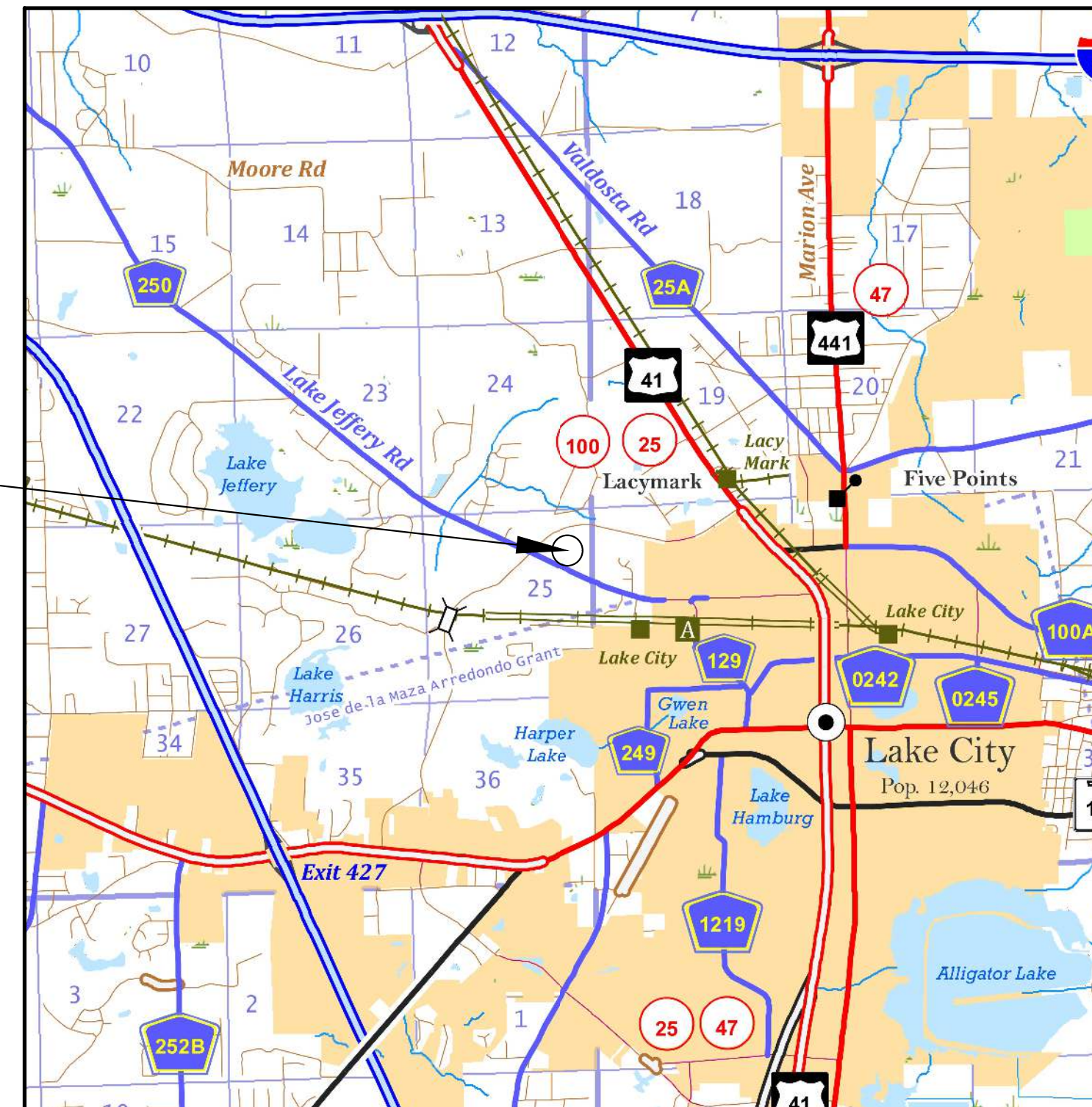


## A map of the state of Florida, divided into its constituent counties. Columbia County, located in the northern part of the state, is highlighted in a solid gray color. The text "COLUMBIA COUNTY" is printed in a large, bold, black, sans-serif font to the left of the map.

## PROJECT LOCATION




COVER SHEET	C-1
SIGNATURE SHEET	C-2
GENERAL NOTES	C-3
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GRADING PLAN	C-5
SWMF	C-6
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UTILITIES PLAN	C-8
EROSION CONTROL PLAN	C-9
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UTILITIES DETAILS	C-11
MISC DETAILS	C-12 - C-13
SUMMARY OF QUANTITIES	C-14

*NOTE: FOR INFORMATION PURPOSES ONLY*

**FLOOR PLAN** **A-1**

<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

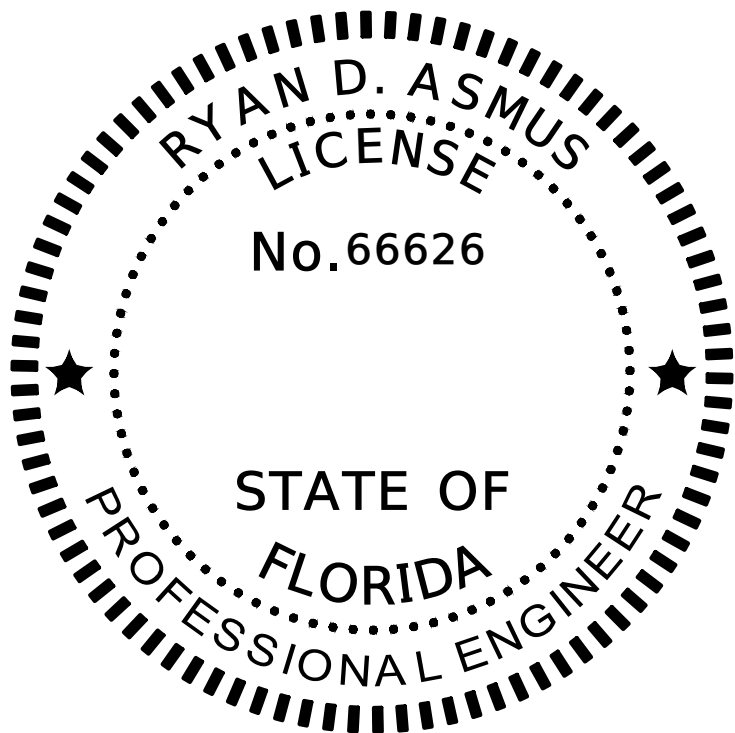
**COLUMBIA COUNTY BOCC**  
**135 NE HERNANDO AVENUE, SUITE 203**  
**LAKE CITY, FL 32055**  
**386-758-1005**

REVISIONS		 <b>NORTH FLORIDA PROFESSIONAL SERVICES, INC.</b> 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      CA# 29011	JOB NUMBER: L150209CCB EOR: RYAN D. ASMUS P.E. NO.: 66626	<div>COVER SHEET</div>	SHEET NO.
DATE	DESCRIPTION				C-1

X:\2015\L150209CCB\H.CADD(FS51)\Roadway\KEYSRD\_FS51\_01.dwg

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Ryan D Asmus

Digitally signed by Ryan D Asmus  
DN: CN=Ryan D Asmus,  
dnQualifier=A01410D0000018DD26C6CE50006434D,  
O=NORTH FLORIDA PROFESSIONAL SERVICES  
INC., C=US  
Date: 2025.01.15 11:48:24-05'00'

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY RYAN D. ASMUS ON  
THE DATE ADJACENT TO THE SEAL.


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SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

NORTH FLORIDA PROFESSIONAL SERVICES INC.  
P.O. BOX 3823  
LAKE CITY, FL 32056  
CERTIFICATE OF AUTHORIZATION: 29011  
RYAN D. ASMUS, P.E. NO. 66626

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

SHEET INDEX

COVER SHEET	C-1
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EROSION CONTROL PLAN	C-9
EROSION CONTROL NOTES & DETAILS	C-10
UTILITIES DETAILS	C-11
MISC DETAILS	C-12 - C-13
SUMMARY OF QUANTITIES	C-14


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: L150209CCB EOR: RYAN D. ASMUS P.E. NO.: 66626	SIGNATURE SHEET  LAKE JEFFERY ROAD FIRE STATION EXPANSION  COLUMBIA COUNTY, FLORIDA	SHEET NO.
DATE	DESCRIPTION						
							C-2

