	55	52.7	70.9
4:10:30 AM	53.8	55.1	52.8	70.1	53.8	55.1	52.9	70.1
4:11:30 AM	53.8	55	53	72	53.8	55.1	53	72
4:12:30 AM	56.9	60	54.5	77.5	57	60	54.6	77.5
4:13:30 AM	56.5	63.4	53.8	79.2	56.5	63.4	53.8	79.3
4:14:30 AM	55.6	58.8	53.6	74.6	55.6	58.8	53.7	74.6
4:15:30 AM	56.7	59.4	53.9	75	56.8	59.4	53.9	75
4:16:30 AM	58.6	64.2	53.9	77.8	58.6	64.2	53.9	77.8
4:17:30 AM	60.5	65.1	57	84.2	60.5	65.1	57	84.3
4:18:30 AM	59.4	68.2	57.2	87.4	59.4	68.2	57.2	87.5
4:19:30 AM	57.2	59.9	56.6	79.9	57.2	59.9	56.6	79.9
4:20:30 AM	57.3	58.1	56.4	73.6	57.3	58.1	56.5	73.6
4:21:30 AM	56.7	59.9	55.2	79.3	56.7	59.9	55.3	79.3
4:22:30 AM	58.4	62.4	55.7	80.5	58.4	62.5	55.7	80.5
4:23:30 AM	59.1	63.5	55.2	76.7	59.2	63.6	55.2	76.7
4:24:30 AM	59.6	64.3	54.9	76.6	59.6	64.3	54.9	76.6
4:25:30 AM	69	75.6	58.1	92.8	69	75.6	58.1	92.8
4:26:30 AM	62.3	68.1	57.6	79.9	62.3	68.1	57.6	79.9
4:27:30 AM	68.2	77	58.7	99.3	68.3	77	58.7	99.3
4:28:30 AM	59.7	62.7	58.4	80.7	59.8	62.8	58.4	80.7
4:29:30 AM	65.3	76.7	59	96	65.3	76.7	59	96
4:30:30 AM	60.2	63.8	59.4	79.3	60.2	63.8	59.4	79.3
4:31:30 AM	67.9	75.2	60.3	93.4	67.9	75.3	60.4	93.4
4:32:30 AM	60.9	64.6	59.6	88.8	60.9	64.6	59.6	88.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
4:33:30 AM	61.9	72.4	59.1	90.2	62	72.4	59.1	90.2
4:34:30 AM	60.4	65.2	57.5	79.6	60.4	65.2	57.6	79.7
4:35:30 AM	62.4	72.8	59.4	93.3	62.5	72.8	59.5	93.3
4:36:30 AM	61.2	66.3	59	79	61.2	66.3	59	79.1
4:37:30 AM	59.5	60.9	59.2	79.5	59.6	60.9	59.2	79.5
4:38:30 AM	59.5	61.7	58.9	75.6	59.5	61.8	58.9	75.6
4:39:30 AM	59.3	59.8	59.1	74	59.3	59.9	59.1	74
4:40:30 AM	60	64.1	59.2	82.7	60	64.1	59.3	82.7
4:41:30 AM	60.9	64.5	59.2	77.6	60.9	64.5	59.2	77.6
4:42:30 AM	61.6	69.6	57.4	86.3	61.7	69.6	57.4	86.3
4:43:30 AM	54.1	57.4	53.4	68.9	54.1	57.4	53.4	68.9
4:44:30 AM	53.6	54	53.2	68	53.7	54.1	53.2	67.9
4:45:30 AM	55.1	58.4	53.6	73.4	55.1	58.4	53.7	73.4
4:46:30 AM	57.1	60.4	53.8	76.2	57.2	60.4	53.9	76.3
4:47:30 AM	54	55.5	53.4	68.7	54	55.6	53.5	68.7
4:48:30 AM	54.7	58.4	53.5	71	54.8	58.4	53.6	71.1
4:49:30 AM	65.5	71.4	54.7	91.2	65.5	71.4	54.7	91.2
4:50:30 AM	58.8	64.6	55.2	77.9	58.8	64.6	55.2	77.9
4:51:30 AM	57.9	60.4	56	76.7	57.9	60.4	56	76.8
4:52:30 AM	68.7	83	57	102.9	68.7	83	57	102.9
4:53:30 AM	59.8	60.9	59.2	75.4	59.9	60.9	59.2	75.4
4:54:30 AM	59.9	67.1	58.4	87.1	60	67.1	58.4	87.2
4:55:30 AM	61.3	72.8	57.7	96.6	61.3	72.8	57.8	96.6
4:56:30 AM	67.7	74.5	54.6	87.6	67.7	74.5	54.6	87.6
4:57:30 AM	54.4	55.4	53.7	68.5	54.4	55.4	53.7	68.5
4:58:30 AM	58.2	66.6	53.9	78.8	58.2	66.6	54	78.8
4:59:30 AM	53.9	54.6	53.4	68.2	53.9	54.6	53.4	68.2
5:00:30 AM	54.2	57.1	53.2	69.7	54.2	57.1	53.3	69.8
5:01:30 AM	54.1	55.8	53.5	68.5	54.1	55.9	53.5	68.5
5:02:30 AM	53.6	54.1	53.3	67.7	53.7	54.1	53.3	67.6
5:03:30 AM	63.9	70	53.8	88	63.9	70.1	53.8	88.1
5:04:30 AM	70.4	78.1	59.4	95.2	70.4	78.1	59.5	95.2
5:05:30 AM	56.1	62.1	53.7	79.4	56.2	62.2	53.7	79.4
5:06:30 AM	60.3	65.3	53.8	80.4	60.3	65.4	53.8	80.5
5:07:30 AM	60.6	65.3	55.1	78.9	60.7	65.4	55.1	79
5:08:30 AM	54.5	56.8	53.7	69.3	54.5	56.8	53.8	69.3
5:09:30 AM	67.6	74.5	54.1	87.8	67.6	74.5	54.1	87.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
5:10:30 AM	54.9	59.1	53.1	72.4	55	59.2	53.2	72.5
5:11:30 AM	54.5	56.5	53.3	70.3	54.5	56.5	53.3	70.3
5:12:30 AM	54.7	57.1	53.5	69.7	54.7	57.1	53.5	69.7
5:13:30 AM	58.6	67.1	53.6	80.9	58.6	67.2	53.6	80.9
5:14:30 AM	56.6	62.4	53.8	78.1	56.6	62.4	53.8	78.1
5:15:30 AM	55	58.1	53.8	70.8	55	58.1	53.8	70.9
5:16:30 AM	54	55.5	53.3	69.4	54	55.6	53.3	69.2
5:17:30 AM	55.6	60.6	53.8	74.1	55.6	60.6	53.9	74.1
5:18:30 AM	68.7	76.9	56	93.8	68.7	76.9	56	93.8
5:19:30 AM	65.3	76.8	53.9	88.4	65.3	76.8	54	88.4
5:20:30 AM	54.5	57.5	53.5	70.6	54.5	57.5	53.6	70.7
5:21:30 AM	55.1	56.8	53.8	69.2	55.1	56.9	53.8	69.2
5:22:30 AM	56.1	61.5	53.7	74.4	56.1	61.6	53.7	74.5
5:23:30 AM	57.6	62.9	54.2	74.8	57.6	62.9	54.3	74.9
5:24:30 AM	54.5	56.9	53.8	70	54.5	56.9	53.8	70
5:25:30 AM	55	58.1	53.9	71	55	58.1	53.9	71
5:26:30 AM	54.4	55.1	53.8	69	54.4	55.2	53.8	69
5:27:30 AM	54.4	55.5	53.9	69.1	54.5	55.6	53.9	69.2
5:28:30 AM	56.4	61	54.3	78	56.5	61	54.4	78.1
5:29:30 AM	55.4	59.6	54	72.7	55.4	59.6	54	72.7
5:30:30 AM	54.8	55.6	53.8	70.1	54.8	55.6	53.8	70.2
5:31:30 AM	55.1	56.5	54.2	69.8	55.1	56.5	54.2	69.8
5:32:30 AM	54.9	55.5	54.6	69.5	54.9	55.6	54.6	69.5
5:33:30 AM	54.9	55.9	54.5	68.9	55	55.9	54.5	69
5:34:30 AM	55.7	58.7	54.5	71.6	55.7	58.7	54.6	71.6
5:35:30 AM	55.6	59.6	54.9	72.5	55.6	59.7	54.9	72.5
5:36:30 AM	54.8	56.8	54.1	70	54.8	56.8	54.1	70
5:37:30 AM	54.7	55.6	54	68.7	54.7	55.6	54	68.8
5:38:30 AM	55	55.5	54.6	69.1	55.1	55.5	54.7	69.2
5:39:30 AM	54.9	55.3	54.4	68.9	54.9	55.3	54.5	68.9
5:40:30 AM	55	57.9	54.3	71.8	55.1	58	54.3	71.7
5:41:30 AM	70.1	80.9	55.3	101.3	70.2	80.9	55.3	101.3
5:42:30 AM	60.8	66.3	54.5	79.1	60.8	66.3	54.5	79.2
5:43:30 AM	55.6	58.4	53.9	71.8	55.6	58.4	53.9	71.8
5:44:30 AM	56.4	59.9	53.9	73.1	56.4	59.9	54	73.1
5:45:30 AM	60.8	69.6	54	83.5	60.8	69.6	54.1	83.5
5:46:30 AM	67	78.1	54.8	97.8	67	78.1	54.8	97.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
5:47:30 AM	59.1	63.9	54	77.9	59.1	63.9	54.1	77.9
5:48:30 AM	73.9	89.2	56	111.6	73.9	89.2	56	111.7
5:49:30 AM	55.7	59.4	54.3	82.8	55.7	59.4	54.3	82.8
5:50:30 AM	56.1	58.5	54.3	73.8	56.2	58.5	54.3	73.7
5:51:30 AM	54.7	56.4	54	69.4	54.7	56.4	54.1	69.4
5:52:30 AM	57.4	60.6	54.5	73.2	57.4	60.6	54.5	73.2
5:53:30 AM	56.1	59.2	54.3	70.9	56.1	59.2	54.3	71
5:54:30 AM	55	57.6	54.4	70.5	55	57.7	54.4	70.6
5:55:30 AM	59.4	65.1	54.3	77.5	59.4	65.2	54.3	77.5
5:56:30 AM	55.7	58.1	54.5	70.5	55.8	58.1	54.5	70.5
5:57:30 AM	63.5	71.5	56.1	86.8	63.5	71.5	56.1	86.8
5:58:30 AM	62.4	68.6	54.4	89.1	62.5	68.6	54.4	89.1
5:59:30 AM	56.1	59	54.4	73.6	56.1	59.1	54.4	73.5
6:00:30 AM	56.7	60.1	54.7	75.4	56.7	60.1	54.8	75.4
6:01:30 AM	55.4	57.2	54.3	73	55.5	57.2	54.4	73
6:02:30 AM	59.4	66.6	55.1	78.8	59.4	66.7	55.1	78.8
6:03:30 AM	73.9	85.1	62.1	106.3	74	85.1	62.1	106.4
6:04:30 AM	73.4	83.9	57.7	103.1	73.4	84	57.7	103.2
6:05:30 AM	67.9	77.2	54.3	90.5	67.9	77.2	54.4	90.5
6:06:30 AM	55.6	60.7	54	73.6	55.7	60.8	54.1	73.6
6:07:30 AM	56.4	61.6	54.3	74.9	56.4	61.6	54.3	74.9
6:08:30 AM	55.2	57	54.5	73.2	55.2	57	54.5	73.2
6:09:30 AM	55.8	59.9	54.5	72.9	55.8	59.9	54.5	72.9
6:10:30 AM	55.5	60	54.6	72.1	55.6	60.1	54.6	72.2
6:11:30 AM	56.5	61.6	54.7	76.8	56.5	61.7	54.8	76.8
