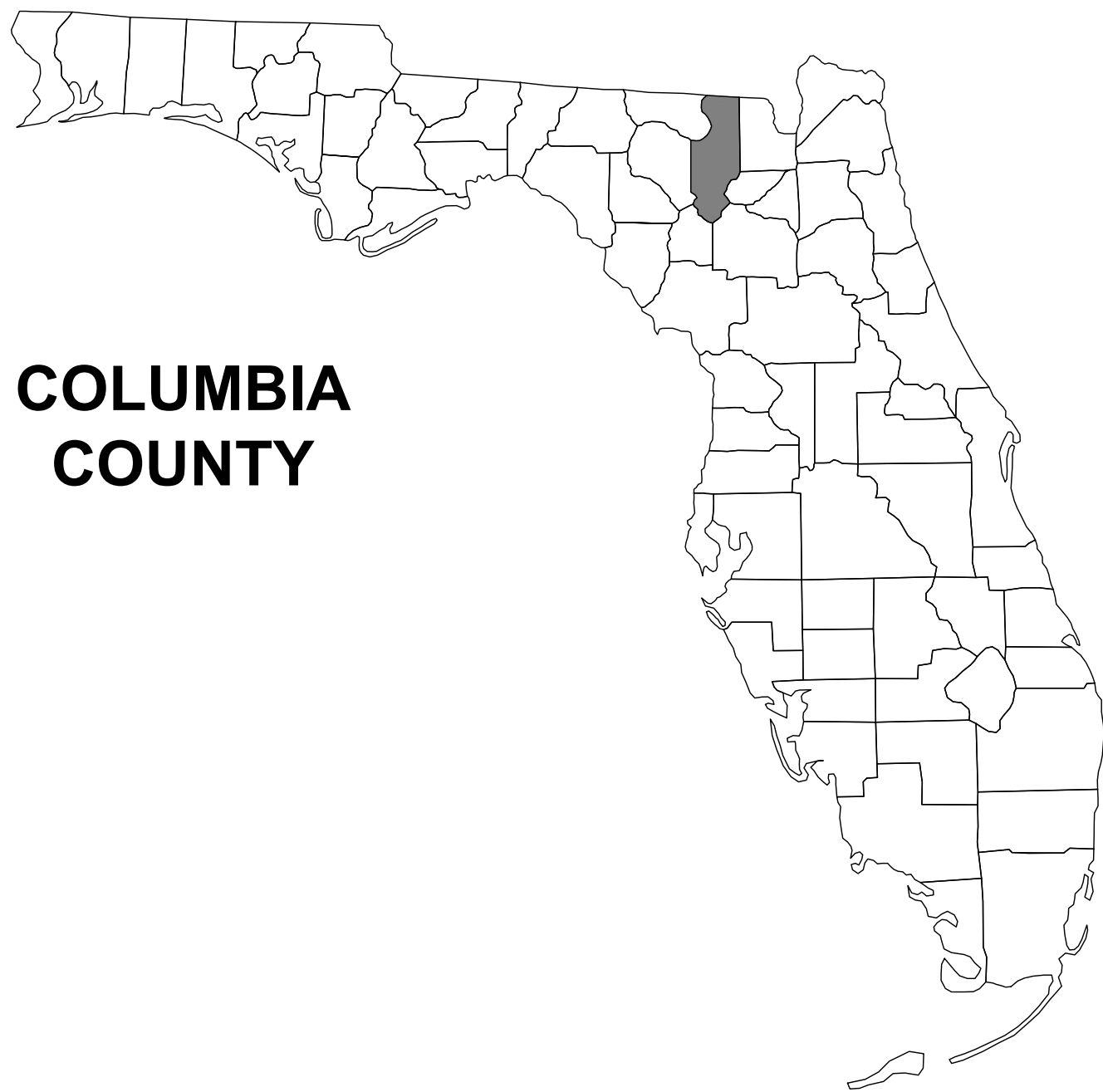


SUNSTOP #303

COLUMBIA COUNTY, FLORIDA



COLUMBIA
COUNTY

PROJECT LOCATION



SHEET INDEX

COVER SHEET	C-1
SIGNATURE SHEET	C-2
GENERAL NOTES	C-3 - C-4
TYPICAL SECTION	C-5
TURNOUT DETAILS	C-6
OVERALL SITE PLAN	C-7
GRADING PLAN	C-8
LANDSCAPE PLAN	C-9
STORMWATER PLAN	C-10
DEMOLITION PLAN	C-11
ROADWAY PLAN, PROFILE & CROSS SECTIONS	C-12
SWMF	C-13
SWMF DETAILS	C-14
PRE CONDITION DRAINAGE BASIN	C-15
POST CONDITION DRAINAGE BASIN	C-16
SWPPP	C-17
EROSION CONTROL NOTES	C-18
TRAFFIC CONTROL PLAN	C-19
DETAILS	C-20 - C-21
SURVEY	C-22

PLANS PREPARED FOR:

SOUTHWEST GEORGIA OIL
1711 E SHOTWELL ST.
BAINBRIDGE, GA 39819
(229) 246-1553

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

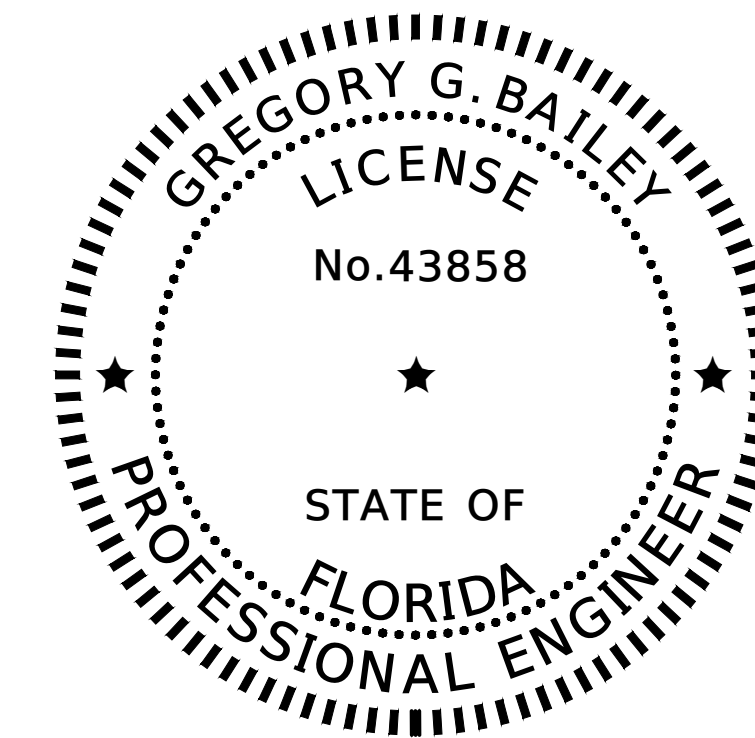
JOB NUMBER:
L210118SWG
EOR:
GREGORY G. BAILEY
P.E. NO.:
43858

COVER SHEET

SHEET
NO.

C-1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



THIS DOCUMENT HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

Gregory G Bailey

Digitally signed by Gregory G Bailey
DN: CN=Gregory G Bailey,
OU=AG1410C00000176F210F37A00010F63,
O=NORTH FLORIDA PROFESSIONAL
SERVICES INC., C=US
Date: 2022.01.25 15:30:26-0500

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
GREGORY G. BAILEY, P.E. NO. 43858

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
SIGNATURE SHEET	C-2
GENERAL NOTES	C-3 - C-4
TYPICAL SECTION	C-5
TURNOUT DETAILS	C-6
OVERALL SITE PLAN	C-7
GRADING PLAN	C-8
LANDSCAPE PLAN	C-9
STORMWATER PLAN	C-10
DEMOLITION PLAN	C-11
ROADWAY PLAN, PROFILE & CROSS SECTIONS	C-12
SWMF	C-13
SWMF DETAILS	C-14
PRE CONDITION DRAINAGE BASIN	C-15
POST CONDITION DRAINAGE BASIN	C-16
SWPPP	C-17
EROSION CONTROL NOTES	C-18
TRAFFIC CONTROL PLAN	C-19
DETAILS	C-20 - C-21
SURVEY	C-22