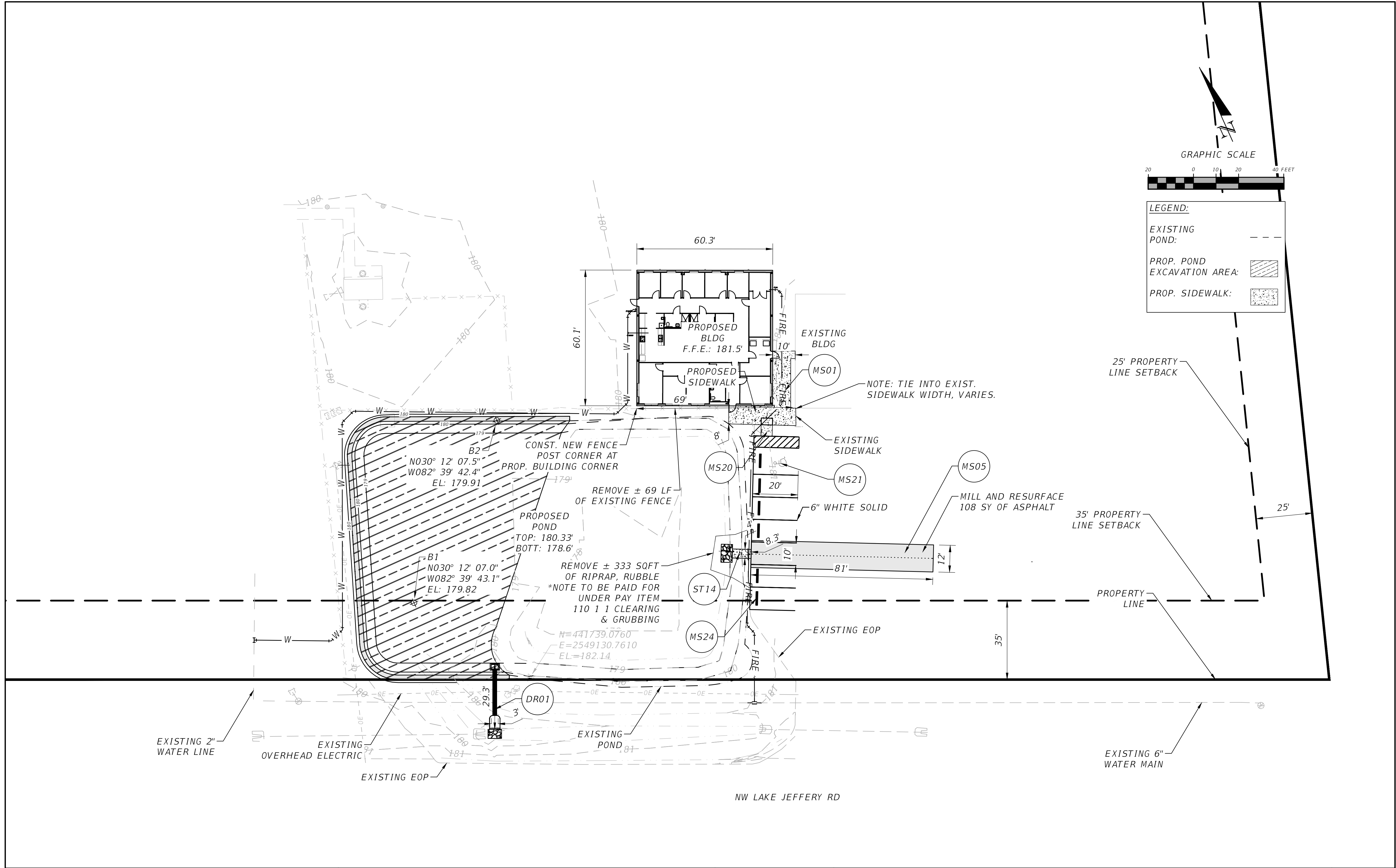
GENERAL NOTES


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 COLUMBIA COUNTY, FLORIDA (BUILDING DEPARTMENT) 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 FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION 10/2 SELF-CERTIFICATION.
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 25, TOWNSHIP 3 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 SLOPES OF THE STORMWATER BASIN SHALL BE GRASSED. ALL SLOPES STEEPER THAN 3:1 SHALL BE STAPLED SOD.
8. 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.
9. 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.
10. ALL SITE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE COLUMBIA COUNTY LAND DEVELOPMENT REGULATIONS.
11. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS WITHIN PROJECT AREA.
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 NOTIFY THE COUNTY AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION.
14. THE CONTRACTOR SHALL NOTIFY THE COUNTY AT LEAST 48 HOURS IN ADVANCE OF THE PRESSURE AND LEAKAGE TESTS.
15. NO FINAL TESTING OR PRESSURE TESTING WILL BE ACCEPTED UNLESS WITNESSED BY THE COUNTIES REPRESENTATIVE.
16. NO WORK SHALL BE PERFORMED ON SATURDAY OR SUNDAY WITHOUT WRITTEN NOTIFICATION TO THE COUNTY AND COUNTY ENGINEER.
17. CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY MEETING THE REQUIREMENTS OF CHAPTER 61G17 F.A.C. FOR THE STORMWATER MANAGEMENT SYSTEMS. INCLUDE HORIZONTAL AND VERTICAL DIMENSIONAL DATA SO THAT IMPROVEMENTS ARE LOCATED AND DELINEATED RELATIVE TO THE BOUNDARY. THIS AS-BUILT SURVEY SHOULD INCLUDE ALL OUTFALL STRUCTURES. PROVIDE SUFFICIENT DETAILED DATA TO DETERMINE WHETHER THE IMPROVEMENTS WERE CONSTRUCTED IN ACCORDANCE WITH THE PLANS. A COPY OF THE AS-BUILT SURVEY (IN PAPER AND DIGITAL AUTOCAD

FORMAT) MUST BE SUBMITTED TO THE COLUMBIA COUNTY, FLORIDA (BUILDING DEPARTMENT) AND THE ENGINEER.

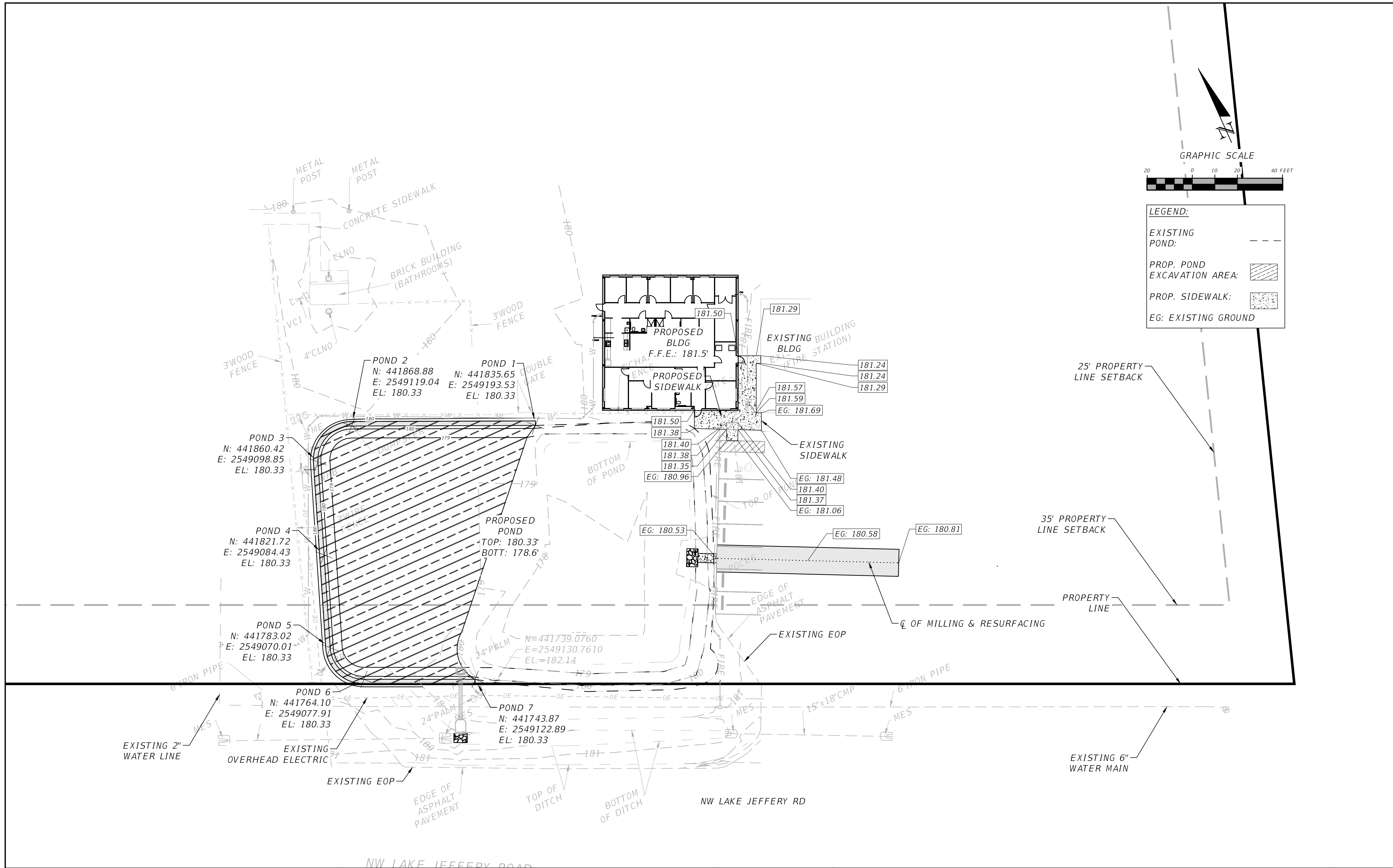
18. THE CONTRACTOR SHALL SUBMIT A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM NOTICE OF INTENT ALONG WITH SUPPORTING DOCUMENTATION TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMIT FEES.
19. IF DURING CONSTRUCTION OR OPERATION OF THE STORM WATER MANAGEMENT SYSTEM, A STRUCTURAL FAILURE IS OBSERVED THAT HAS THE POTENTIAL TO CAUSE THE DIRECT DISCHARGE OF SURFACE WATER INTO THE FLORIDAN AQUIFER SYSTEM, CORRECTIVE ACTIONS DESIGNED OR APPROVED BY A REGISTERED PROFESSIONAL SHALL BE TAKEN AS SOON AS PRACTICAL TO CORRECT THE FAILURE. SEE KARST REPAIR DETAIL #E23. IN ADDITION, A REPORT PREPARED BY A REGISTERED PROFESSIONAL MUST BE PROVIDED AS SOON AS PRACTICAL TO THE DEPARTMENT FOR REVIEW AND APPROVAL THAT PROVIDES REASONABLE ASSURANCE THAT THE BREACH WILL BE PERMANENTLY CORRECTED.
20. ALL CONCRETE SLABS ABUTTING EXTERIOR WALLS SHALL BE SOIL TREATED FOR TERMITES.
21. ALL UTILITY AND/OR DRAINAGE STRUCTURES SHALL BE PRECAST UNLESS APPROVED BY THE ENGINEER. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO PROCUREMENT.

