

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
DRAINAGE CONNECTION PERMIT**To be completed by DOT**

Drainage Connection Permit No. 2024-D-292-00018 Date 10/30/2024
 Received By One-Stop Permitting System Maintenance Unit _____
 State Road No. _____ Work Program Project No. _____
 Section No. _____ Construction Project No. _____
 Milepost _____ Station _____

Instructions for Drainage Connection Permit

Pursuant to 14-86.004(5), F.A.C. Once approved by the Department, the drainage connection application and supporting documents become the Drainage Connection Permit.”

Each completed Drainage Connection Permit package shall include the following items. If an item does not apply to your project, indicate “Not Applicable” or “N/A.”

Included	Part	Title	Completed by:	Special Instructions
	1	Permit Information Sheet	Applicant	
✓	2	Certification by a Licensed Professional	Licensed Professional	Signed and Sealed
	3	Certification	Applicant	Signature
	4	Owner's Authorization of a Representative	Owner	Signature
	5	Affidavit of Ownership or Control and Statement of Contiguous Interest	Owner	Signature
	6	Permit General Conditions	FDOT	
	7	Permit Special Conditions	FDOT	
	8	As-Built Certification	Licensed Professional	Signed and Sealed – Submit within 15 working days of completion of construction
	Attachment	Legal Description		
	Attachment	Photographs of Existing Conditions		
✓	Attachment	Location Map		
	Attachment	Grading Plan	Licensed Professional	Signed and Sealed
	Attachment	Soil Borings		
	Attachment	Water Table / Percolation		
✓	Attachment	Calculations		
	Attachment	CD with Electronic Files of all Submittal Items		Scanned Images in pdf format

Note: Different Licensed Professionals may complete parts of the permit package. For example, the Licensed Professional signing and sealing the as-built certification may be different from the Licensed Professional who signed and sealed the calculations for the permit package.

EXCEPTIONS: Activities that qualify for an Exception are listed in Rule 14-86, F.A.C. A permit application to the Department is NOT required. However, if you desire verification whether the work qualifies for an exception, send a completed copy of this permit package with its requested information to the applicable FDOT District Office.

Approved
2024-D-292-00018
Dan Morgan
2/20/2025

PART 1 – Permit Information SheetSelect one: ☒ Permit ☐ Exception**Pursuant to 14-86.002(2), F.A.C. "Applicant means the owner of the adjacent property or the owner's authorized representative."****Applicant**Select one: ☐ Property Owner ☒ Owner's Representative (Complete Part 4)Name: TORI HUMPHRIESTitle and Company: NFPSAddress: PO Box 3823City: Lake City State: Florida Zip: 32056Telephone: (386) 752-4675 ext. _____ FAX: _____ Email: thumphries@nfps.net**Property Owner (If not applicant)**Name: Michael WoodsTitle and Company: OwnerAddress: 520 SW Steedley DrCity: Lake City State: Florida Zip: 32024Telephone: (407) 436-4618 ext. _____ FAX: _____ Email: mike@thewoodslakecity.com**Applicant's Licensed Professional**Name: Robert Phillip Bishop Jr. Florida License Number: 38546Title and Company: Vicepresident, NFPSAddress: PO Box 3823City: Lake City State: Florida Zip: 32056Telephone: (386) 752-4675 ext. _____ FAX: _____ Email: pbishop@nfps.net**Project Information:**Project Name: The Woods @ SR 247 & I-75Location: Lake City

STREET	SR. NO.	US HWY NO.	CITY
<u>Columbia</u>	<u>02</u>	<u>4S</u>	<u>16</u>
COUNTY	SECTION(S)	TOWNSHIP(S)	RANGE(S)

Geographic Coordinates: Latitude (DMS.SSS): 0 Longitude (DMS.SSS): 0Benchmark Horizontal Datum: (/ _____) State Plane Coordinates: Northing 0 Easting: 0Projection Zone: ☒ Florida North ☐ Florida East ☐ Florida West

Coordinate shall be the center of the driveway intersection with FDOT R/W, or, if there is no driveway connection, near the center of the property line nearest the state highway.

*Check with the FDOT Office for requirement.

Approved
2024-D-292-00018
Dan Morgan
2/20/2025

Brief description of facility and proposed connection:

The proposed project consists of a commercial development located South of the State Road 247 and I-75 interchange.

Briefly describe why this activity requires a Drainage Connection Permit (Include where the stormwater will discharge to FDOT right of way):

The proposed project consists of a commercial development located South of the State Road 247 and I-75 interchange.

Approved
2024-D-292-00018
Dan Morgan
2/20/2025

PART 2 – Certification by a Licensed Professional

In accordance with Rule 14-86, Florida Administrative Code (F.A.C.), I hereby certify that the following requirements are and/or will be met.

This project has been designed in compliance with all applicable water quality design standards as required by state or federal governmental entity(ies).

14-86.004(3)(f) (F.A.C.): Certification by a Licensed Professional that the complete set of plans and computations complies with one of the following Rules Sections:

☒ 14-86.003(2)(a) (F.A.C.), or ☐ 14-86.003(2)(b) (F.A.C). (check one)

I further certify that a National Pollutant Discharge Elimination System (NPDES) permit for stormwater discharges associated with industrial activity from construction sites

☒ is required ☐ is not required. (check one)

I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

This certification shall remain valid for any subsequent revision or submittal of plans, computation or other project documents by me.

Name of Licensed Professional: Robert Phillip Bishop Jr.

Florida License Number: 38546

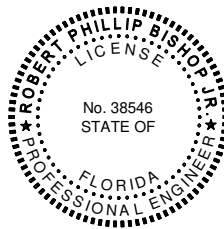
Company Name (if applicable): NFpS

Certificate of Authorization Number (if applicable): _____

Address: PO Box 3823

City: Lake City State: Florida Zip: 32025

Telephone: (386) 752-4675 ext. _____ Fax: _____ Email: pbishop@nfps.net



Robert P Bishop
Digitally signed by Robert P Bishop
DN: cn=Robert P Bishop,
o=NFpS, ou=NFpS, email=pbishop@nfps.net,
c=US

Signature of Licensed Professional

Date

(Affix Seal)

Approved
2024-D-292-00018
Dan Morgan
2/20/2025

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
DRAINAGE CONNECTION PERMIT**PART 3 – Certification by Applicant**

I hereby certify that the information in this submittal is complete and accurate to the best of my knowledge.

Applicant's Signature: Tori Humphries Date: 10/24/24Name (Printed): TORI HUMPHRIESTitle and Company: NFPSAddress: PO Box 3823, Lake City, Florida 32056Phone Number: (386) 752-4675 ext. _____ E-mail address: thumphries@nfps.net**PART 4 – Owner's Authorization of a Representative**I (we), the owner, Michael Woods, do hereby authorize the following person, or entity, as my representative:Name (Printed): TORI HUMPHRIESTitle and Company: NFPSAddress: PO Box 3823, Lake City, Florida 32056Phone Number: (386) 752-4675 ext. _____ E-mail address: thumphries@nfps.net**Part 5 – Affidavit of Property Ownership or Control and Statement of Contiguous Interest**I, Michael Woods, certify that I own or lawfully control the following described property:

The proposed project consists of a commercial development located South of the State Road 247 and I-75 interchange.

Does the property owner own or have any interests in any adjacent property?

☒ No ☐ Yes If yes, please describe.**Owner's Signature required for Parts 4 and/or 5**

We will not begin on the drainage connection until I receive the Permit and I understand all the conditions of the Permit. When work begins on the connection, I am accepting all conditions listed in the Permit.

Name (Printed): Michael WoodsAddress: 520 SW Steedley Dr, Lake City, Florida 32024Phone Number: (407) 436-4618 ext. _____Signature: Michael Woods Date: 10/28/24Approved
2024-D-292-00018
Dan Morgan
2/20/2025

PART 6 – Permit General Conditions

1. This permit is a license for permissive use only and does not convey any property rights either in real estate or material, or any exclusive privilege and it does not authorize any injury to private property or invasion of private rights, or any infringement of Federal, State or local laws, rules or regulations; nor does it obviate the necessity of obtaining any required state or local approvals.
2. The drainage connection as authorized herein shall be constructed and thereafter maintained in accordance with the documents attached hereto and incorporated by reference herein. All work performed in the Department's right of way shall be done in accordance with the most current Department standards, specifications and the permit provisions. Such construction shall be subject to the inspection and approval of the Department, and the Department may at any time make such inspections as it deems necessary to assure that the drainage connection is in compliance with this permit.
3. The entire expense of construction within the Department right of way, including replacement of existing pavement or other existing features, shall be borne by the permittee.
4. The permittee shall maintain that portion of the drainage connection authorized herein located on permittee's property in good condition. The Department shall maintain that portion of the drainage connection authorized herein located within its right of way.
5. If the drainage connection is not constructed, operated or maintained in accordance with this permit, the permit may be suspended or revoked. In this event modification or removal of any portion of the drainage connection from the Department's right of way shall be at the permittee's expense.
6. The Department reserves the right to modify or remove the drainage connection to prevent damage or in conjunction with road improvements.
7. It is understood and agreed that the rights and privileges herein set out are granted only to the extent of the Department's right, title, and interest in the land to be entered upon and used by the permittee, and the permittee will, at all times, assume all risk of and indemnify, defend and save harmless the Department from and against any and all loss, damage, cost or expense arising in any manner on account of the exercise or attempted exercises by said permittee of these rights and privileges, regardless of the respective degrees of fault of the parties.
8. Utilities, including gas lines, may exist within the right of way. Prior to beginning work the permittee shall contact Sunshine State One Call of Florida, Inc at 811 or 800-432-4770, who will notify all utility owners near the scheduled project. The utility owners have two (2) full business days to provide locations of their respective facilities. The permittee shall be solely responsible for any damage to or conflicts with gas lines, utilities and/or third persons.
9. The permittee shall notify the Department of Transportation Maintenance Office located at _____ Phone _____ 48 hours in advance of starting any work on the drainage connection authorized by this permit and also 24 hours prior to any work within the Department's right of way. Construction of any work on the right of way shall be completed within _____ days after such notification. If such construction is not completed within _____ days after such notification, the permittee shall notify the Department of the anticipated completion date.
10. This permit shall expire if construction on the drainage connection is not begun within one year from the date of approval and if construction on the drainage connection is not completed by (Date) 2/20/2026.
11. A permittee may request an extension of the Drainage Connection Permit expiration date by filing a written request for a permit time extension. All requests for time extensions must be received by the Department 15 working days prior to the expiration date.
12. All the provisions of this permit shall be binding on any assignee or successor in interest of the permittee.

Approved
2024-D-292-00018
Dan Morgan
2/20/2025

PART 7 – Permit Special Conditions – To be completed by FDOT

The above request has been reviewed and has been found to meet the regulations as prescribed in Rule 14-86, F.A.C., and is hereby approved, subject to the following special conditions:
 Notify the permit office a min. of 48hrs prior to any work in the FDOT R/W.

Department of Transportation:

Signature Dan Morgan

Title MAINTENANCE MANAGER/PERMITS

Date 2/20/2025

Approved
 2024-D-292-00018
 Dan Morgan
 2/20/2025

PART 8 – As-Built Certification

Within 15 working days of completion of construction, you must send this certification to the Department office in which you filed your DOT Drainage Permit.

1. STORMWATER FACILITY INFORMATION

Permit No.: _____

Source (Project) Name: _____

Source Location: Street _____

City: _____ County: _____

Source Owner: _____

Owner Address: _____

2. AS-BUILT CERTIFICATION

I hereby certify that this stormwater facility has been built substantially in accordance with the certified design plans, and that any substantial deviations (noted below) will not prevent the facility from functioning in compliance with the requirements of Chapter 14-86 F.A.C. when properly maintained and operated. These determinations have been based upon on-site observation of construction, scheduled and conducted by me or by a project representative under my direct supervision.

Name of Licensed Professional: _____

Florida License Number: _____

Company Name (if applicable): _____

Certificate of Authorization Number (if applicable): _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____ Fax: _____ Email: _____

Signature of Licensed Professional_____
Date

(Affix Seal)

Substantial deviations from the approved plans and specifications (attach additional sheets if required).

2025-02-03 18
Dan Morgan
2/20/2025

ADDITIONAL WORK LOCATIONS:

Street / State Road ID / US Hwy Number: SR 247

City:

County: Columbia

Sections: 090

Township(s):

Range(s):

Latitude: 30.1588672199495 Longitude: -82.6870298681623

Horizontal Datum:

State Plane Coordinate: Northing: 0

State Plane Coordinate: Easting: 0

Projection Zone:

Is on Turnpike: No

Approved
2024-D-292-00018
Dan Morgan
2/20/2025

A map of the state of Florida with its county boundaries outlined in black. Columbia County, located in the north-central part of the state, is highlighted in a solid gray color. To the left of the map, the words "COLUMBIA" and "COUNTY" are stacked vertically in a large, bold, black, sans-serif font.

PROJECT LOCATION



SITE COVER	C-1
SIGNATURE SHEET	C-2
NOTES	C-3
EROSION NOTES	C-4
PAVEMENT TYPICALS	C-5
SITE PLAN	C-6
EROSION CONTROL PLAN	C-7
GRADING PLAN	C-8
DRAINAGE PLAN	C-9
LANDSCAPE PLAN	C-10
DETAILS	C-11
FIRE ACCESS PLAN	C-12

BOUNDARY	S-1
TOPOGRAPHY	S-2

MICHAEL WOODS
520 SW STEEDLEY DRIVE
LAKE CITY, FLORIDA
(407)436-4618

REVISIONS	
DATE	DESCRIPTION



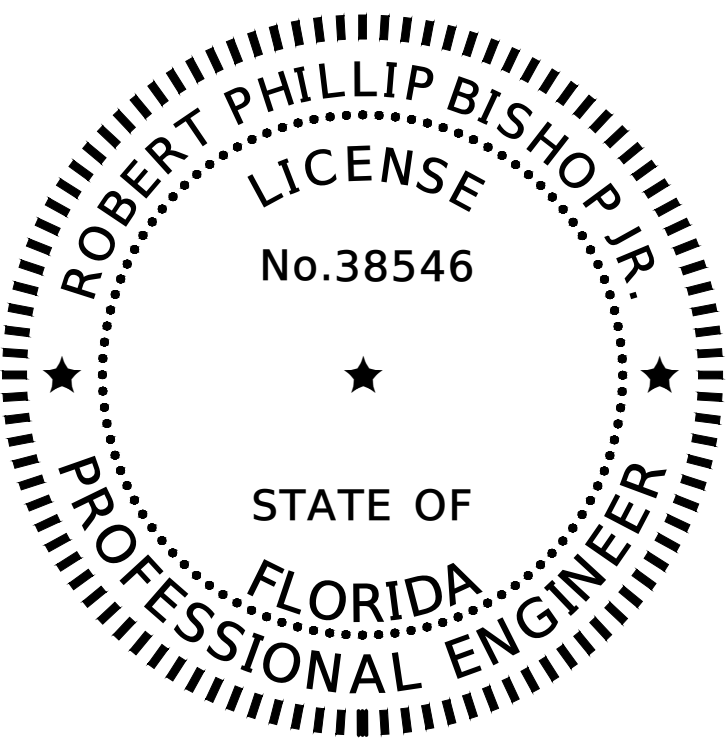
**P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356**

JOB NUMBER:
L210802SPA
EOR:
ROBERT PHILLIP
BISHOP JR.
P.E. NO.:
38546

**SHEET
NO.**

C-1

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY ROBERT PHILLIP BISHOP JR. ON THE DATE ADJUNCT TO THE SEAL.
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



THIS DOCUMENT HAS BEEN DIGITALLY
SIGNED AND SEALED BY:
Robert P Bishop

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE
NOT CONSIDERED SIGNED AND SEALED.
THE SIGNATURE MUST BE VERIFIED
IN THE ELECTRONIC DOCUMENTS.

NORTH FLORIDA PROFESSIONAL SERVICES INC.
P.O. BOX 3823
LAKE CITY, FL 32056
CERTIFICATE OF AUTHORIZATION: 29011
ROBERT PHILLIP BISHOP JR., P.E. NO. 38546

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN
ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET INDEX

SITE COVER	C-1
SIGNATURE SHEET	C-2
NOTES	C-3
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FIRE ACCESS PLAN	C-12

REVISIONS			NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 3823 LAKE CITY, FL 32056 PH. 386-752-4675 LIC NO. LB8356 2551 BLAIRSTONE PINES DR. TALLAHASSEE, FL 32301 WWW.NFPS.NET CA# 29011	JOB NUMBER: L210802SPA EOR: ROBERT PHILLIP BISHOP JR. P.E. NO.: 38546	SIGNATURE SHEET THE WOODS COLUMBIA COUNTY, FLORIDA	SHEET NO.
DATE	DESCRIPTION					
						C-2

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE TO ENSURE THAT ALL NEW WORK WILL FIT IN THE MANNER INTENDED ON THE PLANS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE CITY OF LAKE CITY, FLORIDA (DEPARTMENT OF GROWTH MANAGEMENT) OF SUCH DIFFERENCES IMMEDIATELY AND PRIOR TO PROCEEDING WITH THE WORK.
2. THE CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS AS SET FORTH BY THE ISSUED SUWANNEE RIVER WATER MANAGEMENT DISTRICT ENVIRONMENTAL RESOURCE PERMIT, FLORIDA DEPARTMENT OF TRANSPORTATION DRIVEWAY CONNECTION PERMIT, STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL, AND STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM (OSTDS).
3. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE IN A SECURE MANNER. ALL OPEN TRENCHES AND EXCAVATED AREAS SHALL BE PROTECTED FROM ACCESS BY THE GENERAL PUBLIC.
4. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE ENGINEER.
5. THE SITE IS LOCATED IN SECTION 02, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.
6. THE CONTRACTOR SHALL IMPLEMENT ALL COMPONENTS OF THE EROSION AND SEDIMENTATION CONTROL PLAN PRIOR TO ANY EARTH DISTURBING ACTIVITIES. ALL COMPONENTS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL ALL VEGETATION IS ESTABLISHED, THE ENTIRE PROJECT AREA IS STABILIZED AND THE OWNER HAS ACCEPTED OPERATION AND MAINTENANCE.
7. ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDED WITH A MIXTURE OF LONG-TERM VEGETATION AND QUICK GROWING SHORT-TERM VEGETATION FOR THE FOLLOWING CONDITIONS. FOR THE MONTHS FROM SEPTEMBER THROUGH MARCH, THE MIX SHALL CONSIST OF 70 POUNDS PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF WINTER RYE. FOR THE MONTHS OF APRIL THROUGH AUGUST, THE MIX SHALL CONSIST OF 70 PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF MILLET.
8. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. CONTRACTOR SHALL PROTECT ALL UTILITIES WITHIN THE PROJECT AREAS.
9. ALL SITE CONSTRUCTION SHALL BE IN ACCORDANCE WITH COLUMBIA COUNTY LAND DEVELOPMENT REGULATIONS.
10. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS WITHIN PROJECT AREA.
11. CONTRACTOR SHALL PROVIDE ACTUAL INVERT ELEVATIONS ON ALL DRAINAGE STRUCTURES, INCLUDING CULVERTS, PRIOR TO PLACING ANY BASE MATERIAL. DEVIATIONS FROM THE PLANS SHALL BE APPROVED BY THE ENGINEER BEFORE CONTINUING WORK.
12. IF UNSUITABLE MATERIAL IS ENCOUNTERED DURING GRADING, CONTRACTOR SHALL REMOVE UNSUITABLE MATERIAL TO A DEPTH OF 24" BELOW FINISHED GRADE WITHIN THE CONSTRUCTION LIMITS.
13. THE CONTRACTOR SHALL SUBMIT A NOTICE OF CONSTRUCTION COMMENCEMENT TO THE WATER MANAGEMENT DISTRICT AT LEAST 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.
14. ALL CONCRETE SLABS ABUTTING EXTERIOR WALLS SHALL BE SOIL TREATED FOR TERMITES.
15. ALL UTILITY AND/OR DRAINAGE STRUCTURES SHALL BE PRECAST UNLESS APPROVED BY THE ENGINEER. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO PROCUREMENT.
16. CONTRACTOR SHALL COORDINATE WITH THE LANDSCAPE CONTRACTOR ON IRRIGATION PLAN FOR LANDSCAPED AREAS.

SITE DATA TABLE					
The Woods					
PARCEL ID NUMBER	02-4S-16-02719-000				
ZONING	COMMERICAL INTENSIVE				
LAND USE	COMMERICAL				
CITY COUNCIL DISTRICT NUMBER	DISTRICT 3				
PHYSICAL ADDRESS	149 SW WOOLSEY LN, LAKE CITY, FL				
PROJECT PROPERTY BOUNDARY		SQ. FT.	ACRES	% OF SITE	% OF LOC
	TOTAL PROPERTY BOUNDARY AREA	290602	6.67	100.00%	100.00%
PROJECT AREA / LIMITS OF CONSTRUCTION (LOC)		290602	6.67	81.04%	100.00%
BOTH ON-SITE & OFF-SITE		290602	6.67	81.04%	100.00%
EXISTING IMPERVIOUS AREA ON-SITE					
	EXISTING ASPHALT PAVEMENT	0	0.00	0.00%	0.00%
	EXISTING CONCRETE	0	0.00	0.00%	0.00%
	EXISTING BUILDING	0	0.00	0.00%	0.00%
	EXISTING STORMWATER MANAGEMENT FACILITY	53841	1.24	18.53%	18.53%
	TOTAL EXISTING IMPERVIOUS AREA ON-SITE	53841	1.24	18.53%	18.53%
PROPOSED IMPERVIOUS AREA ON-SITE					
	EXISTING ASPHALT PAVEMENT TO REMAIN	0	0.00	0.00%	0.00%
	EXISTING CONCRETE TO REMAIN	0	0.00	0.00%	0.00%
	EXISTING BUILDING TO REMAIN	0	0.00	0.00%	0.00%
	EXISTING STORMWATER MANAGEMENT FACILITY TO REMAIN	53841	1.24	18.53%	18.53%
	PROPOSED ASPHALT PAVEMENT	52206	1.20	17.96%	17.96%
	PROPOSED CONCRETE	0	0.00	0.00%	0.00%
	PROPOSED BUILDING	4320	0.10	1.49%	1.49%
	PROPOSED STORMWATER MANAGEMENT FACILITY	0	0.00	0.00%	0.00%
	TOTAL PROPOSED IMPERVIOUS AREA ON-SITE	110368	2.53	37.98%	37.98%
	TOTAL PROPOSED PERVIOUS AREA ON-SITE	180234	4.14	62.02%	62.02%
	TOTAL PERMITTED IMPERVIOUS BY SRWMD	126324	2.90	43.50%	
TOTAL RESIDUAL PERMITTED IMPERVOUS BY SRMD		16117	0.37	5.50%	
REQUIRED PARKING LANDSCAPE AREA ON-SITE		5221	0.12	1.80%	1.80%
PROPOSED PARKING LANDSCAPE AREA ON SITE		6247	0.14	2.15%	2.15%
REQUIRED PARKING		64 SPACES + 1 H.C. SPACES			
PROVIDED PARKING		113 SPACES + 6 H.C. SPACES			

REVISIONS			NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 3823 LAKE CITY, FL 32056 PH. 386-752-4675 LIC NO. LB8356 2551 BLAIRSTONE PINES DR. TALLAHASSEE, FL 32301 WWW.NFPS.NET CA# 29011	JOB NUMBER: L210802SPA EOR: ROBERT PHILLIP BISHOP JR. P.E. NO.: 38546	NOTES THE WOODS COLUMBIA COUNTY, FLORIDA	SHEET NO.
DATE	DESCRIPTION					
						C-3