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: L210118SWG EOR: GREGORY G. BAILEY P.E. NO.: 43858	SIGNATURE SHEET STATION # 303 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 OF SUCH DIFFERENCES IMMEDIATELY AND PRIOR TO PROCEEDING WITH THE WORK.
2. THE CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS AS SET FORTH BY THE CITY OF LAKE CITY AND THE ISSUED SUWANNEE RIVER WATER MANAGEMENT DISTRICT ENVIRONMENTAL RESOURCE PERMIT, FLORIDA DEPARTMENT OF TRANSPORTATION DRIVEWAY CONNECTION PERMIT. THE CONTRACTOR SHALL SUBMIT A NOTICE OF CONSTRUCTION COMMENCEMENT TO THE WATER MANAGEMENT DISTRICT AT LEAST 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.
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. BOUNDARY INFORMATION SHOWN, WAS OBTAINED FROM A BOUNDARY SURVEY PREPARED BY NORTH FLORIDA PROFESSIONAL SERVICES, FLORIDA LICENSE NO. LB8356.
5. 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.
6. THE SITE IS LOCATED IN SECTION 33, TOWNSHIP 3 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA.
7. 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.
8. THE STORMWATER BASIN IS DESIGNED IN ACCORDANCE WITH SRWMD APPLICANT HANDBOOK VOLUME II AND 62-330 F.A.C.
9. ALL SLOPES OF THE STORMWATER BASIN SHALL BE GRASSED. ALL SLOPES STEEPER THAN 3:1 SHALL BE STAPLED SOD.
10. 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 THOUGH AUGUST, THE MIX SHALL CONSIST OF 70 PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF MILLET.
11. 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. CONTRACTOR SHALL CONTACT 811 OR 1-800-432-4770 AT LEAST 2 BUSINESS DAYS BEFORE BEGINNING CONSTRUCTION.
- CONTACT PHONE NUMBERS:
AT&t DISTRIBUTION: 904-727-1568
CITY OF LAKE CITY UTILITIES: 386-758-5456
CITY OF LAKE CITY GAS: 386-758-5405
COMCAST: 904-380-6331
FLORIDA POWER & LIGHT: 904-225-3003
DARRYL BOYETT: 229-400-3801
12. ALL UTILITY CONSTRUCTION SHALL MEET THE CITY OF LAKE CITY WATER AND WASTEWATER UTILITY STANDARDS, AVAILABLE FROM CITY HALL OR PUBLIC WORKS.
13. CONTRACTOR SHALL REVIEW AND BECOME FAMILIAR WITH ALL REQUIRED UTILITY CONNECTIONS PRIOR TO BIDDING. CONTRACTOR SHALL PROVIDE ALL WORK AND MATERIALS REQUIRED TO COMPLETE CONNECTION TO THE EXISTING UTILITIES. THIS INCLUDES BUT IS NOT LIMITED TO MANHOLE CORING, WET TAPS, PAVEMENT REPAIRS AND DIRECTIONAL BORING.
14. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS WITHIN PROJECT AREA.
15. IF UNSUITABLE MATERIAL IS ENCOUNTERED DURING GRADING, CONTRACTOR SHALL REMOVE UNSUITABLE MATERIAL TO A DEPTH OF 24" BELOW FINISHED GRADE WITHIN THE CONSTRUCTION LIMITS.
16. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS PREPARED BY NORTH FLORIDA PROFESSIONAL SERVICES, INC., OCTOBER, 2021.
- 17.THE CONTRACTOR SHALL NOTIFY THE CITY AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION.
- 18.THE CONTRACTOR SHALL NOTIFY THE CITY AT LEAST 48 HOURS IN ADVANCE OF THE PRESSURE AND LEAKAGE TESTS.
- 19.NO FINAL TESTING OR PRESSURE TESTING WILL BE ACCEPTED UNLESS WITNESSED BY THE CITY'S REPRESENTATIVE.
20. 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.

21. 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. 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.
22. CONTRACTOR SHALL SUBMIT ANY REQUIRED SHOP DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO ORDERING.
23. ANY DISTURBED AREA NOT ADDRESSED ON THE PLANS SHALL BE GRADED TO FACILITATE POSITIVE DRAINAGE.
24. CONTRACTOR SHALL DE-SILT EXISTING CONTROL STRUCTURE AND ENSURE UNOBSTRUCTED FLOW INTO OUTFALL PIPE. CONNECTION AND FLOW TO CITY STORMWATER SHALL BE VERIFIED.
25. EXISTING 4" PVC BLEEDER ON CONTROL STRUCTURE SHALL BE PLUGGED WITH NON-SHRINK GROUT.
26. SITE CONTRACTOR SHALL PROVIDE AS BUILT SURVEY UPON COMPLETION OF PROJECT TO INCLUDE LOCATION AND ELEVATION OF THE FOLLOWING: STORMWATER STRUCTURES, INVERTS, BURIED UTILITIES, CURB RETURNS AND CONNECTIONS.

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: L210118SWG EOR: GREGORY G. BAILEY P.E. NO.: 43858	GENERAL NOTES STATION # 303 COLUMBIA COUNTY, FLORIDA	SHEET NO.
DATE	DESCRIPTION						
							C-3

SITE DATA TABLE				
SUN STOP #303				
PARCEL ID NUMBER	33-3S-17-06555-001			
ZONING	COMMERCIAL, INTENSIVE			
FUTURE LAND USE	LAKE CITY (CITY FUTURE LAND USE NOT GIVEN)			
CITY COUNCIL DISTRICT	DISTRICT 10			
PHYSICAL ADDRESS	1166 E DUVAL ST, LAKE CITY, FL 32055			
PROJECT PROPERTY BOUNDARY		SQ. FT.	ACRES	% OF SITE
	TOTAL PROPERTY BOUNDARY AREA	31,799	0.73	100.00%
PROJECT AREA / LIMITS OF CONSTRUCTION (LOC)		26,032	0.60	100.00%
BOTH ON-SITE & OFF-SITE		29,932	0.69	100.00%
EXISTING IMPERVIOUS AREA ON-SITE				
	EXISTING ASPHALT PAVEMENT	0	0.00	0.00%
	EXISTING CONCRETE	0	0.00	0.00%
	EXISTING BUILDING	0	0.00	0.00%
	EXISTING STORMWATER MANAGEMENT FACILITY	10,018	0.23	31.50%
	TOTAL EXISTING IMPERVIOUS AREA ON-SITE	10,018	0.23	31.50%
PROPOSED IMPERVIOUS AREA ON-SITE				
	EXISTING ASPHALT PAVEMENT TO REMAIN	0	0.00	0.00%
	EXISTING CONCRETE TO REMAIN	0	0.00	0.00%
	EXISTING BUILDING TO REMAIN	0	0.00	0.00%
	EXISTING STORMWATER MANAGEMENT FACILITY TO REMAIN	10,018	0.23	31.50%
	PROPOSED ASPHALT PAVEMENT	11,812	0.27	37.15%
	PROPOSED CONCRETE	3,078	0.07	9.68%
	PROPOSED BUILDING	0	0.00	0.00%
	PROPOSED STORMWATER MANAGEMENT FACILITY	5,336	0.12	16.78%
	TOTAL PROPOSED IMPERVIOUS AREA ON-SITE (INCLUDING STORMWATER) MANAGEMENT FACILITY)	30,244	0.69	95.11%
	TOTAL PROPOSED PERVIOUS AREA ON-SITE	1,555	0.04	4.89%
REQUIRED PARKING LANDSCAPE AREA ON-SITE		0	0.02	0.00%
PROPOSED PARKING LANDSCAPE AREA ON SITE		0	0.00	0.00%
REQUIRED PARKING		0		
FLOOR AREA RATIO		0		
BUILDING COVERAGE		0		
INTERIOR LANDSCAPING FOR PAVED AREAS (OTHER THAN PARKING)		0.00%		
PROVIDED PARKING		PARKING TO BE PROVIDED AT EXISTING STORE.		