REVISIONS			<b>NORTH FLORIDA PROFESSIONAL SERVICES, INC.</b>  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: L150209CCB EOR: RYAN D. ASMUS P.E. NO.: 66626	<b>GENERAL NOTES</b>  <b>LAKE JEFFERY ROAD FIRE STATION EXPANSION</b>  <b>COLUMBIA COUNTY, FLORIDA</b>	SHEET NO.
DATE	DESCRIPTION						C-3



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: L150209CCB EOR: RYAN D. ASMUS P.E. NO.: 66626	SITE PLAN LAKE JEFFERY ROAD FIRE STATION EXPANSION COLUMBIA COUNTY, FLORIDA		SHEET NO.  C-4
DATE	DESCRIPTION							

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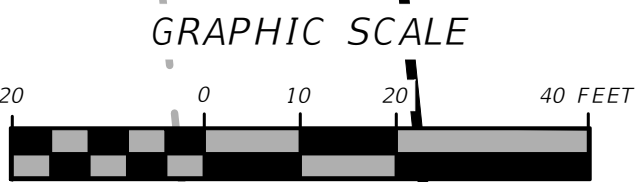
**LEGEND:**


EXISTING POND: ---

PROP. POND EXCAVATION AREA: [Hatched Box]

PROP. SIDEWALK: [Dotted Box]

EG: EXISTING GROUND



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DATE	DESCRIPTION							

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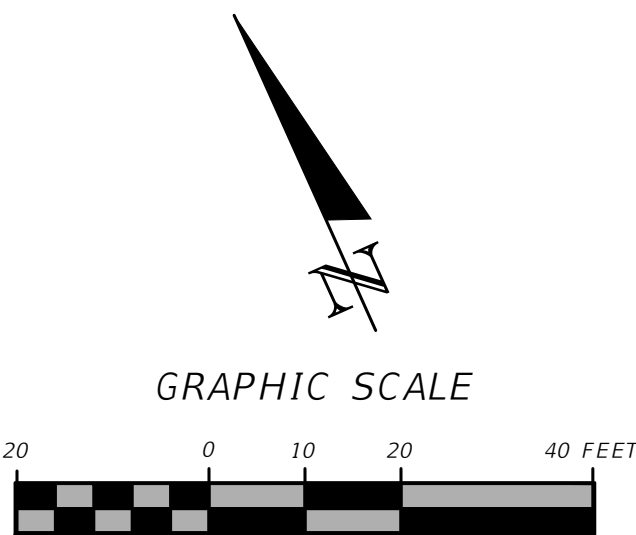


CRITICAL EVENT: 100 YR - 8 HR

MAX STAGE: 179.32'



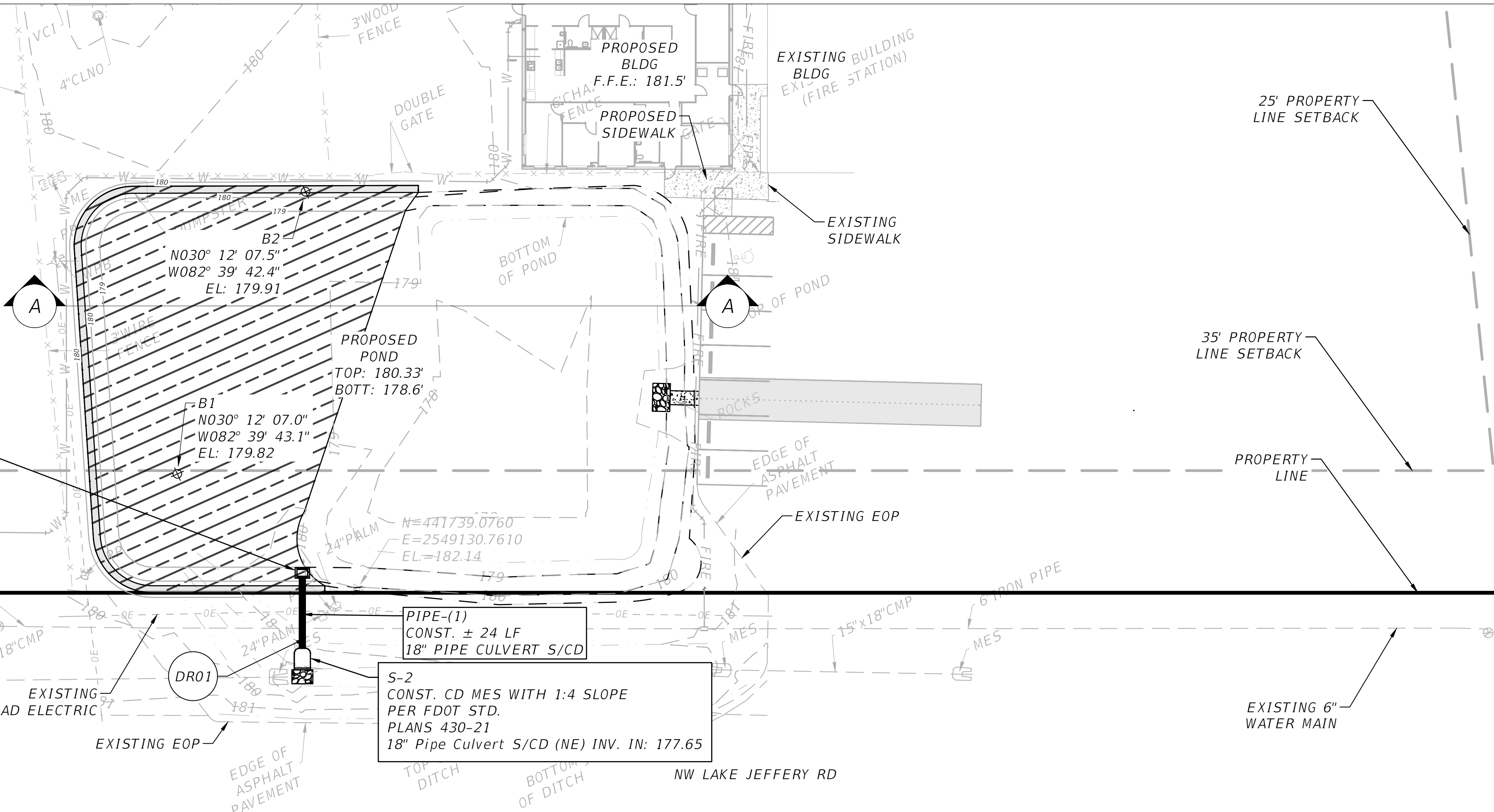
STORMWATER MANAGEMENT  
FACILITY # DETAIL  
SCALE: N.T.S



LEGEND:

EXISTING POND:	---
PROP. POND EXCAVATION AREA:	[Hatched Box]
PROP. SIDEWALK:	[Stippled Box]

S-1  
CONST. TYPE C DBI  
PER FDOT STD.  
PLANS 425-052  
RIM EL. 180.33'  
SUMP EL. 177.70'  
18" Pipe Culvert S/CD (SW) INV. OUT: 177.70'



REVISIONS	
DATE	DESCRIPTION



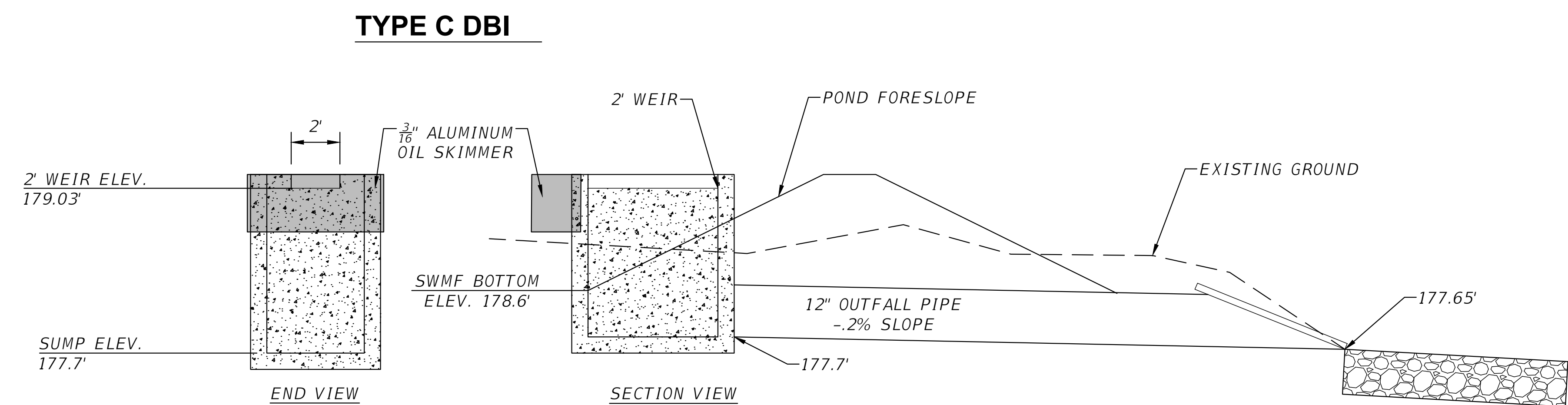
**NORTH FLORIDA PROFESSIONAL SERVICES, INC.**  
P.O. BOX 3823  
LAKE CITY, FL 32056  
PH. 386-752-4675  
LIC NO. LB8356

