



**AGENDA
TECHNICAL REVIEW COMMITTEE
REGULAR MEETING
JANUARY 26, 2023
10:00 AM
CITY HALL COMMISSION CHAMBERS
204 ASH STREET
FERNANDINA BEACH, FL 32034**

- 1. CALL TO ORDER**
- 2. ROLL CALL**
- 3. PLEDGE OF ALLEGIANCE**
- 4. APPROVAL OF MINUTES**
- 5. DISCUSSION ITEMS**
- 6. NEW BUSINESS**
 - 6.1 TRC 2022-0029 - ROBERTS CIVIL ENGINEERING, AGENT FOR FIRST BAPTIST CHURCH OF FERNANDINA BEACH, 1600 S. 8TH STREET**
Site Review to addition to the existing church with a 11,853 sq ft building wing, modification of existing parking, addition of porte-cochere.
- 7. OLD BUSINESS**
- 8. COMMITTEE BUSINESS**
- 9. ADJOURNMENT**

NEXT REGULAR TRC MEETING IS SCHEDULED FOR FEBRUARY 23, 2023

Persons with disabilities requiring accommodations in order to participate in this program or activity should contact 310-3115, TTY 711, or through the Florida Relay Services at 1-800-955-8771 (TTY number for all City offices) at least 24 hours in advance to request such accommodations.



Sally Williams
14600 Whirlwind Avenue Suite 119 A
Jacksonville, FL 32218

Sent Via Email to Project Team

Applicant Name: Sally Williams
Project Description: First Baptist Expansion
Location: 1600 S. 8th Street
TRC Case Number: TRC 2022-0029

Ms. Williams,

The City of Fernandina Beach received your request for site plan review on December 1, 2022. All submitted documents provided were routed to the Technical Review Committee (TRC). The comments provided as part of this site plan review are valid for six months from the date of issuance.

Please resubmit response documents to address each comment in a narrative form and through an amended site plan. The next available TRC meeting is Thursday, February 23, 2023, at 10 am. This project is currently scheduled to appear on the agenda. All reviewers will be present to discuss any questions you have concerning the comments provided herein.

If you have any questions, please contact us at TRCinfo@fbfl.city or 904-310-3480.

Sincerely,

Salvatore J. Cumella, Senior Planner



TRC Reviewers: After reviewing proposed plans...

- If you have comments that need to be addressed in a resubmittal, please check the first box and enter comments in the bulletized list, or
- If you have no comments or the applicant has satisfactorily addressed all of your previous comments, please check the second box and add your name and date. This is your "sign off" for issuance of the Local Development Order (LDO) once all departments have signed off.

2ND ROUND REVIEW COMMENTS:**PLANNING**

☒ The Planning & Conservation Department has reviewed the submittal and noted the following comments:

- Please provide updated wetland delineation survey.
- Please provide percentages for total gross floor area of the site for compliance with 6.02.29 (G)1.

☐ All previous comments have been addressed and the Department of Planning & Conservation approves issuance of a local development order.

Name of Approver: Daphne Forehand

Today's Date: Thursday, January 19, 2023

BUILDING

☒ The Building Department has reviewed the submittal and noted the following comments:

- No comments received as of 01/19/23

☐ All previous comments have been addressed and the Building Department approves issuance of a local development order.

Name of Approver: First Last

Today's Date: Thursday, January 19, 2023

UTILITIES, STORMWATER, & STREETS

☒ The Public Works Department has reviewed the submittal and noted the following comments:

- No comments received as of 01/19/23

☐ All previous comments have been addressed and the Public Works Department approves issuance of a local development order.

Name of Approver: First Last

Today's Date: Thursday, January 19, 2023

CODE ENFORCEMENT

☒ The Code Enforcement Department has reviewed the submittal and noted the following comments:

- No comments received as of 1/19/23

☐ All previous comments have been addressed and the Code Enforcement Department approves issuance of a local development order.

Name of Approver: First Last



Today's Date: Thursday, January 19, 2023

FIRE

☒ The Fire Department has reviewed the submittal and noted the following comments:

- No comments received as of 01/19/2023.

☐ All previous comments have been addressed and the Fire Department approves issuance of a local development order.

Name of Approver: First Last

Today's Date: Thursday, January 19, 2023



TECHNICAL REVIEW COMMITTEE **FIRST STEP**

Date:	January 12, 2023
Applicant:	Sally Williams, Roberts Civil Engineering LLC
Project Name:	First Baptist Church Expansion
Project Address:	1600 S. 8th Street
Parcel ID(s):	00-00-30-0800-0003-0000

Thank you for participating in today's TRC: First Step meeting. Below are some helpful links to guide you through the next steps of your project:

Next Steps

- ☐ Apply for a [Local Business Tax Receipt \(LBTR\)](#)
- ☐ Historic District – [Certificate of Approval \(COA\) Applications](#)
- ☐ Apply for required building permits - [Online Permitting](#)
- ☒ Apply for a formal [TRC Site Plan Review](#)
- ☒ Contact any necessary State and/or Federal agencies for additional development requirements (FDOT, FDEP, etc.) _____
- ☐ Submit a [School Impact Analysis Form](#)
- ☐ Submit a [Water/Sewer Annexation Agreement](#)
- ☐ Submit a Traffic Concurrency analysis

Notes TRC Site Plan Review scheduled for January 26, 2023 @10AM, City Hall Commission Chambers (204 Ash Street).

Print

Technical Review Committee: Application - Submission #10285

Date Submitted: 12/1/2022

Technical Review Committee: Application

USE THIS FORM TO To apply for review of site plans, preliminary subdivision plats, final subdivision plats, minor subdivisions, and amendments to previously issued local development orders, change of use, and nonresidential building expansions.

Fees

- ☒ Initial submittal + two submittals of full site plans. \$400 + 2% of the project construction cost (whichever is greater) for up to a maximum of \$5,500.
- ☐ 3rd and subsequent resubmittals. 1/2 of original application fees
- ☐ Engineering Review (Consultant Hourly Rate)

2022 Meeting Calendar

TRC 2022 Calendar



In observance of Thanksgiving on November 24, the TRC Regular Meeting is moved up to November 17.

IMPORTANT NOTES

This application will be routed to the various departments for review of the applicable codes and design standards.

****Please note that, unless otherwise indicated, the TRC meetings are scheduled as the following:**

TRC Applications are reviewed at 10:00 AM on the 4th Thursdays of each month in City Hall Chambers (204 Ash Street).**

Please see the Land Development Code (LDC) for detailed information:



Requirements for All Site Plans “ see LDC section 11.01.04



Requirements for Subdivision Plats “ see LDC section 11.01.05



Determination for Completeness & sufficiency “ see LDC section 11.03.01



Review and Compliance Report by the Technical Review Committee “ see LDC Section 11.03.02



Construction and Improvements “ see LDC section 11.05.00



Amendments to Local Development Orders “ see LDC section 11.06.00

The LDC is available for review at

www.fbfl.us/LDC

Application Requirements



See Development Plan Submittal Checklist



All applications are subject to a determination of completeness as required by Land Development Code section 11.03.01.



A determination of completeness is a determination that all required documents and plans have been submitted, and whether all fees have been paid.



A determination of completeness is not a determination of compliance with substantive standards and criteria.

Key Contacts

TRC will guide your application from start to finish, engaging other City departments as needed.



PROJECT INFORMATION

Submission Type*

Initial Submittal ▼

NOTICE

3rd and all subsequent submissions will be charged a fee of 1/2 the original application fees.

Case Number*

PROPERTY INFORMATION

[Property information can be found at the Nassau County Property Appraiser's Website's Map Search](#)

Site Address*

1600 S. 8th Street

City*

Fernandina Beach

State*

Florida

Zip*

32034

Parcel ID #(s)

00-00-30-0800-0003-0000

Lot

3

Block

Subdivision

Zoning District

C-1 ▼

Future Land Use Designation*

General Commercial ▼

Overlay District*

None ▼

Size of Property (acres)*

15.24

Present Property Use*

CHURCHES 007100

Wetlands*

Yes ▼

Flood Zone*

X, area of minimal flood ▼

Coastal Construction Control Line (CCCL)*

No ▼

OWNER OF RECORD

As recorded with the Nassau County Property Appraiser

First Name*

Dan

Last Name*

Beckwith

Company (if applicable)

First Baptist Church of Fernandina Beach

Mailing Address*

1600 S. 8th Street

City*

Fernandina Beach

State*

Florida

Zip*

32034

Telephone Number*

904-741-0099

Email Address*

swilliams@robertscivilengineering.com

OWNER'S AGENT

If other than owner. If an agent will be representing the owner, an Owner's Authorization For Agent Representation form must be included

First Name

Sally

Last Name

Williams

Company (if applicable)

Roberts Civil Engineering, LLC

Mailing Address

14600 Whirlwind Avenue, Suite 119a

City

Jacksonville

State

Florida

Zip

32218

Telephone Number

904-741-0099

Email Address

swilliams@robertscivilengineering.com

PROJECT INFORMATION**Project Type***

Non-Residential Building Expansio 

Project Name

FBC Fernandina Beach Expansion

Proposed Access Road*

State Highway 200 (A1A)

Rd Maintenance Jurisdiction*

FDOT Maintained 

Project Estimated Cost***Description of Request***

This application is for a building addition to the existing First Baptist Church of Fernandina Beach building to include an 11,853 square foot classroom building wing and modifications to the existing parking and drive aisles including a porte cochere and attendee drop-off area. No new utility connections are planned. Minimal stormwater maintenance system modifications including tying roof drains into existing system are shown in the plans. Construction traffic will be limited to one route on the property, using State Highway 200 (A1A) for access. Sediment and erosion control measures can be found in the civil planset and are planned for during construction including silt fence and inlet sediment traps.