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:
L210118SWG

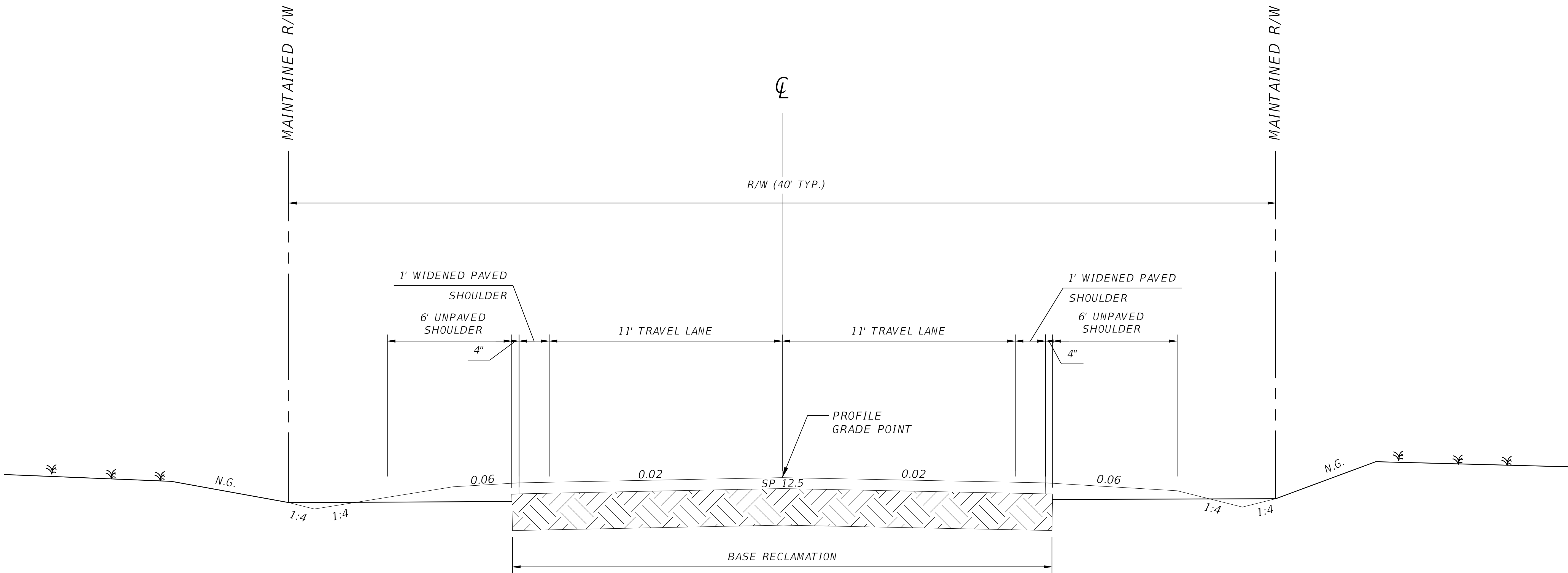
EOR:
GREGORY G. BAILEY

P.E. NO.:
43858

GENERAL NOTES
STATION # 303
COLUMBIA COUNTY, FLORIDA

SHEET
NO.

C-4



TYPICAL SECTION
N.T.S.

STA. 00+47.95 TO 1+73.76
DESIGN SPEED = 25 MPH

BASE RECLAMATION
SEE NOTES THIS PAGE

RESURFACING
TYPE S.P. 12.5 STRUCTURAL COURSE (TL-C) (2") (PG 76-22)

BASE RECLAMATION NOTES

1. EXCAVATE 6" DEEP WIDENING TRENCH ON EACH SIDE.
2. PLACE 4" LAYER OF LIMEROCK OVER ENTIRE EXISTING ROADWAY WIDTH.
3. RECLAIM EXISTING PAVEMENT
4. BLADE EXCESS RECLAIMED BASE MATERIAL INTO WIDENEING TRENCH.
5. RESHAPE AND COMPACT RECLAIMED MATERIAL INTO BASE FOR ENTIRE ROADWAY.