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


JOB NUMBER:  
L150209CCB  
EOR:  
RYAN D. ASMUS  
P.E. NO.:  
66626

**SWMF**  
**LAKE JEFFERY ROAD FIRE STATION EXPANSION**  
**COLUMBIA COUNTY, FLORIDA**

SHEET  
NO.  
**C-6**



**DR01 SWMF #1 CONTROL STRUCTURE DETAIL**  
**SCALE: N.T.S.**

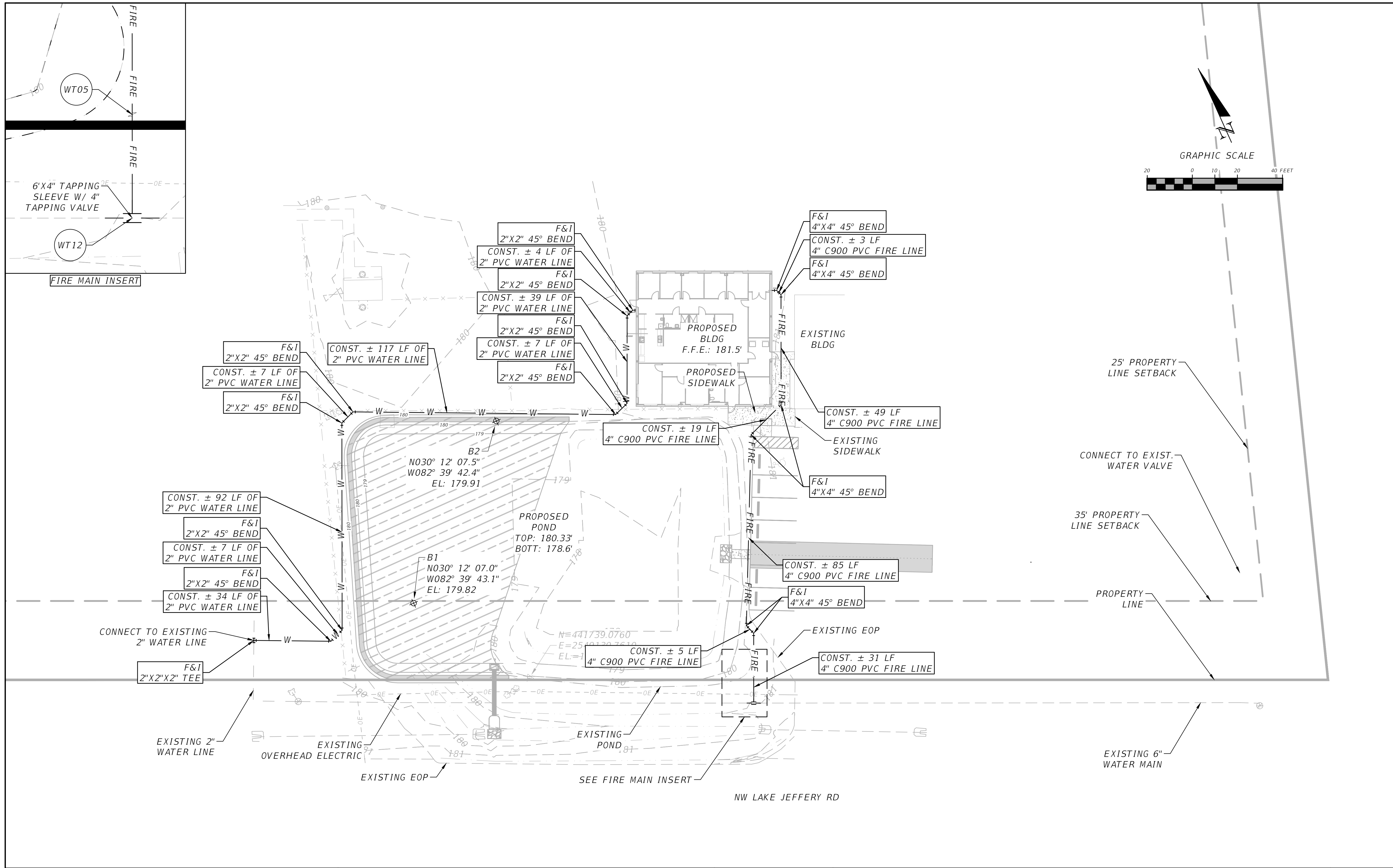
REVISIONS		 <b>NORTH FLORIDA PROFESSIONAL SERVICES, INC.</b> P.O. BOX 3823 LAKE CITY, FL 32056 PH. 386-752-4675 LIC NO. LB8356 2551 BLAIRSTONE PINES DR. TALLAHASSEE, FL 32301 WWW.NFPS.NET CA# 29011	<b>JOB NUMBER:</b> L150209CCB <b>EOR:</b> RYAN D. ASMUS <b>P.E. NO.:</b> 66626	<b>SWMF DETAILS</b> <b>LAKE JEFFERY ROAD FIRE STATION EXPANSION</b> <b>COLUMBIA COUNTY, FLORIDA</b>	<b>SHEET NO.</b>
DATE	DESCRIPTION				
					<b>C-7</b>


Keegan Renick

10/14/2024 4:33:16 PM

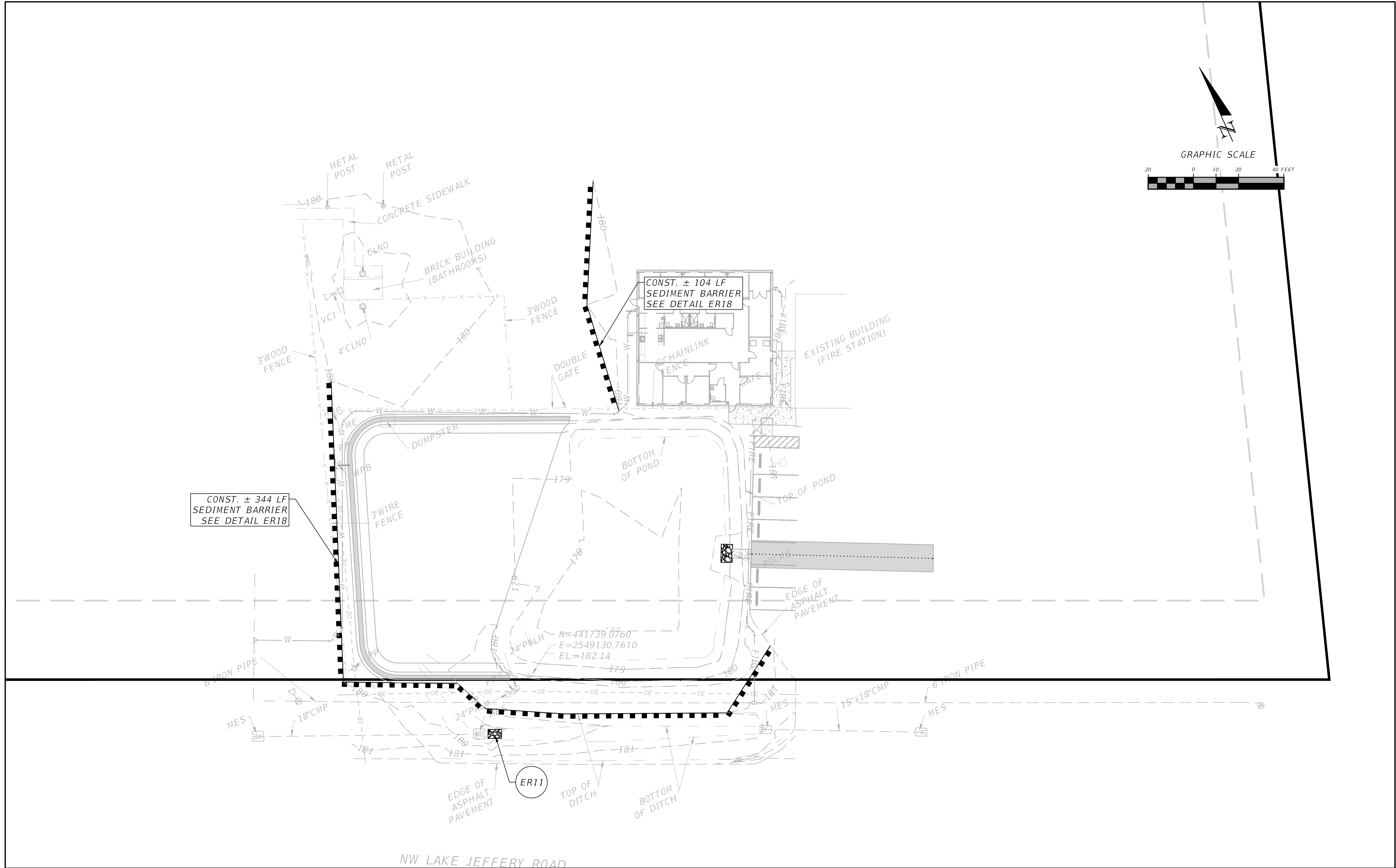
X:\2015\L150209CCB\H.CADD\FS51\Roadway\PLANRD\_FS51\_01.dwg C-7 SWMF DETAILS


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DATE	DESCRIPTION							



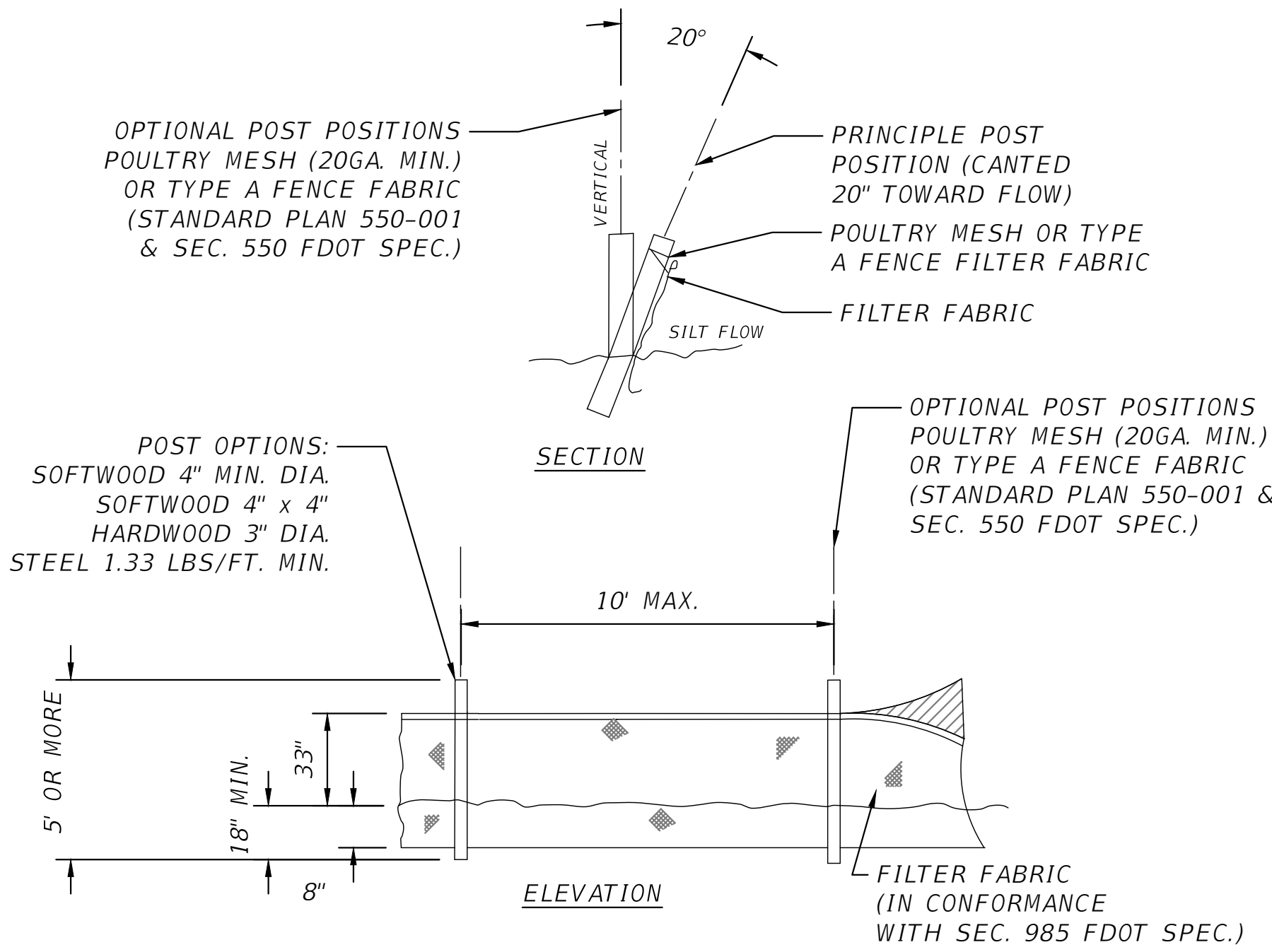


REVISIONS			NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 3823 LAKE CITY, FL 32056 PH. 386-752-4675 LIC NO. LB8356	2551 BLAIRSTONE PINES DR. TALLAHASSEE, FL 32301 WWW.NFPS.NET CA# 29011	JOB NUMBER: L150209CCB EOR: RYAN D. ASMUS P.E. NO.: 66626	EROSION CONTROL PLAN LAKE JEFFERY ROAD FIRE STATION EXPANSION COLUMBIA COUNTY, FLORIDA		SHEET NO.  C-9
DATE	DESCRIPTION							