6:12:30 AM	57.4	65.1	55.4	76.1	57.4	65.1	55.4	76.1
6:13:30 AM	56.5	59.8	55.6	77.9	56.5	59.8	55.6	78
6:14:30 AM	56.4	58.5	55.7	74.6	56.4	58.5	55.7	74.6
6:15:30 AM	58.8	65.8	55.8	83.1	58.8	65.9	55.8	83.2
6:16:30 AM	63.1	71.6	55.8	85.3	63.2	71.6	55.8	85.3
6:17:30 AM	69.5	81.2	57.1	102.4	69.5	81.3	57.1	102.4
6:18:30 AM	69.3	77.1	57	96.4	69.3	77.2	57	96.4
6:19:30 AM	56.9	57.3	56.6	72.1	57	57.4	56.6	72.1
6:20:30 AM	57	58.4	56.3	71	57	58.4	56.3	71
6:21:30 AM	62.3	66.1	57.4	79.1	62.3	66.2	57.4	79.2
6:22:30 AM	58.6	64.1	56.1	76.8	58.6	64.2	56.1	76.9
6:23:30 AM	56.1	59.6	55.2	72.6	56.2	59.6	55.3	72.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
6:24:30 AM	56.6	61.1	55.4	74	56.6	61.2	55.4	74
6:25:30 AM	57.1	61.1	55.6	74.9	57.1	61.2	55.7	75
6:26:30 AM	58	61.8	55.5	76.3	58	61.8	55.5	76.3
6:27:30 AM	71.5	81.6	56.9	94.9	71.5	81.6	57	94.9
6:28:30 AM	71.4	78.2	65.7	95.3	71.4	78.2	65.7	95.3
6:29:30 AM	63.5	72.4	57.9	92.7	63.5	72.4	57.9	92.7
6:30:30 AM	60.8	65.9	57.3	85.7	60.9	65.9	57.3	85.7
6:31:30 AM	61.8	67.3	58	84.7	61.9	67.4	58	84.7
6:32:30 AM	60.7	63.8	58.6	79.3	60.8	63.9	58.6	79.3
6:33:30 AM	60.3	63.9	57.8	77.1	60.3	63.9	57.8	77.1
6:34:30 AM	60.2	62.5	58	76	60.2	62.5	58	76
6:35:30 AM	62	68	56.6	80.6	62	68	56.6	80.6
6:36:30 AM	60.7	63.1	56.7	76	60.7	63.1	56.7	76
6:37:30 AM	71.6	85.2	58	102.6	71.6	85.2	58	102.6
6:38:30 AM	65.5	78.9	59.6	88.7	65.6	78.9	59.6	88.7
6:39:30 AM	63.9	70.1	59.4	84.1	64	70.1	59.5	84.1
6:40:30 AM	62.1	67.3	60.4	80.3	62.1	67.4	60.5	80.3
6:41:30 AM	75.4	84.4	60.5	105.1	75.5	84.4	60.5	105.1
6:42:30 AM	65.2	73.9	59.2	88	65.2	73.9	59.3	88
6:43:30 AM	60.1	62.2	59.1	78.9	60.1	62.2	59.1	78.9
6:44:30 AM	69.7	79.8	61.8	93.9	69.8	79.8	61.8	93.9
6:45:30 AM	68.4	79.7	58.6	94.1	68.4	79.7	58.7	94.1
6:46:30 AM	73.5	82.5	60.8	101.6	73.6	82.5	60.8	101.6
6:47:30 AM	70.8	77.6	58.5	89.6	70.8	77.7	58.5	89.6
6:48:30 AM	72.5	81.7	59.4	99.7	72.5	81.7	59.4	99.7
6:49:30 AM	62.2	68.7	55	81.3	62.2	68.7	55	81.3
6:50:30 AM	56.3	59.6	54.8	75.5	56.3	59.6	54.9	75.5
6:51:30 AM	58.9	65.9	55.1	81.5	59	65.9	55.2	81.5
6:52:30 AM	59.3	64.5	54.8	80.1	59.4	64.5	54.9	80.1
6:53:30 AM	60.1	65.1	56	77.4	60.2	65.2	56	77.5
6:54:30 AM	69.2	77.2	59.6	97.4	69.2	77.2	59.6	97.4
6:55:30 AM	62.8	68.7	56.1	81.3	62.9	68.8	56.1	81.3
6:56:30 AM	58	63.6	55.6	80.4	58	63.7	55.6	80.4
6:57:30 AM	63.7	69.1	56	84.4	63.8	69.2	56	84.4
6:58:30 AM	62	70.4	56.3	83.2	62	70.4	56.3	83.3
6:59:30 AM	74.9	81.4	59.1	100.7	75	81.5	59.2	100.7
7:00:30 AM	64.4	73.2	56.1	87.6	64.5	73.3	56.1	87.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7:01:30 AM	57.3	60.4	55.5	73	57.3	60.4	55.6	73
7:02:30 AM	58.6	64.3	55.8	82.9	58.6	64.4	55.9	83
7:03:30 AM	62.7	72.6	57.8	87.4	62.7	72.6	57.8	87.4
7:04:30 AM	63.4	66.2	60.5	78.9	63.4	66.3	60.5	79
7:05:30 AM	62.8	65.2	62.1	77.8	62.8	65.2	62.1	77.8
7:06:30 AM	63.9	66.9	62.2	79.2	63.9	66.9	62.2	79.2
7:07:30 AM	67.1	73.1	62.6	88.2	67.1	73.1	62.6	88.2
7:08:30 AM	63.2	67.7	62.2	80.4	63.2	67.7	62.2	80.4
7:09:30 AM	69.9	77.4	62.6	95.7	69.9	77.5	62.6	95.7
7:10:30 AM	62.9	66.3	62	84.4	62.9	66.3	62.1	84.5
7:11:30 AM	63.7	68.9	62.2	81.5	63.8	68.9	62.2	81.5
7:12:30 AM	62.6	65.4	61.8	79.7	62.6	65.4	61.9	79.7
7:13:30 AM	63.1	66.5	62	79.8	63.1	66.5	62.1	79.8
7:14:30 AM	59.7	63.1	56.1	76.7	59.7	63.1	56.2	76.7
7:15:30 AM	58.4	62.8	55.8	75.8	58.4	62.8	55.8	75.9
7:16:30 AM	58.7	61	56	74.9	58.7	61.1	56	75
7:17:30 AM	64.7	74.7	55.8	94.1	64.7	74.7	55.8	94.1
7:18:30 AM	57.2	61.3	54.5	73.4	57.2	61.3	54.5	73.5
7:19:30 AM	71.3	79.8	57.7	96.8	71.4	79.9	57.7	96.8
7:20:30 AM	67.2	75.5	54.7	88.9	67.2	75.6	54.8	88.9
7:21:30 AM	58.4	64.5	54.3	77.1	58.5	64.6	54.3	77.1
7:22:30 AM	55.7	58.6	54.2	71.3	55.7	58.6	54.2	71.4
7:23:30 AM	55.5	58	54	71.8	55.5	58	54	71.8
7:24:30 AM	58.8	63.8	55.5	77.7	58.9	63.8	55.6	77.7
7:25:30 AM	75.8	86.4	54.6	98.8	75.8	86.4	54.6	98.9
7:26:30 AM	68.2	77.6	54.9	100.1	68.2	77.6	55	100.1
7:27:30 AM	57.1	65.1	55	85	57.1	65.2	55	85
7:28:30 AM	57.1	62.8	54.9	80.2	57.1	62.8	55	80.3
7:29:30 AM	55.5	57.9	54.6	81.2	55.5	57.9	54.6	81.2
7:30:30 AM	56.8	60.1	55.1	73.2	56.9	60.2	55.1	73.2
7:31:30 AM	58	64.7	55.1	83.3	58	64.7	55.1	83.3
7:32:30 AM	59.1	66.8	55.3	85	59.1	66.9	55.4	85
7:33:30 AM	58	62.4	55.3	76	58	62.4	55.3	76
7:34:30 AM	61	68.8	55.4	86.7	61	68.8	55.4	86.8
7:35:30 AM	56.8	59.8	54.8	73.3	56.8	59.8	54.9	73.3
7:36:30 AM	59.4	65.9	56.3	79.4	59.4	65.9	56.3	79.4
7:37:30 AM	58.6	62.8	55.8	75.5	58.6	62.8	55.8	75.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
7:38:30 AM	60	67.7	56	82.9	60	67.7	56	82.9
7:39:30 AM	58.5	65.8	55.7	77.9	58.5	65.9	55.7	77.9
7:40:30 AM	61.6	68.8	55.9	83.5	61.6	68.9	56	83.6
7:41:30 AM	58.7	64.5	55.4	78.3	58.7	64.5	55.4	78.4
7:42:30 AM	64.1	73.3	56.6	85.8	64.1	73.3	56.6	85.8
7:43:30 AM	60.8	69.1	56.3	81.5	60.9	69.2	56.4	81.6
7:44:30 AM	59.1	63.3	56.2	79	59.2	63.3	56.2	79.1
7:45:30 AM	60.9	67	56.4	94.6	60.9	67	56.4	94.7
7:46:30 AM	62.3	68	56.4	84.3	62.3	68.1	56.4	84.3
7:47:30 AM	70.1	80.9	58.1	99.5	70.1	80.9	58.1	99.5
7:48:30 AM	62.9	74	55.4	88.6	62.9	74	55.5	88.6
7:49:30 AM	68.9	77.8	59.4	96.2	68.9	77.8	59.5	96.2
7:50:30 AM	62	73.7	57.4	91	62	73.8	57.5	91
7:51:30 AM	60	63.7	58.1	76.9	60	63.7	58.1	77
7:52:30 AM	59.5	61.1	58.2	76.3	59.5	61.2	58.2	76.4
7:53:30 AM	68.4	76.2	59	90.2	68.5	76.2	59	90.3
7:54:30 AM	63.1	73.2	58.3	88.3	63.2	73.2	58.3	88.3
7:55:30 AM	61.6	70.8	57.3	82.3	61.6	70.8	57.4	82.4
7:56:30 AM	58.4	60.4	57.1	75.8	58.5	60.4	57.1	75.8
7:57:30 AM	59	61.7	57.3	75.8	59	61.8	57.3	75.9
7:58:30 AM	61.2	63.6	58.2	76	61.2	63.6	58.2	76.1
7:59:30 AM	63.8	73.1	57.7	84.8	63.8	73.1	57.7	84.8
8:00:30 AM	59.5	64.6	56.9	77.5	59.5	64.6	56.9	77.6
8:01:30 AM	57.9	60.5	56.5	75.2	57.9	60.6	56.5	75.2
8:02:30 AM	62.8	73.4	59.2	88.3	62.9	73.4	59.2	88.3
8:03:30 AM	67.2	80.2	56.9	99.8	67.2	80.3	56.9	99.8
8:04:30 AM	60	63.7	56.8	76.5	60	63.8	56.8	76.5
8:05:30 AM	61.3	67.6	56.8	80.9	61.3	67.6	56.8	80.9
8:06:30 AM	61	67.6	57.4	79.1	61	67.6	57.4	79.2
8:07:30 AM	62.6	73.7	58.4	86.9	62.6	73.7	58.4	86.9
8:08:30 AM	69.4	76.7	57.5	90.7	69.4	76.7	57.6	90.7
8:09:30 AM	59	67.2	54.9	79.9	59	67.2	55	80
8:10:30 AM	58.8	69	54.6	79.4	58.8	69	54.6	79.4
8:11:30 AM	62	69.4	54.3	84.2	62.1	69.4	54.3	84.2
8:12:30 AM	57.7	65.9	54.1	75.8	57.7	66	54.1	75.9
8:13:30 AM	58.7	66.2	54.6	77.3	58.7	66.2	54.6	77.4
8:14:30 AM	64.6	73	54.3	88	64.6	73	54.3	88