Keegan Renick

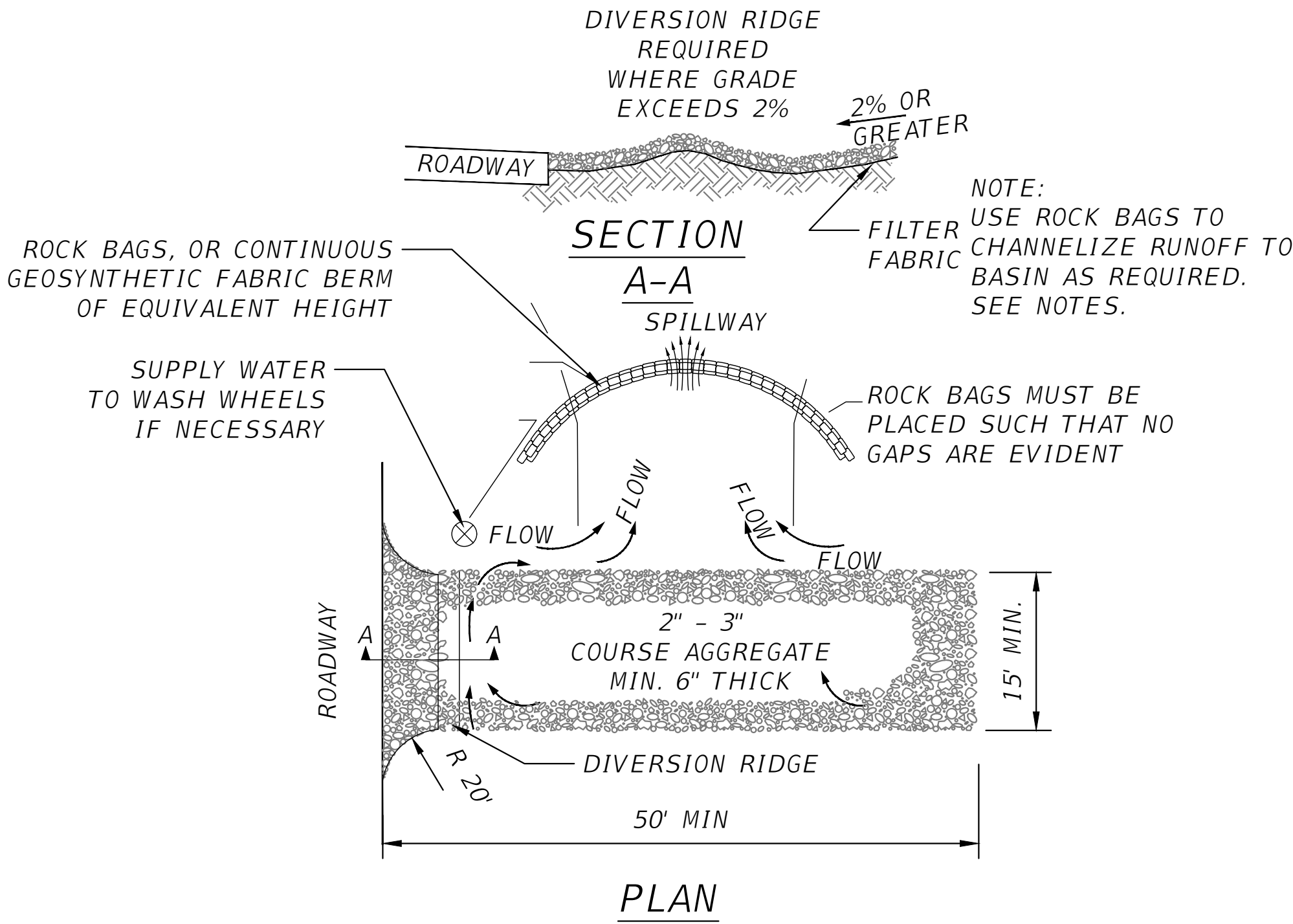
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X:\2021\L210802SPA\H.CADD\Roadway\KEYSRD_Container-Park_01.dwg

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY ROBERT PHILLIP BISHOP JR., ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

EROSION CONTROL NOTES

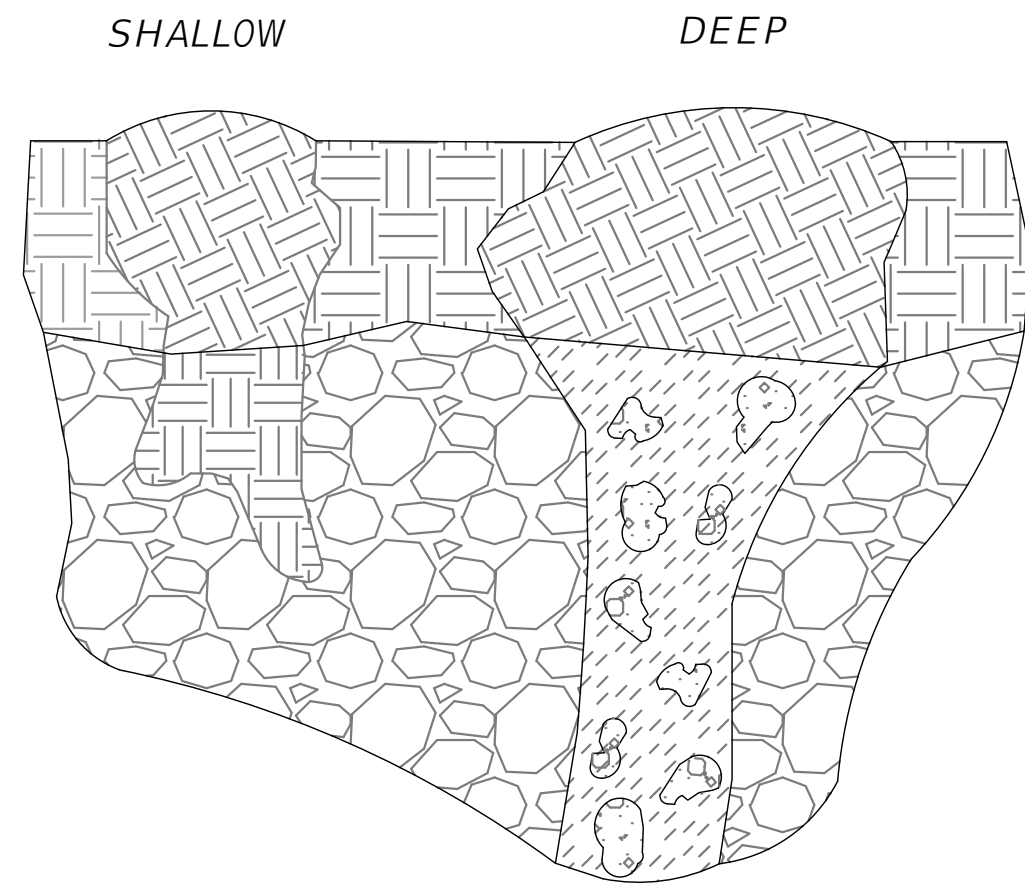
1. THIS EROSION AND SEDIMENTATION CONTROL PLAN COMPLIES WITH THE REQUIREMENTS OF THE "FLORIDA DEVELOPMENT MANUAL" AND THE "FLORIDA EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL".
2. THE CONTRACTOR SHALL ADHERE TO COLUMBIA COUNTY, SRWMD, AND OTHER GOVERNING AUTHORITIES FOR EROSION AND SEDIMENT CONTROL REGULATIONS. IF THE CONTRACTOR NEEDS TO CHANGE THIS PLAN TO MORE EFFECTIVELY CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR SHALL USE BMP's FROM THE "FLORIDA EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL".
3. THE CONTRACTOR SHALL ADJUST AND REVISE THIS PLAN TO MEET ACTUAL FIELD CONDITIONS. ANY REVISIONS SHALL BE APPROVED BY THE REVIEWING AGENCIES.
4. SEDIMENT AND EROSION CONTROL FACILITIES, STORM DRAINAGE FACILITIES AND DETENTION BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
5. EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL OF 0.5 INCHES OR GREATER, AND REPAIRED OR REPLACED AS NECESSARY.
6. SEDIMENT AND EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE AND UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED.
7. ALL OPEN DRAINAGE SWALES SHALL BE GRASSED AND RIPRAP SHALL BE PLACED AS REQUIRED TO CONTROL EROSION.
8. SILT FENCES SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT AND EROSION FROM LEAVING PROJECT LIMITS.
9. CONTRACTOR SHALL PLACE A DOUBLE ROW OF SILT FENCE IN AREAS WHERE RUNOFF FROM DISTURBED AREAS MAY ENTER WETLANDS.
10. DURING CONSTRUCTION AND AFTER CONSTRUCTION IS COMPLETE, ALL STRUCTURES SHALL BE CLEANED OF ALL DEBRIS AND EXCESS SEDIMENT.
11. ALL GRADED AREAS SHALL BE STABILIZED IMMEDIATELY WITH A TEMPORARY FAST-GROWING COVER AND/OR MULCH.
12. A PAD OF RUBBLE RIP RAP SHALL BE PLACED AT THE BOTTOM OF ALL COLLECTION FLUMES AND COLLECTION PIPE OUTLETS. GRANITE OR LIMESTONE RIPRAP IS REQUIRED, NO BROKEN CONCRETE WILL BE ACCEPTED.
13. ALL SIDE SLOPES STEEPER THAN 3:1 SHALL BE ADEQUATELY PROTECTED FROM EROSION THROUGH THE USE OF SYNTHETIC BALES OR SODDING.
14. ALL STABILIZATION PRACTICES SHALL BE INITIATED AS SOON AS PRACTICABLE IN AREAS OF THE JOB WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY STOPPED, BUT IN NO CASE SHALL THE DISTURBED AREA BE LEFT UNPROTECTED FOR MORE THAN SEVEN DAYS.
15. ALL WASTE GENERATED ON THE PROJECT SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY CONTRACTOR.
16. LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPS.
17. EXCESS DIRT SHALL BE REMOVED DAILY.
18. THIS PROJECT SHALL COMPLY WITH ALL WATER QUALITY STANDARDS. PERMIT REQUIRED FROM SRWMD HAS BEEN OBTAINED.
19. QUALIFIED PERSONNEL SHALL INSPECT THE AREA USED FOR STORAGE OF STOCKPILES, THE SILT FENCE AND STRAW BALES, THE LOCATION WHERE VEHICLES ENTER OR EXIT THE SITE, AND THE DISTURBED AREAS THAT HAVE NOT BEEN FINALLY STABILIZED, AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM OF 0.5 INCHES OR GREATER.
20. SITES THAT HAVE BEEN FINALLY STABILIZED WITH SOD OR GRASSING SHALL BE INSPECTED AT LEAST ONCE EVERY WEEK.



NOTES:

- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
- WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
- ROCK BAGS OR SANDBAGS SHALL BE PLACED SUCH THAT NO GAPS ARE EVIDENT.

ER04 TEMPORARY CONSTRUCTION ENTRANCE
SCALE: N.T.S.

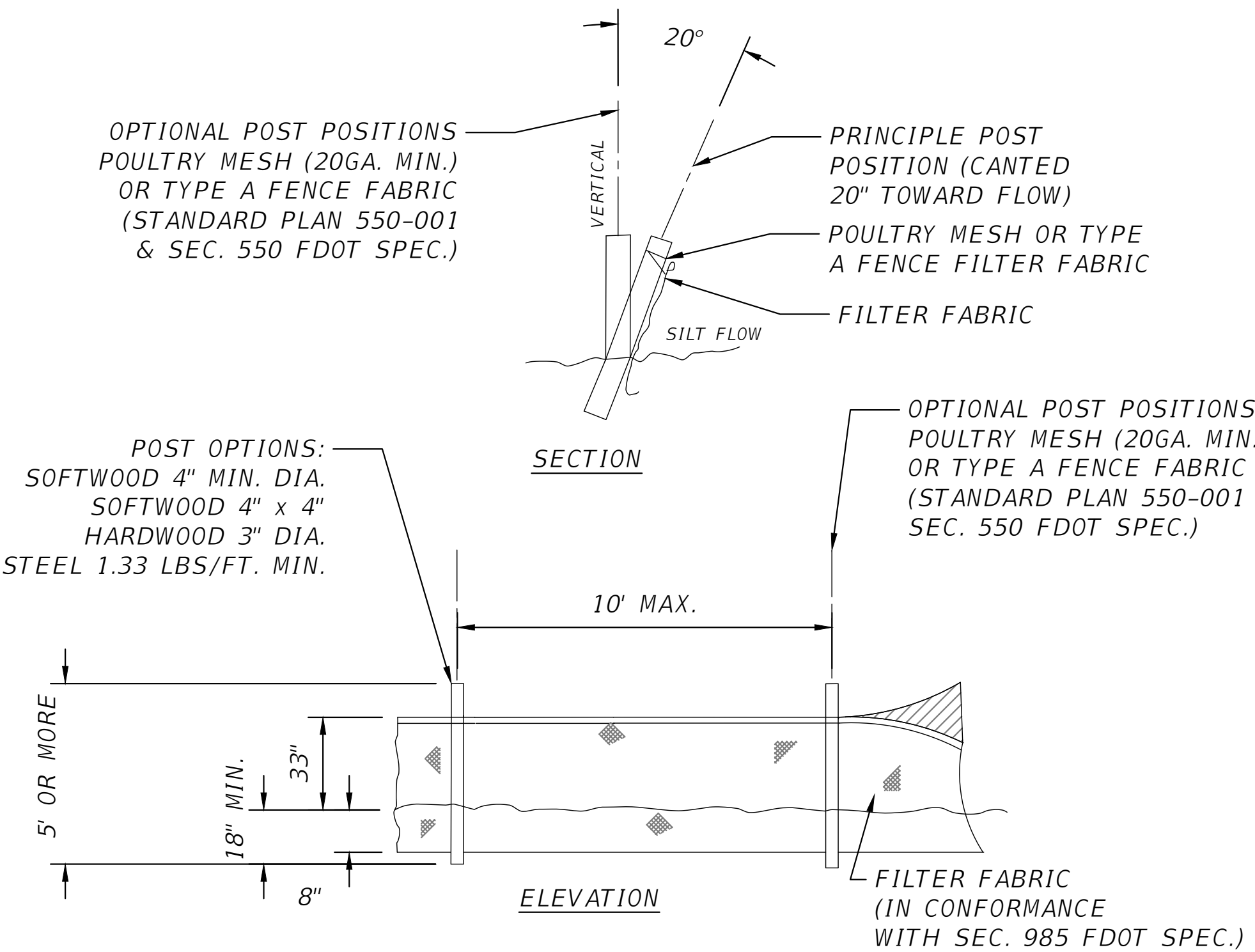


NOTES:

THE FOLLOWING SHALL BE PERFORMED IN THE EVENT ANY KARST FEATURES FORM DURING CONSTRUCTION - E.G. SOLUTION CAVITIES, CHIMNEYS, SINKHOLES.

- NOTIFY THE WATER MANAGEMENT DISTRICT AND THE APPLICABLE MUNICIPAL OR COUNTY PUBLIC WORKS IMMEDIATELY WHEN THE FEATURES ARE ENCOUNTERED. THE METHOD OF REPAIR SHALL BE SUBMITTED FOR REVIEW, COMMENT, AND APPROVAL PRIOR TO ATTEMPTING ANY REPAIR.
- SHALLOW KARST FEATURES ARE TYPICALLY LESS THAN 5' DEEP AND ONLY HAVE SMALL VOIDS IN THE LIMESTONE. THE FEATURE CAN BE REPAIRED BY BACKFILLING WITH A LOWER PERMEABILITY MATERIAL SUCH AS CLAYEY-SAND OR CLAY. COMPACT THE BACKFILL AND CREATE A SMALL MOUND SLIGHTLY ABOVE GRADE TO ACCOUNT FOR SETTLING.
- DEEP KARST FEATURES SHALL BE REPAIRED MORE PERMANENTLY. EXCAVATE THE FEATURE TO THE LIMESTONE BEDROCK. PLUG VOIDS IN THE BEDROCK WITH CLEAN GROUT. BACKFILL OVER THE PLUG WITH A LOWER-PERMEABILITY MATERIAL SUCH AS CLAYEY-SAND OR CLAY. COMPACT THE BACKFILL TO GRADE.

ER23 KARST FEATURE REPAIR DETAIL
SCALE: N.T.S.



ER18 TYPE IV SILT FENCE
SCALE: N.T.S.

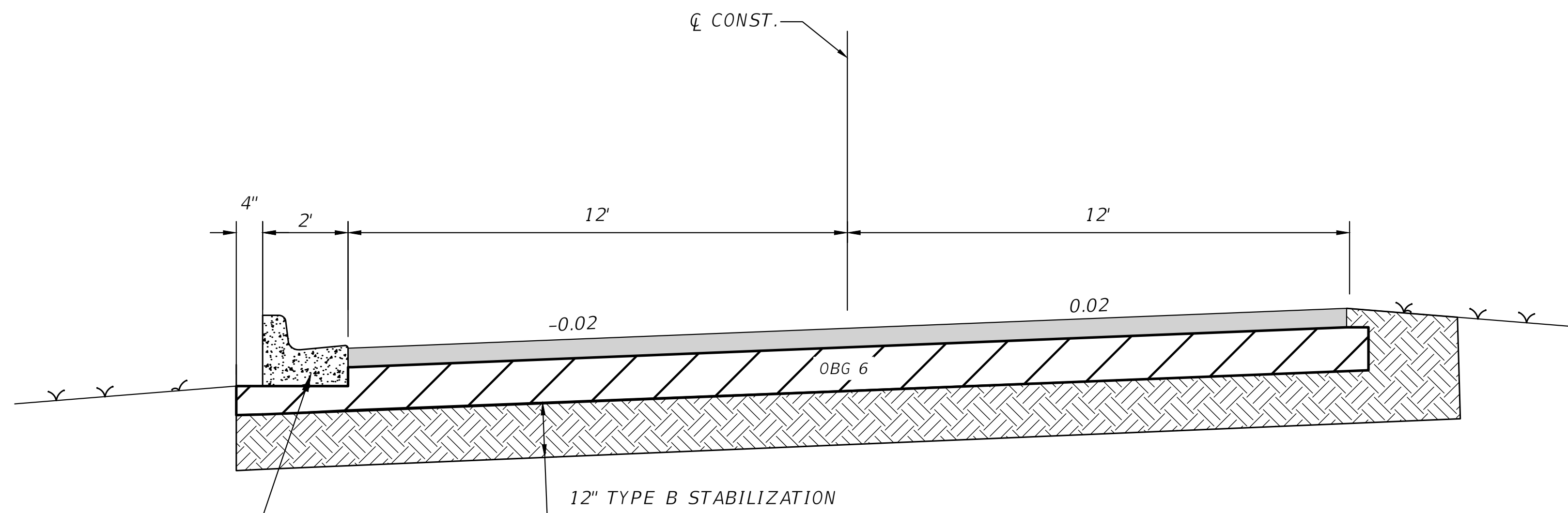
REVISIONS			NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 3823 LAKE CITY, FL 32056 PH. 386-752-4675 LIC NO. LB8356 2551 BLAIRSTONE PINES DR. TALLAHASSEE, FL 32301 WWW.NFPS.NET CA# 29011	JOB NUMBER: L210802SPA EOR: ROBERT PHILLIP BISHOP JR. P.E. NO.: 38546	EROSION NOTES THE WOODS COLUMBIA COUNTY, FLORIDA	SHEET NO. C-4
DATE	DESCRIPTION					

Keegan Renick

8/26/2024 4:23:02 PM

X:\2021\L210802SPA\H.CADD\Roadway\KEYSRD_Container-Park_01.dwg

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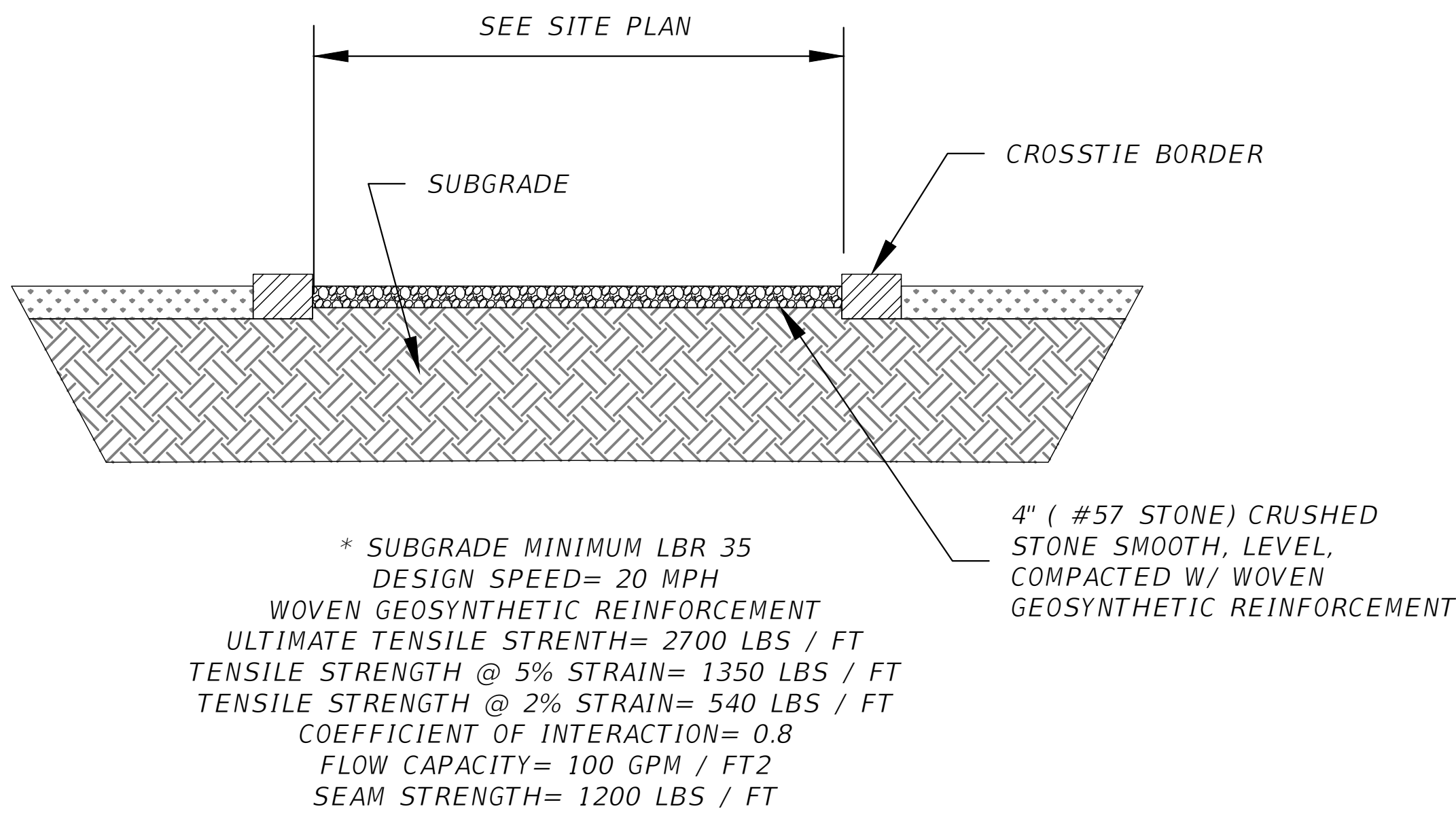


TYPE F CURB
FDOT STD. PLANS
INDEX 520-001

DRIVEWAY DETAIL

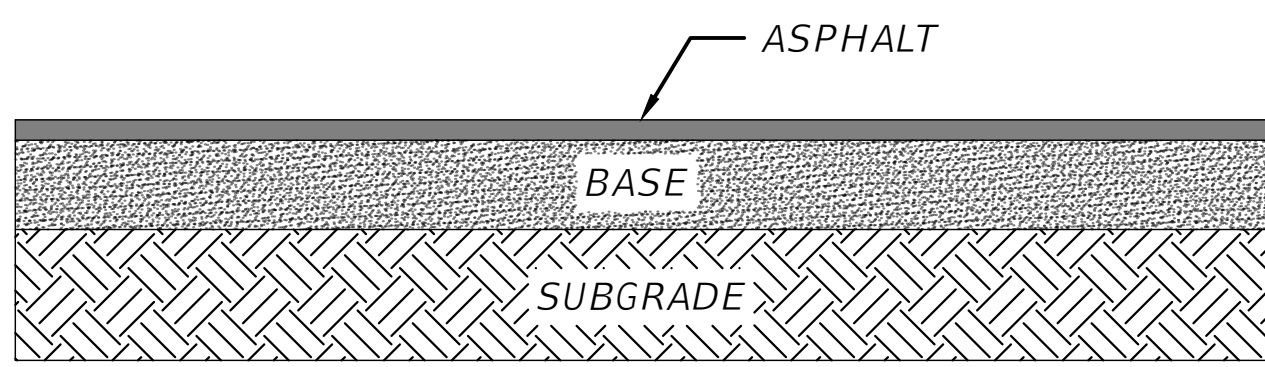
DESIGN SPEED = 25 MPH

2" FC 9.5 ASPHALT SURFACE COURSE
6" LIMEROCK BASE COURSE
12" COMPACTED SUB-GRADE MIN L.B.R 40



TYPICAL GRAVEL ROAD SECTION

SCALE: N.T.S



2" FC 9.5 ASPHALT SURFACE COURSE
6" LIMEROCK BASE COURSE
12" COMPACTED SUB-GRADE MIN L.B.R 40

STANDARD ASPHALT PAVEMENT DESIGN

SCALE: N.T.S

REVISIONS	
DATE	DESCRIPTION



NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356

2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER:
L210802SPA
EOR:
ROBERT PHILLIP
BISHOP JR.
P.E. NO.:
38546

PAVEMENT TYPICALS
THE WOODS
COLUMBIA COUNTY, FLORIDA

SHEET
NO.