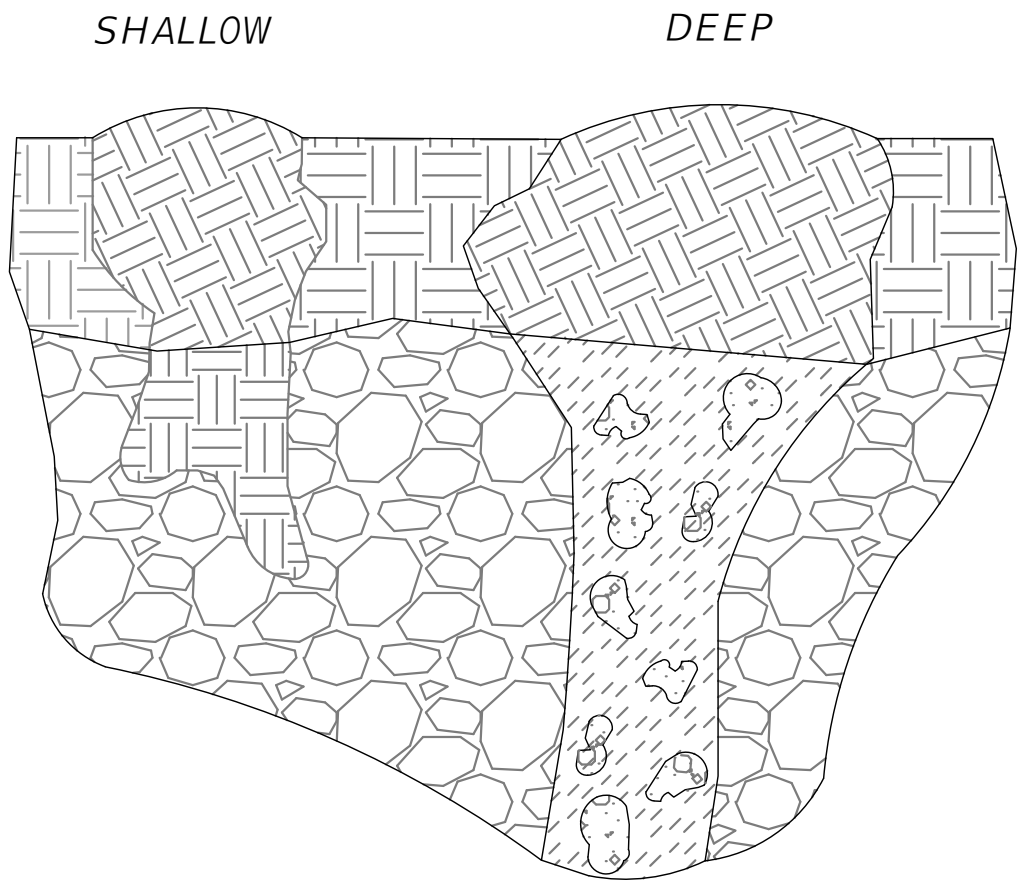
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EROSION CONTROL NOTES

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.




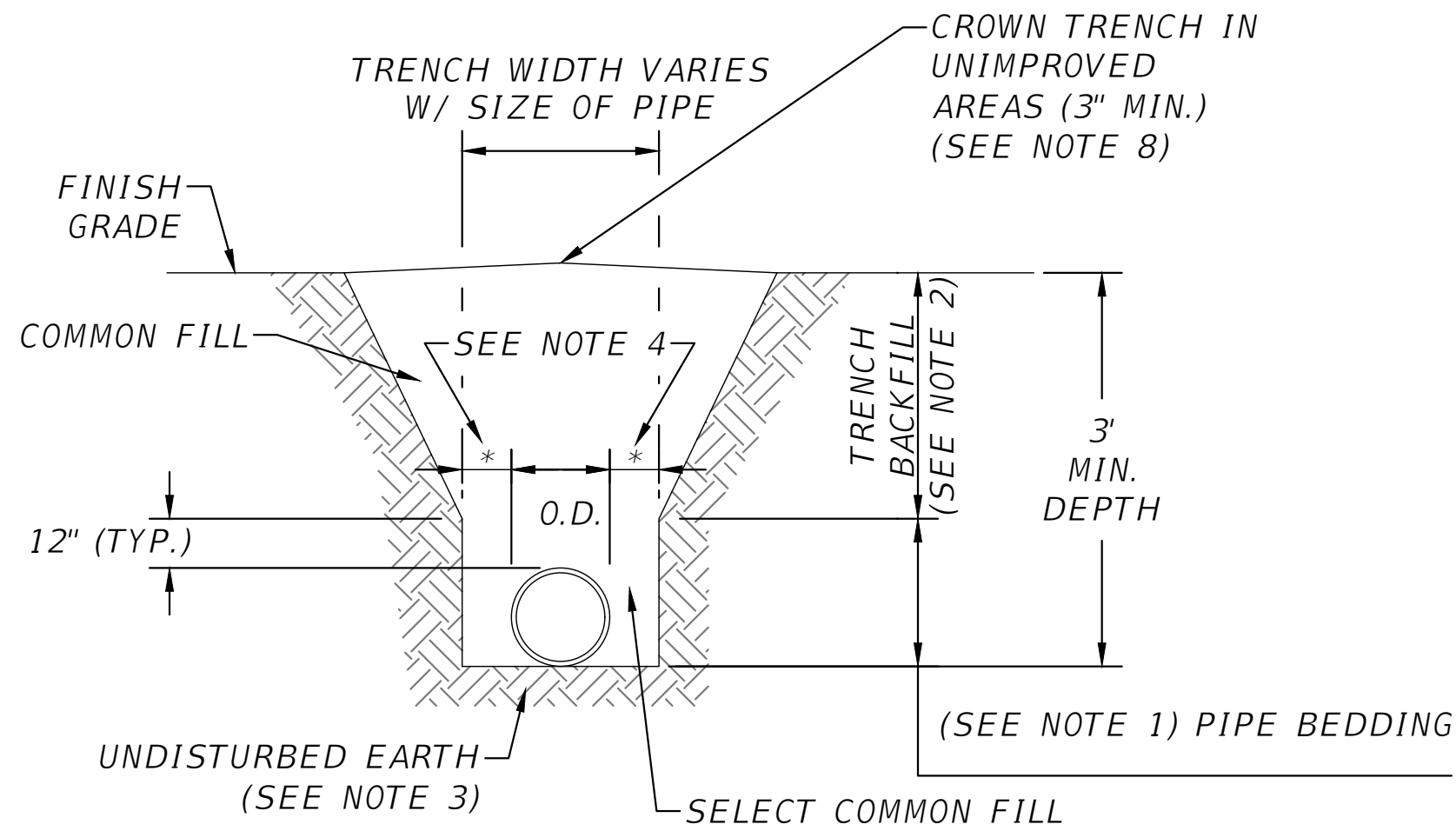
ER18 TYPE IV SILT FENCE  
SCALE: N.T.S.



- NOTES:  
THE FOLLOWING SHALL BE PERFORMED IN THE EVENT ANY KARST FEATURES FORM DURING CONSTRUCTION - E.G. SOLUTION CAVITIES, CHIMNEYS, SINKHOLES.
1. 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.
  2. 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.
  3. 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.

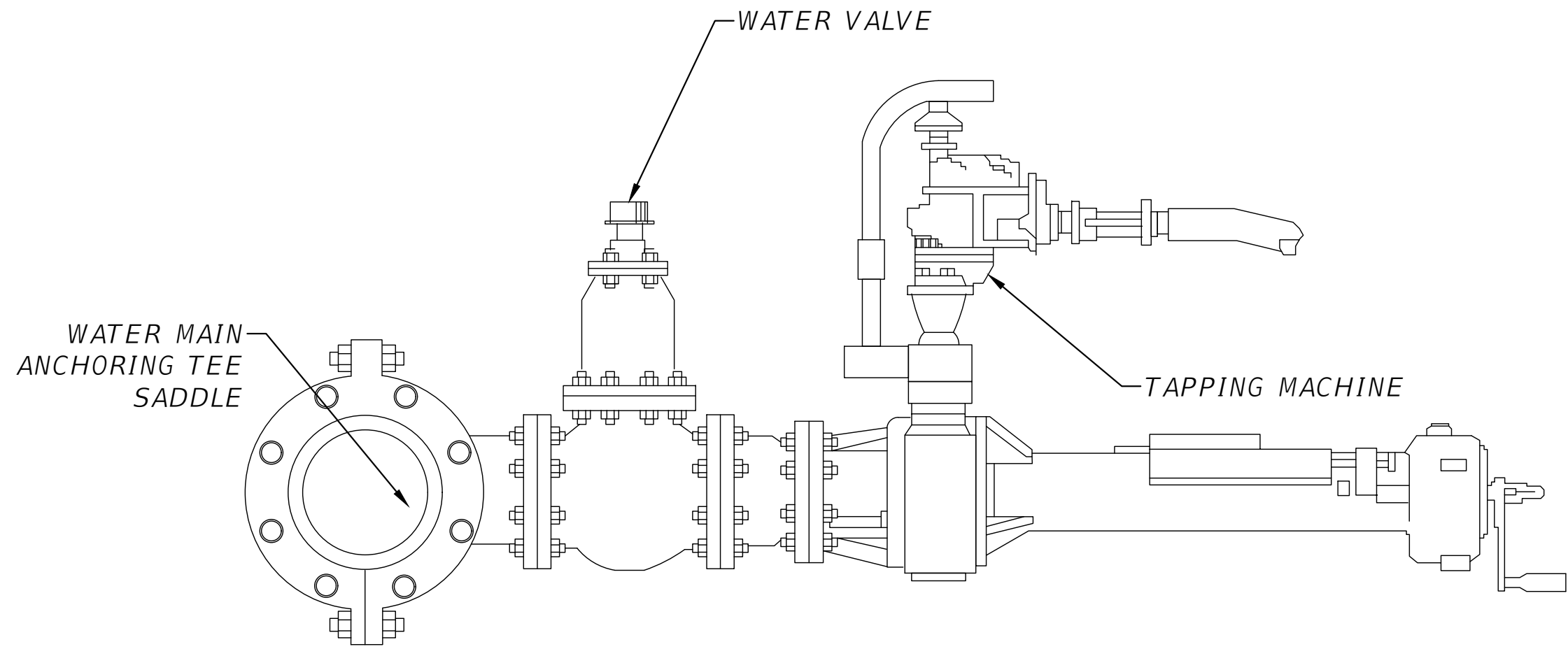
ER23 KARST FEATURE REPAIR DETAIL  
SCALE: N.T.S.