Site Plan Review Checklist

- ☒ The names, address, telephone number, and email address of the person preparing the plan.
- ☒ The date of preparation and date(s) of any modifications, a north arrow, and a written and graphic scale.
- ☒ The legal description of the property, consistent with the required survey.
- ☒ A vicinity map showing the location of the property.
- ☒ The location of streams, bodies of water, natural features, roads, rights-of-way, street intersections, and paved areas within the boundaries of the property.
- ☒ The location of streams, bodies of water, dunes and dune systems, and other natural features within 250 feet of the boundaries of the property.
- ☒ The location of the mean high-water line, if such line is within the boundaries of the property.
- ☒ A topographic survey, soils report, grading plan, and an erosion control plan.
- ☐ A general floodplain map indicating areas subject to inundation and high groundwater levels up to a 100-year flood classification.
- ☐ A statement indicating the distances to schools and public safety facilities intended to serve the proposed development.
- ☐ The name, plat book, and page number of any recorded subdivision comprising all or part of the site.
- ☒ The location and use of any existing and proposed principal or accessory buildings and structures, showing proposed setbacks, building heights, and other dimensional requirements of the zoning district.
- ☒ Elevations of all proposed structures.
- ☒ The access points, driveway design, on-site parking, including required parking lot landscaping, internal circulation, sidewalks, and bicycle facilities.
- ☒ The location of existing and proposed utilities, utility services, and easements.
- ☐ A tree survey showing protected trees, proposed replacement trees, if required, and landscaping and buffering. (See Section 4.05.00.)
- ☐

A soil erosion and sediment control plan compliant with Section 3.01.04.



For a PUD site plan, a detailed, written list and explanation of how the proposed PUD differs from any provision of this LDC applicable to the underlying zoning district.



For site plans and PUD site plans where development is proposed in phases, the plans shall include phase lines and the following supporting information:



o Timeline for the development; and



o Benchmarks for monitoring the progress of construction of each phase regarding land clearing, soil stabilization and erosion control, installation of infrastructure, and installation of landscaping.



A summary block containing:



o Land use category from the Future Land Use Map in the comprehensive plan;



o Zoning district;



o Total acreage;



o Total square footage for non-residential uses;



o Total density and number of units, proposed and permissible for residential uses;



o Impervious surface ratio calculation, proposed and permissible;



o Floor area ratio calculation, proposed and permissible;



o Total number of parking spaces, required and provided; and



o Number of trees required to be protected, number of trees remaining on the site, and number of trees to be planted.



Additional plans, documents, or reports that are necessary to support the application shall be submitted. Such plans, documents, or reports may include, but are not limited to:



o Subdivision Plats (subdivision plats shall contain the information set forth in Section 11.01.05.)



o Concurrency analysis (concurrency analysis reports shall contain the information set forth in Section 7.04.00.)



o Traffic analysis reports (requirements for traffic analysis reports are set forth in Section 11.01.06.)



o Parking studies (requirements for parking studies are set forth in Section 7.01.04.)



o Stormwater management plans (requirements for stormwater management plans are set forth in Section 7.03.00.)



o Environmental Impact Study (requirements for environmental impact studies are set forth by regional, State, and federal agencies with jurisdiction and in Chapter 3 of the LDC.)



o Tree Protection Plan (Section 4.05.09.)



o Landscape Plan (Section 4.05.00.)



o Lighting Plan (Section 3.05.00.), Section 7.01.04.B)



o Signage Plan (Section 5.03.00.)



o Proof of Ownership “ provide a legal description, Property Identification Number (PIN) and a copy of the warranty deed.



Concurrency analysis reports shall contain the information set forth in Section 7.04.00. Requirements for traffic analysis reports are set forth in Section 11.01.06. Requirements for parking studies



“ Any development application for development proposed within the Airport Overlay Zone established for the Fernandina Beach Municipal Airport shall provide confirmation of notification to the FAA as r

School Concurrency

New residential development is required to demonstrate compliance with school concurrency as regulated in the City of Fernandina Beach through the City of Fernandina Beach’s Comprehensive Plan Intergovernmental Coordination Element and the Interlocal Agreement Amendment for Public School Facility Planning adopted by the City on May 21, 2019. No new residential rezoning, preliminary plat, site plan or functional equivalent may be approved by the City unless the residential development is exempt from requirements outlined in Section 9.13 of the Amended Interlocal Agreement OR a School Concurrency Reservation Letter has been issued by the School Board indicating that adequate school facilities exist.

Certification*



By signing below, I certify that the information contained in this application is true and correct to the best of my knowledge at the time of the application.



I acknowledge that I understand and have complied with all of the submittal requirements and procedures.

Applicant First Name*

Sally

Applicant Last Name*

Williams

Today's Date*

12/1/2022

Upload Supporting Documentation*

FBD Fernandina Beach Expansion.pdf

Upload 2

Deed.pdf

Upload 3

Agent Authorization Roberts Civil.pdf

Upload 4

Concurrency Impact Analysis.pdf

Upload 5

Agent Authorization Compass TRC.pdf

Upload 6

Choose File

No file selected

Upload 7

Choose File

No file selected



DEPARTMENT OF PLANNING & CONSERVATION

204 Ash Street | Fernandina Beach, FL 32034 | 904 310-3480 | www.fbfl.us/planning



OWNER'S AUTHORIZATION FOR AGENT REPRESENTATION

I /WE Dan Beckwith
(print name of property owner(s))

hereby authorize: Ron Flick, Compass Group, Inc.
(print name of agent)

to represent me/us in processing an application for: Tech Review Committee
(type of application)

on our behalf. In authorizing the agent to represent me/us, I/we, as owner/owners, attest that the application is made in good faith and that any information contained in the application is accurate and complete.

[Signature]
(Signature of owner)

[Signature]
(Signature of owner)

Dan Beckwith
(Print name of owner)

[Signature]
(Print name of owner)

STATE OF FLORIDA

COUNTY OF NASSAU

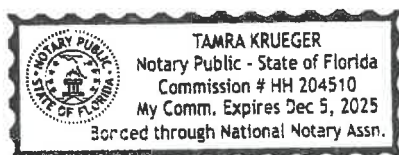
Sworn to (or affirmed) and subscribed before me by means of ☒ physical presence or ☐ online notarization, this 30th day of November, 20 22, by Dan Beckwith.

Tamra Krueger
Notary Public

Tamra Krueger
Printed Name

12/05/2025
My Commission Expires

Personally Known ☒ OR Produced Identification ☐ ID Produced: ☐





OWNER'S AUTHORIZATION FOR AGENT REPRESENTATION

I /WE Dan Beckwith
(print name of property owner(s))

hereby authorize: Roberts Civil Engineering
(print name of agent)

to represent me/us in processing an application for: Tech Review Committee
(type of application)

on our behalf. In authorizing the agent to represent me/us, I/we, as owner/owners, attest that the application is made in good faith and that any information contained in the application is accurate and complete.

[Signature]
(Signature of owner)

[Signature]
(Signature of owner)

Dan Beckwith
(Print name of owner)

[Signature]
(Print name of owner)

STATE OF FLORIDA

COUNTY OF NASSAU

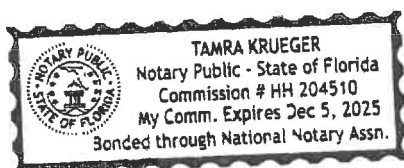
Sworn to (or affirmed) and subscribed before me by means of ☒ physical presence or ☐ online notarization, this 30th day
of November, 20 22, by Dan Beckwith.

Tamra Krueger
Notary Public

Tamra Krueger
Printed Name

12/05/2025
My Commission Expires

Personally Known ☒ OR Produced Identification ☐ ID Produced: ☐



CONCURRENCY IMPACT ANALYSIS

Fernandina First Baptist Church
1600 S. 8th Street
Fernandina Beach, FL

Date 12/1/2022

Prepared by:



ROBERTS
CIVIL ENGINEERING

14600 Whirlwind Avenue Suite 119a, Jacksonville, Florida 32218 31522 904-741-0099



Concurrency Impact Analysis
Fernandina First Baptist Church

TABLE OF CONTENTS

1.0 Introduction	1
2.0 Potable Water.....	1
3.0 Sanitary Sewer.....	1
4.0 Transportation.....	1
5.0 Solid Waste.....	2
6.0 Stormwater.....	2



Concurrency Impact Analysis Fernandina First Baptist Church

1.0 Introduction

This application is for a building addition to an existing church building to include an 11,853 square foot classroom building wing and modifications to the existing parking and drive aisles including a porte cochere and attendee drop-off area. The zoning classification of the parcel is community commercial (C-1).

It is anticipated that this modification will have a de minimis impact on level of service standards.

The proposed building addition will not result in an increase in the intensity of usage of the existing development, no impacts to the level of service standards for potable water, sanitary sewer, traffic or solid waste are anticipated.

2.0 Potable Water

The proposed improvements extend the existing potable water system into the proposed building addition. The improvements do not add to the current capacity or demands due to the nature of the new building addition use and its occupants. The occupants of the existing building space will be occupying this new space as well. Potable water infrastructure demand for the existing development were considered when the development plans were approved.

3.0 Sanitary Sewer

The proposed improvements slightly modify the existing sanitary sewer system to include additional restrooms. The improvements do not add to the current capacity or demands due to the nature of the new building addition use and its occupants. The occupants of the existing building space will be occupying this new space as well. Sanitary sewer infrastructure demand for the existing development were considered when the development plans were approved.