C-5

PARKING CALCULATIONS

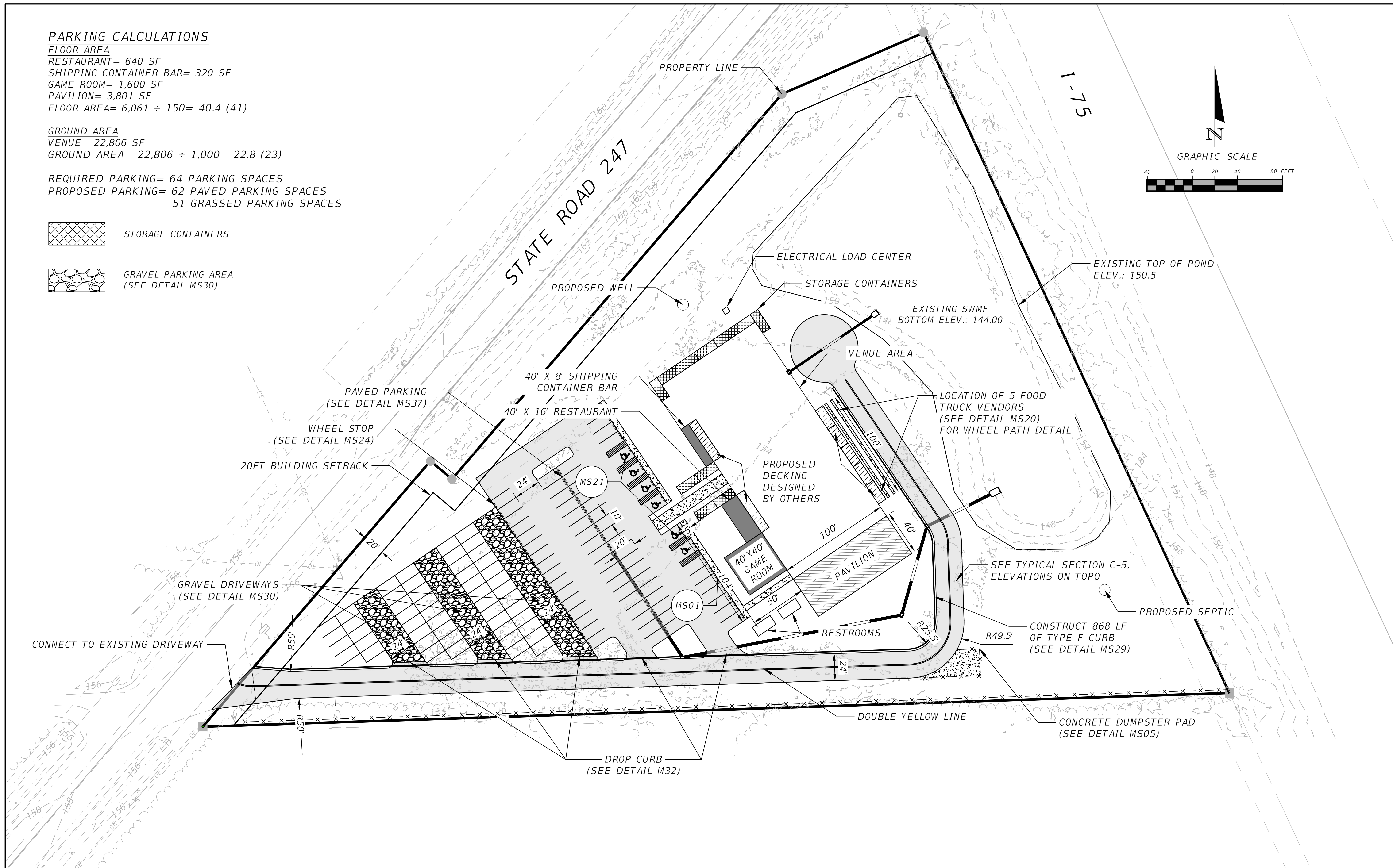
FLOOR AREA
RESTAURANT= 640 SF
SHIPPING CONTAINER BAR= 320 SF
GAME ROOM= 1,600 SF
PAVILION= 3,801 SF
FLOOR AREA= 6,061 ÷ 150= 40.4 (41)

GROUND AREA
VENUE= 22,806 SF
GROUND AREA= 22,806 ÷ 1,000= 22.8 (23)

REQUIRED PARKING= 64 PARKING SPACES
PROPOSED PARKING= 62 PAVED PARKING SPACES
51 GRASSED PARKING SPACES

STORAGE CONTAINERS

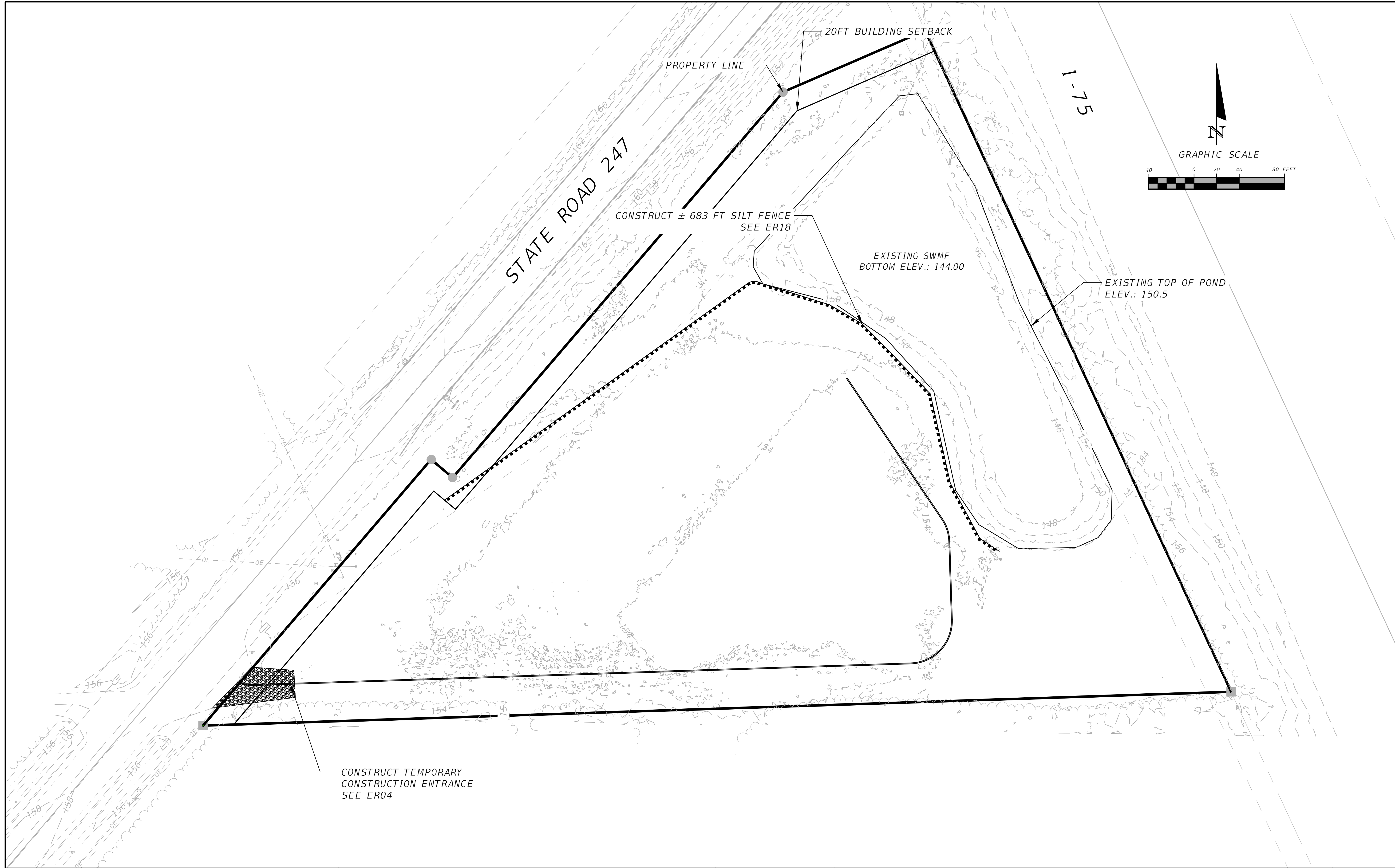
GRAVEL PARKING AREA
(SEE DETAIL MS30)



REVISIONS			NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 3823 LAKE CITY, FL 32056 PH. 386-752-4675 LIC NO. LB8356	2551 BLAIRSTONE PINES DR. TALLAHASSEE, FL 32301 WWW.NFPS.NET CA# 29011	JOB NUMBER: L210802SPA EOR: ROBERT PHILLIP BISHOP JR. P.E. NO.: 38546	SITE PLAN THE WOODS COLUMBIA COUNTY, FLORIDA	SHEET NO. C-6
DATE	DESCRIPTION						

Keegan Renick 8/26/2024 4:23:06 PM X:\2021\L210802SPA\H.CADD\Roadway\PLANRD_Container-Park_01.dwg C-6 SITE PLAN

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY ROBERT PHILLIP BISHOP JR. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



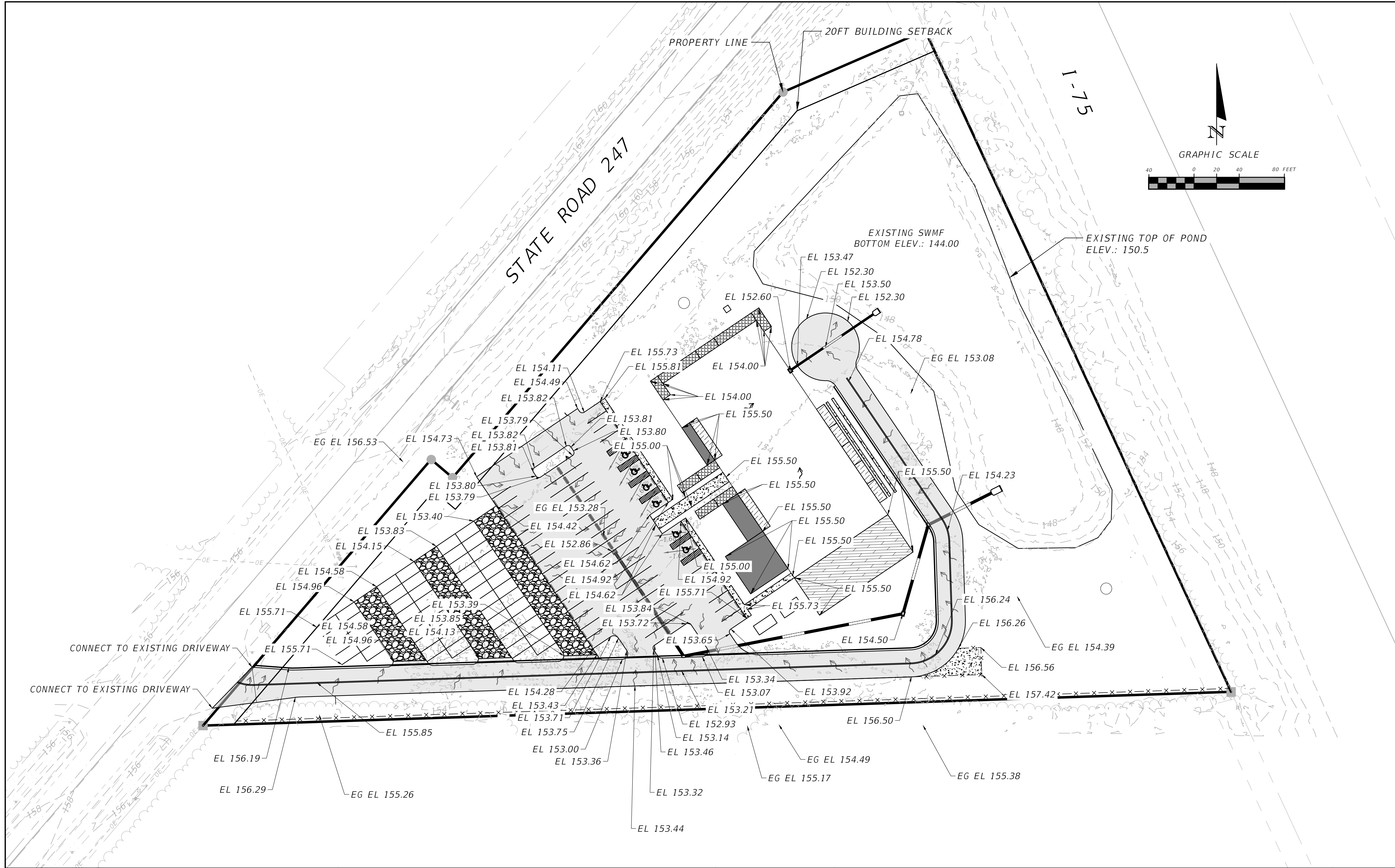
REVISIONS		 NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 3823 LAKE CITY, FL 32056 PH. 386-752-4675 LIC NO. LB8356 2551 BLAIRSTONE PINES DR. TALLAHASSEE, FL 32301 WWW.NFPS.NET CA# 29011	JOB NUMBER: L210802SPA EOR: ROBERT PHILLIP BISHOP JR. P.E. NO.: 38546	EROSION CONTROL PLAN THE WOODS COLUMBIA COUNTY, FLORIDA	SHEET NO.
DATE	DESCRIPTION				
					C-7

Keegan Renick

8/26/2024 4:23:07 PM

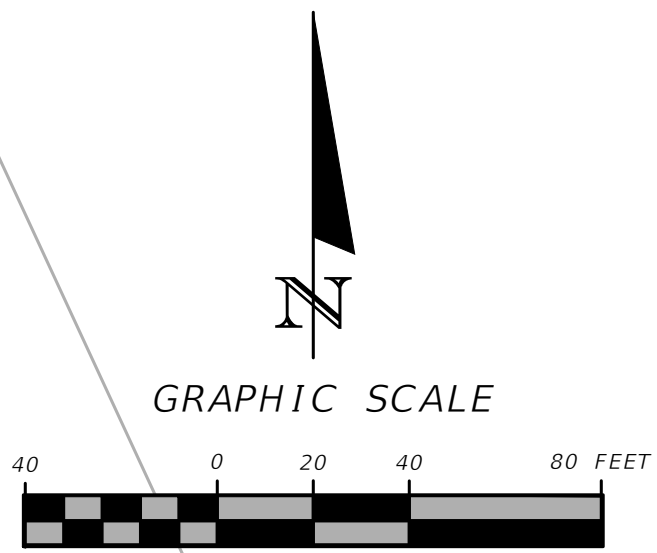
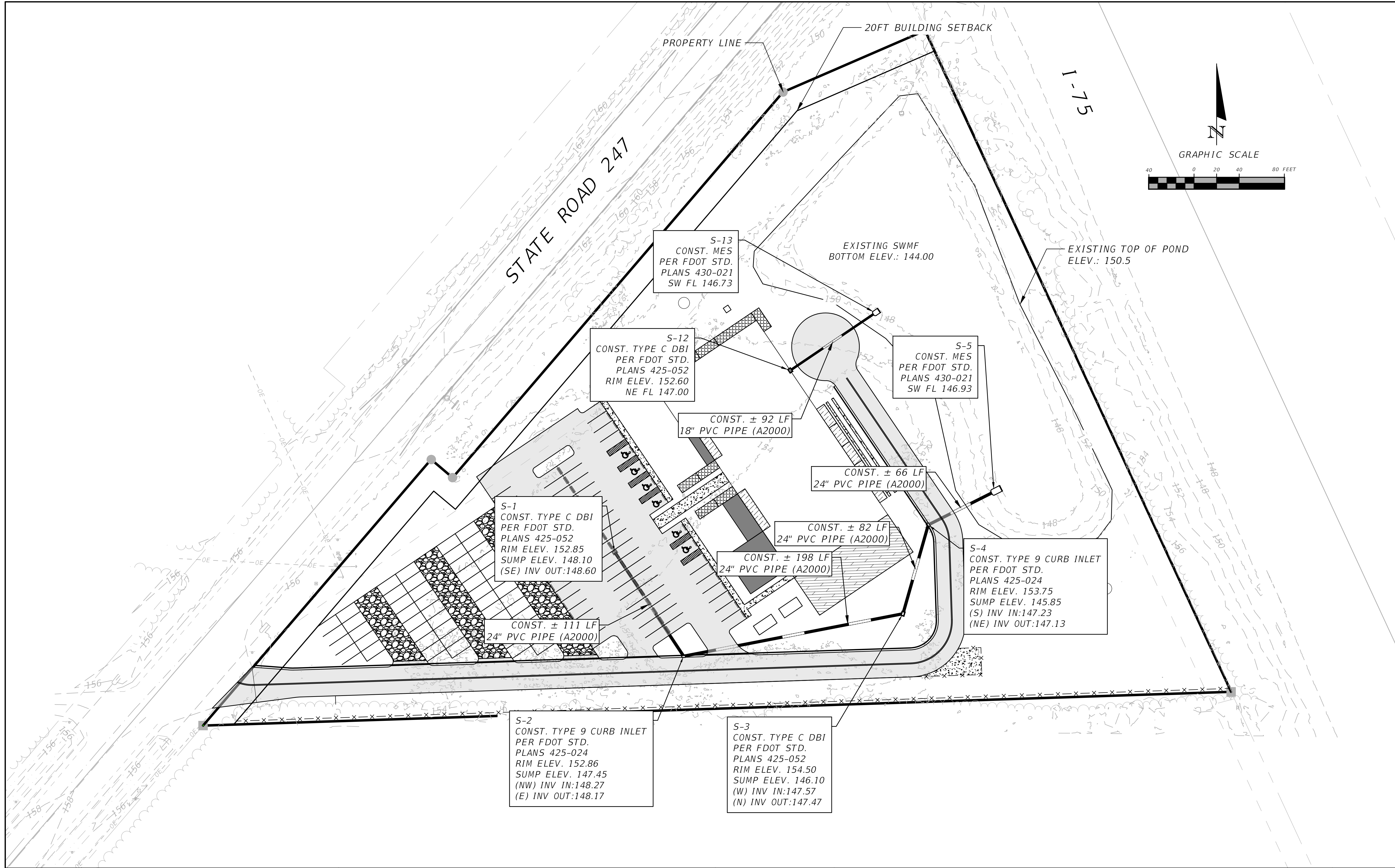
X:\2021\L210802SPA\H.CADD\Roadway\PLANRD_Container-Park_01.dwg C-7 EROSION CONTROL PLAN

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY ROBERT PHILLIP BISHOP JR. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



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DATE	DESCRIPTION										

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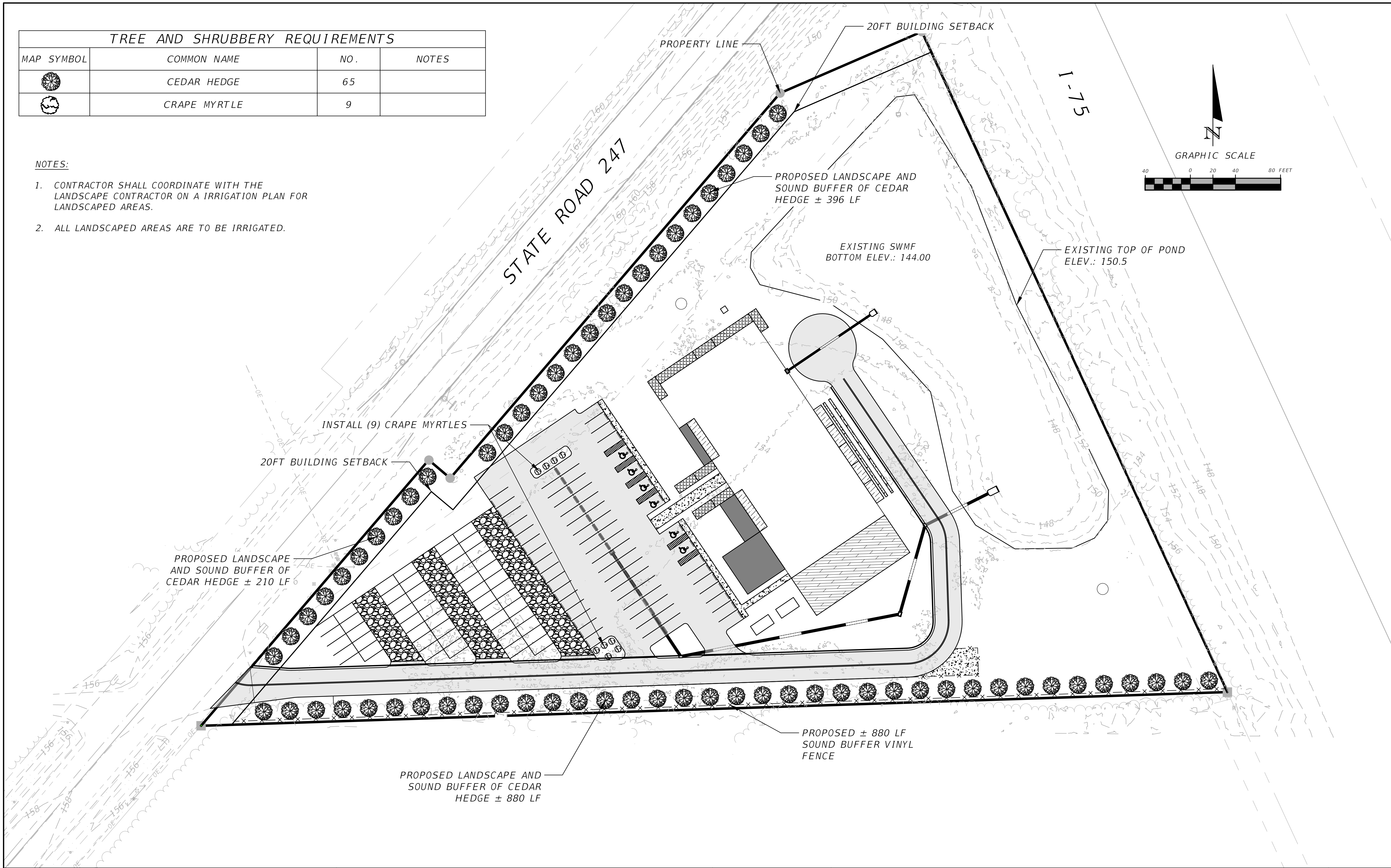
REVISIONS			NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 3823 LAKE CITY, FL 32056 PH. 386-752-4675 LIC NO. LB8356	2551 BLAIRSTONE PINES DR. TALLAHASSEE, FL 32301 WWW.NFPS.NET CA# 29011	JOB NUMBER: L210802SPA EOR: ROBERT PHILLIP BISHOP JR. P.E. NO.: 38546	8/26/2024 4:23:10 PM	X:\2021\L210802SPA\H.CADD\Roadway\PLANRD_Container-Park_01.dwg C-9 DRAINAGE PLAN	DRAINAGE PLAN THE WOODS COLUMBIA COUNTY, FLORIDA		SHEET NO. C-9	
DATE	DESCRIPTION										

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TREE AND SHRUBBERY REQUIREMENTS			
MAP SYMBOL	COMMON NAME	NO.	NOTES
	CEDAR HEDGE	65	
	CRAPE MYRTLE	9	

NOTES:

- CONTRACTOR SHALL COORDINATE WITH THE LANDSCAPE CONTRACTOR ON A IRRIGATION PLAN FOR LANDSCAPED AREAS.
- ALL LANDSCAPED AREAS ARE TO BE IRRIGATED.