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
8:15:30 AM	58.5	66.6	54.5	79.4	58.5	66.6	54.5	79.4
8:16:30 AM	55.1	57.9	53.9	70.3	55.1	57.9	53.9	70.3
8:17:30 AM	59.9	67.3	54.5	80.7	59.9	67.3	54.5	80.7
8:18:30 AM	66.4	74.1	54.7	87.9	66.4	74.1	54.8	87.9
8:19:30 AM	57.1	63.8	53.9	76.2	57.1	63.8	53.9	76.2
8:20:30 AM	55	58.9	53.7	70.9	55.1	58.9	53.7	70.9
8:21:30 AM	54.5	56.9	53.2	69.9	54.5	56.9	53.2	69.9
8:22:30 AM	56.4	61.3	53.9	73.6	56.4	61.3	53.9	73.7
8:23:30 AM	70.2	75.2	54.7	87	70.2	75.2	54.7	87
8:24:30 AM	66.6	72.6	58	85.6	66.6	72.6	58	85.6
8:25:30 AM	66.6	74.7	55.2	87.4	66.6	74.7	55.2	87.4
8:26:30 AM	57.2	60.6	54.6	74.3	57.3	60.6	54.7	74.3
8:27:30 AM	74.5	82.9	57.1	95.1	74.5	82.9	57.1	95.1
8:28:30 AM	67	74.1	54.1	85.4	67	74.1	54.1	85.4
8:29:30 AM	57.1	63.8	53.9	79.1	57.1	63.9	53.9	79.1
8:30:30 AM	56.7	60.6	53.5	73.3	56.7	60.7	53.5	73.4
8:31:30 AM	57.3	63.4	54	77.6	57.3	63.4	54	77.6
8:32:30 AM	66.5	76.9	53.8	94.5	66.5	76.9	53.8	94.5
8:33:30 AM	76.2	84	55.8	103.7	76.2	84	55.8	103.8
8:34:30 AM	57.8	63.4	54.7	76.3	57.8	63.4	54.7	76.4
8:35:30 AM	57.9	66.1	54.3	84.7	57.9	66.1	54.3	84.7
8:36:30 AM	69.3	78.8	58.4	91.4	69.3	78.8	58.4	91.4
8:37:30 AM	85	89.7	74.6	103.1	85	89.8	74.6	103.1
8:38:30 AM	83	90	71.5	104	83	90	71.5	104
8:39:30 AM	81.8	88.5	69.7	103	81.9	88.6	69.8	103.1
8:40:30 AM	71.9	74	68.1	88.1	71.9	74	68.2	88.1
8:41:30 AM	70.1	74.1	62.2	87.2	70.2	74.1	62.2	87.2
8:42:30 AM	69	71.9	64.9	92.1	69	72	65	92.2
8:43:30 AM	79.1	88.9	68.1	103.2	79.1	88.9	68.1	103.2
8:44:30 AM	72.9	76.8	65.3	93.1	72.9	76.8	65.3	93.1
8:45:30 AM	72.4	77	67	90.2	72.4	77	67	90.2
8:46:30 AM	74	85.2	67.1	104.9	74.1	85.3	67.1	104.9
8:47:30 AM	63.3	68.8	60.1	86.1	63.3	68.8	60.1	86.2
8:48:30 AM	64.2	67.4	61.6	81.6	64.3	67.4	61.6	81.6
8:49:30 AM	66	69.3	63.4	83.2	66	69.4	63.4	83.3
8:50:30 AM	66.2	70.3	61.7	84.4	66.3	70.3	61.7	84.4
8:51:30 AM	65.4	68.7	61.3	81.9	65.4	68.7	61.4	81.9