4.0 Transportation

No increase in traffic is anticipated as a result of the proposed site improvements. Traffic impacts for the existing development were considered when the original development plans were approved.



Concurrency Impact Analysis Fernandina First Baptist Church

5.0 Solid Waste

The proposed site improvements do not affect or modify the existing solid waste infrastructure, nor do they add to the current capacity or demands. Solid waste infrastructure demand for the existing development were considered when the development plans were approved.

6.0 Stormwater

The proposed site improvements slightly modify the stormwater management system due to an increase of impervious area. The roof drains of the building addition will be directly tied into the existing stormwater maintenance system. The improvements do not add to the current capacity of the system. Stormwater management was considered when the development plans were approved.

THIS INSTRUMENT PREPARED BY:

JACOBS & ASSOCIATES, P. A.
401 Centre Street, Second Floor
Fernandina Beach, Florida 32034

RECORD AND RETURN TO:
JACOBS & ASSOCIATES, P. A. *
401 Centre Street, Second Floor
Fernandina Beach, Florida 32034

RE PARCEL ID #: 00-00-30-0800-0003-0000
BUYER'S TIN:

Doc# 200007227
Book: 922
Pages: 630 - 632
Filed & Recorded
03/02/00 11:13:34 AM
J. M. OXLEY JR.
CLERK OF CIRCUIT COURT
NASSAU COUNTY, FLORIDA
DEED REC STAMP
RECORDING
TRUST FUND
\$ 5,950.00
\$ 13.00
\$ 2.00

Recording 15.00
Doc. Stamps 59.50
Int. Tax. 9.65
Total 84.15

WARRANTY DEED

THIS WARRANTY DEED made this 1st day of March, 2000 by Bo Song Chung and Pauline C. Chung, his wife, hereinafter called Grantor, and whose address is 73 Oak Grove Place, Fernandina Beach, FL 32034 to First Baptist Church of Fernandina, Florida, hereinafter called Grantee and whose address is 416 Alachua Street, Fernandina Beach, FL 32034.

(Wherever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations.)

WITNESSETH:

THAT the Grantor, for and in consideration of the sum of Ten and NO/100 Dollars and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the Grantee, all that certain land situate, lying and being in Nassau County, Florida, viz:

See Exhibit "A" attached hereto and by this reference made a part hereof.

The real property described in this instrument is not the constitutional homestead nor the primary physical residence of the Grantor.

SUBJECT TO taxes accruing subsequent to December 31, 2000.

SUBJECT TO covenants, restrictions and easements of record, if any; however, this reference thereto shall not operate to reimpose same.

TOGETHER with all the tenements, hereditaments and appurtenances thereunto belonging or in anywise appertaining.

TO HAVE AND TO HOLD the same in fee simple forever.

AND the Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land; that the Grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances.

IN WITNESS WHEREOF, the said Grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Roswitha T. Abels
 Witness Signature
ROSWITHA T. ABELS

Belinda Gearis
 Witness Signature
Belinda Gearis

Bo Song Chung
 Bo Song Chung
Pauline C. Chung
 Pauline C. Chung

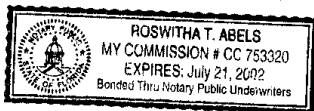
STATE OF FLORIDA
 COUNTY OF NASSAU

The foregoing instrument was acknowledged before me this 1st day of March, 2000 by Bo Song Chung and Pauline C. Chung, his wife. He/She is personally known to me or has produced D.A. L.C. as identification.

Notary Public, State and County Aforesaid
Roswitha T. Abels
 Notary Signature
ROSWITHA T. ABELS
 Notary Printed Signature

 (Title or Rank)

 (Serial No., if any)



FILE: 200089

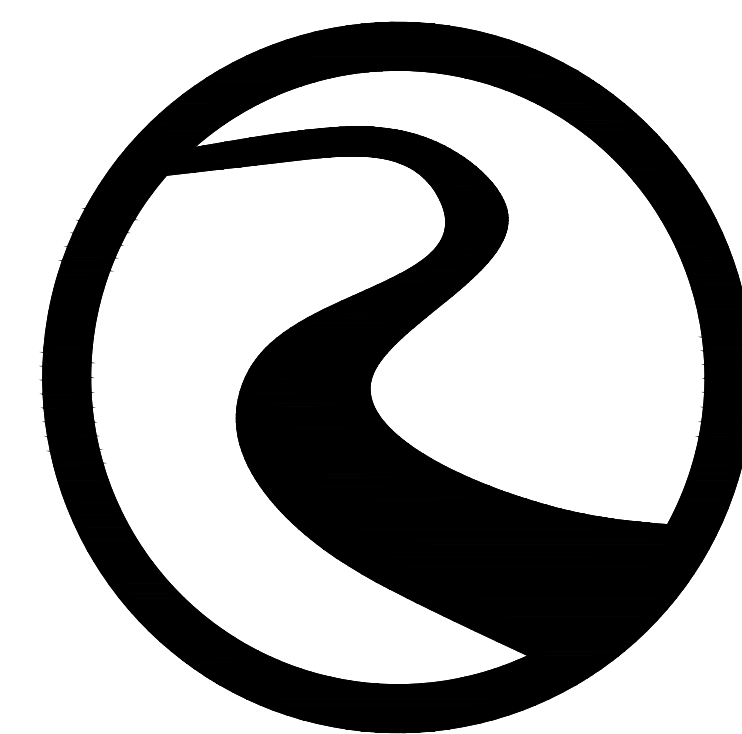
EXHIBIT "A"

Lot 3 of a subdivision of Part Section 30, Township 3 North, Range 28 East, as surveyed by A.S. Sessar, April 11th through the 23rd 1888, and filed for record in Plat Book 1, page 5, said subdivision being part of the Susan Cashen Grant, all in Nassau County, Florida, also described as follows:

Commencing at a found iron pin at the intersection of the easterly right-of-way line of State Highway 200 (A1A), a 90 foot right-of-way as now established and the Southerly right-of-way of an existing 15 foot alley on the southerly side of said Lot 3; thence North 08 degrees 05 minutes 54 seconds West 15.00 feet to the intersection of the Southerly line of said Lot 3 and the easterly right-of-way line of said State Highway 200 (A1A) and the point of beginning; thence North 08 degrees 05 minutes 54 seconds West 501.40 feet along said easterly right-of-way line to the northerly line of said Lot 3; thence with said northerly line of Lot 3, North 85 degrees 15 minutes 11 seconds East 919.01 feet to the northeast corner of said Lot 3; thence South 04 degrees 47 minutes 29 seconds East 494.36 feet to the Southeast corner of said Lot 3; thence South 84 degrees 51 minutes 18 seconds West 890.10 feet along the southerly side of said Lot 3 to the point of beginning. Being the same lands as described as Parcel One in that certain Warranty Deed recorded in Official Records Book 264, page 82, public records of Nassau County, Florida, less right-of-way for said State Highway as recorded in Book 120, page 530, public records of Nassau County, Florida.

**SITE
CONSTRUCTION
PLANS
FERNANDINA FIRST
BAPTIST**

FERNANDINA FIRST BAPTIST CHURCH
1600 S. 8TH STREET
FERNANDINA BEACH



ROBERTS
CIVIL ENGINEERING
WWW.ROBERTSCIVILENGINEERING.COM

301 SEA ISLAND ROAD, SUITE 10
ST. SIMONS ISLAND, GA 31522
912-638-9681

6001 CHATHAM CENTER DRIVE, SUITE 255
SAVANNAH, GA 31405
912-298-7006

14600 WHIRLWIND AVENUE, SUITE 119A
JACKSONVILLE, FL 32218
904-741-0099

4000 FABER PLACE DRIVE, SUITE 300
NORTH CHARLESTON, SC 29405
843-323-4224



VICINITY MAP NTS

FERNANDINA BEACH

FERNANDINA FIRST BAPTIST

OWNER
FERNANDINA FIRST BAPTIST CHURCH
CONTACT
904-753-9056
EMAIL
RON.FLICK@COMPASSGRP.COM

ENGINEER
ROBERTS CIVIL ENGINEERING
CONTACT
SALLY WILLIAMS
swilliams@robertscivilengineering.com
904-741-0099

[illegible]

GENERAL NOTES:

- CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO APPLICABLE FEDERAL, STATE, AND LOCAL LAWS.
- PERMITS NECESSARY FOR CONSTRUCTION SHALL BE OBTAINED BY CONTRACTOR.
- DEVIATIONS FROM PLANS ARE PROHIBITED WITHOUT WRITTEN CONSENT OF THE ENGINEER.
- CONTRACTOR IS TO IMMEDIATELY CONTACT ENGINEER IF ANY UNFORESEEN CONDITIONS OR DISCREPANCIES OCCUR.
- CONTRACTOR SHALL COORDINATE CONSTRUCTION OF UTILITIES ON SITE WITH APPROPRIATE PROVIDER (I.E., POWER, PHONE, CABLE, ETC.).
- ENGINEER IS NOT RESPONSIBLE FOR PHYSICAL CONSTRUCTION OF SITE.
- CONTRACTOR SHALL MAINTAIN A SAFE SITE AND MEET APPROPRIATE REGULATIONS CONCERNING SAFETY.
- SURVEY DATA PROVIDED BY XXXXXXXX.
A. DATE OF SURVEY XXXXXXXX
B. SURVEYOR PROJECT OR FILE NO. XX-XXXX
- EXISTING SURVEY INFORMATION TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY ENGINEER OF DISCREPANCIES IN FIELD OBSERVATIONS VERSUS SURVEY DATA.
- CONTRACTOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION BY CALLING "CALL BEFORE YOU DIG" HOTLINE: 811.
- ACCORDING TO FEMA FLOOD INSURANCE RATEMAPS 12089C0239G DATED 8/2/2017. SITE IS LOCATED IN 100 YEAR FLOODPLAIN IN ZONE X.
- HORIZONTAL DATUM BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH EAST ZONE NAD83.