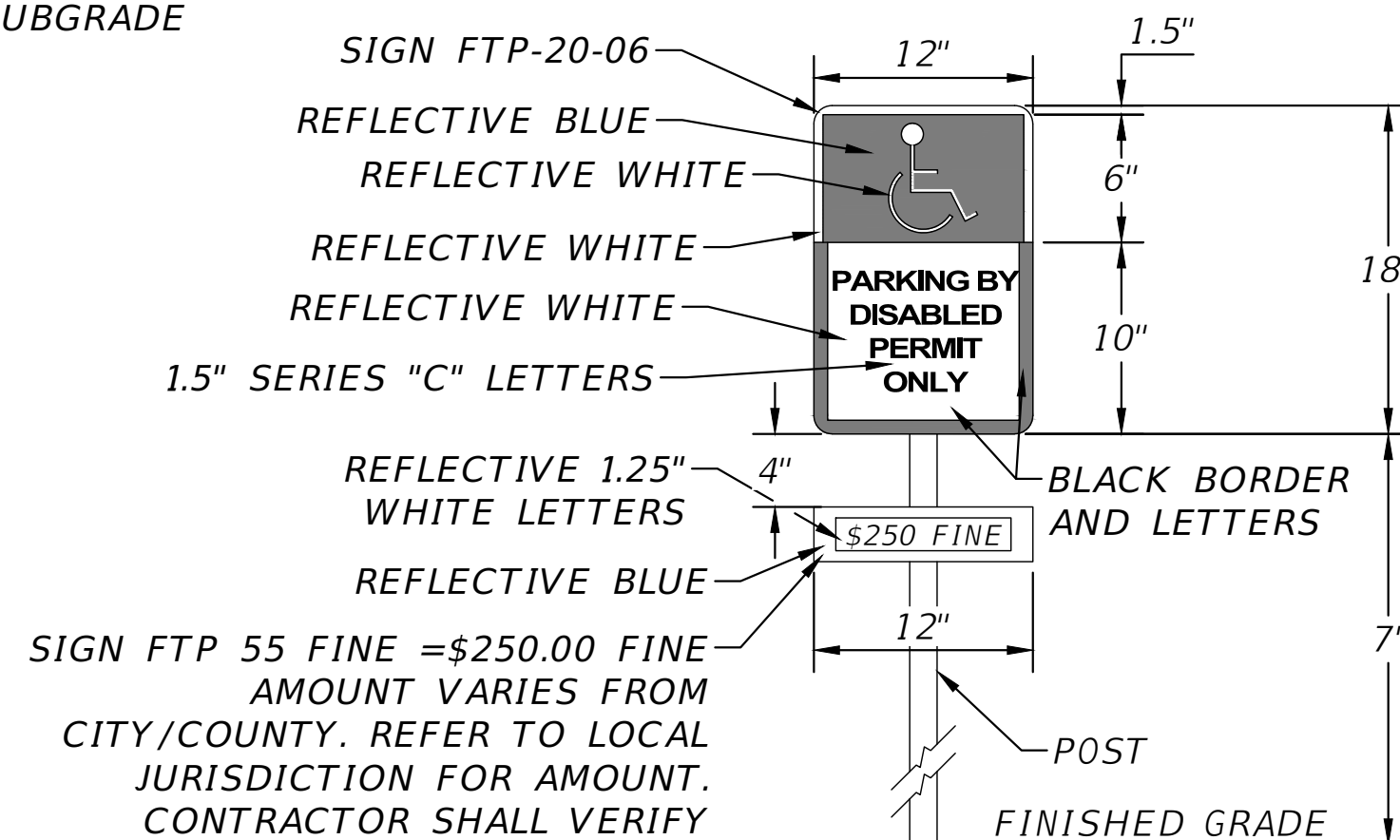
REVISIONS			NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 3823 LAKE CITY, FL 32056 PH. 386-752-4675 LIC NO. LB8356 2551 BLAIRSTONE PINES DR. TALLAHASSEE, FL 32301 WWW.NFPS.NET CA# 29011	JOB NUMBER: L210802SPA EOR: ROBERT PHILLIP BISHOP JR. P.E. NO.: 38546	LANDSCAPE PLAN THE WOODS COLUMBIA COUNTY, FLORIDA	SHEET NO. C-10
DATE	DESCRIPTION					

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Keegan Renick

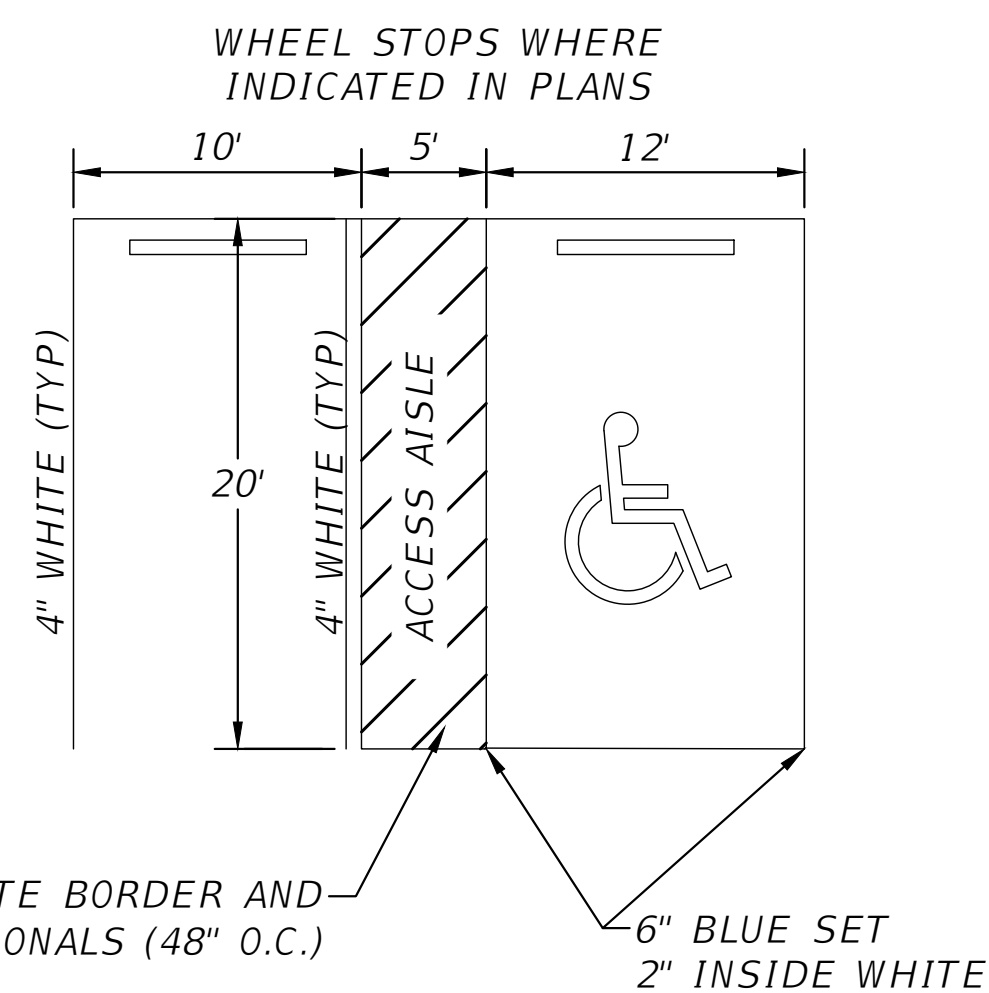
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X:\2021\L210802SPA\H.CADD\Roadway\PLANRD_Container-Park_01.dwg C-10 LANDSCAPE PLAN



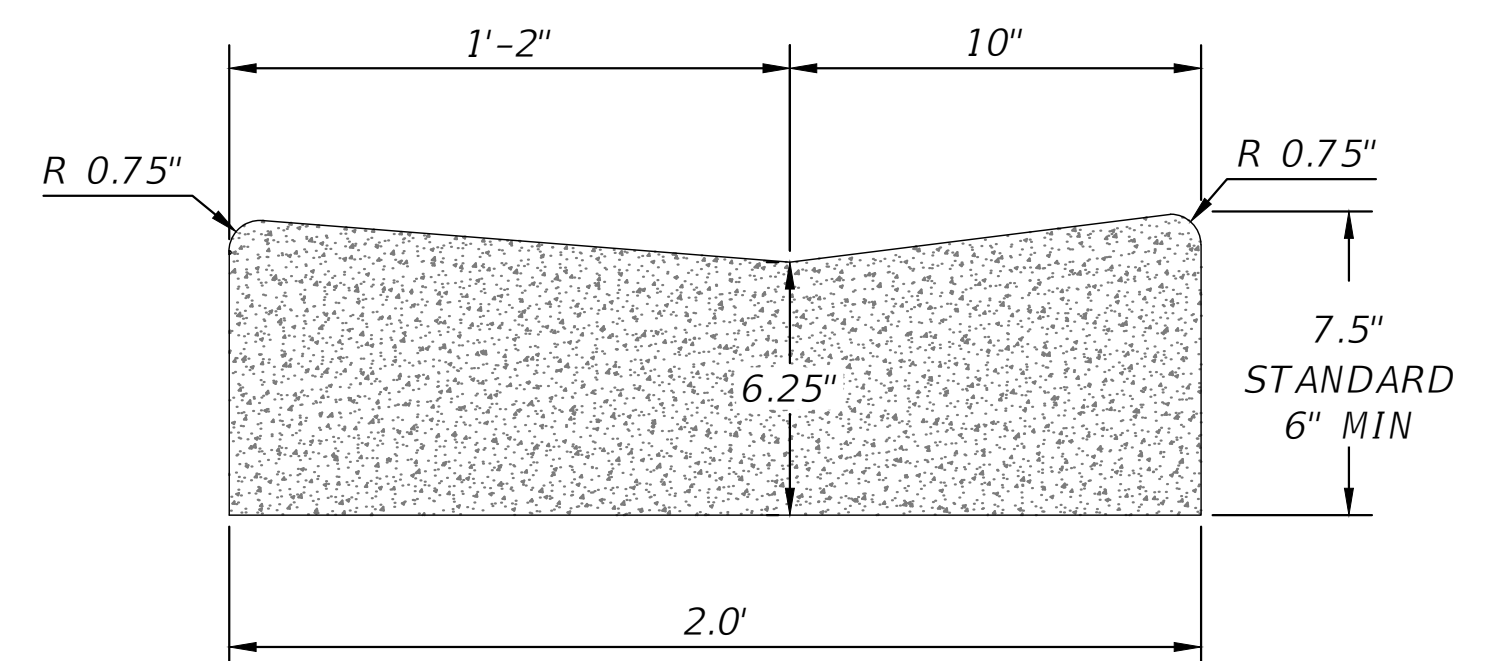
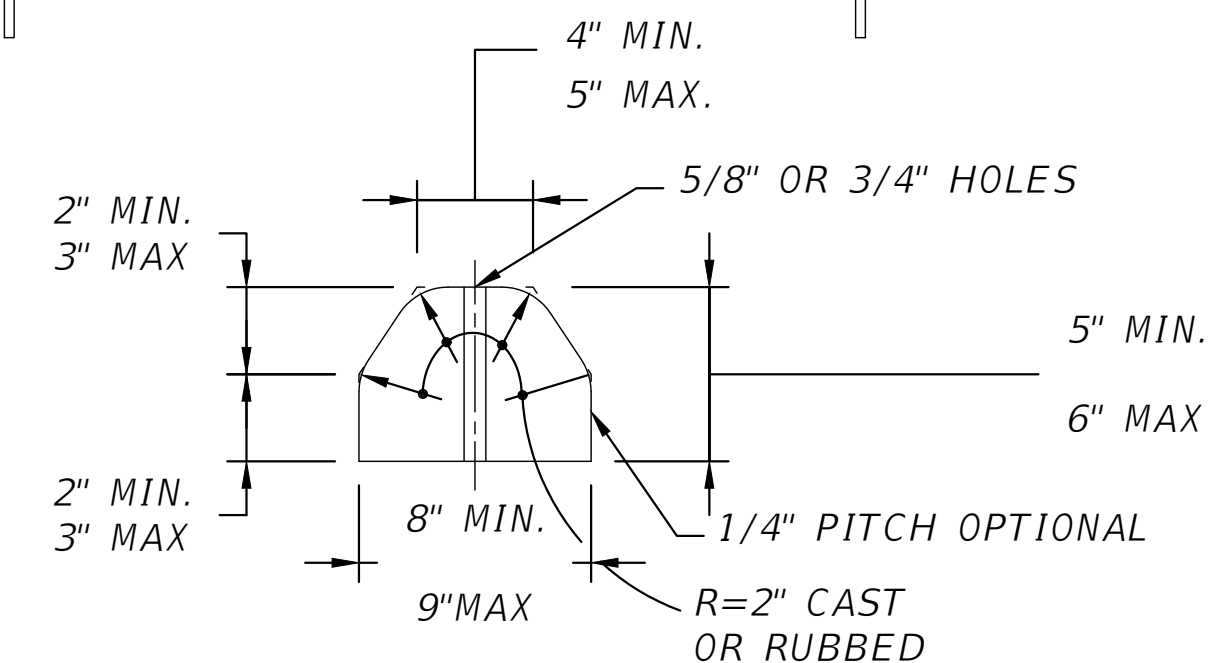
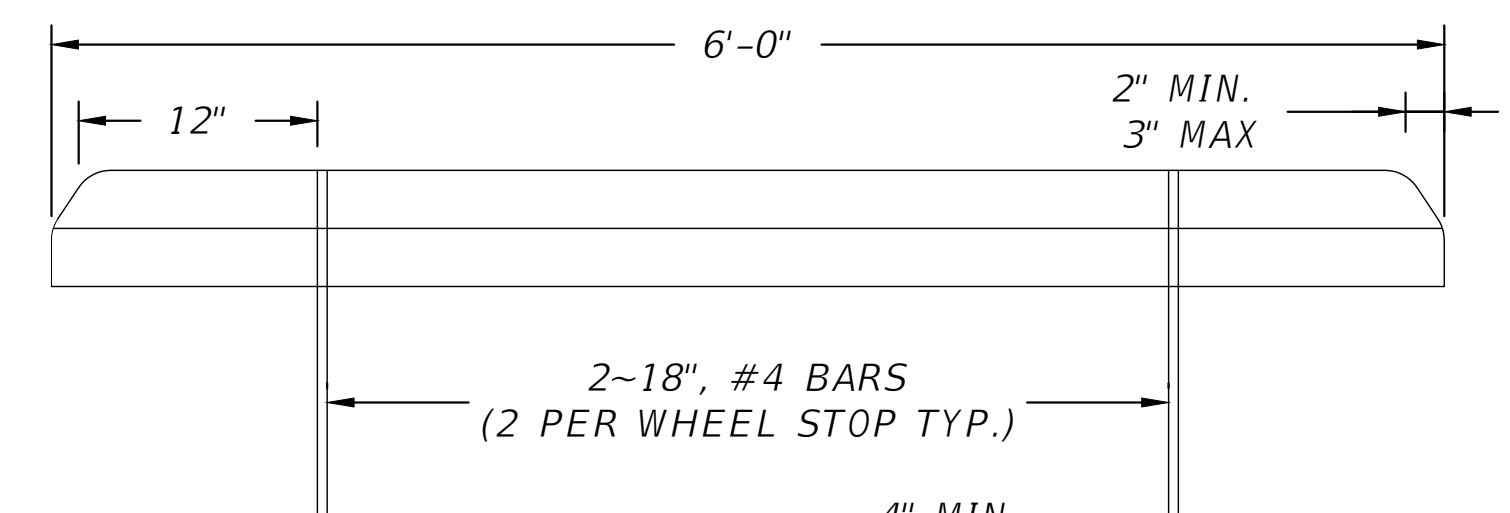
- SIGN NOTES:

1. SIGN CONSTRUCTION,
DESIGN AND PLACEMENT
SHALL COMPLY WITH STATE
AND LOCAL STATUES.



- NOTES:

1. SIGN SHALL BE PLACED IN FRONT OF ALL DESIGNATED HANDICAPPED SPACES. SIGN HEIGHT SHALL BE 7' FROM PAVEMENT TO BOTTOM OF SIGN.
2. 5' HANDICAPPED AISLE MAY BE PLACED ON THE RIGHT OR LEFT SIDE OF PARKING STALL.
3. HANDICAPPED PARKING SYMBOL SHALL BE 3 OR 5 FT. HIGH.
4. BLUE PAVEMENT MARKINGS SHALL BE TINTED TO MATCH SHADE 15180 OF FEDERAL STANDARDS 595A.



REVISIONS	
DATE	DESCRIPTION



NORTH FLORIDA PROFESSIONAL SERVICES, INC.

**P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356**

2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

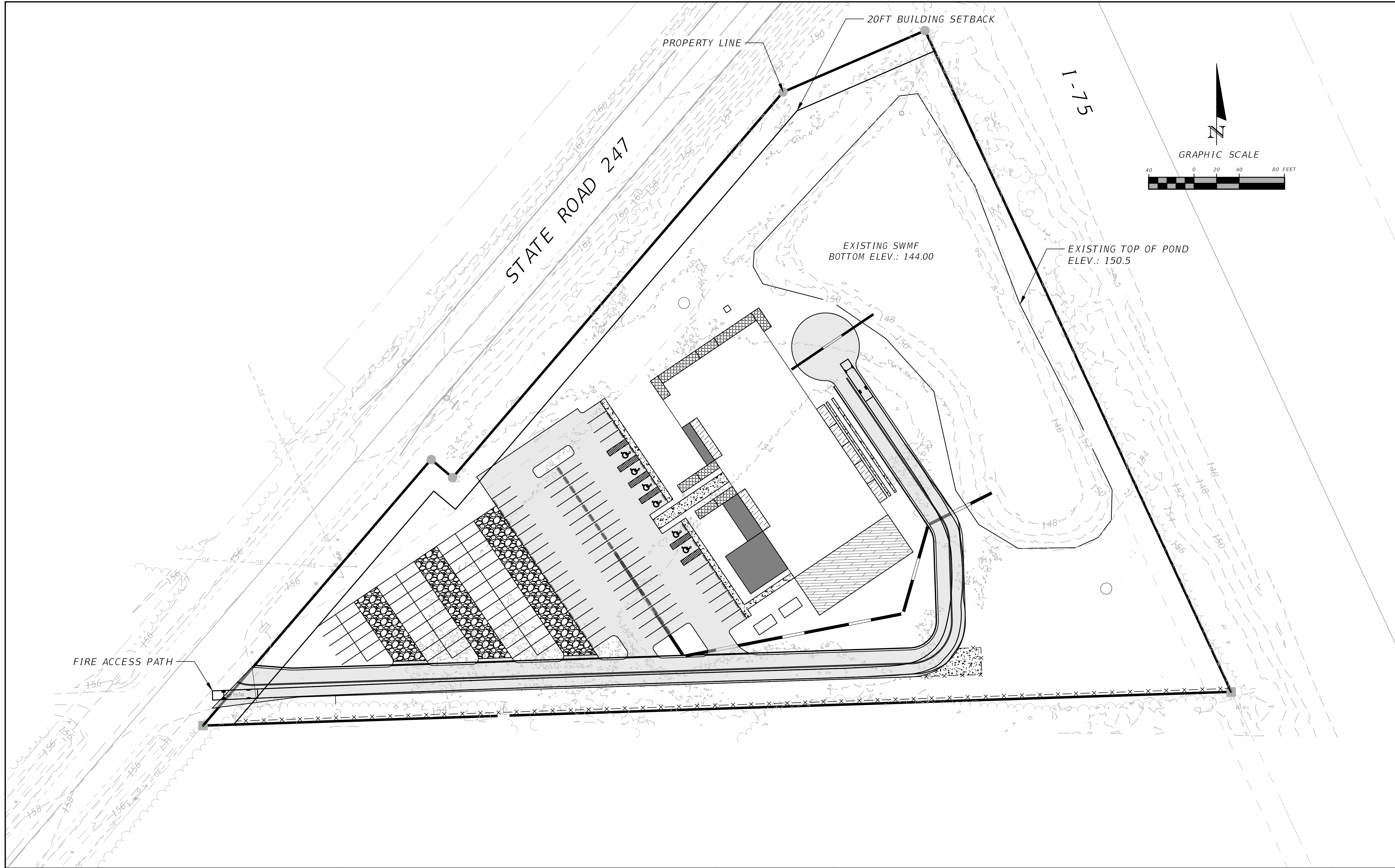
JOB NUMBER:
L210802SPA
EOR:
ROBERT PHILLIP
BISHOP JR.
P.E. NO.:
38546

DETAILS
THE WOODS
COLUMBIA COUNTY, FLORIDA

SHEET
NO.

C-11

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REVISIONS			NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 3823 LAKE CITY, FL 32056 PH. 386-752-4675 LIC NO. LB8356	2551 BLAIRSTONE PINES DR. TALLAHASSEE, FL 32301 WWW.NFPS.NET CA# 29011	JOB NUMBER: L210802SPA EOR: ROBERT PHILLIP BISHOP JR. P.E. NO.: 38546	FIRE ACCESS PLAN THE WOODS COLUMBIA COUNTY, FLORIDA	SHEET NO. C-12
DATE	DESCRIPTION						

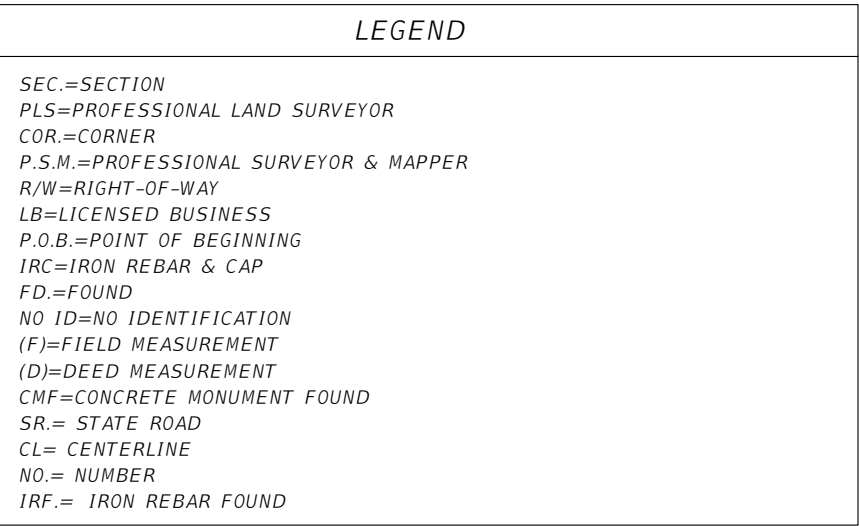
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY ROBERT PHILLIP BISHOP JR. ON THE DATE ADJACENT TO THE SEAL.
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IN SECTION 2
TOWNSHIP 4 SOUTH, RANGE 16 EAST
COLUMBIA COUNTY, FLORIDA

Section 2: All of the Southeast $\frac{1}{4}$ lying Westerly of I-75 and Southeasterly of State Road 247, Columbia County, Florida, more particularly described as follows:

Begin at the intersection of the South line of the Southeast $\frac{1}{4}$ of Section 2, Township 4 South, Range 16 East, Columbia County, Florida and the Southeasterly right of way line of State Road No. 24, said right of way line being 50 feet Southeasterly of the centerline of said State Road as measured from the centerline of said State Road, 75 (Seventy Five) feet wide, and, along said right of way line, 10.89 feet to a change in right of way width; thence South 49 degrees 24 minutes 06 seconds East, 25.00 feet to a point 75.00 feet Southeasterly from said centerline of State Road No. 24, said as measured perpendicular to said centerline; thence North 40 degrees 35 minutes 54 seconds East, along said right of way line 449.96 feet to a bend in said right of way; thence North 66 degrees 29 minutes 30 seconds East, still along said right of way line, 137.14 feet to a point 100.00 feet from the intersection of the South line of the Southeast $\frac{1}{4}$ of Section 2, Township 4 South, Range 16 East, Columbia County, Florida, to a second bend in said right of way; thence South 24 degrees 49 minutes 52 seconds East, along said Easterly right of way line, 646.04 feet to its intersection with the aforementioned South line of the Southeast $\frac{1}{4}$; thence South 88 degrees 07 minutes 30 seconds West, along said South line 911.66 feet to the POINT OF BEGINNING. Columbia County, Florida.