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
8:52:30 AM	66.8	70	62.7	85.4	66.8	70.1	62.7	85.5
8:53:30 AM	74.9	88.2	63.1	107	74.9	88.2	63.1	107
8:54:30 AM	70.5	84.4	62.2	96.9	70.6	84.4	62.2	96.9
8:55:30 AM	71.3	76.5	66.2	99.3	71.4	76.5	66.2	99.3
8:56:30 AM	64.1	68.3	61.6	80.4	64.1	68.3	61.6	80.4
8:57:30 AM	65.7	71.4	60.6	84	65.7	71.5	60.6	84
8:58:30 AM	76.4	83.9	57.7	96.9	76.5	84	57.7	96.9
8:59:30 AM	62.3	67.9	56.2	80.8	62.3	67.9	56.3	80.8
9:00:30 AM	58.9	60.9	56.1	78.5	58.9	61	56.1	78.5
9:01:30 AM	62.3	65.8	57.4	79.6	62.3	65.8	57.4	79.6
9:02:30 AM	59.4	62.8	55.3	82.2	59.5	62.8	55.4	82.2
9:03:30 AM	59.6	65.6	54.6	81.7	59.7	65.6	54.6	81.7
9:04:30 AM	64.4	73.6	56	86.9	64.4	73.7	56	87
9:05:30 AM	74.7	86.8	60.6	106.5	74.7	86.9	60.6	106.5
9:06:30 AM	62.5	65.6	60.1	84.7	62.5	65.6	60.1	84.7
9:07:30 AM	65.5	71.2	57.5	85.7	65.5	71.3	57.5	85.7
9:08:30 AM	67.4	75.2	60	90.1	67.5	75.2	60	90.1
9:09:30 AM	62.3	67.4	56.3	81.2	62.3	67.4	56.3	81.2
9:10:30 AM	66.1	69.9	62.8	84.3	66.1	69.9	62.9	84.3
9:11:30 AM	65.2	71.1	61.2	83.9	65.2	71.2	61.2	83.9
9:12:30 AM	61.1	66.5	57.1	80	61.1	66.5	57.1	80
9:13:30 AM	62.2	69.1	56.4	85.7	62.2	69.1	56.4	85.7
9:14:30 AM	62.4	66.3	57.7	80.4	62.5	66.3	57.7	80.4
9:15:30 AM	58.8	62.1	55.6	75.7	58.8	62.1	55.6	75.8
9:16:30 AM	60	65.7	56.5	78.5	60	65.7	56.6	78.5
9:17:30 AM	58.1	62.9	55.6	75.6	58.1	63	55.6	75.7
9:18:30 AM	68.4	82.6	56.2	104.4	68.4	82.7	56.3	104.4
9:19:30 AM	59	63.9	54.5	77.4	59	63.9	54.5	77.4
9:20:30 AM	57	60.7	54.8	81.4	57	60.7	54.9	81.4
9:21:30 AM	57.2	61.2	54.1	76.3	57.3	61.2	54.1	76.3
9:22:30 AM	59.5	65.1	54.8	79	59.5	65.1	54.9	79.1
9:23:30 AM	65	70.5	58.5	83.4	65	70.5	58.5	83.4
9:24:30 AM	64.6	68.9	61.2	81.7	64.6	69	61.3	81.7
9:25:30 AM	63.1	68.7	60.3	82.5	63.1	68.8	60.3	82.6
9:26:30 AM	65.8	73.8	60.1	86.9	65.8	73.8	60.2	86.9
9:27:30 AM	60.7	62.6	58.9	76.3	60.7	62.7	58.9	76.3
9:28:30 AM	63.3	73	59.1	86	63.3	73	59.1	86.1