REVISIONS	
DATE	DESCRIPTION



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

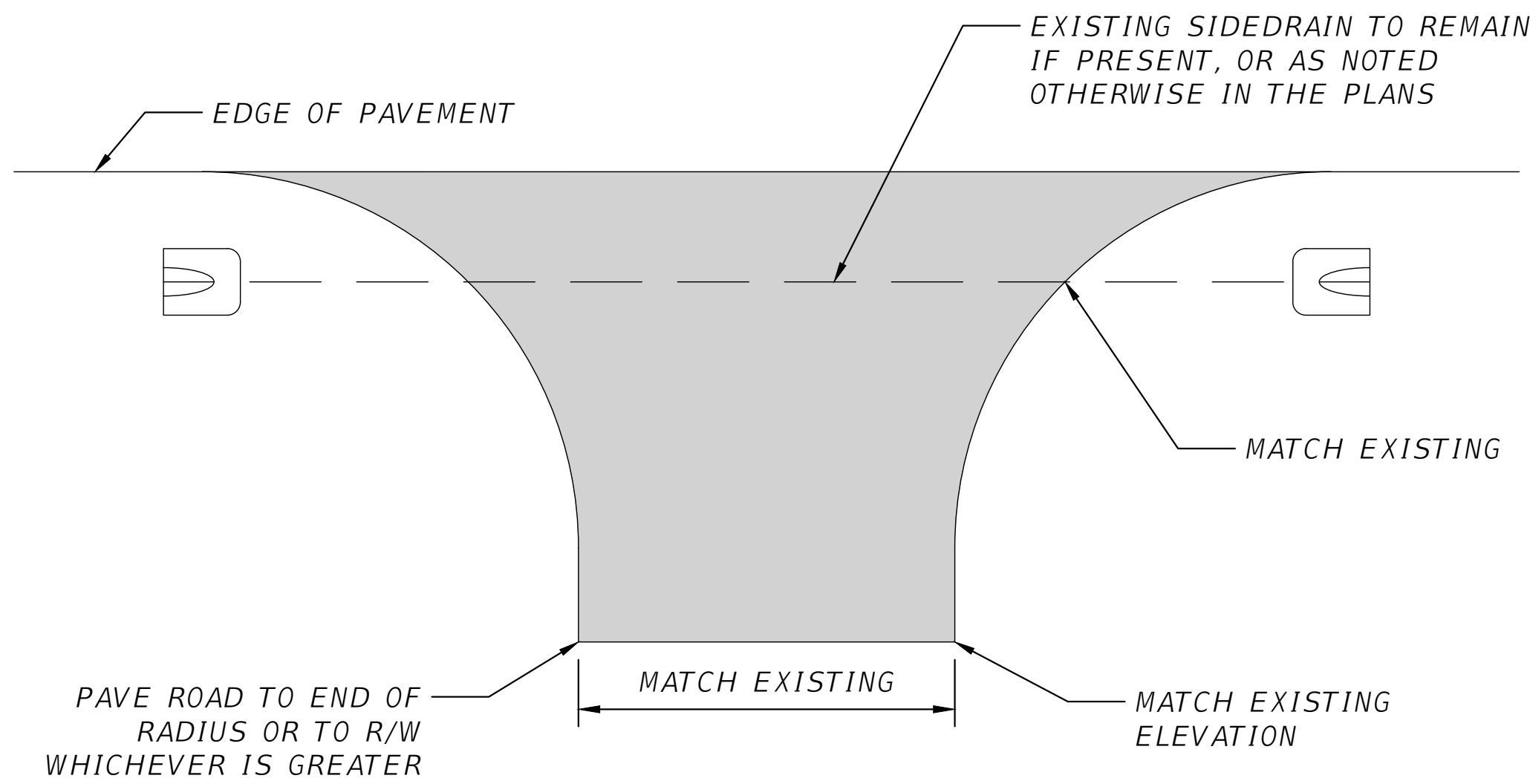
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER:
L210118SWG
EOR:
GREGORY G. BAILEY
P.E. NO.:
43858

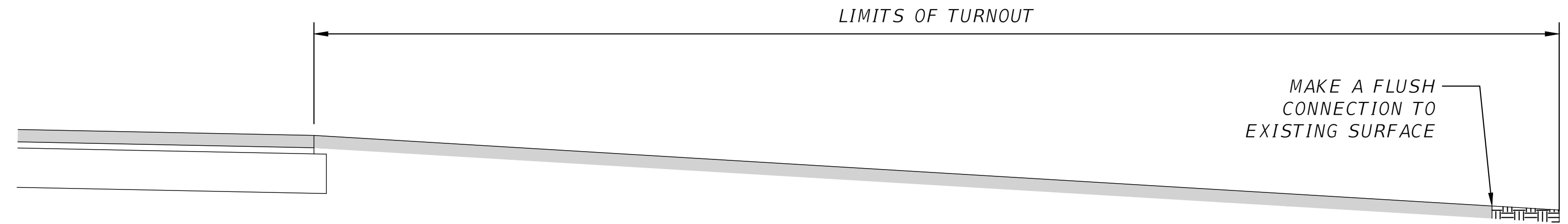
TYPICAL SECTION
STATION # 303
COLUMBIA COUNTY, FLORIDA

SHEET
NO.