9.) Elevations based on NAVD88 datum.



NOTE: SEE SHEET 2
FOR TOPOGRAPHY SURVEY.

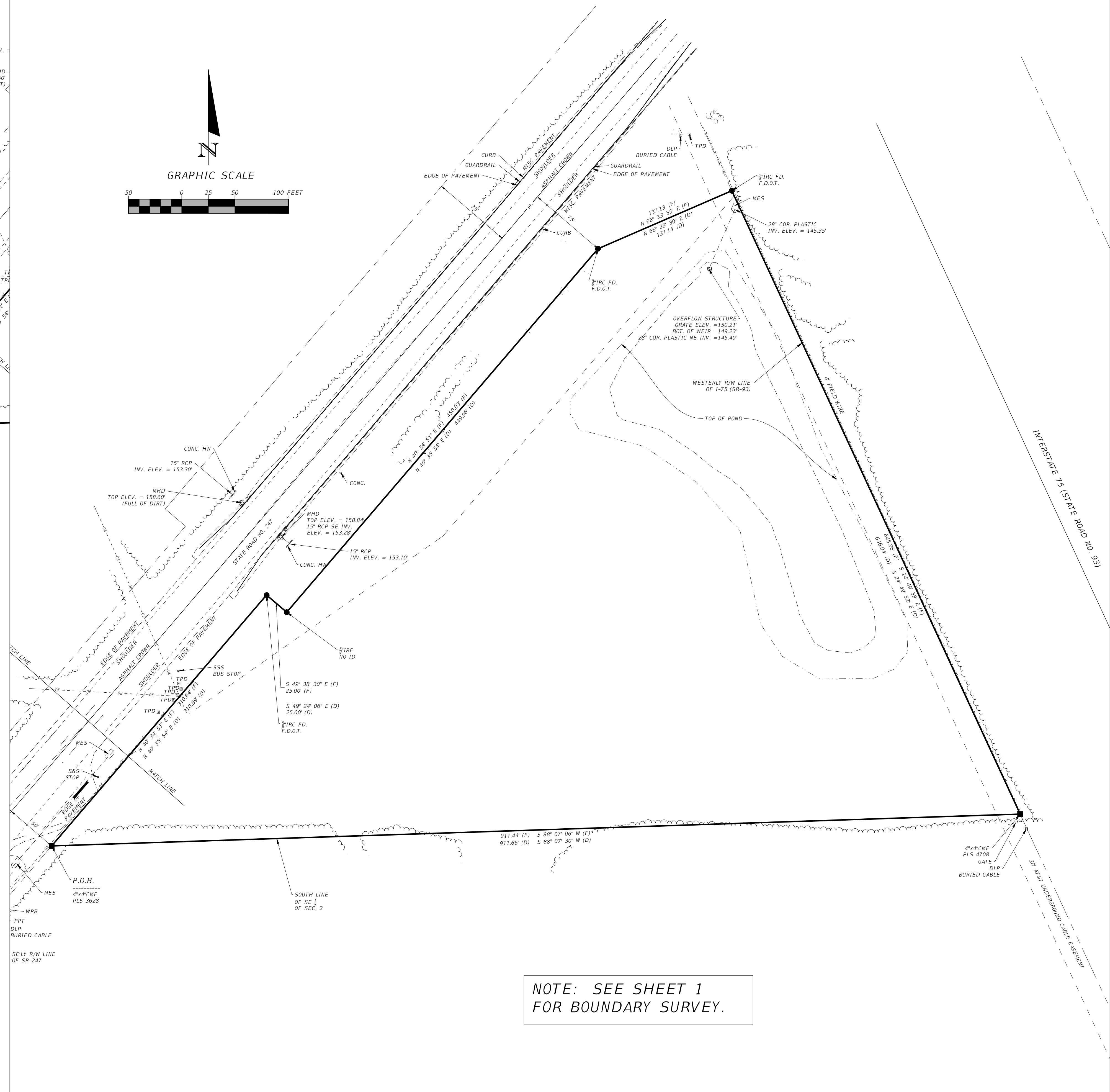
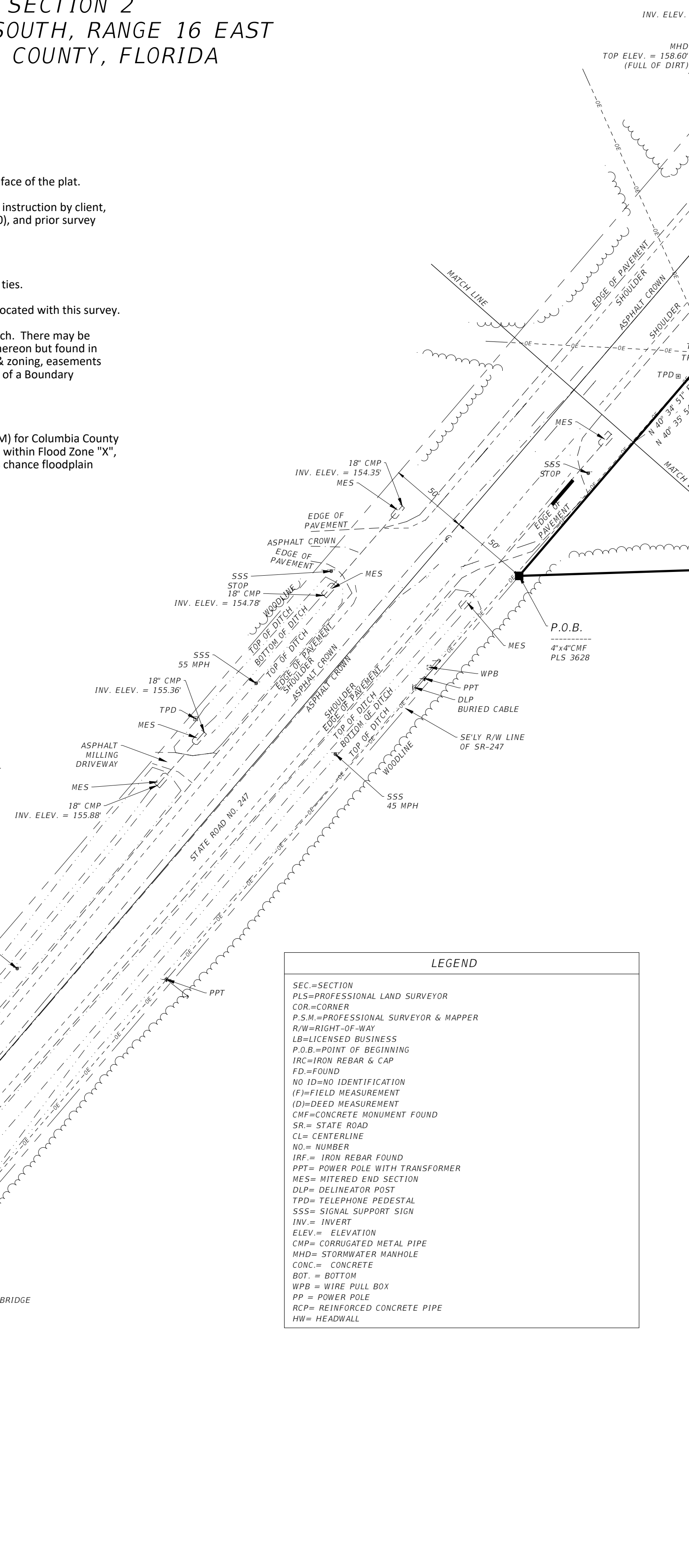
William R. Huseman, P.A.
Small Business Administration
Florida First Capital Finance Corporation
Woods Projects LLC

DATE: ____/____/2022

Approved
2024-D-292-00018
Dan Morgan
2/20/2025
BOUNDARY-SHEET 1

IN SECTION 2
TOWNSHIP 4 SOUTH, RANGE 16 EAST
COLUMBIA COUNTY, FLORIDA

- 1.) Monumentation is as shown and designated on the face of the plat.
- 2.) Boundary based on monumentation found in place, instruction by client, most recent deed of record (O.R.B. 1464, Page 1900), and prior survey by Mark Duren, PLS.
- 3.) Bearings based on State Plane Coordinates.
- 4.) Interior improvements shown were located by field ties.
- 5.) Underground encroachments, if present, were not located with this survey.
- 6.) This survey was made without benefit of a title search. There may be additional easements, restrictions, etc. not shown hereon but found in the Public Records. Issues regarding title, land use & zoning, easements & other encumbrances are not a part of the scope of a Boundary Survey and can only be revealed with a title search.
- 7.) Date of field survey completion: July 26, 2022
- 8.) Examination of the Flood Insurance Rate Maps (FIRM) for Columbia County shows that, per said maps, the described parcel lies within Flood Zone "X", which according to said maps is outside of the 0.2% chance floodplain (ref: Map No. 12023CO291D).
- 9.) Elevations based on NAVD83 datum.



NOTE: SEE SHEET 1
FOR BOUNDARY SURVEY.

R E V I S I O N S				 NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 3823 2551 BLAIRSTONE PINES DR. LAKE CITY, FL 32056 TALLAHASSEE, FL 32301 PH. 386-752-4675 WWW.NFPS.NET LIC NO. LB8356	JOB NO. L210802SPA CA# 29011	SPARKS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				
							Appr2ved 2024-D-292-0001

PART 2 – Certification by a Licensed Professional

In accordance with Rule 14-86, Florida Administrative Code (F.A.C.), I hereby certify that the following requirements are and/or will be met.

This project has been designed in compliance with all applicable water quality design standards as required by state or federal governmental entity(ies).

14-86.004(3)(f) (F.A.C.): Certification by a Licensed Professional that the complete set of plans and computations complies with one of the following Rules Sections:

☒ 14-86.003(2)(a) (F.A.C.), or ☐ 14-86.003(2)(b) (F.A.C). (check one)

I further certify that a National Pollutant Discharge Elimination System (NPDES) permit for stormwater discharges associated with industrial activity from construction sites

☒ is required ☐ is not required. (check one)

I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

This certification shall remain valid for any subsequent revision or submittal of plans, computation or other project documents by me.

Name of Licensed Professional: Robert Phillip Bishop Jr.

Florida License Number: 38546

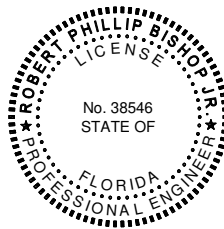
Company Name (if applicable): NFpS

Certificate of Authorization Number (if applicable): _____

Address: PO Box 3823

City: Lake City State: Florida Zip: 32025

Telephone: (386) 752-4675 ext. _____ Fax: _____ Email: pbishop@nfps.net



Robert P Bishop
Digitally signed by Robert P Bishop
DN: cn=Robert P Bishop,
o=NFpS, ou=NFpS, email=pbishop@nfps.net,
c=US
Date: 2024.10.30 17:42:42 -0400

Signature of Licensed Professional

Date

(Affix Seal)

Approved
2024-D-292-00018
Dan Morgan
2/20/2025

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
DRAINAGE CONNECTION PERMIT**PART 3 – Certification by Applicant**

I hereby certify that the information in this submittal is complete and accurate to the best of my knowledge.

Applicant's Signature: Tori Humphries Date: 10/24/24

Name (Printed): TORI HUMPHRIES

Title and Company: NFPS

Address: PO Box 3823, Lake City, Florida 32056

Phone Number: (386) 752-4675 ext. _____ E-mail address: thumphries@nfps.net

PART 4 – Owner's Authorization of a Representative

I (we), the owner, Michael Woods, do hereby authorize the following person, or entity, as my representative:

Name (Printed): TORI HUMPHRIES

Title and Company: NFPS

Address: PO Box 3823, Lake City, Florida 32056

Phone Number: (386) 752-4675 ext. _____ E-mail address: thumphries@nfps.net

Part 5 – Affidavit of Property Ownership or Control and Statement of Contiguous Interest

I, Michael Woods, certify that I own or lawfully control the following described property:

The proposed project consists of a commercial development located South of the State Road 247 and I-75 interchange.

Does the property owner own or have any interests in any adjacent property?

☒ No ☐ Yes If yes, please describe.

Owner's Signature required for Parts 4 and/or 5

We will not begin on the drainage connection until I receive the Permit and I understand all the conditions of the Permit. When work begins on the connection, I am accepting all conditions listed in the Permit.

Name (Printed): Michael Woods

Address: 520 SW Steedley Dr, Lake City, Florida 32024

Phone Number: (407) 436-4618 ext. _____

Signature: Michael Woods Date: 10/28/24

Approved
2024-D-292-00018
Dan Morgan
2/20/2025

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
DRAINAGE CONNECTION PERMIT APPLICATION

FORM 592-12
 ROADWAY DESIGN
 10/86

To be completed by DOT

Drainage Connection Permit Application No. 07-D-292-2 Date 6-01-2007
 Received By NEIL. E. MILES Maintenance Unit 292
 State Road No. 93 Construction Project No. _____
 Section No. 29180 Station to _____ FROM _____ TO _____
 Milepost 18.381+-

To be completed by Applicant

Applicant's Name: Carolyn Woolsey
 Address: 4784 US Highway 90 386-755-5862
 STREET TELEPHONE NO.
Lake City Columbia Florida 32055
 CITY COUNTY STATE ZIP
 Project Name: Cross Roads Commercial Park
 Location: 247 Lake City
 STREET SR. NO. US HWY NO. CITY
Columbia 2 4 South 16 East
 COUNTY SECTION(S) TOWNSHIP(S) RANGE(S)

Brief Description of Activity Proposed:

Stormwater pond for development is proposed to outfall onto existing concrete ditch pavement. This ditch conveys stormwater under I-75 (SR 93) and towards Cannon Creek.

Briefly Describe Why This Activity Requires a Drainage Connection Permit:
 (Include Where the Stormwater Will Discharge)

This development is proposing to utilize an existing FDOT drainage system as an outfall. Stormwater will discharge into a drainage ditch along I-75 (SR 93).

NOTE: Rule Chapter 14-86.004 specifies the exact data requirements which constitute a complete application. This form must be submitted with all the required items in quadruplicate. These include:

- | | |
|---|---|
| ☒ Affidavit of ownership or Control | ☒ Location Map |
| ☒ Legal Description | ☒ Grading Plan |
| ☒ Statement of Contiguous Interest | ☒ Soil Borings |
| ☒ Computations | ☒ Water Table/Percolation |
| ☒ Certification | ☒ Permit Form 592-13 |
| ☐ Photographs of Existing Conditions | |

Please mark items which have been submitted.

I HEREBY CERTIFY THAT THE INFORMATION SUBMITTED IN THIS APPLICATION IS COMPLETE, ACCURATE, AND INDICATIVE OF THE ACTIVITY AND OF THE EXISTING AND PROPOSED DRAINAGE/STORMWATER MANAGEMENT FEATURES AND PATTERNS.

APPLICANT Carolyn Woolsey (SIGN)
 Carolyn Woolsey 4784 US Highway 90
 NAME (MAILING ADDRESS) STREET
Lake City Florida 32055
 CITY STATE ZIP
 DATE TELEPHONE

If this application is signed by a representative of the applicant, a letter of authorization from the permittee must be attached.

Approved
 2024-D-292-00018
 Dan Morgan
 2/20/2025

FLORIDA DEPARTMENT OF TRANSPORTATION

CHARLIE CRIST
GOVERNOR

STEPHANIE KOPELOUSOS
SECRETARY



PERMITTEE : CAROLYN WOOSLEY. S.R.93 (S) SEC NO: 29180

PERMIT CAT: M.P. 18.381+-

PROJ. DESCRIPTION : TIE INTO EXISTING CON DITCH PAVEMENT.

PERMIT NO: 07-D-292-2

Asst. Maintenance Engineer or Permits Coordinator Approval

NEIL E. MILES, PERMITS COORDINATOR

THE FOLLOWING ARE ADDITIONAL SPECIAL PERMIT PROVISIONS THAT ARE A LEGAL PART OF THIS PERMIT & DO APPLY TO THE ABOVE REFERENCED PERMIT, IF SO MARKED MUST BE COMPLIED WITH IN ADDITIONAL TO THE GENERAL PROVISIONS.

1. XXX All portions of the FDOT right-of-way disturbed during construction under this permit shall be mulched seeded and / or 2 feet of grass sod placed adjacent to the driving lane, or as called for under the approved permit & per FDOT specifications.
2. XXX Permittee shall restore wildflowers disturbed during permitted construction with new seed to be (amount and & method) determined by Mr. Dick Bush, District Landscaping Engineer. Seed shall be delivered to Lake City Maintenance, Permits Office before commencement of permitted placement.
3. XXX The Permittee will contact the appropriate city, county, state government agency; a minimum of forty-eight (48) hours in advance of starting excavation within the area of any signalized intersection.
4. XXX The Permittee can be required to physically relocate (move), as so indicated under this permit at a future date, due to proposed future or on-going FDOT roadway construction planned within the limits of the permitted area.
5. XXX Existing utilities may be located within the construction area. Prior to permit approval, permittee shall locate and notify all utilities within the proposed limits of construction and or permitted area and obtain detailed information from the utility owners as to possible conflicts between utilities and permit tee's work. Permittee shall be responsible for pre & post permit coordination, and all adjustments and shall be solely responsible for resolving any conflicts of utilities, either before or during or after the final permitting. The Permittee shall be solely responsible for any and all damages to existing utilities and/or damage to third parties caused by interference with or damage to existing utilities. The Permittee shall show positive proof that all utility owners with existing interest in the area permitted, have been previously contacted in advance of final permit approval.
6. XXX No business is to be done on FDOT right-of-ways, if vehicles are to be serviced on roadside with pumps, Pump islands must be located at least twelve (12) feet from right-of-way line.
7. XXX Driveway permits are granted to permit access to abutting property only. Parking on right-of-way may be restricted or prohibited.
8. XXX The erection of signs on or overhanging the right-of-way of state roads is not permitted. The connection of any type of subsurface drainage to FDOT storm drains or ditches is prohibited unless by permit or as shown in the general or special provisions of the referenced permit.
9. XXX All Construction and/or Maintenance on the Department's right-of-way shall conform to Federal Manual on Uniform Traffic Control Devices (MUTCD), the Department's most current manual of the Roadway and Traffic Design Standards Specifications for Road and Bridge Construction.
10. XXX Pre and Final Inspections are required by FDOT Permits Office and the assigned inspector.
11. XXX A pre-construction review of the construction planned under the permit shall be mandatory. The Permit tee shall make contact with the Lake City, Permits Office at (904) 961-7180 or 961-7193, a minimum of 48 hours in advance of the Permit tee's planned start date so as to arrange a mutually time to meet. Failure by the Permit tee to meet this requirement can be reason for revocation of the approved permit.
12. XXX If proposed permitted work limits are within a State Roadway Construction Area that is proposed or underway then the permit tee shall schedule commencement date and all planned work under this permit with the State FDOT's contract representative in charge of on-site project operational responsibilities.
13. XXX Final approved permit shall adhere to the signed and sealed plans, with no plan substitutions once approved.

Approved
2024-D-292-00018
Dan Morgan
2/20/2025

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
DRAINAGE CONNECTION PERMIT

FORM 592-13
ROADWAY DESIGN
10/88
Page 1 of 3

To be completed by DOT

Drainage Connection Permit Application No. 2007-D-292-2
State Road No. 93 (I-75 SB) Construction Project No. _____
Section No. 29180 Station to _____ FROM _____ TO _____
Milepost 18.381+- +- Approx. _____

To be completed by Applicant

I, Carolyn Woolsey 386-755-5862
(NAME OF APPLICANT) (TELEPHONE NO.)
4784 US Highway 90 Lake City Florida 32055
(MAILING ADDRESS) (CITY) (STATE) (ZIP)

having read the terms and conditions which follow, request permission to construct and operate a drainage connection between (DESCRIBE YOUR FACILITY)

Cross Roads Commercial Park stormwater pond. Outfall Structure includes a Type C Inlet and 18" HDPE pipe.

and the facilities of the Department of Transportation by construction of a
(DESCRIBE PROPOSED CONNECTION)

Concrete Mitered End Section which will tie into existing concrete ditch pavement.

on the Department's right of way at the following location:

Section: 2918000 MP: 18.381

on State Road No. 93 U.S. Highway No. I-75 County Columbia

Approved
2024-D-292-00018
Dan Morgan
2/20/2025

To be completed by DOT

1. This permit is a license for permissive use only and does not convey any property rights either in real estate or material, or any exclusive privilege, and it does not authorize any injury to private property or invasion of private rights, or any infringement of Federal, State or local laws or regulations; nor does it obviate the necessity of obtaining any required state or local approvals.
2. The drainage connection as authorized herein shall be constructed and thereafter maintained in accordance with the documents attached hereto and incorporated by reference herein. All construction on the Department's right of way shall conform to Department specifications and the Department's manual on Traffic Controls and Safe Practices for Street and Highway Construction, Maintenance and Utility Operation. Such construction shall be subject to the supervision and approval of the Department, and the Department may at any time make such inspections as it deems necessary to assure that the drainage connection is in compliance with this permit.
3. The entire expense of construction within the Department right of way, including replacement of existing pavement or other existing features, shall be borne by the permittee.
4. The permittee shall maintain that portion of the drainage connection authorized herein located on his property in good condition. The Department shall maintain that portion of the drainage connection authorized herein located within its right of way.
5. If the drainage connection is not constructed, operated or maintained in accordance with this permit, the permit may be suspended or revoked. In this event modification or removal of any portion of the drainage connection from the Department's right of way shall be at the permittee's expense.
6. The Department reserves the right to modify or remove the drainage connection to prevent damage or in conjunction with road improvements.
7. The permittee shall make no attempt to forbid the full and free use by the public of all navigable waters at or adjacent to the drainage connection.
8. It is understood and agreed that the rights and privileges herein set out are granted only to the extent of the Department's right, title, and interest in the land to be entered upon and used by the permittee, and the permittee will, at all times, assume all risk and indemnify, defend and save harmless the Department from and against all loss, damage, cost or expense arising in any manner on account of the exercise or attempted exercises by said permittee of these rights and privileges, regardless of the respective degrees of fault of the parties.
9. The permittee shall notify the Department of Transportation Maintenance Office located at 710 NW LAKE JEFFRE RD., SUITE 101L CITY, FL. 32055 Telephone (386) 961-7180 24 hours in advance of starting any work on the drainage connection authorized by this permit and also 24 hours prior to any work within the right of way. Construction of any work on the right of way shall be completed within 30 days after such notification. If such work is not completed within 30 days after such notification, the permittee shall notify the Department of the anticipated completion date.
10. Utilities, including gas lines, may be located within the right of way. Prior to beginning work the permittee shall contact the Clerk of Circuit Court for the name, address and telephone number of any gas line owner who will provide information upon request on possible conflicts between the gas line and the permittee's drainage connection. The permittee shall also locate all utilities and obtain information from the utility owners as to possible conflicts between utilities and the drainage connection. The permittee shall be solely responsible for any damage to or conflicts with gas lines, utilities and/or third persons.
11. The permit shall expire if construction on the drainage connection is not begun within one year of the date of approval and if construction on the drainage connection is not completed by (Date) JAN 30 2009
12. All the provisions of this permit shall be binding on any signee or successor in interest of the permittee.