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
9:29:30 AM	66.7	73	58.9	84.3	66.7	73	58.9	84.4
9:30:30 AM	70.5	77.5	59.8	92.5	70.5	77.5	59.8	92.5
9:31:30 AM	68	78.5	58.7	94.9	68	78.5	58.7	94.9
9:32:30 AM	75.7	81.6	67.2	99.9	75.7	81.6	67.2	99.9
9:33:30 AM	62.3	67.9	56.7	80.7	62.3	67.9	56.7	80.7
9:34:30 AM	58.5	62.5	56.5	79.7	58.5	62.5	56.5	79.8
9:35:30 AM	62.9	72.2	57	85	63	72.3	57	85
9:36:30 AM	67.5	75.6	57.4	94.7	67.5	75.7	57.4	94.7
9:37:30 AM	64.8	73.3	57.5	89.7	64.8	73.3	57.5	89.8
9:38:30 AM	60.4	68.6	56	85.8	60.4	68.6	56	85.8
9:39:30 AM	61.3	67.2	55.7	80.6	61.4	67.2	55.8	80.6
9:40:30 AM	60.5	64.4	58	77.4	60.5	64.4	58	77.4
9:41:30 AM	62.5	68.2	58	85.6	62.6	68.2	58	85.6
9:42:30 AM	60.2	68.5	57.1	84.1	60.2	68.5	57.2	84.1
9:43:30 AM	61.3	69.4	57.9	86.2	61.3	69.4	58	86.3
9:44:30 AM	66.3	73.8	59	87.1	66.4	73.8	59.1	87.1
9:45:30 AM	65.3	71.5	58.2	85	65.3	71.5	58.2	85
9:46:30 AM	62.3	65.4	59.2	82.9	62.3	65.4	59.2	82.9
9:47:30 AM	65.5	69	61.1	81.2	65.5	69	61.1	81.2
9:48:30 AM	63.4	66.3	60.5	87	63.4	66.3	60.6	87
9:49:30 AM	67.7	74.5	60	89.4	67.8	74.5	60	89.4
9:50:30 AM	64.8	70.8	62.2	84.5	64.8	70.8	62.3	84.6
9:51:30 AM	67.9	73.6	63	90.4	67.9	73.7	63	90.4
9:52:30 AM	57.9	63.1	55.7	77.6	57.9	63.1	55.8	77.7
9:53:30 AM	69.2	78.3	58.8	97.6	69.2	78.3	58.8	97.6
9:54:30 AM	63.8	71.3	57.6	92.1	63.9	71.3	57.7	92.1
9:55:30 AM	62.9	68.6	57.4	84.2	62.9	68.7	57.4	84.3
9:56:30 AM	58.9	64.2	54.7	76.8	58.9	64.2	54.7	76.8
9:57:30 AM	67.4	73.2	64.1	90.3	67.4	73.2	64.1	90.3
9:58:30 AM	67.5	71	64.3	83.9	67.5	71	64.3	84
9:59:30 AM	66	71.5	56.2	85.3	66	71.5	56.2	85.3
10:00:30 AM	63.2	69.1	56	82.3	63.2	69.1	56	82.3
10:01:30 AM	61.1	65.7	57	78.7	61.1	65.7	57.1	78.8
10:02:30 AM	64.3	74.5	54.1	91.4	64.3	74.5	54.1	91.4
10:03:30 AM	58.1	63.6	54.4	77.7	58.1	63.7	54.4	77.8
10:04:30 AM	64.6	69	60.1	88.8	64.6	69.1	60.1	88.9
10:05:30 AM	61.9	66.8	57.3	88.6	61.9	66.8	57.3	88.6