ADA NOTES:

- CONTRACTOR IS RESPONSIBLE FOR ADHERING TO CURRENT ADA REQUIREMENTS.
- EXTERIOR ACCESSIBLE ROUTE SHALL HAVE A MINIMUM WIDTH OF 3 FEET. IF ACCESSIBLE ROUTE CLEAR WIDTH IS LESS THAN 5 FEET, THEN 5'X5' PASSING SPACES SHALL BE PROVIDED EVERY 200' OR LESS. INTERSECTING SIDEWALKS MEET THIS REQUIREMENT.
- FINISHED SURFACE HEIGHT DIFFERENCE REQUIREMENTS SHALL MEET FOLLOWING:
A. 0 - ¼" NO REQUIREMENTS.
B. ¼"- ½" BEVEL WITH 1:2 SLOPE.
C. GREATER THAN ½" CONFORM TO RAMP REQUIREMENTS.
- RAMPS SHALL MEET FOLLOWING CONSTRAINTS:
A. MAX SLOPE 1:12.
B. MAX RAMP RISE IS 30".
C. MAX RAMP LENGTH IS 30'.
D. MAX CROSS SLOPE IS 2.00%.
- RAMP LANDINGS SHALL MEET FOLLOWING CONSTRAINTS:
A. A MINIMUM 5' LONG LEVEL LANDING AT LEAST AS WIDE AS RAMP SHALL BE PLACED AT TOP AND BOTTOM OF RAMP.
B. LANDING SHALL BE MINIMUM 5'X5' WHERE RAMP CHANGES DIRECTION.
C. LANDINGS SHALL NOT EXCEED A 2.00% SLOPE.
- HANDRAILS SHALL MEET FOLLOWING CONSTRAINTS:
A. IF RAMP RISE IS GREATER THAN 6", THEN HANDRAILS ARE REQUIRED ON BOTH SIDES OF RAMP.
B. MINIMUM OF 12" LONG HANDRAIL EXTENSIONS SHALL BE PROVIDED AT TOP AND BOTTOM OF LANDINGS.

PROJECT NOTES:

- OWNER / DEVELOPER:
A. NAME: FERNANDINA FIRST BAPTIST CHURCH
B. CONTACT: 904-753-9056
C. ADDRESS: 1600 S. 8TH STREET
FERNANDINA BEACH
- COUNTY NAME AND PARCEL / TAX MAP NUMBER(S):
NASSAU COUNTY 00-00-30-0800-0003-0000 / PID (62993360000)
- ZONING CLASSIFICATION: RG-1, C-1
- DEVELOPMENT ORDINANCE:
A. FRONT SETBACK: XX
B. SIDE SETBACK: XX
C. REAR SETBACK: XX
D. BUILDING HEIGHT: XX FEET
- SITE COVERAGE:
A. TOTAL AREA: 15.24 ACRES
B. IMPERVIOUS (ALLOWABLE / PROPOSED): 60% / 31.8%
- PARKING REQUIREMENTS:
A. REQUIRED / PROPOSED: 244 SPACES / 274 SPACES

EARTHWORK AND PAVING:

- UPPER 12 INCHES OF SUBGRADE BELOW PAVEMENT AND BUILDINGS SHALL BE SCARIFIED AND RECOMPACTED TO 100% STANDARD PROCTOR MAX DRY WEIGHT DENSITY WITH A MOISTURE CONTENT WITHIN 2% OF OPTIMUM MOISTURE CONTENT.
- CONTRACTOR TO PROVIDE TEST RESULTS OF SUBGRADE AND BASE COURSE COMPACTION TO ENGINEER INCLUDING VOLUME ESTIMATES OF ANY UNSUITABLE SOILS TO BE REMOVED AND REPLACED THAT WERE IDENTIFIED DURING COMPACTION OPERATIONS PER ITEM NO. 1 ABOVE. IF ANY, CONTRACTOR SHALL NOT PROCEED WITH OVER-EXCAVATION AND REPLACEMENT OF UNSUITABLE SOILS WITHOUT WRITTEN AUTHORIZATION FROM ENGINEER OR OWNER.
- FOR APPROVED AREAS OF OVER-EXCAVATION AND REPLACEMENT, CONTRACTOR TO REMOVE IDENTIFIED UNSUITABLE MATERIAL TO A DEPTH OF 3 FEET AND REPLACE WITH STRUCTURAL FILL.
- IN AREAS WHERE STRUCTURAL FILL IS REQUIRED, FILL SHALL BE PLACED IN LIFTS OF 6 INCHES AND BE COMPACTED TO 100% STANDARD PROCTOR MAX DRY WEIGHT DENSITY. STRUCTURAL FILL SHALL CONSIST OF GRANULAR SOIL CONTAINING LESS THAN 10% MATERIAL PASSING THE NO 200 SIEVE.
- EXCAVATION AND FILL SHALL BE COMPLETED PRIOR TO INSTALLATION OF UTILITIES.

GRADING & DRAINAGE NOTES:

- STORM PIPES SHALL BE JOINED PER DOT SPECIFICATIONS.
- PIPING SHALL BE INSTALLED IN NEW CONDITION.
- A RIGHT-OF-WAY WORK PERMIT MAY BE REQUIRED BEFORE ANY WORK CAN BE DONE IN RIGHT-OF-WAY.
- STORM DRAINAGE PIPING SHALL BE CONSTRUCTED PER FDOT SPECS.
- STORM DRAINAGE PIPING JOINTS SHALL BE WRAPPED IN FILTER FABRIC.
- CONTRACTOR TO REQUEST CONFIRMATION OF LATEST PLAN REVISION DATE FROM ENGINEER IN WRITING PRIOR TO ORDERING MATERIALS.
- IT IS CONTRACTOR'S SOLE RESPONSIBILITY TO REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO ORDERING MATERIALS.

GENERAL WATER NOTES:

- PVC PIPE SHALL BE BLUE IN COLOR. PIPE 4" TO 12" SHALL CONFORM TO REQUIREMENTS OF AWWA C-900, DR 18 PRESSURE CLASS 235 PSI AND SHALL HAVE FOLLOWING MINIMUM WALL THICKNESS:
4" DIA - 0.267"
6" DIA - 0.383"
8" DIA - 0.503"
10" DIA - 0.617"
12" DIA - 0.733"
PIPE LESS THAN 4" IN DIAMETER SHALL CONFORM TO ASTM D-1784 AND D-2241 (SDR 21). PIPE SHALL HAVE A MINIMUM PRESSURE RATING OF 200 PSI. PVC PIPE SHALL BEAR NATIONAL SANITATION FOUNDATION SEAL OF APPROVAL.
- FITTINGS FOR PVC SHALL BE DUCTILE IRON IN ACCORDANCE WITH ANSI A-21.53 (AWWA C-153). FITTINGS SHALL BE CEMENT LINED IN ACCORDANCE WITH ANSI A-21.4 (AWWA C-104). FITTINGS LESS THAN 4" SHALL BE PVC WITH RING TITE RUBBER JOINTS CONFORMING TO ASTM D-3139.
- VALVES SHALL BE INSTALLED IN APPROVED UNDERGROUND VALVE BOXES OF DUCTILE IRON WITH A SUITABLE CRUSHING STRENGTH FOR LOCATION INSTALLED.
- MAINTAIN A 10' HORIZONTAL SEPARATION BETWEEN ANY EXISTING OR PROPOSED WATER MAIN AND SANITARY SEWER, STORM SEWER, OR SEWER MANHOLE.
- WHEN A 10' HORIZONTAL SEPARATION CANNOT BE MAINTAINED, WATER MAIN MAY BE LAID CLOSER TO SEWER PROVIDED THAT WATER MAIN IS LAID IN A SEPARATE TRENCH AT LEAST 18" ABOVE TOP OF SEWER.
- WATER CROSSING A SEWER SHALL BE AT LEAST 18" ABOVE TOP OF SEWER. A FULL LENGTH (SECTION) OF WATER PIPE SHALL BE USED AT THESE CROSSINGS WITH ENDS OF WATER PIPE SECTION AS FAR AWAY FROM SEWER AS POSSIBLE.
- VERIFY SIZE AND LOCATION OF WATER SERVICES PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIALS.
- IF UTILITY CONFLICT IS ENCOUNTERED IN FIELD, SEE UTILITY CONFLICT DETAIL.