C-5



PLAN VIEW




SECTION VIEW

NOTES

1. ALL MATERIAL AND WORK DONE TO COMPLETE DRIVEWAY IS TO BE PAID FOR UNDER TURNOUT CONSTRUCTION EXCEPT ASPHALT.

2" TYPE SP-9.5 (TL-B)

2
C-6 PAVED CONNECTION TO EX. PAVED ROADS
SCALE: N.T.S.

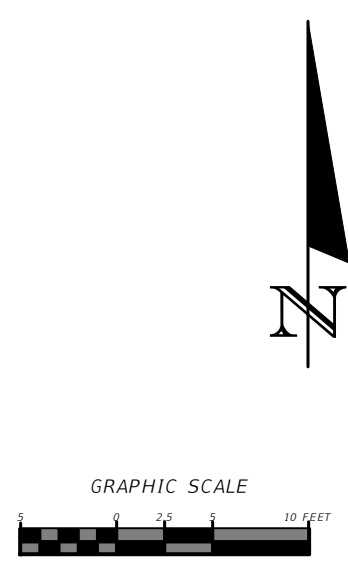
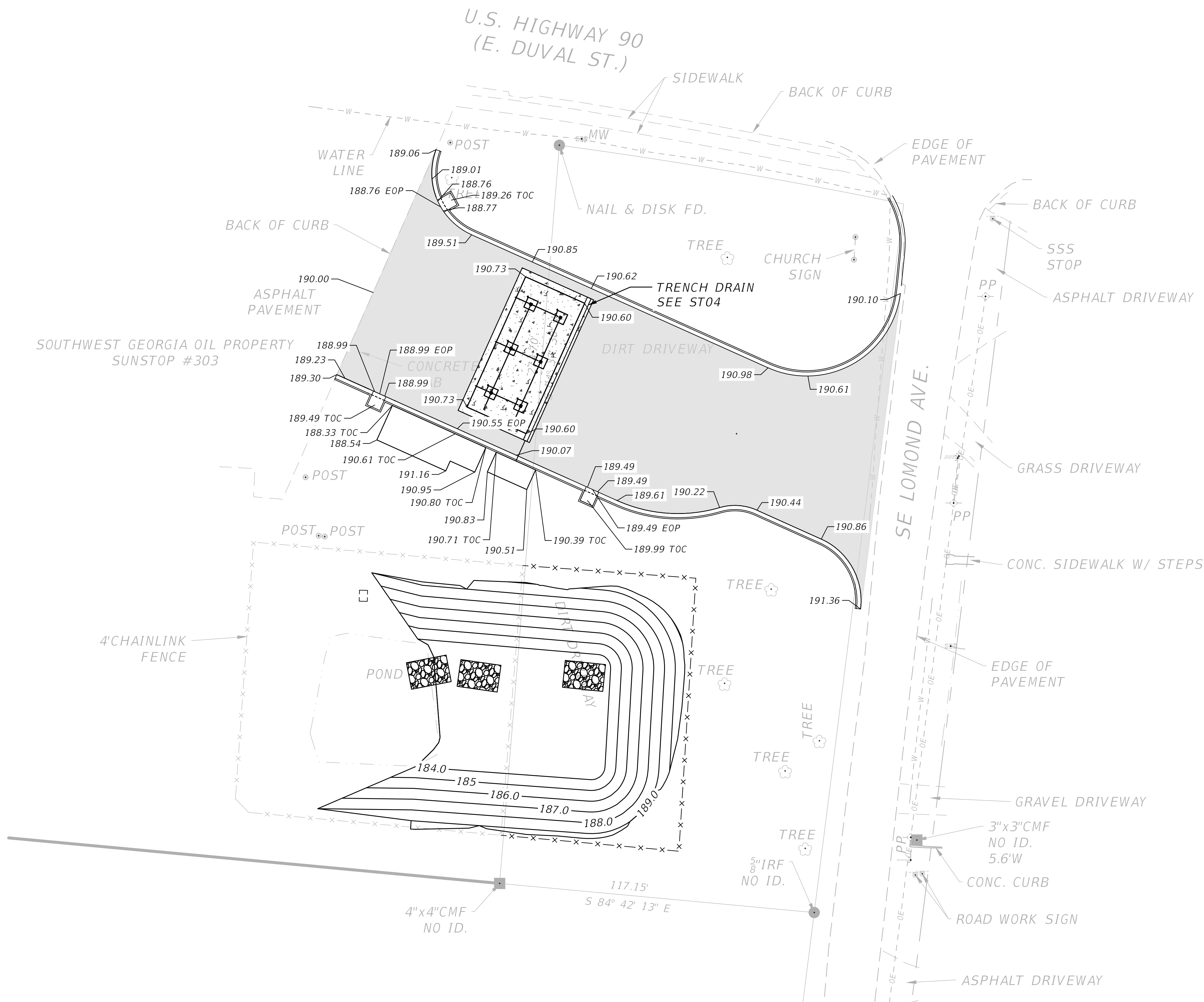
REVISIONS		 NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 3823 LAKE CITY, FL 32056 PH. 386-752-4675 LIC NO. LB8356 2551 BLAIRSTONE PINES DR. TALLAHASSEE, FL 32301 WWW.NFPS.NET CA# 29011	JOB NUMBER: L210118SWG EOR: GREGORY G. BAILEY P.E. NO.: 43858	TURNOUT DETAILS STATION # 303 COLUMBIA COUNTY, FLORIDA	SHEET NO. C-6
DATE	DESCRIPTION				