REVISIONS			<b>NORTH FLORIDA PROFESSIONAL SERVICES, INC.</b> 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: L150209CCB EOR: RYAN D. ASMUS P.E. NO.: 66626	<b>EROSION CONTROL NOTES &amp; DETAILS</b> <b>LAKE JEFFERY ROAD FIRE STATION EXPANSION</b> <b>COLUMBIA COUNTY, FLORIDA</b>	SHEET NO.
DATE	DESCRIPTION						
							C-10



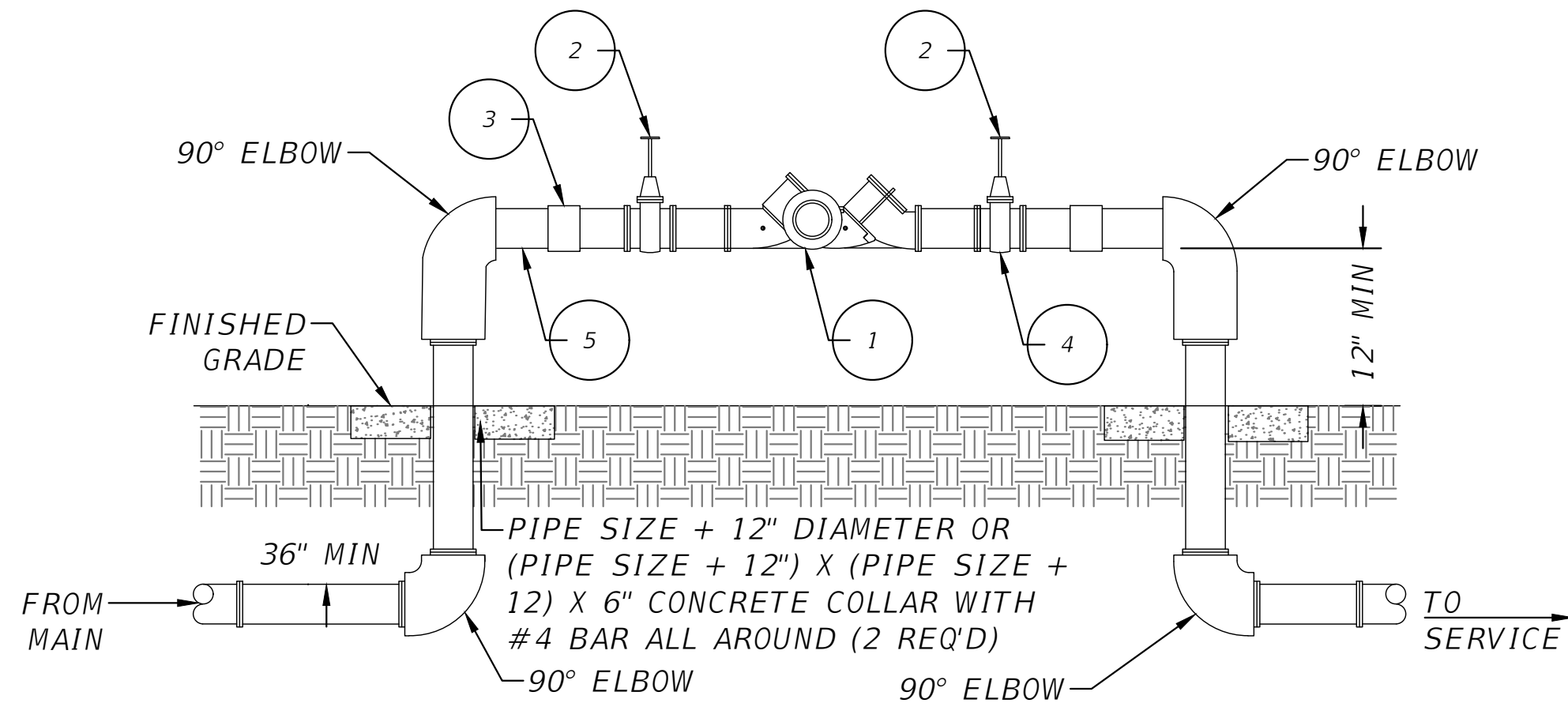
- NOTES:
1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
  2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
  3. PIPE BEDDING UTILIZING SELECT COMMON FILL OR BEDDING ROCK WILL BE REQUIRED IFOVER-EXCAVATION OCCURS.
  4. (\*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
  5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
  6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
  7. PROVIDE TRENCH SLOPING AND BRACING AS REQUIRED FOR SAFETY.
  8. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES. SURFACE RESTORATION WITHIN PAVED AREAS SHALL COMPLY WITH THE REQUIREMENTS OF THE ROAD CONSTRUCTION SPECIFICATIONS.

**WT11** TRENCH AND BACKFILL DETAILS  
SCALE: N.T.S



- NOTES:
1. CONTACT BRIAN SCOTT AT THE CITY OF LAKE CITY FOR WET TAP REQUIREMENTS.

**WT12** WET TAP AND SADDLE ASSEMBLY  
SCALE: N.T.S



MATERIALS	
ITEM	DECRPTION
1	BACKFLOW PREVENTER
2	GATE VALVE
3	UNION
4	TEST COCKS
5	THREADED NIPPLE

- NOTES:
1. UNDER NO CONDITION WILL ANY CONNECTION BE ALLOWED BETWEEN THE SERVICE METER AND A BACKFLOW PREVENTER USED FOR SYSTEM CONTAINMENT. BACKFLOW PREVENTER SHALL ALWAYS BE INSTALLED DOWNSTREAM OF METER.
  2. IF A PRESSURE MONITOR IS TO BE INSTALLED, ADD A TEE, VALVE FITTINGS, AND MOUNT ON SUPPLY SIDE PRIOR TO BACKFLOW PREVENTION DEVICE: UNDER NO CIRCUMSTANCE, SHALL TEST PORTS BE MODIFIED OR UTILIZED FOR THIS OR OTHER APPLICATION OTHER THAN BACKFLOW DEVICE TESTING.
  3. A CONBRACO SERIES 40-000 FREEZE PROTECTION VALVE SHALL BE INCLUDED.
  4. PROVIDE AND INSTALL COVER OVER BACKFLOW PREVENTER AS REQ'D BY LOCAL AUTHORITIES.

**WT05** REDUCED PRESSURE BACKFLOW PREVENTER  
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:  
L150209CCB  
EOR:  
RYAN D. ASMUS  
P.E. NO.:  
66626

**UTILITIES DETAILS**  
**LAKE JEFFERY ROAD FIRE STATION EXPANSION**  
**COLUMBIA COUNTY, FLORIDA**

SHEET  
NO.

C-11

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- 
- Technical drawing showing a curb and gutter detail. The drawing includes a top view (plan) and a side elevation view.
- Top View (Plan):**
- Shows a curb with a width of 4'.
  - The gutter width is labeled "VARIES".
  - A dimension of 6" is shown for the curb thickness.
  - A dimension of 3' is shown for the gutter width.
  - A line labeled "A" indicates a section line.
- Side Elevation View:**
- Shows the curb and gutter profile.
  - The curb height is labeled "18" MIN".
  - The gutter depth is labeled "4" MIN".
  - The gutter width is labeled "18" MIN".
  - The gutter is labeled "CONSTRUCT RIP RAP ENERGY DISSIPATOR".
  - The top of the curb is labeled "TOP OF BANK".
  - The bottom of the gutter is labeled "BOTTOM OF BANK".
  - A dimension of 4" MIN. is shown for the gutter width.

**ST14 CONCRETE SPILLWAY DETAIL**  
**SCALE: N.T.S**

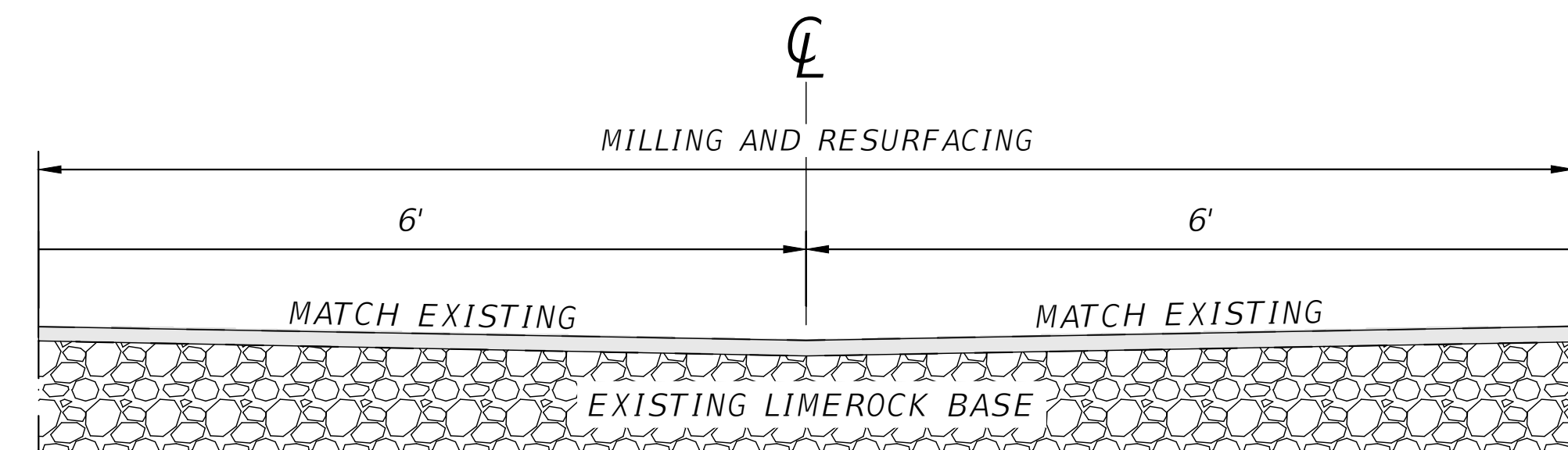


- 
- Diagram illustrating the layout and dimensions of a wheelchair accessible space, showing the wheel stop location and the 6" blue set 2" inside white border.
- Dimensions:
- 10'
  - 5'
  - 12'
  - 20'
  - 4" WHITE (TYP)
  - 4" WHITE (TYP)
  - ACCESS AISLE
  - 6" BLUE SET 2" INSIDE WHITE

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.