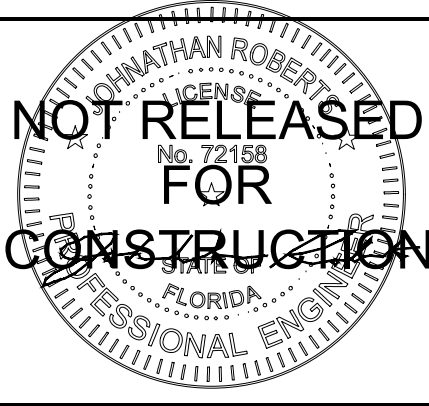
GENERAL SEWER NOTES:

- PVC PIPE SHALL BE POLYVINYL CHLORIDE PLASTIC (PVC) AND SHALL MEET REQUIREMENTS OF ASTM D 3034 SDR 26. DEPTHS LESS THAN 3' SHALL BE DUCTILE IRON PIPE. ASTM D 2321 MUST BE FOLLOWED FOR INSTALLATION OF PVC PIPE. RUBBER RINGS SHALL BE USED FOR CONTRACTION AND EXPANSION AT EACH JOINT. FITTINGS SHALL MEET SAME SPECIFICATION REQUIREMENTS AS PIPE. TESTS ON PVC PIPE SHALL BE DESIGNED TO PASS TESTS AT 73" F. PIPE STANDARD LENGTHS SHALL BE 12.5' (PLUS OR MINUS 1"). PIPE SIZES AND DIMENSIONS SHALL BE AS SHOWN IN THE TABLE BELOW:

NOM SIZE:	OUTSIDE DIA:	MIN WALL THICKNESS:
4"	4.215"	0.162"
6"	6.275"	0.241"
8"	8.400"	0.323"
10"	10.500"	0.404"
12"	12.500"	0.481"
- JOINTS FOR PVC PIPE - SHALL BE INTEGRAL WALL BELL AND SPIGOT WITH A RUBBER RING GASKET. THE JOINTS SHALL CONFORM TO ASTM D 3212 AND GASKETS SHALL CONFORM TO ASTM F 477.
- PRECAST CONCRETE MANHOLES - SHALL BE REINFORCED CONCRETE CONSTRUCTED IN ACCORDANCE WITH ASTM C 478 AND DETAILS SHOWN ON PLANS. JOINTS SHALL BE TONGUE AND GROOVE SEALED WITH FLEXIBLE GASKETS OR MASTIC SEALANT. GASKETS SHALL BE O-RING OR EQUIVALENT TO TYPE A OR B "TYLOX" CONFORMING TO ASTM C 443. MASTIC SHALL BE EQUIVALENT TO "RAM-NEK" WITH PRIMER. CONTACT SURFACES OF MANHOLE JOINT SHALL HAVE PRIMER IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- FRAMES AND COVERS - SHALL BE EQUIVALENT OF NEENAH FOUNDRY CO. R-1668 TYPE "C" LID
- MANHOLE STEPS - SHALL BE EQUIVALENT TO M.A. INDUSTRIES, TYPE PS-1 OF PS-2 OR IMCO REINFORCED PLASTICS, INC. MODEL FRP. STEPS SHALL BE INSTALLED AT MANHOLE FACTORY AND IN ACCORDANCE WITH RECOMMENDATIONS OF STEP MANUFACTURER.
- PIPE CONNECTIONS - SHALL HAVE FLEXIBLE WATERTIGHT JOINTS AT POINT OF ENTRY OF ANY SEWER MAIN INTO MANHOLE. JOINT SHALL BE WEDGED RUBBER SHAPE EQUIVALENT TO "PRESS WEDGE II," OR A RUBBER SLEEVE EQUIVALENT TO "KOR-N-SEAL" OR "LOCK JOINT."
- #12 GAUGE SINGLE STRAND COPPER TRACING WIRE SHALL BE USED OVER ALL FORCE MAIN, SANITARY SEWER, AND SERVICE LATERAL LINES.
- SEWER EXCAVATIONS SHALL BE TO DESIRED DEPTHS SHOWN ON PLANS WITH ADHERENCE TO OCCUPATIONAL AND SAFETY HEALTH ADMINISTRATION'S (OSHA) REGULATIONS. IN AREAS OF UNSUITABLE SOIL CONDITIONS, TRENCH MAY REQUIRE ADDITIONAL EXCAVATION AND BACKFILL WITH SAND, GRAVEL, OR CONCRETE.
- SEWER PIPES SHALL BE LAID UPGRADE WITH SPIGOTS POINTING DOWNGRADE. ASSEMBLY OF JOINTS SHALL COMPLY WITH MANUFACTURER'S RECOMMENDATIONS. SEAL OPEN ENDS OF PIPES IF INSTALLATION IS INTERRUPTED. MANHOLE CONNECTIONS SHALL BE WATER TIGHT WITH USE OF FLEXIBLE WATER STOPS AND RESILIENT CONNECTORS.
- MANHOLES SHALL HAVE A NON-SHRINK GROUT CHANNEL IN BOTTOM THAT IS SMOOTH, ROUNDED, AND SHAPED TO FACILITATE GRAVITY SEWER FLOW TOWARDS OUTGOING PIPE. CHANNEL WIDTH SHALL MATCH PIPING SIZE. INVERT OF CHANNEL SHALL BE UNIFORMLY SLOPED BETWEEN INCOMING AND OUTGOING PIPES. TOP OF BENCH SHALL MATCH TOP OF LARGEST PIPE. SLOPE TOP OF BENCH 1" PER FOOT TOWARDS CHANNEL
- MANHOLE TOP ELEVATIONS SHALL BE GREATER THAN OR EQUAL TO FIFTY (50) YEAR FLOOD ELEVATION, UNLESS WATERTIGHT COVERS ARE PROVIDED. OUTSIDE OF PAVED AREAS, MANHOLE TOP ELEVATION SHALL BE 1' ABOVE GROUND SURFACE IN DEVELOPED AREAS AND 6" ABOVE GROUND SURFACE IN UNDEVELOPED AREAS UNLESS SHOWN OTHERWISE ON PLANS. MANHOLES IN PAVED AREAS SHALL BE BUILT AS DESIGNATED BY ENGINEER. NO LEAKS IN MANHOLES ARE ACCEPTABLE.

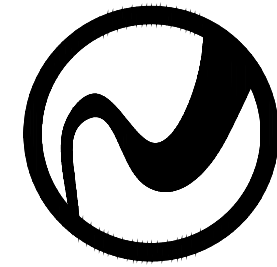
NOTES:

- ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CITY OF PORT WENTWORTH'S LATEST CONSTRUCTION SPECIFICATIONS AND DETAILS. THE SYSTEM SHALL BE DESIGNED AND TESTED PER THE SPECIFICATIONS AND REQUIREMENTS MAINTAINED BY THE CITY ENGINEER.
- AN APPROVED WATER SUPPLY FOR FIRE PROTECTION, EITHER TEMPORARY OR PERMANENT, SHALL BE MADE AVAILABLE AS SOON AS COMBUSTIBLE MATERIAL ARRIVES ON THE SITE.
- ALL WATER USED FOR CONSTRUCTION SHALL BE METERED THROUGH AN APPROVED BACKFLOW-PREVENTION DEVICE AND FIRE HYDRANT METER OBTAINED FROM THE CONVEYANCE AND DISTRIBUTION DEPARTMENT.
- ALL ABANDONED SANITARY SEWER LINES SHALL BE PLUGGED.
- IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE SEWER LINES ARE PLACED WITHIN THE EASEMENTS WITH A MINIMUM 7'-6" AVAILABLE FROM PIPE CENTERLINE TO EASEMENT LINE.
- CONTACT THE UTILITIES PROTECTION CENTER (811 IN GEORGIA OR 1-800-282-7411) FOR LOCATION OF CITY SEWER LINES A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO DIGGING.
- CONTRACTOR SHALL NOTIFY RESIDENTS A MINIMUM OF 24 HOURS IN ADVANCE OF ANY WORK THAT MAY IMPACT THEM, INCLUDING BUT NOT LIMITED TO: PARKING STALL IMPACT, LOSS OF SERVICE, DRIVEWAY CUTS, REMOVAL/RELOCATION OF FENCES AND MAIL BOXES, SIDEWALK IMPACTS, ETC.



11/30/2022

REVISIONS



ROBERTS
CIVIL ENGINEERING
ST. AUGUSTINE, FLORIDA 32080
WWW.ROBERTSCIVILENGINEERING.COM

GENERAL NOTES

FERNANDINA FIRST BAPTIST
FERNANDINA BEACH
PREPARED FOR:
FERNANDINA FIRST BAPTIST CHURCH

DATE: 11/30/2022

PROJECT NUMBER: 22819

DRAWN BY: DM

CHECKED BY: SW

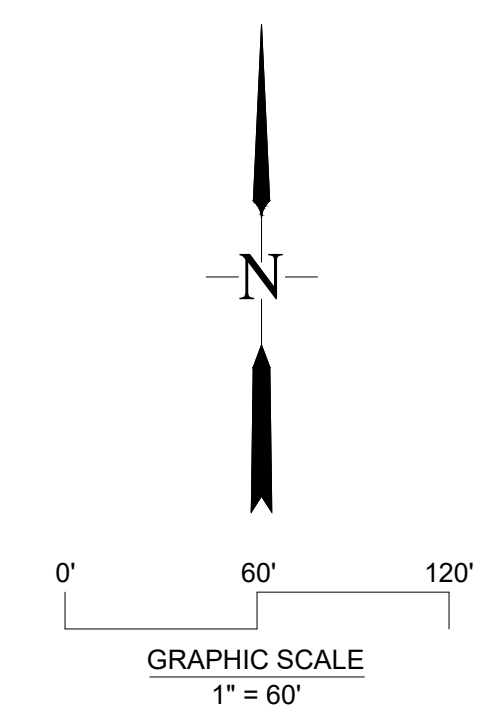
SCALE: NTS

2

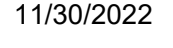
SHEET:



Know what's below.
Call before you dig.