Dalton Kurtz

1/25/2022 9:48:39 AM

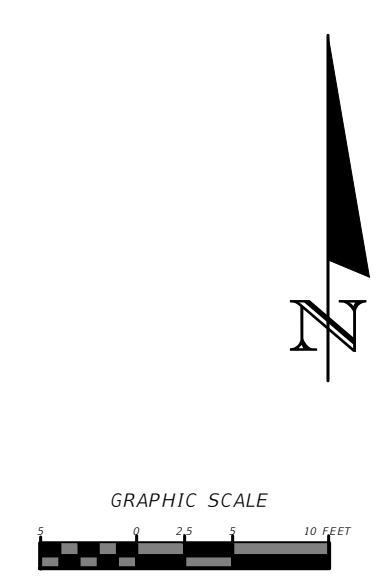
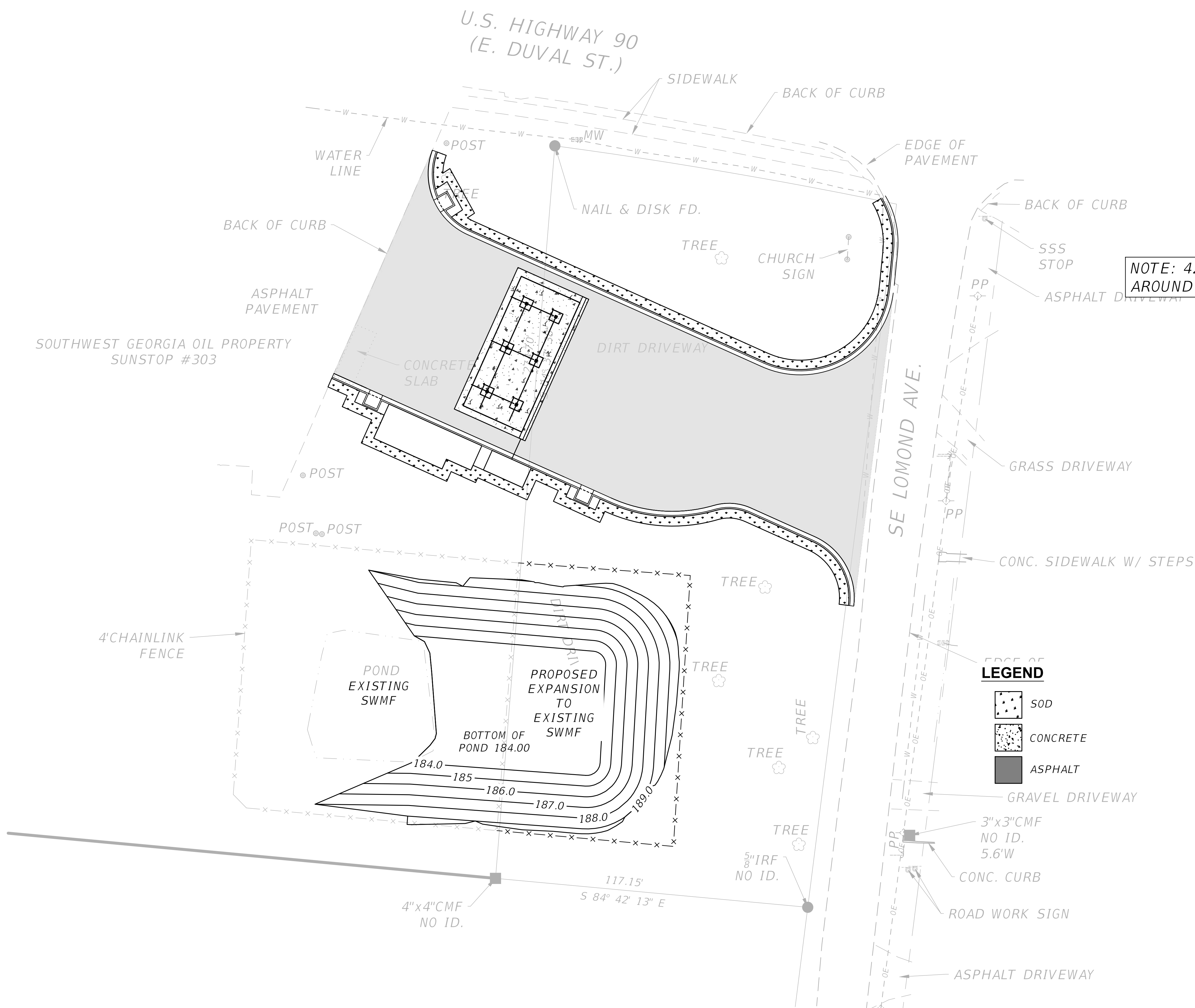
x:\2021\1210118swg\h.cadd\Roadway\KEYSRD01.dwg

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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: L210118SWG EOR: GREGORY G. BAILEY P.E. NO.: 43858	GRADING PLAN STATION # 303 COLUMBIA COUNTY, FLORIDA		SHEET NO. C-8
DATE	DESCRIPTION							

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.