Approved
2024-D-292-00018
Dan Morgan
2/20/2025

To be completed by the Applicant

The above conditions are hereby accepted and agreed to this 31 day of May, 2007.
(If this application is signed by a representative of the permittee, then a letter of authorization must be attached.)

Witnessed By: Brett Cunniff
176 NW Lake Jeffrey Rd Lake City, FL 32055
(MAILING ADDRESS)(CITY)(STATE)(ZIP)

Applicant: Candy Johnson
(MAILING ADDRESS)

Witnessed By: _____

(MAILING ADDRESS)(CITY)(STATE)(ZIP)

(CITY)(STATE)(ZIP)

To be completed by DOT

The above request has been reviewed and has been found to meet the regulations as prescribed, and is hereby approved, subject to the following special conditions:

THE DEPT OF TRANSPORTATION BY ISSUANCE OF THIS PERMIT ASSUMES NO RESPONSIBILITY FOR DISPOSAL OF WATER OR MATERIALS OF ANY KIND BY THE PERMITTEE, AND THE PERMITTEE BY ACCEPTANCE OF THIS PERMIT ASSUMES RESPONSIBILITY FOR SUCH DISPOSAL INCLUDING DRAINAGE.

Department of Transportation:

Neil B. Mills
(SIGNATURE)

PERMITS, COORDINATOR
(TITLE)

JAN 30 2008

(DATE OF APPROVAL)

To be completed by the Applicant

The above special conditions are hereby accepted and agreed to this 31 day of May, 2007.

Witnessed By: Brett Cunniff
176 NW Lake Jeffrey Rd Lake City, FL 32055
(MAILING ADDRESS)(CITY)(STATE)(ZIP)

Applicant: Candy Johnson

Witnessed By: _____

(MAILING ADDRESS)(CITY)(STATE)(ZIP)

Approved
2024-D-292-00018
Dan Morgan
2/20/2025



Florida Department of Transportation

JEB BUSH
GOVERNOR

1109 South Marion Avenue
Lake City, Florida 32025-5874

DENVER J. STUTLER, JR.
SECRETARY

MEMORANDUM

To: ALL FDOT Drainage Connection/Driveway/Utility Permit Applicants
in Baker, Bradford, Columbia, Dixie, Gilchrist, Hamilton, Madison, Nassau, Levy,
Putnam, Suwannee, Taylor, Union, & Lafayette Counties.

From: Permit Engineer/Coordinator

Subject: National Pollutant Discharge Elimination System (NPDES) Permits

The Department is requesting that a Copy of your Notice of Intent (NOI) to use the Generic Permit for Storm Water Discharge from Large and Small Construction Activities, pursuant to Florida Department of Environmental Protection Rule 62-621 Florida Administrative Code, be submitted as part of your application.

Please complete the applicable items below:

Project Name: Cross Roads Commercial Park

Project Address / Location: N/A

☒ I certify that the referenced project is over 1.0 Acre of disturbed area and a copy of the NOI is attached for your records.

☐ I certify that the referenced project is less than 1.0 Acre of disturbed area and an NOI is not required

Signature:

Printed Name: Carolyn Woolsey

☒ Owner ☐ Agent ☐ Contractor ☐ Developer

****Return this Document and any required attachment along with your Permit Application****



**NOTICE OF INTENT
TO USE
GENERIC PERMIT FOR STORMWATER
DISCHARGE FROM LARGE AND SMALL
CONSTRUCTION ACTIVITIES
(RULE 62-621.300(4), F.A.C.)**

This Notice of Intent (NOI) form is to be completed and submitted to the Department before use of the Generic Permit for Stormwater Discharge From Large and Small Construction Activities provided in Rule 62-621.300(4), F.A.C. The type of project or activity that qualifies for use of the generic permit, the conditions of the permit, and additional requirements to request coverage are specified in the generic permit document [DEP Document 62-621.300(4)(a)]. **The appropriate generic permit fee, as specified in Rule 62-4.050(4)(d), F.A.C., shall be submitted with this NOI in order to obtain permit coverage. Permit coverage will not be granted without submittal of the appropriate generic permit fee.** You should familiarize yourself with the generic permit document and the attached instructions before completing this NOI form. **Please print or type information in the appropriate areas below.**

I. IDENTIFICATION NUMBER: Project ID Crossroads Commercial Park

II. APPLICANT INFORMATION:

A. Operator Name: Carolyn Woolsey		
B. Address: 4784 US Hwy 90		
C. City: Lake City	D. State: FL	E. Zip Code: 32055
F. Operator Status:	G. Responsible Authority:	
	H. Phone No.:	

III. PROJECT/SITE LOCATION INFORMATION:

A. Project Name: Crossroads		
B. Project Address/Location: SR 93 MP 18.341		
C. City: Lake City	D. State: FL	E. Zip Code: 32055
F. County: Columbia County	G. Latitude: ° ' " Longitude: ° ' "	
H. Is the site located on Indian lands? ☐ Yes ☐ No		I. Water Management District: SRWMD
J. Project Contact: Carolyn Woolsey		K. Phone No.: 386-755-5862

IV. PROJECT/SITE ACTIVITY INFORMATION:

A. Indicate whether Large or Small Construction (check only one):		
☒ Large Construction (Project will disturb five or more acres of land.)		
☐ Small Construction (Project will disturb one or more acres but less than five acres of land.)		
B. Approximate total area of land disturbance from commencement through completion of construction: 6.0 Acres		
C. SWPPP Location ☒ Address in Part II above ☐ Address in Part III above ☐ Other address (specify below)		
D. SWPPP Address:		
E. City:		F. State:
		G. Zip Code:
H. Construction Period Start Date: July 2007 Completion Date: December 2007		

V. DISCHARGE INFORMATION

A. MS4 Operator Name (if applicable): FDOT MS4
B. Receiving Water Name:

VI. CERTIFICATION¹:

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.

Name and Official Title (Type or Print):

Signature:



Date Signed:

6/18/07

¹ Signatory requirements are contained in Rule 62-620.305, F.A.C.

INSTRUCTIONS – DEP FORM 62-621.300(4)(b)
**NOTICE OF INTENT (NOI) TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE
AND SMALL CONSTRUCTION ACTIVITIES**

Who Must File an NOI:

Federal law at 40 CFR Part 122 prohibits the point source discharge of pollutants, including the discharge of stormwater associated with large construction activities as defined at 40 CFR 122.26(b)(14)(x) or small construction activities as defined at 40 CFR 122.26(b)(15), to waters of the United States without a National Pollutant Discharge Elimination System (NPDES) permit. Under the State of Florida's authority to administer the NPDES stormwater program at 403.0885, F.S., operators that have stormwater discharge associated with large or small construction activities to surface waters of the State, including through a Municipal Separate Storm Sewer System (MS4), must obtain coverage either under a generic permit issued pursuant to Chapter 62-621, F.A.C., or an individual permit issued pursuant to Chapter 62-620, F.A.C.

Where to File NOI:

NOIs for coverage under this generic permit must be sent to the following address:

NPDES Stormwater Notices Center, MS #2510
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Permit Fee:

Permit fees for large and small construction activities to be covered under the generic permit are specified in Rule 62-4.050(4)(d), F.A.C. The appropriate generic permit fee (either for large or small construction activities) must be submitted along with the completed NOI in order to obtain coverage under the generic permit. **Generic permit coverage will not be granted without payment of the appropriate permit fee.**

The permit fee shall be paid by either check or money order made payable to: "Florida Department of Environmental Protection"

Part I – Identification Number

Enter the project's DEP identification number (generic permit coverage number) if known. If an ID number has not yet been assigned to this project (i.e., if this is a new project), leave this item blank.

Part II – Applicant Information

Item A.: Provide the legal name of the person, firm, contractor, public organization, or other legal entity that owns or operates the construction activity described in this NOI. The operator is the legal entity that has authority to control those activities at the project necessary to ensure compliance with the terms and conditions of the generic permit.

Items B. – E.: Provide the complete mailing address of the operator, including city, state, and zip code.

Item F.: Enter the appropriate one letter code from the list below to indicate the legal status of the operator:

F = Federal; S = State; P = Private; M = Public (other than federal or state); O = Other

Items G. - H.: Provide the name and telephone number (including area code) of the person authorized to submit this NOI on behalf of the operator (e.g., Jane Smith, President of Smith Construction Company on behalf of the operator, Smith Construction Company; John Doe, Public Works Director on behalf of the operator, City of Townsville; etc.). This should be the same person as indicated in the certification in Part VI.

Part III – Project/Site Location Information

Items A. – E.: Enter the official or legal name and complete street address, including city, state, and zip code of the project. Do not provide a P.O. Box number as the street address. If it lacks a street address, describe the project site location (e.g., intersection of State Road 1 and Smith Street).

Item F.: Enter the county in which the project is located.

Item G.: Enter the latitude and longitude, in degrees-minutes-seconds format, of the approximate center of the project.

Item H.: Indicate whether the project is located on Indian lands.

Item I.: Enter the appropriate five or six letter code from the list below to indicate the Water Management District the project is located within:

NWFWMD = Northwest Florida Water Management District
SRWMD = Suwannee River Water Management District
SFWMD = South Florida Water Management District
SWFWMD = Southwest Florida Water Management District
SJRWMD = St. John's River Water Management District

Items J. – K.: Give the name, title, and telephone number (including area code) of the project contact person. The project contact is the person who is thoroughly familiar with the project, with the facts reported in this NOI, and who can be contacted by the Department if necessary.

Part IV – Project/Site Activity Information:

Item A.: Check the appropriate box to indicate whether the project involves large construction activity or small construction activity. **Check one box only.**

"Large Construction Activity" means construction activity that results in the disturbance of five (5) or more acres of total land area. Large construction activity also includes the disturbance of less than five acres of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb five acres or more.

"Small Construction Activity" means construction activity that results in the disturbance of equal to or greater than one (1) acre and less than five (5) acres of total land area. Small construction activity also includes the disturbance of less than one acre of total land area that is part of a larger common plan of development or sale that will ultimately disturb equal to or greater than one acre and less than five acres.

Item B.: Provide the approximate total area of land disturbance in acres that the project will involve from commencement of construction through completion.

Items C. - G.: Indicate the location where the Stormwater Pollution Prevention Plan (SWPPP) can be viewed. Provide the address where the SWPPP can be viewed if other than as provided in Parts II or III of the NOI. **Note that to be eligible for coverage under the generic permit, the SWPPP must have been prepared prior to filing this NOI.**

Item H.: Enter the estimated construction start and completion dates in the MM/DD/YY format.

Part V – Discharge Information

Item A.: If stormwater from the project discharges to a municipal separate storm sewer system (MS4), enter the name of the operator of the MS4 (e.g., City of Tallahassee MS4, Orange County MS4, FDOT MS4, etc.). If stormwater from the project does not discharge to an MS4 but rather discharges to surface waters of the State, leave this item blank or indicate “N/A” and skip to Item B of this part. **Please note that if the project discharges stormwater to an MS4, you must provide the MS4 operator with a copy of the completed NOI.**

Item B.: If the project discharges stormwater to surface waters of the State, and not to an MS4, enter the name of the receiving water body to which the stormwater is discharged. Please provide the first named water body to which the stormwater from the project is discharged (e.g., Cypress Creek, Tampa Bay, unnamed ditch to St. Johns River, Tate’s Hell Swamp, etc.).

Part VI – Certification

Type or print the name and official title of the person signing the certification. Please note that this should be the same person as indicated in Item II.G. as the Responsible Authority. Sign and date the certification.

Section 403.161, F.S., provides severe penalties for submitting false information on this application (NOI) or any reports or records required by a permit. There are both civil and criminal penalties, in addition to the revocation of permit coverage for submitting false information.

Rule 62-620.305, F.A.C., requires that the NOI and any reports required by the permit to be signed as follows:

- A. For a corporation, by a responsible corporate officer as described in Rule 62-620.305, F.A.C.;
- B. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or,
- C. For a municipality, state, federal or other public facility, by a principal executive officer or elected official.



GTC Design Group, LLC
176 NW Lake Jeffery Rd
Lake City, FL 32055
(Phone) 386.754.3677
(Fax) 386.362.6133
bcrews@gtcdesigngroup.com

January 10, 2007

Mr. Kevin Wright
Suwannee River Water Management District
9225 CR 49
Live Oak, FL 32064

SUBJECT: Crossroads Commercial Park

In response to your request for additional information:

Pre vs. Post Volume Requirements for Stormwater Pond

Please find the attached set of plans and stormwater calculations. The pond and outfall structure have been modified. After further review, the hydraulic soil group of the property has been changed to Soil Group C.

FDOT Drainage Permit

We are in the process of getting the required permits for access to SR 247 and using FDOT's existing stormwater system as an outfall for the proposed pond.

If you have any questions or require additional information, please contact me at your convenience.

Thank you,

Brett Crews, P.E.
Project Engineer

Attachments: Stormwater Calculations Package, Construction Plans

Cc: File

Approved
2024-D-292-00018
Dan Morgan
2/20/2025



CROSSROADS

COMMERCIAL PARK

STORMWATER CALCULATIONS

2nd SUBMITTAL

Chadwick Williams, P.E. 61344
P.O. Box 187
130 West Howard Street
Live Oak, FL 32064
Ph. (386) 362-3678
Fax (386) 362-6133

Approved
2024-D-292-00018
Dan Morgan
2/20/2025

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STORMWATER CALCULATIONS	4-10
PONDS 3.2 DATA – PRE-DEVELOPMENT	4 Pages
PONDS 3.2 DATA – POST DEVELOPMENT	6 Pages

SUMMARY

Mrs. Carolyn Woolsey is proposing to develop +/- 6.67. The Commercial Park will consist of 27,825 sf of buildings, paved parking and stormwater management system. Total proposed impervious area is 2.9ac or 51% of the project site.

The stormwater pond has been designed using the 100-year critical storm event as wet detention system. Calculations performed in the design of the stormwater ponds are included in this package.

Two soil borings were taken at the project site. Data from these borings were used to determine the seasonal high water table and soil parameters used in the stormwater calculations. A copy of the soil report submitted by Paul Lloyd Soil Scientist is included in this package.

This stormwater runoff will be directed around the proposed stormwater system and on its pre-developed path, a FDOT drainage ditch located near the Northwest corner of the property. Following is a description of the drainage basin and stormwater pond.

Following is a description of the drainage basin and stormwater pond.

DRAINAGE BASIN

Drainage Area: 5.70 *ac*

Impervious Area (Pavement): 2.07 *ac*

Impervious Area (Buildings and Sidewalks): 0.83 *ac*

STORMWATER POND

Pond Area: 1.04 *ac*

Pond Top Elevation: 150.5

Pond Bottom Elevation: 144.0

Elevation Treatment Volume Reached: 148.8

Max Staging Elevation: 150.2

Seasonal High Water Table Elevation: 148.0

Soil Infiltration Rate: 9 *ft/day*

Vertical Infiltration was not considered

A Type C Inlet with a 15" weir and 1.75" bleed-down orifice will act as an outlet control and emergency overflow structure. The inlet will direct stormwater runoff on its pre-developed path to an existing ditch near the northwest corner of the property.

CROSSROADS COMMERCIAL PARK

STORMWATER POND

RUNOFF AND WATER QUALITY

CURVE NUMBER (CN) AND RUNOFF COEFFICIENT (C) CALCULATIONS:

$$CN_c = \frac{\sum CN_i A_i}{DA} \quad C_c = \frac{\sum C_i A_i}{DA}$$

PRE-DEVELOPMENT (CN) AND (C):

	CN _i	C _i	A _i (FT ²)	A _i (AC)	A _i CN _i	A _i C _i
PROJECT AREA			290724.00	6.67		
DRAINAGE AREA (DA)			248393.00	5.70		
EXISTING IMPERVIOUS	98.00	0.95	0.00	0.00	0.00	0.0
GREEN AREA	70.00	0.19	248393.00	5.70	399.16	47194.7
CN_{PRE} =	70					
C_{PRE} =		0.19				

POST-DEVELOPMENT (CN) AND (C):

	CN _i	C _i	A _i (FT ²)	A _i (AC)	A _i CN _i	A _i C _i
PROJECT AREA			290724.00	6.67		
DRAINAGE AREA (DA)			248393.00	5.70		
PAVEMENT	98.00	0.95	90365.00	2.07	203.30	85846.8
BUILDINGS	98.00	0.95	27825.00	0.64	62.60	26433.8
SIDEWALKS	98.00	0.95	8419.00	0.19	18.94	7998.1
STORMWATER BASIN	98.00	0.95	35035.00	0.80	78.82	33283.3
GREEN AREA	74.00	0.25	86749.00	1.99	147.37	21687.3
OTHER (2)	0.00		0.00	0.00	0.00	0.0
CN_{POST} =	90					
C_{POST} =		0.71				

IMPERVIOUS AREA (%): = 51

CROSSROADS COMMERCIAL PARK

STORMWATER POND

RUNOFF AND WATER QUALITY

WATER QUALITY CALCULATIONS:

$$\text{TREATMENT VOLUME } (V_T) = C_{\text{POST}} * DA * P(\text{in})$$

WHERE P (in) = 2.00

	V_T (AC-FT)	V_T (FT ³)
RUNOFF FROM FIRST 2-INCHES OF RAIN	0.67	29208
1-INCH OF RUNOFF FROM SITE	0.48	20699

POND DATA

TOP ELEV (FT) = 150.5

CONTROL ELEV (FT) = 148.0

BOTTOM ELEV (FT) = 144.0

SS (H:1) = 4.0

148.80 = ELEVATION TREATMENT VOLUME REACHED

STAGE VS. STORAGE:

ELEV (FT)	A (FT ²)	VOL (CF)	T VOL (CF)	T VOL (AC-FT)
148.00	35035.00	0.00	0.00	0.00
148.10	35447.36	3520.57	3520.57	0.08
148.20	35859.72	3561.77	7082.34	0.16
148.30	36272.08	3602.96	10685.31	0.25
148.40	36684.44	3644.16	14329.47	0.33
148.50	37096.80	3685.35	18014.82	0.41
148.60	37509.16	3726.55	21741.37	0.50
148.70	37921.52	3767.74	25509.11	0.59
148.80	38333.88	3808.94	29318.05	0.67
148.90	38746.24	3850.13	33168.18	0.76
149.00	39158.60	3891.33	37059.51	0.85
149.10	39570.96	3932.52	40992.04	0.94
149.20	39983.32	3973.72	44965.75	1.03
149.30	40395.68	4014.91	48980.67	1.12
149.40	40808.04	4056.11	53036.78	1.22
149.50	41220.40	4097.30	57134.08	1.31
149.60	41632.76	4138.50	61272.58	1.41
149.70	42045.12	4179.69	65452.27	1.50
149.80	42457.48	4220.89	69673.16	1.60
149.90	42869.84	4262.08	73935.24	1.70
150.00	43282.20	4303.28	78238.52	1.80
150.10	43694.56	4344.47	82582.99	1.90
150.20	44106.92	4385.67	86968.66	2.00
150.30	44519.28	4426.86	91395.52	2.10
150.40	44931.64	4468.06	95863.58	2.20
150.50	45344.00	4509.25	100372.83	2.30

CROSSROADS COMMERCIAL PARK

STORMWATER POND

PERMANENT POOL AND BLEED DOWN ORIFICE CALCULATIONS

MINIMUM PERMANENT POOL VOLUME (PPV_{MIN})

HYDRAULIC RESIDENCE TIME (DAYS) = HRT = 21.00 ***
 WET SEASON RAINFALL DEPTH (IN) = R = 30.00

*** A RESIDENCE TIME OF 21 DAYS HAS BEEN APPLIED RATHER THAN 14 DAYS SINCE
 THERE WILL BE NO LITTORAL ZONE

$$\text{PPV}_{\text{MIN}} = \text{DA} \cdot \text{C}_{\text{POST}} \cdot \text{HRT} \cdot \text{R} / (153 \cdot 12) = 1.38 \text{ AC-FT}$$

$$= 60134.48 \text{ CF}$$

BLEED-DOWN ORIFICE CALCULATIONS

TREATMENT VOLUME = 29208.18 FT³

WEIR ELEVATION = 149.20

1/2*TREATMENT VOLUME = 14604.09 FT³

ELEVATION AT WHICH 1/2 TREATMENT
 VOLUME HAS BEEN RELEASED = 148.80

DRAWDOWN DEPTH = 0.93 FT

MINIMUM FLOW RATE (60 HOURS) = 0.068 CFS

MAXIMUM FLOW RATE (48 HOURS) = 0.085 CFS

MINIMUM ORIFICE AREA = 0.015 FT²
 2.100 IN²
 1.64 IN DIAMETER

MAXIMUM ORIFICE AREA = 0.018 FT²
 2.625 IN²
 1.83 IN DIAMETER

SELECTED ORIFICE SIZE = 1.750 IN DIAMETER

CROSSROADS COMMERCIAL PARK

STORMWATER POND

PERMANENT POOL AND BLEED DOWN ORIFICE CALCULATIONS

PERMANENT POOL

STAGE VS. STORAGE:

ELEV (FT)	A (FT ²)	VOL (CF)	T VOL (CF)	T VOL (AC-FT)
148.00	35035.00	0.00	0.00	0.00
147.90	34657.13	3481.10	3481.10	0.08
147.80	34279.25	3443.35	6924.46	0.16
147.70	33901.38	3405.60	10330.06	0.24
147.60	33523.50	3367.85	13697.92	0.31
147.50	33145.63	3330.10	17028.02	0.39
147.40	32767.75	3292.36	20320.38	0.47
147.30	32389.88	3254.61	23574.98	0.54
147.20	32012.00	3216.86	26791.84	0.62
147.10	31634.13	3179.11	29970.94	0.69
147.00	31256.25	3141.36	33112.30	0.76
146.90	30878.38	3103.61	36215.91	0.83
146.80	30500.50	3065.86	39281.76	0.90
146.70	30122.63	3028.11	42309.87	0.97
146.60	29744.75	2990.36	45300.22	1.04
146.50	29366.88	2952.61	48252.83	1.11
146.40	28989.00	2914.86	51167.68	1.17
146.30	28611.13	2877.11	54044.79	1.24
146.20	28233.25	2839.36	56884.14	1.31
146.10	27855.38	2801.61	59685.75	1.37
146.00	27477.50	2763.86	62449.61	1.43
145.90	27099.63	2726.11	65175.71	1.50
145.80	26721.75	2688.36	67864.07	1.56
145.70	26343.88	2650.61	70514.67	1.62
145.60	25966.00	2612.86	73127.53	1.68
145.50	25588.13	2575.11	75702.63	1.74
145.40	25210.25	2537.36	78239.99	1.80
145.30	24832.38	2499.61	80739.59	1.85
145.20	24454.50	2461.86	83201.45	1.91
145.10	24076.63	2424.11	85625.55	1.97
145.00	23698.75	2386.36	88011.91	2.02

CROSSROADS COMMERCIAL PARK

STORMWATER POND

PRE VS. POST DEVELOPMENT

MAXIMUM DISCHARGE RATES

Scenario	Rainfall Distribution	Discharge Rate - Pre (ft ³ /s)***	Discharge Rate - Post (ft ³ /s)***	Pre vs. Post	Evaluation
1	FDOT 1 Hour (x1)	17.6067	1.1274	-16.4793	OK
2	FDOT 2 Hour (x1)	15.9224	2.2779	-13.6445	OK
3	FDOT 4 Hour (x1)	10.2424	3.5342	-6.7082	OK
4	FDOT 8 Hour (x1)	12.5651	4.0783	-8.4868	OK
5	FDOT 24 Hour (x1)	4.2386	2.9954	-1.2432	OK
6	FDOT 72 Hour (x1)	3.1886	2.7707	-0.4179	OK
7	FDOT 168 Hour (x1)	2.2161	2.1873	-0.0288	OK
8	FDOT 240 Hour (x1)	2.9753	2.9576	-0.0177	OK

*** DISCHARGE RATES ARE FROM PONDS 3.2 REFINED DRAWDOWN ANALYSIS

MAXIMUM CUMALITIVE DISCHARGE VOLUME

Scenario	Rainfall Distribution	Discharge Volume - Pre (ft ³ /s)***	Discharge Volume - Post (ft ³ /s)***	Pre vs. Post	Evaluation
1	FDOT 1 Hour (x1)	30401.2	3839.8	-26561.4	OK
2	FDOT 2 Hour (x1)	43806.5	12361.9	-31444.6	OK
3	FDOT 4 Hour (x1)	59538.6	26455.8	-33082.8	OK
4	FDOT 8 Hour (x1)	81347.1	55525.5	-25821.6	OK
5	FDOT 24 Hour (x1)	126212.5	112397.8	-13814.7	OK
6	FDOT 72 Hour (x1)	174695.8	165858	-8837.8	OK
7	FDOT 168 Hour (x1)	205691.1	192112.3	-13578.8	OK
8	FDOT 240 Hour (x1)	246922.1	240969.8	-5952.3	OK

*** DISCHARGE VOLUMES ARE FROM PONDS 3.2 REFINED DRAWDOWN ANALYSIS

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Project Data

Project Name: Floor N Decor Commercial Site
Simulation Description: Pond - Pre
Project Number: PF06-163
Engineer : Brett Crews, E.I.
Supervising Engineer: Chad Williams, P.E.
Date: 01-05-2007

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Scenario Input Data

Scenario 1 :: FDOT 1 Hour (x1)

Hydrograph Type: Inline SCS
• Modflow Routing: Not routed
Repetitions: 1

Basin Area (acres) 5.700
Time Of Concentration (minutes) 10.0
DCIA (%) 0.0
Curve Number 70
Design Rainfall Depth (inches) 4.2
Design Rainfall Duration (hours) 1.0
Shape Factor UHG 323
Rainfall Distribution FDOT 1 Hour

Initial ground water level (ft datum) default, 0.00

No times after storm specified.