GRAPHIC SCALE
1" = 60'



REVISIONS



ST. SIMONS ISLAND | SAVANNAH | JACKSONVILLE | CHARLESTON
WWW.ROBERTSCIVILENGINEERING.COM

EXISTING CONDITIONS & DEMOLITION PLAN

FERNANDINA FIRST BAPTIST
FERNANDINA BEACH

PREPARED FOR:
FERNANDINA FIRST BAPTIST CHURCH

DATE: 11/30/2022

PROJECT NUMBER: 22819

DRAWN BY: DM

CHECKED BY: SW

SCALE: 1":60' (FOR 24"X36" PLOT)

3

SHEET:



LAND USE	INCORPORATED
ZONING DISTRICT	RG-1, C-1
TOTAL ACREAGE	15.24 ACRES

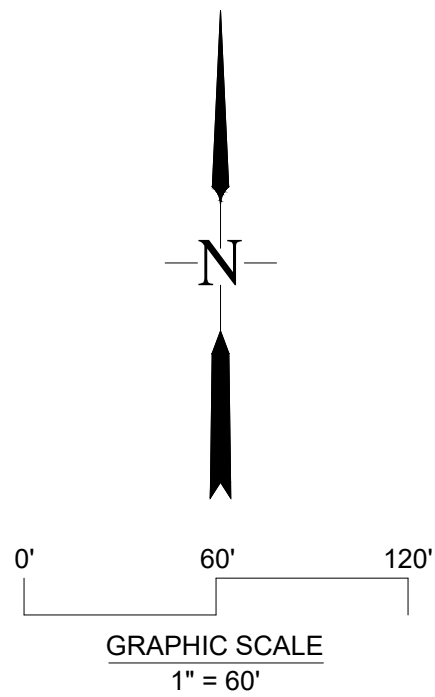
TOTAL SQUARE FOOTAGE OF BUILDING	ORIGINAL: 59,176 SF	ADDITION: 11,853 SF
IMPERVIOUS SURFACE RATIO	PROPOSED: 31.8%	PERMISSIBLE: 60%
FLOOR AREA RATIO	PROPOSED: 10.7%	
PARKING SPACES (1 PER 4 SEATS)*	EXISTING: 244 SPACES	EXISTING/PROPOSED: 274 SPACES

*NO INCREASE IN PARKING CAPACITY REQUIREMENT WITH BUILDING ADDITION

LEGEND	
	PROPOSED BUILDING
	PROPOSED ASPHALT PAVEMENT
	PROPOSED CONCRETE
	EXISTING CONCRETE
	EXISTING ASPHALT PAVEMENT



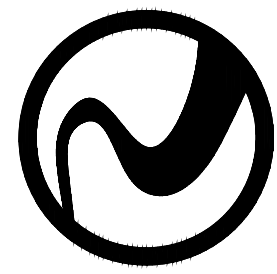
Know what's below.
Call before you dig.



NOT RELEASED
FOR
CONSTRUCTION

11/30/2022

REVISIONS



ROBERTS
CIVIL ENGINEERING
11000 N. W. 11th Ave., Suite 100
Miami, FL 33150
WWW.ROBERTSCIVILENGINEERING.COM

STAKING PLAN

FERNANDINA FIRST BAPTIST
FERNANDINA BEACH
PREPARED FOR:
FERNANDINA FIRST BAPTIST CHURCH

DATE: 11/30/2022

PROJECT NUMBER: 22819

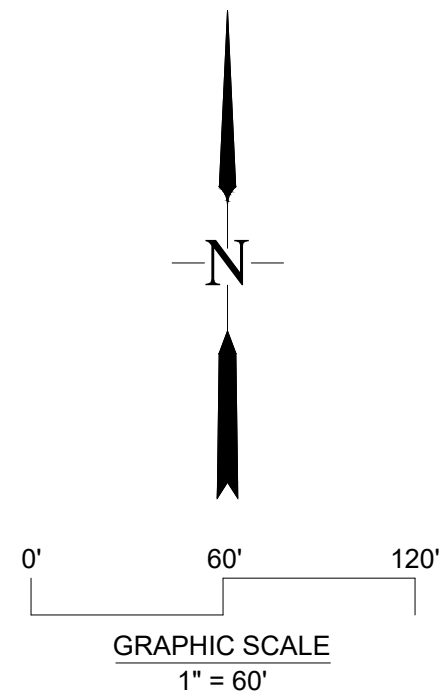
DRAWN BY: DM

CHECKED BY: SW

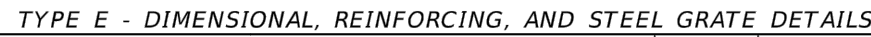
SCALE: 1"=60' (FOR 24"x36" PLT)

4

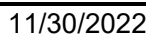
SHEET:



SHEET:



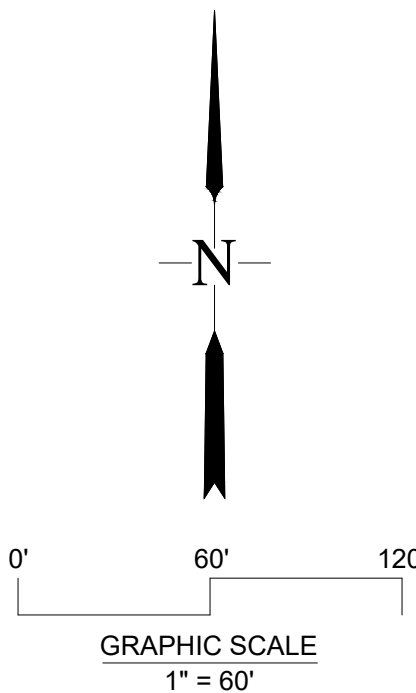
REVISION	DESCRIPTION:	



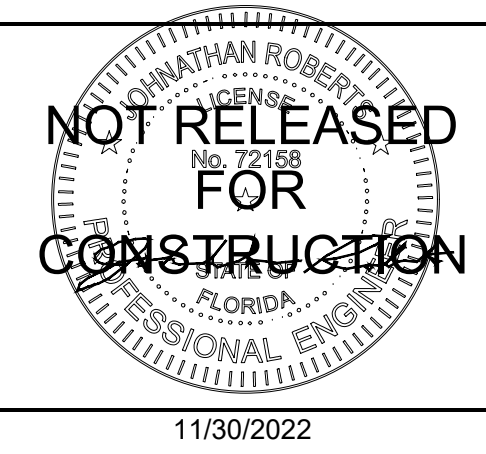
ROBERTS
CIVIL ENGINEERING
ST. SIMONS ISLAND | SAVANNAH | JACKSONVILLE | CHARLESTON
WWW.ROBERTSCIVILENGINEERING.COM

**FERNANDINA FIRST BAPTIST
FERNANDINA BEACH**
PREPARED FOR:
FERNANDINA FIRST BAPTIST CHURCH

SHEET:



- ES&PC LEGEND
- Sd1-S SEDIMENT BARRIER AS NOTED
 - Sd2-G INLET SEDIMENT TRAP GRAVEL BAG
 - Du DUST CONTROL
 - Ds3 PERMANENT SEEDING
 - LOD LIMIT OF DISTURBANCE
 - 29 SOILS
 - CWA CONCRETE WASHDOWN AREA



REVISIONS									



ES&PC PLAN

FERNANDINA FIRST BAPTIST
FERNANDINA BEACH
PREPARED FOR:
FERNANDINA FIRST BAPTIST CHURCH

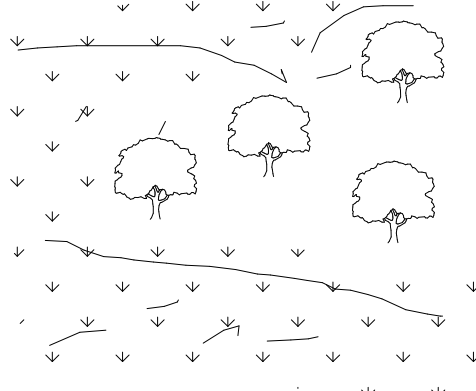
DATE: 11/30/2022
PROJECT NUMBER: 22819
DRAWN BY: DM
CHECKED BY: SW

7

SHEET:

SCALE: 1"=60' (FOR 24"x36" PLOT)

ESTABLISHING A PERMANENT VEGETATIVE COVER WITH FAST GROWING SEEDINGS.



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
- * SPOIL AREAS
- * GULLIED LANDS

DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDINGS) NTS

Ds3

Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

DEFINITION

The planting of perennial vegetation such as trees, shrubs, vines, grasses, or legumes on exposed areas for final permanent stabilization. Permanent perennial vegetation shall be used to achieve final stabilization.

CONDITIONS

Permanent perennial vegetation is used to provide a protective cover for exposed areas including cuts, fills, dunes, and other denuded areas.

SPECIFICATIONS

Grading and Shaping

Grading and shaping may not be required where hydraulic seeding and fertilizing equipment is to be used. Vertical banks shall be sloped to enable plant establishment.

When conventional seeding and fertilizing are to be done, grade and shape where feasible and practical, so that equipment can be used safely and efficiently during seedbed preparation, seeding, mulching and maintenance of the vegetation.

orientations of water that will cause excessive soil erosion shall be diverted to a safe outlet. Diversions and other treatment practices shall conform with the appropriate standards and specifications.

Seedbed Preparation

Seedbed preparation may not be required where hydraulic seeding and fertilizing equipment is to be used. When conventional seeding is to be used, seedbed preparation will be done as follows:

Broadcast plantings

1. Tillage at a minimum, shall adequately loosen the soil to a depth of 4 to 6 inches; alleviate compaction; incorporate lime and fertilizer; smooth and firm the soil; allow for the proper placement of seed, sprigs, or plants; and allow for the anchoring of straw or hay mulch if a disk is to be used.
2. Tillage may be done with any suitable equipment.
3. Tillage should be done on the contour where feasible.

surface shall be pitted or trenched across the slope with appropriate hand tools to provide two places 6 to 8 inches apart in which seed may lodge and germinate. Hydraulic seeding may also be used.