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Date/Time	Leq-1	Lmax-1	Lmin-1	Lpk-1	Leq-2	Lmax-2	Lmin-2	Lpk-2
10:06:30 AM	65.6	67.6	61.2	85.3	65.7	67.6	61.3	85.3
10:07:30 AM	64.2	66.4	57.2	80	64.2	66.4	57.2	80
10:08:30 AM	62.4	68.6	56.6	84.4	62.4	68.6	56.6	84.4
10:09:30 AM	63.3	70.3	56.7	85.5	63.3	70.3	56.7	85.5
10:10:30 AM	67.4	72.4	61.3	90.9	67.4	72.4	61.3	90.9
10:11:30 AM	67.2	68.9	61.7	90.9	67.2	68.9	61.8	90.9
10:12:30 AM	69.8	75.4	61.6	92.6	69.9	75.5	61.6	92.6
10:13:30 AM	69.7	77.8	66	95.2	69.7	77.8	66	95.2
10:14:30 AM	65.9	69.9	56.8	92.9	65.9	70	56.8	92.9
10:15:30 AM	59.4	65.8	56.1	79.8	59.4	65.8	56.1	79.9
10:16:30 AM	63.7	69.9	56.2	85.7	63.7	69.9	56.3	85.7
10:17:30 AM	68.1	80	55	100.6	68.1	80.1	55	100.6
10:18:30 AM	69.5	81.1	53.8	96.5	69.5	81.1	53.8	96.5
10:19:30 AM	73.6	81.8	63.9	102.3	73.6	81.9	63.9	102.3
10:20:30 AM	78.5	84.7	66.4	108.3	78.5	84.8	66.4	108.4
10:21:30 AM	77.5	83.3	53.1	104.4	77.5	83.3	53.1	104.4
10:22:30 AM	57	62.2	53.2	75.4	57.1	62.2	53.2	75.5
10:23:30 AM	67.2	76.3	53.5	91.5	67.2	76.3	53.6	91.5
10:24:30 AM	70.1	74.9	54	90.1	70.1	74.9	54	90.1
10:25:30 AM	70.9	77.3	61.4	96.7	71	77.3	61.4	96.7
10:26:30 AM	64.5	71.3	56.2	86.7	64.5	71.3	56.3	86.7
10:27:30 AM	73.4	79.5	58.9	101.5	73.4	79.5	58.9	101.6
10:28:30 AM	78.8	84.9	67.6	107.4	78.8	84.9	67.7	107.5
10:29:30 AM	73.4	76	65.1	98.8	73.4	76.1	65.2	98.8
10:30:30 AM	70.9	74.1	64.9	98.4	71	74.1	64.9	98.4
10:31:30 AM	67.8	72.1	62.7	95	67.8	72.1	62.7	95.1
10:32:30 AM	68.3	71.7	63.4	93.4	68.4	71.7	63.4	93.5
10:33:30 AM	67.8	70.7	64.3	95.2	67.8	70.8	64.3	95.3
10:34:30 AM	66.6	69.7	64.2	89.6	66.6	69.7	64.2	89.6
10:35:30 AM	65.7	68.5	62.4	87.4	65.7	68.5	62.4	87.4
10:36:30 AM	65.6	72.1	60.4	88.8	65.6	72.1	60.4	88.8