**MS21 HANDICAP PARKING SIGN & STALL DETAIL**  
**SCALE: N.T.S**



**MS05 ASPHALT REPAIR DETAIL**  
**SCALE: N.T.S**

MILL: 2" DEPTH AT EXISTING CROSS SLOPE  
RESURFACE: 2" DEPTH TYPE SP 12.5  
STRUCTURAL COURSE

REVISIONS	
DATE	DESCRIPTION



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

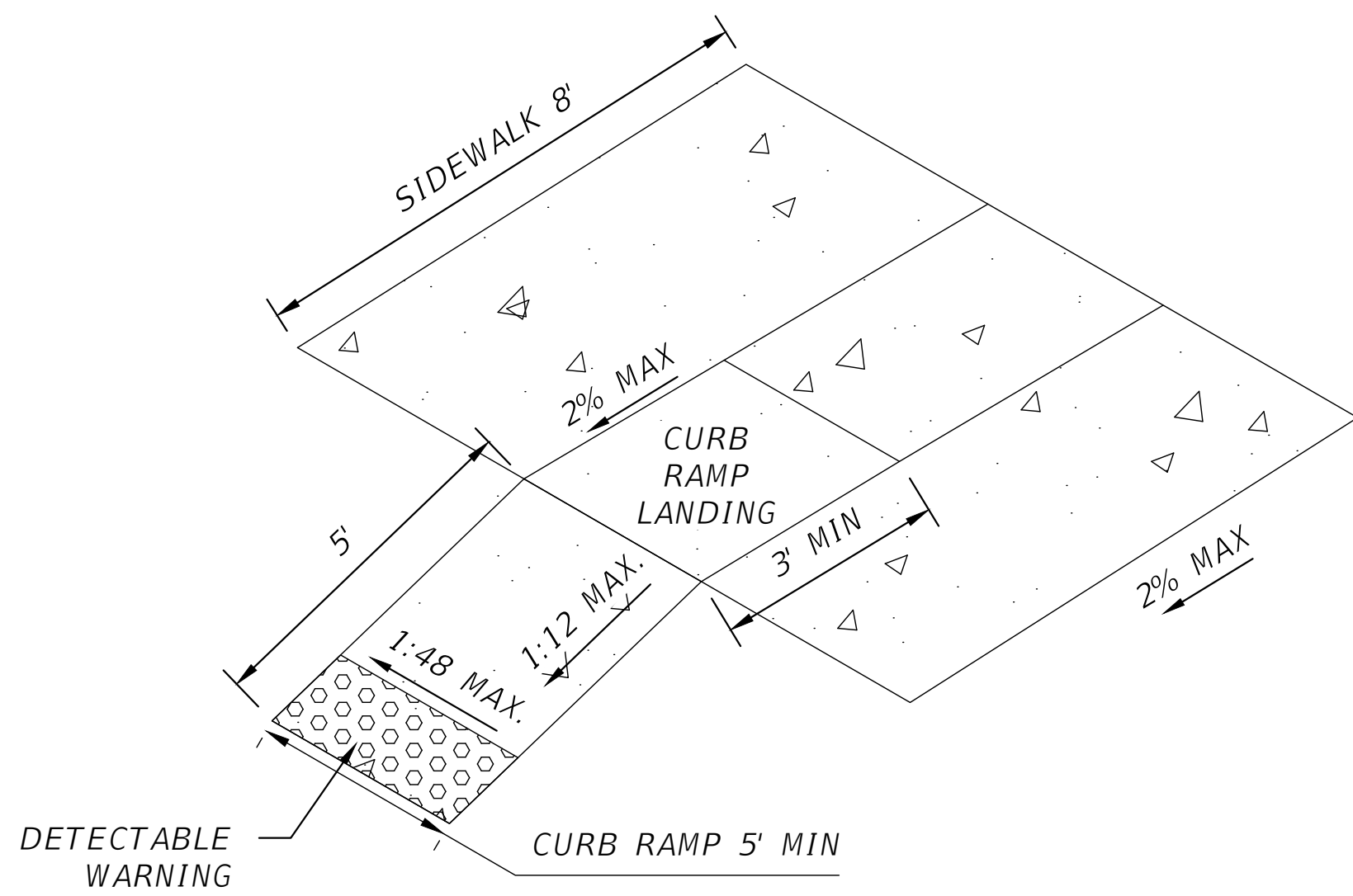
**JOB NUMBER:**  
**L150209CCB**  
**EOR:**  
**RYAN D. ASMUS**  
**P.E. NO.:**  
**66626**