Individual Plants

1. Where individual plants are to be set, the soil shall be prepared by excavating holes, opening furrows, or dibble planting.
2. For nursery stock plants, holes shall be large enough to accommodate roots without crowding.
3. Where pine seedlings are to be planted, subsoil under the row 36 inches deep on the contour four to six months prior to planting. Subsoiling should be done when the soil is dry, preferably in August or September.

Planting

Hydraulic Seeding

Mix the seed (inoculated if needed), fertilizer, and wood cellulose or wood pulp fiber mulch with water and apply in a slurry uniformly over the area to be treated. Apply within one hour after the mixture is made.

Conventional Seeding

Seeding will be done on a freshly prepared and firmed seedbed. For broadcast planting, use a cultipacker seeder, drill, rotary seeder, other mechanical seeder, or hand seeding to distribute the seed uniformly over the area to be treated. Cover the seed lightly with 1/8 to 1/4 inch of soil for small seed and 1/2 to 1 inch for large seed when using a cultipacker or other suitable equipment.

No-Till Seeding

No-till seeding is permissible into annual cover crops when planting is done following maturity of the cover crop or if the temporary cover stand is sparse enough to allow adequate growth of the permanent (perennial) species. No-till seeding shall be done with appropriate no-till seeding equipment. The seed must be uniformly distributed and planted at the proper depth.

Individual Plants

Shrubs, vines and sprigs may be planted with appropriate planters or hand tools. Pine trees shall be planted manually in the subsoil furrow. Each plant shall be set in a manner that will avoid crowding the roots. Nursery stock plants shall be planted at the same depth or slightly deeper than they grew at the nursery. The tips of vines and sprigs must be at or slightly above the ground surface. Where individual holes are dug, fertilizer shall be placed in the bottom of the hole, two inches of soil shall be added and the plant shall be set in the hole.

Mulching

Mulch 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:

1. 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 2 tons per acre. Dry hay shall be applied at a rate of 2 1/2 tons per acre.
2. Wood cellulose mulch or wood pulp fiber shall be used with hydraulic seeding. It shall be applied at the rate of 500 pounds per acre. Drystraw or dry hay shall be applied (at the rate indicated above) after hydraulic seeding.
3. One thousand pounds of wood cellulose or wood pulp fiber, which includes a tackifier, shall be used with hydraulic seeding on slopes 3/4:1 or steeper.
4. Sericea lespedeza hay containing mature seed shall be applied at a rate of three tons per acre.
5. 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.
6. When using temporary erosion control blankets or block sod, mulch is not required.
7. Bituminous treated roving may be applied on planted areas on slopes, in ditches or dry waterways to prevent erosion. Bituminous treated roving shall be applied within 24 hours after an area has been planted. Application rates and materials must meet Georgia Department of Transportation specifications.

Wood cellulose and wood pulp fibers shall not contain germination or growth inhibiting factors. They shall be evenly dispersed when applied in water. The fibers shall contain a dye to allow visual metering and aid in uniform application during seeding.

Applying Mulch

Straw or hay mulch will be spread uniformly within 24 hours after seeding and/or planting. 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.

Wood cellulose or wood fiber mulch shall be applied uniformly with hydraulic seeding equipment.

Anchoring Mulch

Anchor straw or hay mulch immediately after application by one of the following methods:

1. Emulsified asphalt can be (a) sprayed uniformly onto the mulch as it is ejected from the blower machine or (b) sprayed on the mulch immediately following mulch application when straw or hay is spread by methods other than special blower equipment.
2. Hay and straw mulch shall be pressed into the soil immediately after the mulch is spread. A special "packer disk" or disk harrow with the disks set straight may be used. The disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disks shall be dull enough to press the mulch into the ground without cutting it, leaving much of it in an erect position. Mulch shall not be plowed into the soil.
3. Synthetic tackifiers or binders approved by GDOT shall be applied in conjunction with or immediately after the mulch is spread. Synthetic tackifiers shall be mixed and applied according to manufacturer's specifications. Refer to Tackifiers and Binders.
4. Rye or wheat can be included with Fall and Winter plantings to stabilize the mulch. They shall be applied at a rate of one-quarter to one half bushel per acre.
5. Plastic mesh or netting with mesh no larger than one inch by one inch may be needed to anchor straw or hay mulch on unstable soils and concentrated flow areas. These materials shall be installed and anchored according to manufacturer's specifications.

The combination of asphalt emulsion and water shall consist of a homogeneous mixture satisfactory for spraying. The mixture shall consist of 100 gallons of grade SS-1h or CSS-1h emulsified asphalt and 100 gallons of water per ton of mulch.

1. Care shall be taken at all times to protect state waters, the public, adjacent property, pavements, curbs, sidewalks, and all other structures from asphalt discoloration.
2. Hay and straw mulch shall be pressed into the soil immediately after the mulch is spread. A special "packer disk" or disk harrow with the disks set straight may be used. The disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disks shall be dull enough to press the mulch into the ground without cutting it, leaving much of it in an erect position. Mulch shall not be plowed into the soil.
3. Synthetic tackifiers or binders approved by GDOT shall be applied in conjunction with or immediately after the mulch is spread. Synthetic tackifiers shall be mixed and applied according to manufacturer's specifications. Refer to Tackifiers and Binders.
4. Rye or wheat can be included with Fall and Winter plantings to stabilize the mulch. They shall be applied at a rate of one-quarter to one half bushel per acre.
5. Plastic mesh or netting with mesh no larger than one inch by one inch may be needed to anchor straw or hay mulch on unstable soils and concentrated flow areas. These materials shall be installed and anchored according to manufacturer's specifications.

Irrigation shall be applied at a rate that will not cause runoff.

SEEDING RATES FOR PERMANENT SEEDING

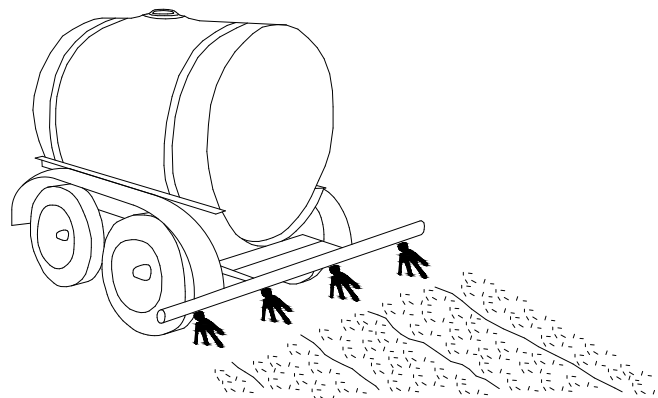
SPECIES	RATE Per 1,000 sq. ft.	RATE Per Acre *	PLANTING DATES **
BAHIA	1.4 POUNDS	60 LBS.	1/1-12/31
BERMUDA	0.2 POUND	10 LBS.	2/15-7/1
CENTIPEDE	BLOCK SOD ONLY	BLOCK SOD ONLY	4/1-7/1
LESPEDeza	1.7 POUNDS	75 LBS.	1/1-12/31
WEEPING LOVEGRASS	0.1 POUND	4 LBS.	2/1-6/15
SWITCH GRASS	0.9 POUND	40 LBS.	3/15-6/1

* Unusual site conditions may require heavier seeding rates.

** Seeding dates may need to be altered to fit temperature variations and conditions.

Du

Dust Control on Disturbed Areas



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.

Table 6-5-1. 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	1500 lbs./ac. 1000 lbs./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	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	0-50 lbs./ac. 1/ —
3. Ground covers	First Second Maintenance	10-10-10 10-10-10 10-10-10	1300 lbs./ac. 3/ 1300 lbs./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	700 lbs./ac. 700 lbs./ac. 4/	—
6. Temporary cover crops seeded alone	First	10-10-10	500 lbs./ac.	30 lbs./ac. 5/
7. Warm season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 800 lbs./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	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50 lbs./ac.6/