Scenario 2 :: FDOT 2 Hour (x1)

Hydrograph Type: Inline SCS
• Modflow Routing: Not routed
Repetitions: 1

Basin Area (acres) 5.700
Time Of Concentration (minutes) 10.0
DCIA (%) 0.0
Curve Number 70
Design Rainfall Depth (inches) 5.1
Design Rainfall Duration (hours) 2.0
Shape Factor UHG 323
Rainfall Distribution FDOT 2 Hour

Initial ground water level (ft datum) default, 0.00

No times after storm specified.

Scenario 3 :: FDOT 4 Hour (x1)

Hydrograph Type: Inline SCS
• Modflow Routing: Not routed
Repetitions: 1

Basin Area (acres) 5.700
Time Of Concentration (minutes) 10.0
DCIA (%) 0.0
Curve Number 70
Design Rainfall Depth (inches) 6.1
Design Rainfall Duration (hours) 4.0
Shape Factor UHG 323
Rainfall Distribution FDOT 4 Hour

Initial ground water level (ft datum) default, 0.00

No times after storm specified.

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Scenario Input Data (cont'd.)

Scenario 4 :: FDOT 8 Hour (x1)

Hydrograph Type: Inline SCS
• **Modflow Routing:** **Not routed**
Repetitions: 1

Basin Area (acres) 5.700
Time Of Concentration (minutes) 10.0
DCIA (%) 0.0
Curve Number 70
Design Rainfall Depth (inches) 7.4
Design Rainfall Duration (hours) 8.0
Shape Factor UHG 323
Rainfall Distribution FDOT 8 Hour

Initial ground water level (ft datum) default, 0.00

No times after storm specified.

Scenario 5 :: FDOT 24 Hour (x1)

Hydrograph Type: Inline SCS
• **Modflow Routing:** **Not routed**
Repetitions: 1

Basin Area (acres) 5.700
Time Of Concentration (minutes) 10.0
DCIA (%) 0.0
Curve Number 70
Design Rainfall Depth (inches) 9.8
Design Rainfall Duration (hours) 24.0
Shape Factor UHG 323
Rainfall Distribution FDOT 24 Hour

Initial ground water level (ft datum) default, 0.00

No times after storm specified.

Scenario 6 :: FDOT 72 Hour (x1)

Hydrograph Type: Inline SCS
• **Modflow Routing:** **Not routed**
Repetitions: 1

Basin Area (acres) 5.700
Time Of Concentration (minutes) 10.0
DCIA (%) 0.0
Curve Number 70
Design Rainfall Depth (inches) 12.4
Design Rainfall Duration (hours) 72.0
Shape Factor UHG 323
Rainfall Distribution FDOT 72 Hour

Initial ground water level (ft datum) default, 0.00

No times after storm specified.

Scenario Input Data (cont'd.)

Scenario 7 :: FDOT 168 Hour (X1)

Hydrograph Type: Inline SCS
• Modflow Routing: Not routed
Repetitions: 1

Basin Area (acres) 5.700
Time Of Concentration (minutes) 10.0
DCIA (%) 0.0

Curve Number 70
Design Rainfall Depth (inches) 14.0
Design Rainfall Duration (hours) 168.0

Shape Factor UHG 323
Rainfall Distribution FDOT 168 Hour
Initial ground water level (ft datum) default, 0.00

No times after storm specified.

Scenario 8 :: FDOT 240 Hour (X1)

Hydrograph Type: Inline SCS
• Modflow Routing: Not routed
Repetitions: 1

Basin Area (acres) 5.700
Time Of Concentration (minutes) 10.0
DCIA (%) 0.0

Curve Number 70
Design Rainfall Depth (inches) 16.1
Design Rainfall Duration (hours) 240.0

Shape Factor UHG 323
Rainfall Distribution FDOT 240 Hour
Initial ground water level (ft datum) default, 0.00

No times after storm specified.

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Project Data

Project Name: Crossroads Commercial Park
Simulation Description: Pond - Post
Project Number: PF06-163
Engineer : Brett Crews, E.I.
Supervising Engineer: Chad Williams, P.E.
Date: 01-10-2007

Aquifer Data

Base Of Aquifer Elevation, [B] (ft datum): 140.00
Water Table Elevation, [WT] (ft datum): 148.00
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day): 9.00
Fillable Porosity, [n] (%): 30.00
Vertical infiltration was not considered.

Geometry Data

Equivalent Pond Length, [L] (ft): 380.0
Equivalent Pond Width, [W] (ft): 119.0
Ground water mound is expected to intersect the pond bottom

Stage vs Area Data

Stage (ft datum)	Area (ft ²)
144.00	19920.0
148.00	35035.0
150.50	45344.0

Discharge Structures

Discharge Structure #1 is active as weir

Structure Parameters

Description: Type C Modified Inlet w/ Weir

Weir elevation, (ft datum): 149.2
Weir coefficient: 3.13
Weir length, (ft): 1.25
Weir exponent: 1.5

Tailwater - disabled, free discharge

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Discharge Structures (cont'd.)

Discharge Structure #2 is active as orifice

Structure Parameters

Description: Bleed Down Orifice

Orifice elevation, (ft datum):	148.1
Orifice coefficient:	7.9
Orifice area, (ft ²):	.017
Orifice exponent:	.5

Tailwater - disabled, free discharge

Discharge Structure #3 is inactive

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Scenario Input Data (cont'd.)

Scenario 4 :: FDOT 8 Hour (x1)

Hydrograph Type:	Inline SCS
Modflow Routing:	Routed with infiltration
Repetitions:	1
Basin Area (acres)	5.700
Time Of Concentration (minutes)	10.0
DCIA (%)	0.0
Curve Number	90
Design Rainfall Depth (inches)	7.4
Design Rainfall Duration (hours)	8.0
Shape Factor	UHG 323
Rainfall Distribution	FDOT 8 Hour
Initial ground water level (ft datum)	default, 148.00
No times after storm specified.	

Scenario 5 :: FDOT 24 Hour (x1)

Hydrograph Type:	Inline SCS
Modflow Routing:	Routed with infiltration
Repetitions:	1
Basin Area (acres)	5.700
Time Of Concentration (minutes)	10.0
DCIA (%)	0.0
Curve Number	90
Design Rainfall Depth (inches)	9.8
Design Rainfall Duration (hours)	24.0
Shape Factor	UHG 323
Rainfall Distribution	FDOT 24 Hour
Initial ground water level (ft datum)	default, 148.00
No times after storm specified.	

Scenario 6 :: FDOT 72 Hour (x1)

Hydrograph Type:	Inline SCS
Modflow Routing:	Routed with infiltration
Repetitions:	1
Basin Area (acres)	5.700
Time Of Concentration (minutes)	10.0
DCIA (%)	0.0
Curve Number	90
Design Rainfall Depth (inches)	12.4
Design Rainfall Duration (hours)	72.0
Shape Factor	UHG 323
Rainfall Distribution	FDOT 72 Hour
Initial ground water level (ft datum)	default, 148.00
No times after storm specified.	

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Worst Case Scenarios

Selection Criteria: <default - All scenarios with valid results>

Maximum Stage = 150.1954 ft datum

For scenario 4 at Time = 5.177778 hours

Scenarios considered: 1 to 8

Maximum Positive Inflow Rate = 34.68479 ft³/s

For scenario 1 at Time = .6444445 hours

Scenarios considered: 1 to 8

Maximum Positive Cumulative Inflow Volume = 307972.6 ft³

For scenario 8 at Time = 240.8 hours

Scenarios considered: 1 to 8

Maximum Positive Infiltration Rate = .5871341 ft³/s

For scenario 1 at Time = .8888889 hours

Scenarios considered: 1 to 8

Maximum Positive Cumulative Infiltration Volume = 21475.49 ft³

For scenario 8 at Time = 240.9111 hours

Scenarios considered: 1 to 8

Maximum Positive Discharge Rate = 4.078345 ft³/s

For scenario 4 at Time = 5.177778 hours

Scenarios considered: 1 to 8

Maximum Positive Cumulative Discharge Volume = 240969.8 ft³

For scenario 8 at Time = 240.9111 hours

Scenarios considered: 1 to 8



CROSSROADS

COMMERCIAL PARK

STORMWATER CALCULATIONS

2nd SUBMITTAL

Chad Williams
1/10/07

Chadwick Williams, P.E. 61344
P.O. Box 187
130 West Howard Street
Live Oak, FL 32064
Ph. (386) 362-3678
Fax (386) 362-6133

Approved
2024-D-292-00018
Dan Morgan
2/20/2025

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SUMMARY

Mrs. Carolyn Woolsey is proposing to develop +/- 6.67. The Commercial Park will consist of 27,825 sf of buildings, paved parking and stormwater management system. Total proposed impervious area is 2.9ac or 51% of the project site.

The stormwater pond has been designed using the 100-year critical storm event as wet detention system. Calculations performed in the design of the stormwater ponds are included in this package.

Two soil borings were taken at the project site. Data from these borings were used to determine the seasonal high water table and soil parameters used in the stormwater calculations. A copy of the soil report submitted by Paul Lloyd Soil Scientist is included in this package.

This stormwater runoff will be directed around the proposed stormwater system and on its pre-developed path, a FDOT drainage ditch located near the Northwest corner of the property. Following is a description of the drainage basin and stormwater pond.

Following is a description of the drainage basin and stormwater pond.

DRAINAGE BASIN

Drainage Area: 5.70 *ac*

Impervious Area (Pavement): 2.07 *ac*

Impervious Area (Buildings and Sidewalks): 0.83 *ac*

STORMWATER POND

Pond Area: 1.04 *ac*

Pond Top Elevation: 150.5

Pond Bottom Elevation: 144.0

Elevation Treatment Volume Reached: 148.8

Max Staging Elevation: 150.2

Seasonal High Water Table Elevation: 148.0

Soil Infiltration Rate: 9 *ft/day*

Vertical Infiltration was not considered

A Type C Inlet with a 15" weir and 1.75" bleed-down orifice will act as an outlet control and emergency overflow structure. The inlet will direct stormwater runoff on its pre-developed path to an existing ditch near the northwest corner of the property.

CROSSROADS COMMERCIAL PARK

STORMWATER POND

RUNOFF AND WATER QUALITY

CURVE NUMBER (CN) AND RUNOFF COEFFICIENT (C) CALCULATIONS:

$$CN_c = \frac{\sum CN_i A_i}{DA}$$

$$C_c = \frac{\sum C_i A_i}{DA}$$

PRE-DEVELOPMENT (CN) AND (C):

	CN _i	C _i	A _i (FT ²)	A _i (AC)	A _i CN _i	A _i C _i
PROJECT AREA			290724.00	6.67		
DRAINAGE AREA (DA)			248393.00	5.70		
EXISTING IMPERVIOUS	98.00	0.95	0.00	0.00	0.00	0.0
GREEN AREA	70.00	0.19	248393.00	5.70	399.16	47194.7
CN_{PRE} =	70					
C_{PRE} =		0.19				

POST-DEVELOPMENT (CN) AND (C):

	CN _i	C _i	A _i (FT ²)	A _i (AC)	A _i CN _i	A _i C _i
PROJECT AREA			290724.00	6.67		
DRAINAGE AREA (DA)			248393.00	5.70		
PAVEMENT	98.00	0.95	90365.00	2.07	203.30	85846.8
BUILDINGS	98.00	0.95	27825.00	0.64	62.60	26433.8
SIDEWALKS	98.00	0.95	8419.00	0.19	18.94	7998.1
STORMWATER BASIN	98.00	0.95	35035.00	0.80	78.82	33283.3
GREEN AREA	74.00	0.25	86749.00	1.99	147.37	21687.3
OTHER (2)	0.00		0.00	0.00	0.00	0.0
CN_{POST} =	90					
C_{POST} =		0.71				

IMPERVIOUS AREA (%): = 51

CROSSROADS COMMERCIAL PARK

STORMWATER POND

RUNOFF AND WATER QUALITY

WATER QUALITY CALCULATIONS:

$$\text{TREATMENT VOLUME } (V_T) = C_{\text{POST}} * DA * P(\text{in})$$

$$\text{WHERE } P(\text{in}) = 2.00$$

	V_T (AC-FT)	V_T (FT ³)
RUNOFF FROM FIRST 2-INCHES OF RAIN	0.67	29208
1-INCH OF RUNOFF FROM SITE	0.48	20699

POND DATA

$$\text{TOP ELEV (FT)} = 150.5$$

$$\text{CONTROL ELEV (FT)} = 148.0$$

$$\text{BOTTOM ELEV (FT)} = 144.0$$

$$\text{SS (H:1)} = 4.0$$

$$148.80 = \text{ELEVATION TREATMENT VOLUME REACHED}$$

STAGE VS. STORAGE:

ELEV (FT)	A (FT ²)	VOL (CF)	T VOL (CF)	T VOL (AC-FT)
148.00	35035.00	0.00	0.00	0.00
148.10	35447.36	3520.57	3520.57	0.08
148.20	35859.72	3561.77	7082.34	0.16
148.30	36272.08	3602.96	10685.31	0.25
148.40	36684.44	3644.16	14329.47	0.33
148.50	37096.80	3685.35	18014.82	0.41
148.60	37509.16	3726.55	21741.37	0.50
148.70	37921.52	3767.74	25509.11	0.59
148.80	38333.88	3808.94	29318.05	0.67
148.90	38746.24	3850.13	33168.18	0.76
149.00	39158.60	3891.33	37059.51	0.85
149.10	39570.96	3932.52	40992.04	0.94
149.20	39983.32	3973.72	44965.75	1.03
149.30	40395.68	4014.91	48980.67	1.12
149.40	40808.04	4056.11	53036.78	1.22
149.50	41220.40	4097.30	57134.08	1.31
149.60	41632.76	4138.50	61272.58	1.41
149.70	42045.12	4179.69	65452.27	1.50
149.80	42457.48	4220.89	69673.16	1.60
149.90	42869.84	4262.08	73935.24	1.70
150.00	43282.20	4303.28	78238.52	1.80
150.10	43694.56	4344.47	82582.99	1.90
150.20	44106.92	4385.67	86968.66	2.00
150.30	44519.28	4426.86	91395.52	2.10
150.40	44931.64	4468.06	95863.58	2.20
150.50	45344.00	4509.25	100372.83	2.30

CROSSROADS COMMERCIAL PARK

STORMWATER POND

PERMANENT POOL AND BLEED DOWN ORIFICE CALCULATIONS

MINIMUM PERMANENT POOL VOLUME (PPV_{MIN})

HYDRAULIC RESIDENCE TIME (DAYS) = HRT = 21.00 ***
 WET SEASON RAINFALL DEPTH (IN) = R = 30.00

*** A RESIDENCE TIME OF 21 DAYS HAS BEEN APPLIED RATHER THAN 14 DAYS SINCE
 THERE WILL BE NO LITTORAL ZONE

$$\text{PPV}_{\text{MIN}} = \text{DA} \cdot \text{C}_{\text{POST}} \cdot \text{HRT} \cdot \text{R} / (153 \cdot 12) = 1.38 \text{ AC-FT}$$

$$= 60134.48 \text{ CF}$$

BLEED-DOWN ORIFICE CALCULATIONS

TREATMENT VOLUME = 29208.18 FT³

WEIR ELEVATION = 149.20

1/2 * TREATMENT VOLUME = 14604.09 FT³

ELEVATION AT WHICH 1/2 TREATMENT
 VOLUME HAS BEEN RELEASED = 148.80

DRAWDOWN DEPTH = 0.93 FT

MINIMUM FLOW RATE (60 HOURS) = 0.068 CFS

MAXIMUM FLOW RATE (48 HOURS) = 0.085 CFS

MINIMUM ORIFICE AREA = 0.015 FT²
 2.100 IN²
 1.64 IN DIAMETER

MAXIMUM ORIFICE AREA = 0.018 FT²
 2.625 IN²
 1.83 IN DIAMETER

SELECTED ORIFICE SIZE = 1.750 IN DIAMETER

CROSSROADS COMMERCIAL PARK

STORMWATER POND

PERMANENT POOL AND BLEED DOWN ORIFICE CALCULATIONS

PERMANENT POOL

STAGE VS. STORAGE:

ELEV (FT)	A (FT ²)	VOL (CF)	T VOL (CF)	T VOL (AC-FT)
148.00	35035.00	0.00	0.00	0.00
147.90	34657.13	3481.10	3481.10	0.08
147.80	34279.25	3443.35	6924.46	0.16
147.70	33901.38	3405.60	10330.06	0.24
147.60	33523.50	3367.85	13697.92	0.31
147.50	33145.63	3330.10	17028.02	0.39
147.40	32767.75	3292.36	20320.38	0.47
147.30	32389.88	3254.61	23574.98	0.54
147.20	32012.00	3216.86	26791.84	0.62
147.10	31634.13	3179.11	29970.94	0.69
147.00	31256.25	3141.36	33112.30	0.76
146.90	30878.38	3103.61	36215.91	0.83
146.80	30500.50	3065.86	39281.76	0.90
146.70	30122.63	3028.11	42309.87	0.97
146.60	29744.75	2990.36	45300.22	1.04
146.50	29366.88	2952.61	48252.83	1.11
146.40	28989.00	2914.86	51167.68	1.17
146.30	28611.13	2877.11	54044.79	1.24
146.20	28233.25	2839.36	56884.14	1.31
146.10	27855.38	2801.61	59685.75	1.37
146.00	27477.50	2763.86	62449.61	1.43
145.90	27099.63	2726.11	65175.71	1.50
145.80	26721.75	2688.36	67864.07	1.56
145.70	26343.88	2650.61	70514.67	1.62
145.60	25966.00	2612.86	73127.53	1.68
145.50	25588.13	2575.11	75702.63	1.74
145.40	25210.25	2537.36	78239.99	1.80
145.30	24832.38	2499.61	80739.59	1.85
145.20	24454.50	2461.86	83201.45	1.91
145.10	24076.63	2424.11	85625.55	1.97
145.00	23698.75	2386.36	88011.91	2.02

CROSSROADS COMMERCIAL PARK

STORMWATER POND

PRE VS. POST DEVELOPMENT

MAXIMUM DISCHARGE RATES

Scenario	Rainfall Distribution	Discharge Rate - Pre (ft ³ /s)***	Discharge Rate - Post (ft ³ /s)***	Pre vs. Post	Evaluation
1	FDOT 1 Hour (x1)	17.6067	1.1274	-16.4793	OK
2	FDOT 2 Hour (x1)	15.9224	2.2779	-13.6445	OK
3	FDOT 4 Hour (x1)	10.2424	3.5342	-6.7082	OK
4	FDOT 8 Hour (x1)	12.5651	4.0783	-8.4868	OK
5	FDOT 24 Hour (x1)	4.2386	2.9954	-1.2432	OK
6	FDOT 72 Hour (x1)	3.1886	2.7707	-0.4179	OK
7	FDOT 168 Hour (x1)	2.2161	2.1873	-0.0288	OK
8	FDOT 240 Hour (x1)	2.9753	2.9576	-0.0177	OK

*** DISCHARGE RATES ARE FROM PONDS 3.2 REFINED DRAWDOWN ANALYSIS

MAXIMUM CUMALITIVE DISCHARGE VOLUME

Scenario	Rainfall Distribution	Discharge Volume - Pre (ft ³ /s)***	Discharge Volume - Post (ft ³)***	Pre vs. Post	Evaluation
1	FDOT 1 Hour (x1)	30401.2	3839.8	-26561.4	OK
2	FDOT 2 Hour (x1)	43806.5	12361.9	-31444.6	OK
3	FDOT 4 Hour (x1)	59538.6	26455.8	-33082.8	OK
4	FDOT 8 Hour (x1)	81347.1	55525.5	-25821.6	OK
5	FDOT 24 Hour (x1)	126212.5	112397.8	-13814.7	OK
6	FDOT 72 Hour (x1)	174695.8	165858	-8837.8	OK
7	FDOT 168 Hour (x1)	205691.1	192112.3	-13578.8	OK
8	FDOT 240 Hour (x1)	246922.1	240969.8	-5952.3	OK

*** DISCHARGE VOLUMES ARE FROM PONDS 3.2 REFINED DRAWDOWN ANALYSIS

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Retention Pond Recovery - Refined Method
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Devo Seereeram, Ph.D., P.E.

Project Data

Project Name: Floor N Decor Commercial Site
Simulation Description: Pond - Pre
Project Number: PF06-163
Engineer : Brett Crews, E.I.
Supervising Engineer: Chad Williams, P.E.
Date: 01-05-2007

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Scenario Input Data

Scenario 1 :: FDOT 1 Hour (x1)

Hydrograph Type: Inline SCS
• Modflow Routing: Not routed
Repetitions: 1

Basin Area (acres) 5.700
Time Of Concentration (minutes) 10.0
DCIA (%) 0.0
Curve Number 70
Design Rainfall Depth (inches) 4.2
Design Rainfall Duration (hours) 1.0
Shape Factor UHG 323
Rainfall Distribution FDOT 1 Hour

Initial ground water level (ft datum) default, 0.00

No times after storm specified.

Scenario 2 :: FDOT 2 Hour (x1)

Hydrograph Type: Inline SCS
• Modflow Routing: Not routed
Repetitions: 1

Basin Area (acres) 5.700
Time Of Concentration (minutes) 10.0
DCIA (%) 0.0
Curve Number 70
Design Rainfall Depth (inches) 5.1
Design Rainfall Duration (hours) 2.0
Shape Factor UHG 323
Rainfall Distribution FDOT 2 Hour

Initial ground water level (ft datum) default, 0.00

No times after storm specified.

Scenario 3 :: FDOT 4 Hour (x1)

Hydrograph Type: Inline SCS
• Modflow Routing: Not routed
Repetitions: 1

Basin Area (acres) 5.700
Time Of Concentration (minutes) 10.0
DCIA (%) 0.0
Curve Number 70
Design Rainfall Depth (inches) 6.1
Design Rainfall Duration (hours) 4.0
Shape Factor UHG 323
Rainfall Distribution FDOT 4 Hour

Initial ground water level (ft datum) default, 0.00

No times after storm specified.