## MISC DETAILS

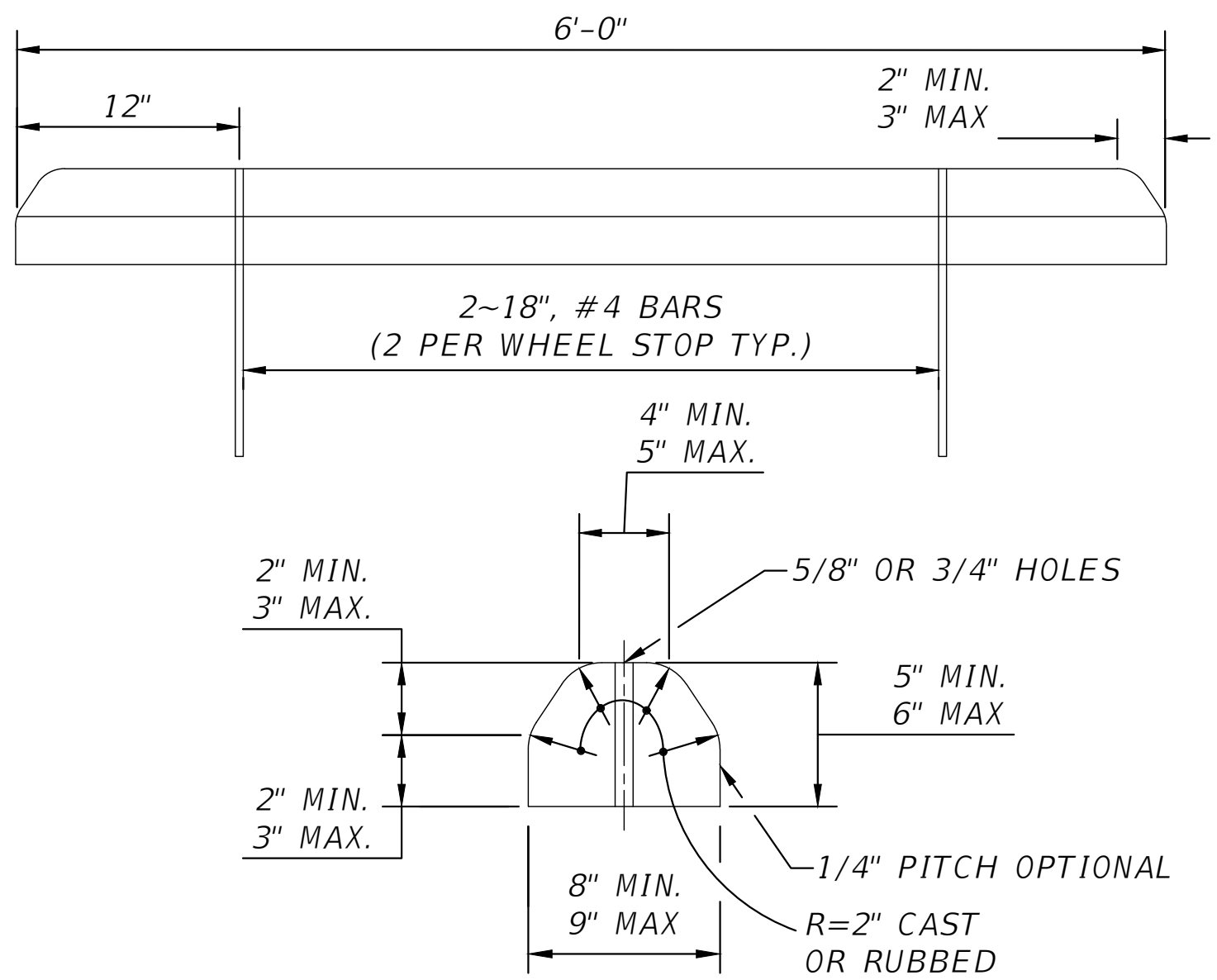
### LAKE JEFFERY ROAD FIRE STATION EXPANSION COLUMBIA COUNTY, FLORIDA

**SHEET  
NO.**

**C-12**



**MS20** ADA RAMP DETAIL "A"  
SCALE: N.T.S



**MS24** WHEEL STOP DETAIL  
SCALE: N.T.S

REVISIONS	
DATE	DESCRIPTION



**NORTH FLORIDA PROFESSIONAL SERVICES, INC.**  
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P.E. NO.:  
66626

**MISC DETAILS**  
**LAKE JEFFERY ROAD FIRE STATION EXPANSION**  
**COLUMBIA COUNTY, FLORIDA**

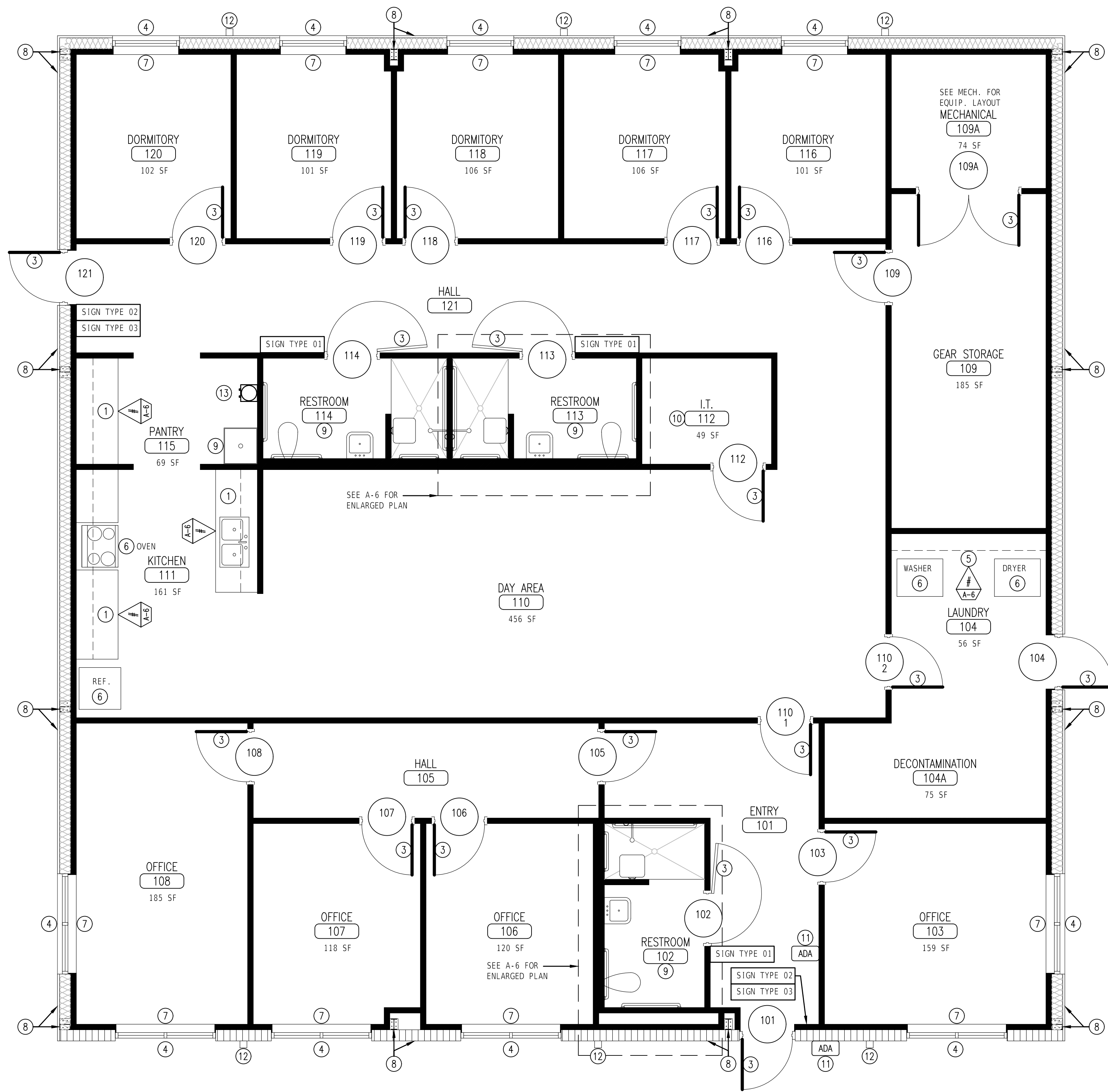
SHEET  
NO.

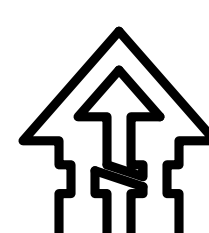
C-13

Summary of Lump Sum Items								Summary of General Items									
Pay Item Number	Pay Item Description	Unit of Measure	Quantity		Total Quantity		Design Notes	Construction Remarks	Pay Item Number	Pay Item Description	Unit of Measure	Quantity		Total Quantity		Design Notes	Construction Remarks
			P	F	P	F						P	F	P	F		
0101 1	MOBILIZATION	LS	1		1				0542 70	BUMPER GUARDS, CONCRETE	EA	6		6			
Summary of Clearing & Grubbing								SUMMARY OF PERFORMANCE TURF									
Pay Item Number	Pay Item Description	Unit of Measure	Quantity		Total Quantity		Design Notes	Construction Remarks	Pay Item Number	Pay Item Description	Unit of Measure	Quantity		Total Quantity		Design Notes	Construction Remarks
			P	F	P	F						P	F	P	F		
110 1 1	CLEARING & GRUBBING	AC	0.22		0.22				0570 1 2	PERFORMANCE TURF, SOD	SY	1031.1		1031.1			
Summary of Earthwork								Summary of Signing and Pavement Marking									
Pay Item Number	Pay Item Description	Unit of Measure	Quantity		Total Quantity		Design Notes	Construction Remarks	Pay Item Number	Pay Item Description	Unit of Measure	Quantity		Total Quantity		Design Notes	Construction Remarks
			P	F	P	F						P	F	P	F		
0120 1	REGULAR EXCAVATION	CY	77						0710 11 101	PAINT, STANDARD, WHITE, SOLID, 6" FOR PARKING SPACES	LF	120		120			
Summary of Pavement								0710 11 160	PAINT, STANDARD, WHITE, MESSAGE OR SYMBOL (HANDICAP SYMBOL)	EA	1		1				
Pay Item Number	Pay Item Description	Unit of Measure	Quantity		Total Quantity		Design Notes	Construction Remarks	0710 11 142	PAINT, STANDARD, BLUE, SOLID, 6"	LF	110		110			
			P	F	P	F			P	F							
0327 70 5	MILLING EXIST ASPH PAVT, 2" DEPTH	SY	107.7		107.7												
0334 1 12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	TN	12		12												
Summary of Sidewalk and Detectable Warnings								Summary of Utility Items									
Pay Item Number	Pay Item Description	Unit of Measure	Quantity		Total Quantity		Design Notes	Construction Remarks	Pay Item Number	Pay Item Description	Unit of Measure	Quantity		Total Quantity		Design Notes	Construction Remarks
			P	F	P	F						P	F	P	F		
522 2	Concrete Sidewalk and Driveways, 6" Thick	SY	51.52		51.52				1050 31202	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 2"	LF	303		303			
527 2	Detectable Warning Surface	SF	10		10				1050 31204	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 4"	LF	193		193			
Summary of Drainage								1080 23104	UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 4"	EA	1		1				
Pay Item Number	Pay Item Description	Unit of Measure	Quantity		Total Quantity		Design Notes	Construction Remarks									
			P	F	P	F											
425 1521	INLETS, DT BOT, TYPE C, <10'	EA	1		1												
430175112	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 12" S/CD	LF	24		24												
430982121	MITERED END SECTION, OPTIONAL ROUND, 12" CD	EA	1		1												
524 1 49	CONCRETE DITCH PAVEMENT, 6", REINFORCED	SY	3.7		3.7												
SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES																	
Pay Item Number	Pay Item Description	Unit of Measure	Quantity		Total Quantity		Design Notes	Construction Remarks									
			P	F	P	F											
0104 10 3	SEDIMENT BARRIER	LF	448		448												
0530 3 4	RIPRAP, RUBBLE, F&I, DITCH LINING	TN	3.2		5.12												
			1.92														
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: L150209CCB EOR: RYAN D. ASMUS P.E. NO.: 66626		SUMMARY OF QUANTITIES LAKE JEFFERY ROAD FIRE STATION EXPANSION COLUMBIA COUNTY, FLORIDA				SHEET NO.  C-14		
DATE	DESCRIPTION																

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 **FLOOR PLAN**  
1/4" = 1'-0"  
3,600 GSF

- WALL LEGEND**
- EXTERIOR SPLIT-FACE 8" CMU WALL W/ FOAM INSUL. IN ALL CELLS NOT FILLED W/ CONC. - SEE STRUCT. FOR CMU REINF. - SEE EXT. ELEV'S.
  - EXTERIOR PRE-ENGINEERED MT'L. BLD'G. FRAM'G., PURLINS, INSUL. AND EXT. PANEL'G. - SEE EXT. ELEV'S.
  - INTERIOR 3-5/8" 20 GA. MT'L. STUD. FRAM'G. AT 16" O.C. AND ONE LAYER OF 5/8" TYPE X GYP. BD. ON INT. SIDE - EXTEND FULL PEMB WALL HT. - APPROX. 12'-0" A.F.F.
  - INTERIOR 3-5/8" (OR 6" WHERE INDICATED) 20 GA. MT'L. STUD FRAM'G. AT 16" O.C. W/ ONE LAYER OF 5/8" TYPE X GYP. BD. ON EA. (5/8" MOISTURE RESISTANT TILE BACKER BD. ON RESTROOM AND CUSTODIAL ROOM SIDES) - EXTEND WALLS TO 12'-0" A.F.F.

- SIGNAGE LEGEND**
- SIGN TYPE 01 ROOM NAME AND GENDER AND ACCESSIBILITY GRAPHICS SIGN - REFER TO PROJECT MANUAL SECTION 10 1400 SIGNAGE
  - SIGN TYPE 02 EXIT SIGN - REFER TO PROJECT MANUAL SECTION 10 1400 SIGNAGE
  - SIGN TYPE 03 EMERGENCY EVACUATION SIGN - REFER TO PROJECT MANUAL SECTION 10 1400 SIGNAGE

- FLOOR PLAN NOTES**
- 1 ARCHITECTURAL CASEWORK W/ SINKS WHERE INDICATED - COORD. W/ MEP
  - 2 SHT. MT'L. DOWNSPOUT - COORD. W/ ROOF PLAN, EXTERIOR ELEVATIONS AND CIVIL DOCUMENTS
  - 3 DOOR, FRAME AND DOOR HARDWARE AS SCHED.
  - 4 EXTERIOR ALUM.-FRAMED STOREFRONT FRAM'G. AND GLAZ'G. SYS.
  - 5 ADJUSTABLE MT'L. SHELV'G.
  - 6 OWNER FURNISHED AND INSTALLED EQUIP. - COORD. W/ MEP FOR ROUGH-IN REQUIREMENTS
  - 7 MANUAL ROLLER SHADES
  - 8 PRE-ENGINEERED MT'L. BLD'G. STRUCT. AND ASSOCIATED EXT. WALLS
  - 9 PLUMB'G. FIXTURES AND ACCESSORIES - COORD. W/ PLUMB'G.
  - 10 PLYWOOD AROUND ROOM INTERIOR - PAINT W/ GRAY FIRE RETARDANT PAINT - INSTALL AT 6" A.F.F.
  - 11 ADA PUSH BUTTON DOOR OPERATOR
  - 12 DOWNSPOUT - COORD. W/ CIVIL FOR UNDERGROUND TIE-IN
  - 13 WATER COOLER - BY OWNER
  - 14 REFER TO SECTION 09 1000 OF PROJECT MANUAL FOR FINISH SCHEDULE - TYP. NOTE THROUGHOUT
  - 15 COORD. W/ CIVIL, STRUCTURAL AND MEP DOCUMENTS FOR ADDITIONAL SCOPE OF WORK - TYP. NOTE THROUGHOUT