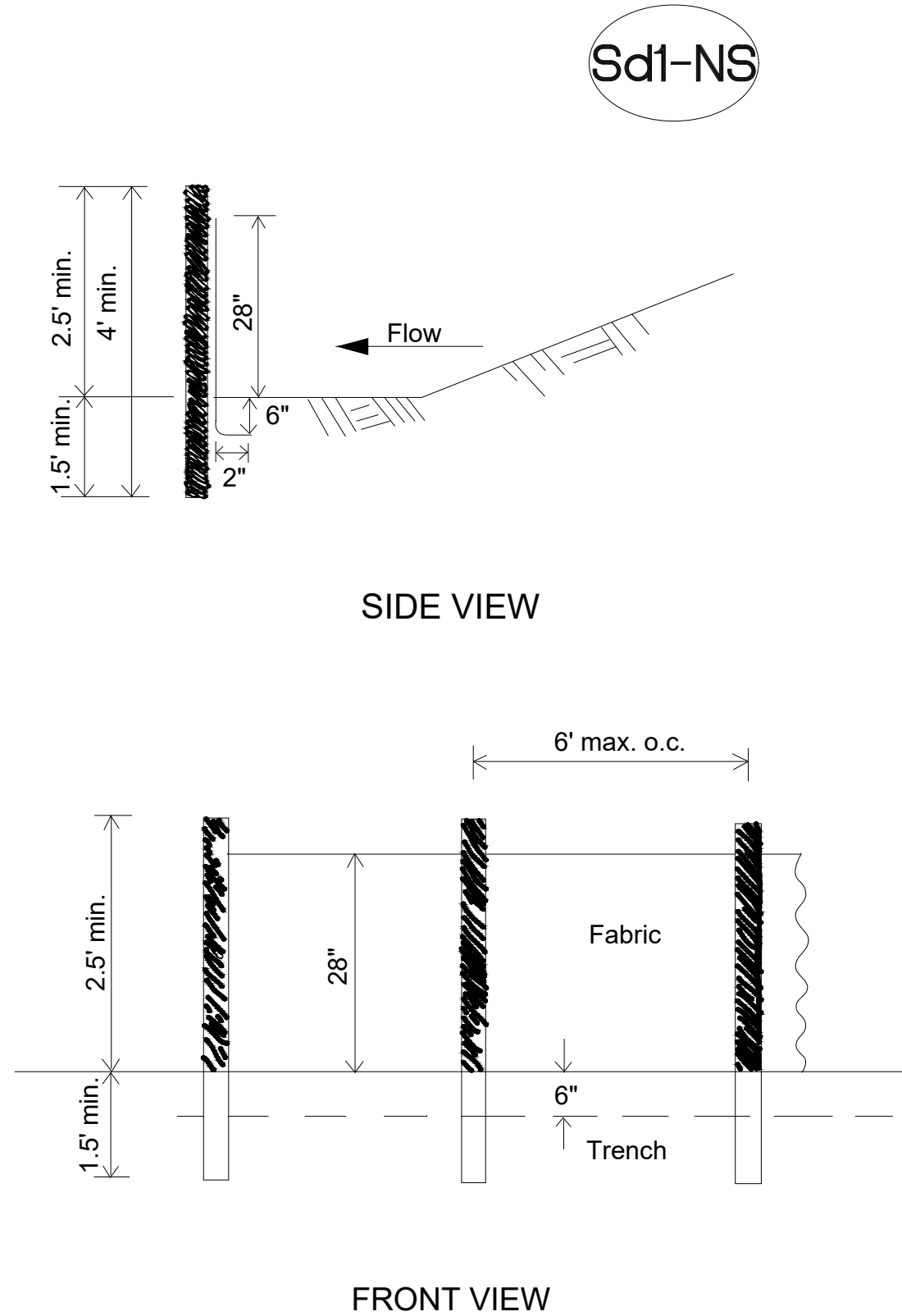
- 1/ Apply in spring following seeding.
- 2/ Apply in split applications when high rates are used.
- 3/ Apply in 3 split applications.
- 4/ Apply when plants are pruned.
- 5/ Apply to grass species only.
- 6/ Apply when plants grow to a height of 2 to 4 inches.

GSWCC 2016 Edition

6-41

	Area	Sowing Season	Species	Seed	Fertilizer	Lime	Mulch-Ds1
Ds3	Flat to rolling terrain with slopes less than 3:1	1/1-3/1 3/2-6/1 6/2-8/1 8/2-12/31	Common Bermuda Common Bermuda Common Bermuda	5 lb/acre unhulled and 5 lb/acre hulled 10 lb/acre unhulled 5 lb/acre unhulled and 5 lb/acre hulled 10 lb/acre unhulled	35 lb/1000 sq. ft. (6-12-12)	1-2 tons/acre	2 tons/acre-dry straw 2.5 tons/acre-dry hay

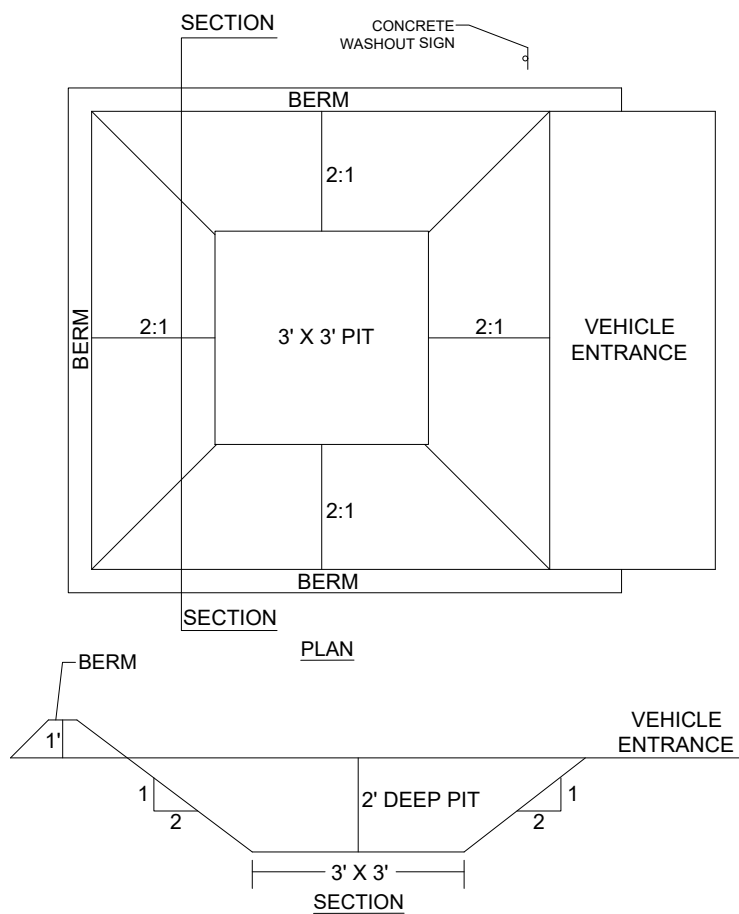
MULCH, LIME, SEEDING AND FERTILIZER APPLICATION RATES



NOTE:
Use 36" D.O.T. approved fabric.
Use wood or steel posts

SILT FENCE - TYPE A OR B

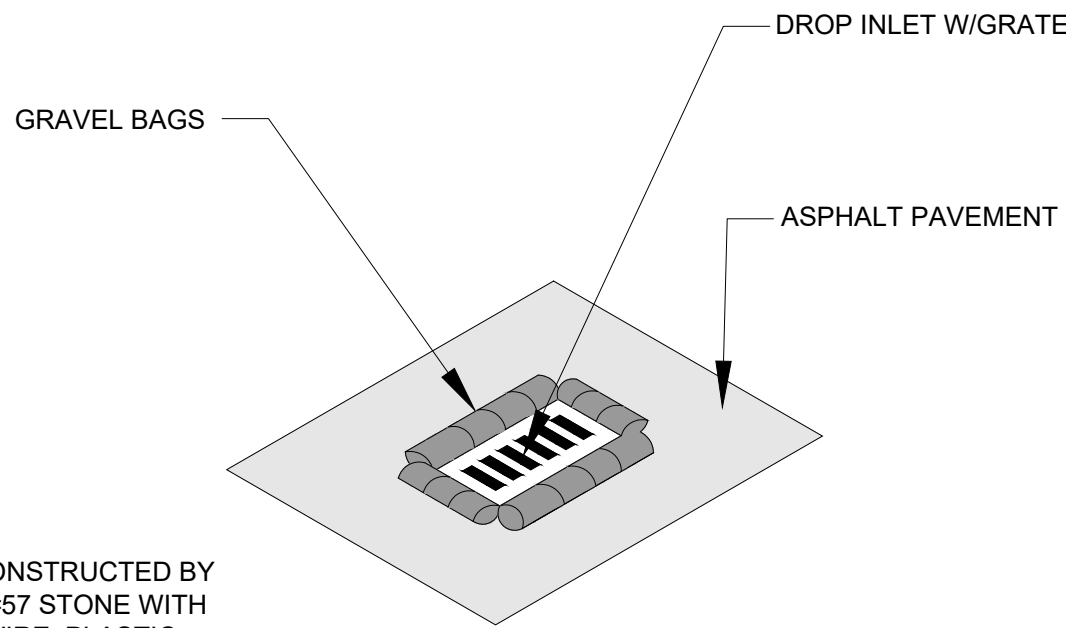
CWA



1. SEE PLAN FOR CWA LOCATION
2. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE
3. EXCAVATED MATERIAL SHALL BE USED FOR BERM CONSTRUCTION
4. THE CWA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIAL ACCUMULATED IN PIT SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 2'.
5. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER TIGHT CONTAINER AND DISPOSED OF PROPERLY.
6. THE CWA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
7. WHEN THE CWA IS REMOVED, COVER THE DISTURBED AREA WITH TOP SOIL, SEED AND MULCH TO STABILIZE.
8. THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (16 MIL MIN. THICKNESS).

CONCRETE WASHOUT AREA NTS

Sd2-G



NOTE:
GRAVEL BAGS CONSTRUCTED BY WRAPPING DOT #57 STONE WITH FILTER FABRIC, WIRE, PLASTIC MESH, OR EQUIVALENT MATERIAL.

INLET SEDIMENT TRAP GRAVEL BAGS NTS

ES&PC DETAILS
FERNANDINA FIRST BAPTIST
FERNANDINA BEACH
PREPARED FOR:
FERNANDINA FIRST BAPTIST CHURCH

DATE: 11/30/2022
PROJECT NUMBER: 22819
DRAWN BY: DM
CHECKED BY: SW
SCALE: NTS

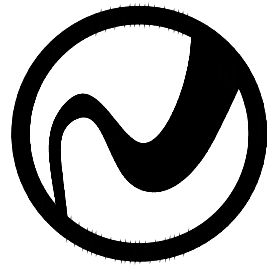
8

SHEET:

NOT RELEASED FOR CONSTRUCTION

11/30/2022

REVISIONS



ROBERTS
CIVIL ENGINEERING
1500 N. W. 10th Ave., Suite 100
Fort Lauderdale, FL 33304
WWW.ROBERTSCIVILENGINEERING.COM