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Scenario Input Data (cont'd.)

Scenario 4 :: FDOT 8 Hour (x1)

Hydrograph Type: Inline SCS
• Modflow Routing: Not routed
Repetitions: 1

Basin Area (acres) 5.700
Time Of Concentration (minutes) 10.0
DCIA (%) 0.0
Curve Number 70
Design Rainfall Depth (inches) 7.4
Design Rainfall Duration (hours) 8.0
Shape Factor UHG 323
Rainfall Distribution FDOT 8 Hour

Initial ground water level (ft datum) default, 0.00

No times after storm specified.

Scenario 5 :: FDOT 24 Hour (x1)

Hydrograph Type: Inline SCS
• Modflow Routing: Not routed
Repetitions: 1

Basin Area (acres) 5.700
Time Of Concentration (minutes) 10.0
DCIA (%) 0.0
Curve Number 70
Design Rainfall Depth (inches) 9.8
Design Rainfall Duration (hours) 24.0
Shape Factor UHG 323
Rainfall Distribution FDOT 24 Hour

Initial ground water level (ft datum) default, 0.00

No times after storm specified.

Scenario 6 :: FDOT 72 Hour (x1)

Hydrograph Type: Inline SCS
• Modflow Routing: Not routed
Repetitions: 1

Basin Area (acres) 5.700
Time Of Concentration (minutes) 10.0
DCIA (%) 0.0
Curve Number 70
Design Rainfall Depth (inches) 12.4
Design Rainfall Duration (hours) 72.0
Shape Factor UHG 323
Rainfall Distribution FDOT 72 Hour

Initial ground water level (ft datum) default, 0.00

No times after storm specified.

Scenario Input Data (cont'd.)

Scenario 7 :: FDOT 168 Hour (x1)

Hydrograph Type: Inline SCS
• Modflow Routing: Not routed
Repetitions: 1

Basin Area (acres) 5.700
Time Of Concentration (minutes) 10.0
DCIA (%) 0.0
Curve Number 70
Design Rainfall Depth (inches) 14.0
Design Rainfall Duration (hours) 168.0
Shape Factor UHG 323
Rainfall Distribution FDOT 168 Hour

Initial ground water level (ft datum) default, 0.00

No times after storm specified.

Scenario 8 :: FDOT 240 Hour (x1)

Hydrograph Type: Inline SCS
• Modflow Routing: Not routed
Repetitions: 1

Basin Area (acres) 5.700
Time Of Concentration (minutes) 10.0
DCIA (%) 0.0
Curve Number 70
Design Rainfall Depth (inches) 16.1
Design Rainfall Duration (hours) 240.0
Shape Factor UHG 323
Rainfall Distribution FDOT 240 Hour

Initial ground water level (ft datum) default, 0.00

No times after storm specified.

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Project Data

Project Name: Crossroads Commercial Park
Simulation Description: Pond - Post
Project Number: PF06-163
Engineer : Brett Crews, E.I.
Supervising Engineer: Chad Williams, P.E.
Date: 01-10-2007

Aquifer Data

Base Of Aquifer Elevation, [B] (ft datum): 140.00
Water Table Elevation, [WT] (ft datum): 148.00
Horizontal Saturated Hydraulic Conductivity, [Kh] (ft/day): 9.00
Fillable Porosity, [n] (%): 30.00
Vertical infiltration was not considered.

Geometry Data

Equivalent Pond Length, [L] (ft): 380.0
Equivalent Pond Width, [W] (ft): 119.0
Ground water mound is expected to intersect the pond bottom

Stage vs Area Data

Stage (ft datum)	Area (ft ²)
144.00	19920.0
148.00	35035.0
150.50	45344.0

Discharge Structures

Discharge Structure #1 is active as weir

Structure Parameters

Description: Type C Modified Inlet w/ Weir

Weir elevation, (ft datum): 149.2
Weir coefficient: 3.13
Weir length, (ft): 1.25
Weir exponent: 1.5

Tailwater - disabled, free discharge

Discharge Structures (cont'd.)

Discharge Structure #2 is active as orifice

Structure Parameters

Description: Bleed Down Orifice

Orifice elevation, (ft datum):	148.1
Orifice coefficient:	7.9
Orifice area, (ft ²):	.017
Orifice exponent:	.5

Tailwater - disabled, free discharge

Discharge Structure #3 is inactive

Scenario Input Data (cont'd.)

Scenario 4 :: FDOT 8 Hour (x1)

Hydrograph Type: Inline SCS
Modflow Routing: Routed with infiltration
Repetitions: 1

Basin Area (acres) 5.700
Time Of Concentration (minutes) 10.0
DCIA (%) 0.0
Curve Number 90
Design Rainfall Depth (inches) 7.4
Design Rainfall Duration (hours) 8.0
Shape Factor UHG 323
Rainfall Distribution FDOT 8 Hour

Initial ground water level (ft datum) default, 148.00

No times after storm specified.

Scenario 5 :: FDOT 24 Hour (x1)

Hydrograph Type: Inline SCS
Modflow Routing: Routed with infiltration
Repetitions: 1

Basin Area (acres) 5.700
Time Of Concentration (minutes) 10.0
DCIA (%) 0.0
Curve Number 90
Design Rainfall Depth (inches) 9.8
Design Rainfall Duration (hours) 24.0
Shape Factor UHG 323
Rainfall Distribution FDOT 24 Hour

Initial ground water level (ft datum) default, 148.00

No times after storm specified.

Scenario 6 :: FDOT 72 Hour (x1)

Hydrograph Type: Inline SCS
Modflow Routing: Routed with infiltration
Repetitions: 1

Basin Area (acres) 5.700
Time Of Concentration (minutes) 10.0
DCIA (%) 0.0
Curve Number 90
Design Rainfall Depth (inches) 12.4
Design Rainfall Duration (hours) 72.0
Shape Factor UHG 323
Rainfall Distribution FDOT 72 Hour

Initial ground water level (ft datum) default, 148.00

No times after storm specified.

Worst Case Scenarios

Selection Criteria: <default - All scenarios with valid results>

Maximum Stage = 150.1954 ft datum
For scenario 4 at Time = 5.177778 hours
Scenarios considered: 1 to 8

Maximum Positive Inflow Rate = 34.68479 ft³/s
For scenario 1 at Time = .6444445 hours
Scenarios considered: 1 to 8

Maximum Positive Cumulative Inflow Volume = 307972.6 ft³
For scenario 8 at Time = 240.8 hours
Scenarios considered: 1 to 8

Maximum Positive Infiltration Rate = .5871341 ft³/s
For scenario 1 at Time = .8888889 hours
Scenarios considered: 1 to 8

Maximum Positive Cumulative Infiltration Volume = 21475.49 ft³
For scenario 8 at Time = 240.9111 hours
Scenarios considered: 1 to 8

Maximum Positive Discharge Rate = 4.078345 ft³/s
For scenario 4 at Time = 5.177778 hours
Scenarios considered: 1 to 8

Maximum Positive Cumulative Discharge Volume = 240969.8 ft³
For scenario 8 at Time = 240.9111 hours
Scenarios considered: 1 to 8

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PAUL LLOYD SOIL
SCIENTIST

438 SW Burnett Ln

Phone: 386-752-3571

Lake City FL 32024

Fax: 386-752-8058

9/13/2006

FLOOR & DECOR - PF06-163

MUNSELL	COLOR	DEPTH	TEXTURE	
SOIL BORING 1				
10YR 4/2	DARK GRAYISH BROWN	0	12	OLD FILL/FINE SAND
10YR 6/2	LIGHT BROWNISH GRAY	12	14	OLD FILL/FINE SAND
10YR 4/2	DARK BROWNISH GRAY	14	50	OLD FILL/FINE SAND
10YR 7/1	LIGHT GRAY	50	54	OLD FILL/FINE SAND
10YR 6/4	LIGHT YELLOWISH BROWN	54	63	FINE SAND
10YR 5/3	BROWN	63	72	FINE SAND

TYPE SOIL - ARRENT

WET SEASON WATER TABLE - 14"

WET @ >72"

PERCHING LAYER - N/A

PERMEABILITY - 2.0 - 5.0 IN/HR

MOTTLES @ 14" & 54"

SOIL BORING 2

10YR 4/2	DARK GRAYISH BROWN	0	7	FINE SAND
10YR 4/3	BROWN	7	12	FINE SAND
10YR 4/4*	DARK YELLOWISH BROWN	12	16	FINE SAND
10YR 5/4	YELLOWISH BROWN	16	22	FINE SAND
10YR 6/2	LIGHT BROWNISH GRAY	22	37	FINE SAND
10YR 7/2	LIGHT GRAY	37	42	SANDY LOAM
10YR 7/2	LIGHT GRAY	42	53	SANDY CLAY LOAM
10YR 7/2	LIGHT GRAY	53	67	FINE SAND
10YR 8/2	VERY PALE BROWN	67	72	SANDY LOAM

TYPE SOIL - MASCOTTE

WET SEASON WATER TABLE - 7"

WET @ 37"

PERCHING LAYER - 37"

PERMEABILITY - 0.5 IN/HR

MOTTLES @ 16"

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**SUWANNEE
RIVER
WATER
MANAGEMENT
DISTRICT**

9225 CR 49
LIVE OAK, FLORIDA 32060
TELEPHONE: (386) 362-1001
TELEPHONE: 800-226-1066
FAX (386) 362-1056

GENERAL PERMIT

PERMITTEE:

CAROLYN WOOLSEY
4784 US HWY 90
LAKE CITY, FL 32055

PERMIT NUMBER: ERP06-0615

DATE ISSUED: 03/02/2007

DATE EXPIRES: 03/02/2010

COUNTY: COLUMBIA

TRS: S2/T4S/R16E

PROJECT: CROSSROADS

Approved entity to whom operation and maintenance may be transferred pursuant to rule 40B-4.1130, Florida Administrative Code (F.A.C.):

CAROLYN WOOLSEY
4784 US HWY 90
LAKE CITY, FL 32055

Based on information provided, the Suwannee River Water Management District's (District) rules have been adhered to and an environmental resource general permit is in effect for the permitted activity description below:

Construction and operation of a surfacewater management system serving 2.90 acres of impervious surface on a total project area of 5.70 acres in a manner consistent with the application package submitted by Chadwick Williams, P.E., GTC Design Group, certified on February 27, 2007.

It is your responsibility to ensure that adverse off-site impacts do not occur either during or after construction. Any additional construction or alterations not authorized by this permit may result in flood control or water quality problems both on and off site and will be a violation of District rule.

You or any other substantially affected persons are entitled to request an administrative hearing or mediation. Please refer to enclosed notice of rights.

This permit is issued under the provisions of chapter 373, F.S., chapter 40B-4, and chapter 40B-400, F.A.C. A general permit authorizes the construction, operation, maintenance, alteration,

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abandonment, or removal of certain minor surface water management systems. This permit authorizes the permittee to perform the work necessary to construct, operate, and maintain the surface water management system shown on the application and other documents included in the application. This is to notify you of District's agency action concerning Notice Of Intent. This action is taken pursuant to rule 40B-4 and 40B-400, F.A.C.

Standard Conditions for All General Permits:

1. The permittee shall perform all construction authorized in a manner so as to minimize adverse impacts to fish, wildlife, natural environmental values, and water quality. The permittee shall institute necessary measures during construction including riprap, reinforcement, or compaction of any fill materials placed around newly installed structures, to minimize erosion, turbidity, nutrient loading, and sedimentation in the receiving waters.
2. Water quality data representative of the water discharged from the permitted system, including, but not limited to, the parameters in chapter 62-302, F.A.C., shall be submitted to the District as required. If water quality data are required, the permittee shall provide data as required on the volume and rate of discharge including the total volume discharged during the sampling period. All water quality data shall be in accordance with and reference the specific method of analysis in "Standard Methods for the Examination of Water and Wastewater" by the American Public Health Association or "Methods for Chemical Analysis of Water and Wastes" by the U.S. Environmental Protection Agency.
3. The operational and maintenance phase of an environmental resource permit will not become effective until the owner or his authorized agent certifies that all facilities have been constructed in accordance with the design permitted by the District. If required by the District, such as-built certification shall be made by an engineer or surveyor. Within 30 days after the completion of construction of the system, the permittee shall notify the District that the facilities are complete. If appropriate, the permittee shall request transfer of the permit to the responsible entity approved by the District for operation and maintenance. The District may inspect the system and, as necessary, require remedial measures as a condition of transfer of the permit or release for operation and maintenance of the system.
4. Off-site discharges during and after construction shall be made only through the facilities authorized by the permit. Water discharged from the project shall be through structures suitable for regulating upstream stage if so required by the District. Such discharges may be subject to operating schedules established by the District.
5. The permit does not convey to the permittee any property right nor any rights or privileges other than those specified in the permit and chapter 40B-1, F.A.C.

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6. The permittee shall hold and save the District harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, operation, maintenance, alteration, abandonment, or development in a Works of the District which is authorized by the permit.
7. The permit is issued based on the information submitted by the applicant which reasonably demonstrates that adverse off-site water resource impacts will not be caused by the permitted activity. It is the responsibility of the permittee to insure that such adverse impacts do not in fact occur either during or after construction.
8. It is the responsibility of the permittee to obtain all other clearances, permits, or authorizations required by any unit of local, state, or federal government.
9. The surfacewater management system shall be constructed prior to or concurrent with the development that the system is intended to serve and the system shall be completed within 30 days of substantial completion of the development which the system is intended to serve.
10. Except for General Permits After Notice or permits issued to a unit of government, or unless a different schedule is specified in the permit, the system shall be inspected at least once every third year after transfer of a permit to operation and maintenance by the permittee or his agent to ascertain that the system is being operated and maintained in a manner consistent with the permit. A report of inspection is to be sent to the District within 30 days of the inspection date. If required by chapter 471, F.S., such inspection and report shall be made by an engineer.
11. The permittee shall allow reasonable access to District personnel or agents for the purpose of inspecting the system to insure compliance with the permit. The permittee shall allow the District, at its expense, to install equipment or devices to monitor performance of the system authorized by their permit.
12. The surfacewater management system shall be operated and maintained in a manner which is consistent with the conditions of the permit and chapter 40B-4.2040, F.A.C.
13. The permittee is responsible for the perpetual operation and maintenance of the system unless the operation and maintenance is transferred pursuant to chapter 40B-4.1130, F.A.C., or the permit is modified to authorize a new operation and maintenance entity pursuant to chapter 40B-4.1110, F.A.C.
14. All activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.

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Dan Morgan
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15. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by District staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.

16. Activities approved by this permit shall be conducted in a manner which do not cause violations of state water quality standards.

17. Prior to and during construction, the permittee shall implement and maintain all erosion and sediment control measures (best management practices) required to retain sediment on-site and to prevent violations of state water quality standards. All practices must be in accordance with the guidelines and specifications in the Florida Stormwater, Erosion, and Sedimentation Control Inspector's Manual unless a project specific erosion and sediment control plan is approved as part of the permit, in which case the practices must be in accordance with the plan. If site-specific conditions require additional measures during any phase of construction or operation to prevent erosion or control sediment, beyond those specified in the erosion and sediment control plan, the permittee shall implement additional best management practices as necessary, in accordance with the Florida Stormwater, Erosion, and Sedimentation Control Inspector's Manual. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.

18. Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than seven days after the construction activity in that portion of the site has temporarily or permanently ceased.

19. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the District a Construction Commencement Notice Form No. 40B-1.901(14) indicating the actual start date and the expected completion date.

20. When the duration of construction will exceed one year, the permittee shall submit construction status reports to the District on an annual basis utilizing an Annual Status Report Form No. 40B-1.901(15). These forms shall be submitted during June of each following year.

21. For those systems which will be operated or maintained by an entity requiring an easement or deed restriction in order to provide that entity with the authority necessary to operate or maintain the system, such easement or deed restriction, together with any other final operation or maintenance documents as are required by Paragraph 40B-4.2030(2)(g), F.A.C., and Rule 40B-4.2035, F.A.C., must be submitted to the District for approval. Documents meeting the requirements set forth in these subsections of District rules will be approved. Deed restrictions, easements and other

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operation and maintenance documents which require recordation either with the Secretary of State or Clerk of the Circuit Court must be so recorded prior to lot or unit sales within the project served by the system, or upon completion of construction of the system, whichever occurs first. For those systems which are proposed to be maintained by county or municipal entities, final operation and maintenance documents must be received by the District when maintenance and operation of the system is accepted by the local governmental entity. Failure to submit the appropriate final documents referenced in this paragraph will result in the permittee remaining liable for carrying out maintenance and operation of the permitted system.

22. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the initiation of the permitted use of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to a local government or other responsible entity.

23. Within 30 days after completion of construction of the permitted system, or independent portion of the system, the permittee shall submit a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, using the supplied As-Built Certification Form No. 40B-1.901(16) incorporated by reference in Subsection 40B-1.901(16), F.A.C. When the completed system differs substantially from the permitted plans, any substantial deviations shall be noted and explained and two copies of as-built drawings submitted to the District. Submittal of the completed form shall serve to notify the District that the system is ready for inspection. The statement of completion and certification shall be based on on-site observation of construction (conducted by the registered professional engineer, or other appropriate individual as authorized by law, or under his or her direct supervision) or review of as-built drawings for the purpose of determining if the work was completed in compliance with approved plans and specifications. As-built drawings shall be the permitted drawings revised to reflect any changes made during construction. Both the original and any revised specifications must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawing. All surveyed dimensions and elevations shall be certified by a registered surveyor. The following information, at a minimum, shall be verified on the as-built drawings:

- a. Dimensions and elevations of all discharge structures including all weirs, slots, gates, pumps, pipes, and oil and grease skimmers;
- b. Locations, dimensions, and elevations of all filter, exfiltration, or underdrain systems including cleanouts, pipes, connections to control structures, and points of discharge to the receiving waters;
- c. Dimensions, elevations, contours, or cross-sections of all treatment storage areas sufficient to

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determine stage-storage relationships of the storage area and the permanent pool depth and volume below the control elevation for normally wet systems, when appropriate;

d. Dimensions, elevations, contours, final grades, or cross-sections of the system to determine flow directions and conveyance of runoff to the treatment system;

e. Dimensions, elevations, contours, final grades, or cross-sections of all conveyance systems utilized to convey off-site runoff around the system;

f. Existing water elevation(s) and the date determined; and

g. Elevation and location of benchmark(s) for the survey.

24. The operation phase of this permit shall not become effective until the permittee has complied with the requirements of the condition in paragraph 23 above, the District determines the system to be in compliance with the permitted plans, and the entity approved by the District in accordance with Rule 40B-4.2035, F.A.C., accepts responsibility for operation and maintenance of the system. The permit may not be transferred to such approved operation and maintenance entity until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the District, the permittee shall request transfer of the permit to the approved responsible operation and maintenance operating entity if different from the permittee. Until the permit is transferred pursuant to Rule 40B-4.1130, F.A.C., the permittee shall be liable for compliance with the terms of the permit.

25. Should any other regulatory agency require changes to the permitted system, the permittee shall provide written notification to the District of the changes prior to implementation so that a determination can be made whether a permit modification is required.

26. This permit does not eliminate the necessity to obtain any required federal, state, local and special District authorizations prior to the start of any activity approved by this permit. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and in this chapter and Chapter 40B-4, F.A.C.

27. The permittee is hereby advised that Section 253.77, F.S., states that a person may not commence any excavation, construction, or other activity involving the use of sovereign or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary

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authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.

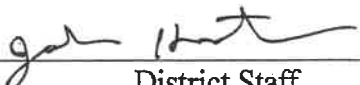
28. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered specifically approved unless a specific condition of this permit or a formal determination under 40B-400.046, F.A.C., provides otherwise.

29. The permittee shall notify the District in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of Rule 40B-4.1130, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.

30. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the District.

31. The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.

WITHIN 30 DAYS AFTER COMPLETION OF THE PROJECT, THE PERMITTEE SHALL NOTIFY THE DISTRICT, IN WRITING, THAT THE FACILITIES ARE COMPLETE.

Approved by  Date Approved 3-5-07
District Staff


Clerk


Executive Director

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2024-D-292-00018
Dan Morgan
2/20/2025

NOTICE OF RIGHTS

1. A person whose substantial interests are or may be determined has the right to request an administrative hearing by filing a written petition with the Suwannee River Water Management District (District), or may choose to pursue mediation as an alternative remedy under Section 120.569 and 120.573, Florida Statutes, before the deadline for filing a petition. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement. The procedures for pursuing mediation are set forth in Sections 120.569 and 120.57 Florida Statutes. Pursuant to Rule 28-106.111, Florida Administrative Code, the petition must be filed at the office of the District Clerk at District Headquarters, 9225 C.R. 49, Live Oak, Florida 32060 within twenty-one (21) days of receipt of written notice of the decision or within twenty-one (21) days of newspaper publication of the notice of District decision (for those persons to whom the District does not mail actual notice). A petition must comply with Chapter 28-106, Florida Administrative Code.
2. If the Governing Board takes action which substantially differs from the notice of District decision to grant or deny the permit application, a person whose substantial interests are or may be determined has the right to request an administrative hearing or may chose to pursue mediation as an alternative remedy as described above. Pursuant to Rule 28-106.111, Florida Administrative Code, the petition must be filed at the office of the District Clerk at District Headquarters, 9225 C.R. 49, Live Oak, Florida 32060 within twenty-one (21) days of receipt of written notice of the decision or within twenty-one (21) days of newspaper publication of the notice of District decision (for those persons to whom the District does not mail actual notice). Such a petition must comply with Chapter 28-106, Florida Administrative Code.
3. A substantially interested person has the right to a formal administrative hearing pursuant to Section 120.569 and 120.57(1), Florida Statutes, where there is a dispute between the District and the party regarding an issue of material fact. A petition for formal hearing must comply with the requirements set forth in Rule 28-106.201, Florida Administrative Code.
4. A substantially interested person has the right to an informal hearing pursuant to Section 120.569 and 120.57(2), Florida Statutes, where no material facts are in dispute. A petition for an informal hearing must comply with the requirements set forth in Rule 28-106.301, Florida Administrative Code.
5. A petition for an administrative hearing is deemed filed upon receipt of the petition by the Office of the District Clerk at the District Headquarters in Live Oak, Florida.
6. Failure to file a petition for an administrative hearing within the requisite time frame shall constitute a waiver of the right to an administrative hearing pursuant to Rule 28-106.111, Florida Administrative Code.

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7. The right to an administrative hearing and the relevant procedures to be followed is governed by Chapter 120, Florida Statutes, and Chapter 28-106, Florida Administrative Code.

8. Pursuant to Section 120.68, Florida Statutes, a person who is adversely affected by final District action may seek review of the action in the District Court of Appeal by filing a notice of appeal pursuant to the Florida Rules of Appellate Procedure, within 30 days of the rendering of the final District action.

9. A party to the proceeding before the District who claims that a District order is inconsistent with the provisions and purposes of Chapter 373, Florida Statutes, may seek review of the order pursuant to Section 373.114, Florida Statutes, by the Florida Land and Water Adjudicatory Commission, by filing a request for review with the Commission and serving a copy of the Department of Environmental Protection and any person named in the order within 20 days of adoption of a rule or the rendering of the District order.

10. For appeals to the District Courts of Appeal, a District action is considered rendered after it is signed on behalf of the District, and is filed by the District Clerk.

11. Failure to observe the relevant time frames for filing a petition for judicial review, or for Commission review, will result in waiver of the right to review.

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing Notice of Rights has been sent by U.S. Mail to:

CAROLYN WOOLSEY
4784 US HWY 90
LAKE CITY, FL 32055

At 4:00 p.m. this 6th day of March, 2007.



Jon M. Dinges
Deputy Clerk
Suwannee River Water Management District
9225 C.R. 49
Live Oak, Florida 32060

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Permit No.: ERP06-0615

Project: CROSSROADS

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386.362.1001 or 800.226.1066 (Florida only)

cc: File Number: ERP06-0615

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