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

Attachment: 7-0035-01-010 HWY 21 TRUCK YARD ZMA SEPT 2021 - DIA 8.2021 (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck

ATLANTIC COAST CONSULTING. INC.

Roswell, GA
1150 Northmeadow Pkwy,
Suite 100
Roswell, GA 30076
Phone: 770.594.5998

Savannah, GA
7 East Congress Street
Suite 801
Savannah, GA 31401
Phone: 912.236.3471

Knoxville, TN
212 S. Peters Road
Suite 203
Knoxville, TN 37923
Phone: 865.531.9143

CITY OF PORT WENTWORTH

PLANNING COMMISSION

SEPTEMBER 13, 2021

Via Teleconference GoToMeeting | **Regular Meeting** | **6:30 PM**

7224 GA HIGHWAY 21
PORT WENTWORTH, GA 31407

1. CALL MEETING TO ORDER

Chairman CJ Neesmith called the meeting to order.

2. PRAYER AND PLEDGE OF ALLEGIANCE

Commissioner Bright led the Prayer and Pledge of Allegiance.

3. ROLL CALL - SECRETARY

Attendee Name	Title	Status	Arrived
Bill Herrin	Planning Commissioner	Present	
Rufus Bright	Planning Commissioner	Present	
Rosetta Franklin	Planning Commissioner	Present	
Wanda Rollf	Planning Commissioner	Present	
Lauree Morris	Planning Commissioner	Present	
CJ Neesmith	Planning Commissioner	Present	
Gabrielle Nelson	Planning Commissioner	Present	
Brian Harvey	Director of Development Services	Present	
Melanie Ellis	Building Inspector	Present	

4. APPROVAL OF AGENDA

1. Approval of Agenda

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Rosetta Franklin, Planning Commissioner
SECONDER:	Bill Herrin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

5. ADOPTION OF MINUTES

A. Planning Commission - Regular Meeting - Jul 12, 2021 6:30 PM

RESULT:	**ACCEPTED [UNANIMOUS]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Rosetta Franklin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

6. ZONING MAP AMENDMENTS (REZONING)

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck Yard)

A. Zoning Map Amendment Application submitted by Robert L. McCorkle, III., McCorkle, Johnson & McCoy, on behalf of Thomas Lee Exley for PIN # 7-0906-01-012 (Highway 21) to Rezone from R-A (Residential Agriculture) to P-R-M (Planned Residential Multifamily) Zoning District for the purpose of a Multi-Family Apartment Development

The applicant, Robert L. McCorkle III., was present and gave a brief overview of the project and offered to answer any questions the Commission may have. Commissioner Nelson asked if City services would be able to sustain all the new residential development, traffic concerns, and school overcrowding. Mr. McCorkle responded that they do not believe that their project will overburden the City and that this project would bring in more taxes that can assist the City in acquiring more staff to support the new growth. Commissioner Morris agreed with Commissioner Nelson and stated that the Developers should consider the concerns when submitting for site plan development and the reports that are included in those submittals for review by the City engineers.
Public Comments:
-Murray Marshal spoke in favor of the application.
After the public comment section was closed, Commissioner Morris made a motion to approve the application. Commissioner Nelson seconded the motion to approve. The vote was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Lauree Morris, Planning Commissioner
SECONDER:	Gabrielle Nelson, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

B. Zoning Map Amendment Application submitted by Marc Liverman, Atlantic Coast Consulting, Inc., on behalf of Drayton-Parker Companies, LLC., for PIN # 7-0035-01-010 (Highway 21) to Rezone from P-C-3 (Planned General Business) to P-I-1 (Planned Industrial) Zoning District for the purpose of a Truck / Chassis Storage Yard

The applicant, Marc Liverman, and Zach Riddle was present to represent the application. Marc Liverman gave a brief overview of the project and offered to answer any questions the Commission may have. Commissioner Nelson asked that this would be a hub instead of a in / out operation all day. Mr. Liverman responded that was correct and that most of the clients that would use this as an overflow yard and storage. Commissioner Herrin asked what the hours of operation would be. Zach Riddle responded that it should be normal business hours and weekends. Commission Bright asked to verify the location of this project. Commissioner Rollf asked about the flow of traffic of the trucks and how the trucks will be stopped from making left turns out of the driveway. Mr. Riddle responded that in the contract / lease agreement with the users the truck drivers will be required to follow all traffic laws. Commissioner Franklin asked if the trucks would use the road through Amazon parking lot and exit onto Crossgate Road. Mr. Riddle responded that the trucks would not be allowed on that road and that is Amazon only road. Commissioner Morris asked about the traffic flow for trucks making a U-Turn at the red-light at Crossgate Road and if the light timing has been researched. Mr. Liverman responded that in the traffic impact assessment did not show that this facility would impact that light and that any trucks turning left into the facility would use the existing curb cut on Highway 21. There were no public comments. Commissioner Herrin made a motion to approve the application. Commissioner Bright seconded the motion to approve. Commissioners Herrin, Bright, Franklin, Rollf, Nelson voted to approve. Commissioner Morris vote could not be heard due to technical issues.

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck Yard)

RESULT:	**APPROVED [5 TO 0]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Rufus Bright, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Nelson
AWAY:	Morris

7. ZONING TEXT AMENDMENTS (ORDINANCES)

8. SITE PLAN/SUBDIVISION APPROVAL

A. Site Plan Review Application submitted by NGI Acquisitions, LLC., on behalf of Tom Exley for PIN # 7-0907-01-003 (Highway 21) for a General Development Site Plan to allow a Multifamily Apartment Complex (Novare) in a P-RIP (Planned Residential Institutional) Zoning District

Scott Monson and Kenny Bud was present on behalf of the applicant. Mr. Monson gave an overview of the project and offered to answer any questions the Commission may have. Commissioner Herrin expressed traffic concerns on Highway 21 and how the traffic flow for the complex would be handled, what the value / rent would be for the homes, and if there would be a berm between the project and Pine Forest Subdivision. Mr. Monson responded that the entrance / exit would be approved by GDOT and there is a 50-foot vegetative buffer. Kenny Bud responded that the rent currently ranges between $1300-$1800.
Public Comments:
-Per Brian Harvey - Sylvia Hinley 1 Lanvale Street contacted the Development Services Office to inform that she is against the development.
After the public comment section was closed, Commissioner Rollf made a motion to Approved the application. Commissioner Bright seconded the motion to approve. Commissioners Bright, Rollf, Nelson voted Yes. Commissioners Herrin and Franklin voted No. Commissioner Morris vote could not be heard due to technical issues.

RESULT:	**APPROVED [3 TO 2]**
MOVER:	Wanda Rollf, Planning Commissioner
SECONDER:	Rufus Bright, Planning Commissioner
AYES:	Bright, Rollf, Nelson
NAYS:	Herrin, Franklin
AWAY:	Morris

B. Site Plan Review Application submitted by Ray Pittman, Pittman Engineering, on behalf of Third Lake Development, LLC., for PIN # 7-0906-04-091 (Rice Hope Rd) for a General Development Site Plan to allow a Multifamily Development (The Cottages at Rice Hope Plantation) in a M-P-O (Master Plan Overlay) Zoning District

The applicant, Ray Pittman, was present and gave a brief overview of the project and offered to answer any questions the commission may have. Scott DeCain was also present. Commissioner Nelson asked if City services would be able to sustain all the new residential development, traffic concerns, and school overcrowding. Mr. Pittman responded that the when the original master plan was developed all the infrastructure was took into account and that the overall amount of lots would be less than the original master plan allowed. Commissioner Bright asked about additional traffic lights and traffic concerns. Mr. Pittman stated that no traffic lights have been planned with the additional units due to that all of those concerns were addressed in the original master plan. Commissioner Rollf asked what the average number of cars per unit and if there was enough parking provided. Mr. Pittman responded that for this development there is a minimum of two parking spaces per unit. Commissioner Morris liked that this concept plan showed several areas of greenspace, and she believes the development will be very

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck Yard)

nice. Commissioner Rollf asked why these homes are for rent instead of building homes for purchase. Scott DeCain responded the Rice Hope community does have for-sale homes in future development plans.
Public Comments:
-Christine Stewart, 504 Rice Hope Plantation Road, spoke against the application due to traffic concerns and trash services.
-Madeline Quinones, 114 Parkside Blvd, spoke against the application due to traffic concerns, on-street parking, and emergency vehicle access.
-Cortrice Jackson, 305 Lakeside Blvd, spoke against the application due traffic, trash, internet capabilities.
-Gary Conway, 403 Lakeside Blvd, asked where the entrance for the plan was located.
After the public comment section was closed, Commissioner Bright made a motion to approve the application. Commissioner Rollf seconded the motion to approve. Commissioners Herrin, Bright, Franklin, Rollf, Nelson voted to approve. Commissioner Morris vote could not be heard due to technical issues.

RESULT:	**APPROVED [5 TO 0]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Wanda Rollf, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Nelson
AWAY:	Morris

C. Site Plan Review Application submitted by D.R. Horton on behalf of Bald Eagle Partners for PIN #'s 7-0906-04-041, 7-0906-04-042, 7-0906-04-054, 7-0906-04-063 (Lakeside Blvd) for a General Development Site Plan to allow a Residential Development (Lakeside Phases 20-30) in a M-P-O (Master Plan Overlay) Zoning District

Garrison Bryant was present on behalf of the applicant. Mr. Bryant gave a brief overview of the project and offered to answer any questions the commission may have. Commissioner Nelson asked to confirm that these homes were for purchase and not for rent. Chairman Neesmith stated that yes, they were for-sale homes. Commissioner Bright asked where these were located and if they were 3- or 4-bedroom homes. Mr. Bryant responded that they were off of Lakeside Blvd and there would be a variety of types of homes and that the majority would be for-sale and a small percentage would be for-rent.
Public Comments:
-Alfonso Ribot, 17 Wild Silk Way, asked if the HOA would be the same for the new development as the rest of Rice Hope. Mr. Decain responded that it has not been determined yet.
-Ponda Showalter, 313 Lakeside Blvd, asked what the traffic flow for the construction would be. Mr. Decain responded that he is not responsible for the construction traffic.
-Gary Conway, 403 Lakeside Blvd, asked if there would be any other access points other than Lakeside Blvd and Mulberry Blvd. Mr. DeCain responded no.
-Madeline Quinones, 114 Parkside Blvd, asked how many rentals and how many for-sale. Mr. DeCain responded about 25% for-rent and 75% for-sale.
After the public comment section was closed, Commissioner Bright voted to approve the application. Commissioner Morris seconded the motion to approve. The vote to approve was unanimous.

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck Yard)

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Lauree Morris, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

D. Site Plan Review Application submitted by Neil McKenzie, Coleman Company Inc., of behalf of LMS Real Estate Investment Management, LLC., for PIN # 7-0975-01-025 Tract B (Highway 21 / Jeffers Rd) for a Specific Development Site Plan to allow a Multi-Family Residential Development (LMS Cottages) in a P-R-M (Planned Residential Multifamily) Zoning District

The applicant, Neil McKenzie, was present. Mr. McKenzie gave an overview of the project and offered to answer any questions the Commission may have. Commissioner Bright asked which residents that they talked to about the project. Mr. McKenzie responded that there were two neighborhood meetings at the City Hall Council Chambers and both meetings were well attended. Commissioner Nelson asked about the Saussy Road improvements. Mr. McKenzie responded that the Developers would rebuild and widen Saussy Road up to the entrance of the development, which would include a dedicated right and left turn lane, and then they would mill and overlay Saussy Road up to Grant Road.
Public Comments:
-LaRay Benton, 135 Saussy Road, spoke against the applicant, stating stormwater and flooding concerns.
After the public comment section was closed, Commissioner Herrin made a motion to approve. Commissioner Rollf seconded the motion to approve. The vote to approve was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Bill Herrin, Planning Commissioner
SECONDER:	Wanda Rollf, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

E. Subdivision Application submitted by David Dowdy, Jackson Surveying, Inc., on behalf of Shay Anam, LLC., for a portion of PIN # 7-0037-02-004 (Magellan Blvd) located in a P-C-3 (Planned General Business) Zoning District for a Final Plat of a Minor Subdivision (Parcel 3, Former Broadman Tract) for the purpose of a Hotel Development

No one was present for the application. There were no public comments.
Commissioner Franklin made a motion to approve. Commissioner Nelson seconded the motion to approve. The vote was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rosetta Franklin, Planning Commissioner
SECONDER:	Gabrielle Nelson, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

F. Subdivision Application submitted by Ray Pittman, Pittman Engineering, Co., on behalf of Bald Eagle Partners for PIN # 7-0906-04-069 (Hickory Street) located in a M-P-O (Master Plan Overlay) Zoning District for a Preliminary Plat of a Major Subdivision (Parkside at Rice Hope Phases B & C) for the purpose of Single-Family Homes

The applicant, Ray Pittman, was present. Mr. Pittman gave a brief overview of the project and offered to answer any questions the Commission may have. There were no questions from the Commission.
Public Comments:

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck Yard)

-Madeline Quinones, 114 Parkside Blvd, asked who the builder was for these homes and spoke against the application. Mr. Pittman responded that he was not sure of who the builder was.
After the public comment section was closed, Commissioner Bright made a motion to approve the application. Commissioner Morris seconded the motion to approve. The vote to approve was unanimous.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Lauree Morris, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

9. NEW BUSINESS

10. ADJOURNMENT

A. Adjournment

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Rufus Bright, Planning Commissioner
SECONDER:	Bill Herrin, Planning Commissioner
AYES:	Herrin, Bright, Franklin, Rollf, Morris, Nelson

_____
Chairman

The foregoing minutes are true and correct and approved by me on this _____ day of _____, 2021.

_____
Secretary

Attachment: Planning Commission Minutes September 13, 2021 DRAFT (2512 : Zoning Map Amendment 7-0035-01-010 HWY 21 Truck Yard)