NOTE: 42" SOD TO BE INSTALLED AROUND INDICATED PERIMETER.

LEGEND

- SOD
- CONCRETE
- ASPHALT

REVISIONS	
DATE	DESCRIPTION



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

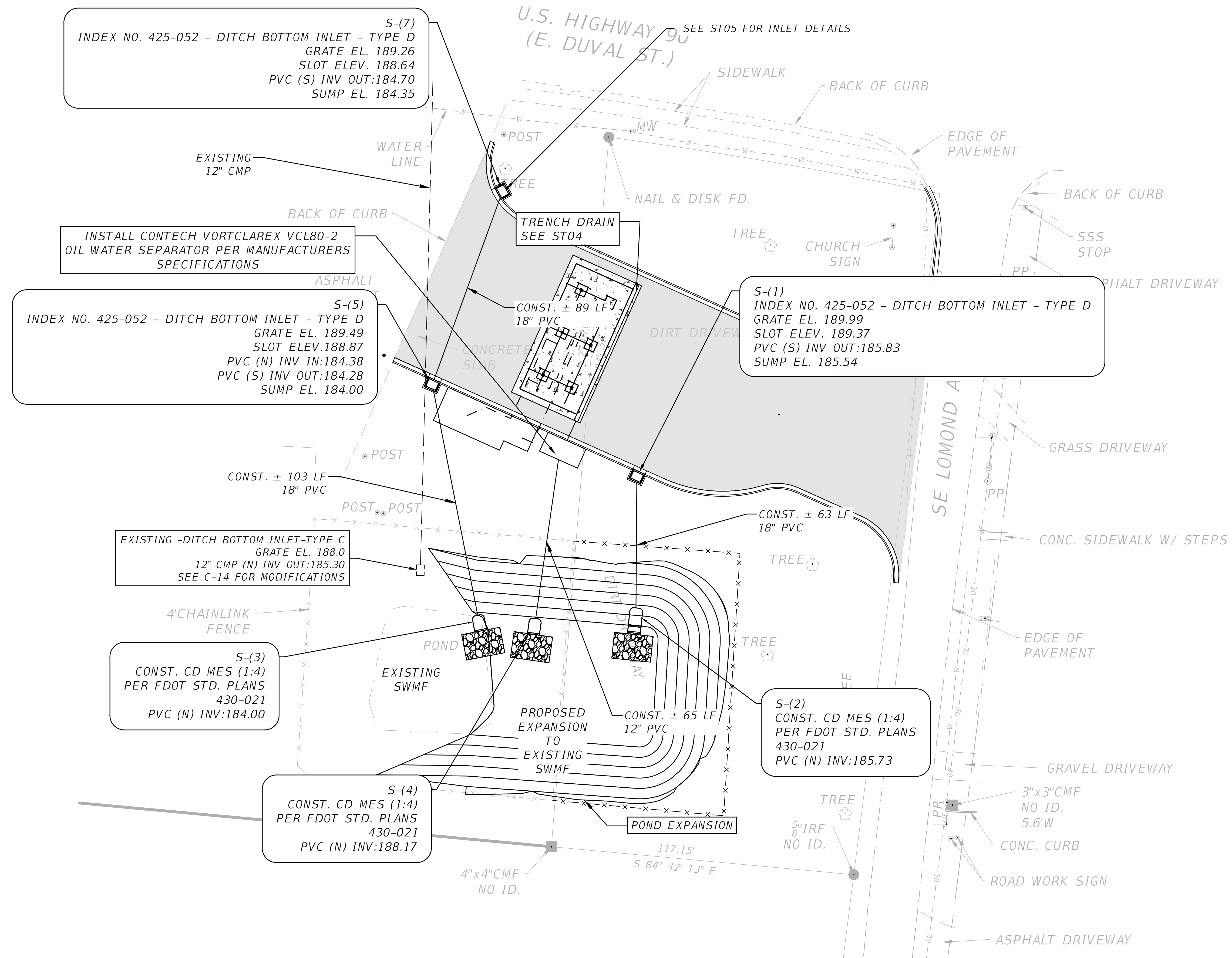
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011

JOB NUMBER:
L210118SWG
EOR:
GREGORY G. BAILEY
P.E. NO.:
43858

LANDSCAPE PLAN
STATION # 303
COLUMBIA COUNTY, FLORIDA

SHEET NO.
C-9

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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:
L210118SWG
EOR:
GREGORY G. BAILEY
P.E. NO.:
43858

STORMWATER PLAN
STATION # 303
COLUMBIA COUNTY, FLORIDA

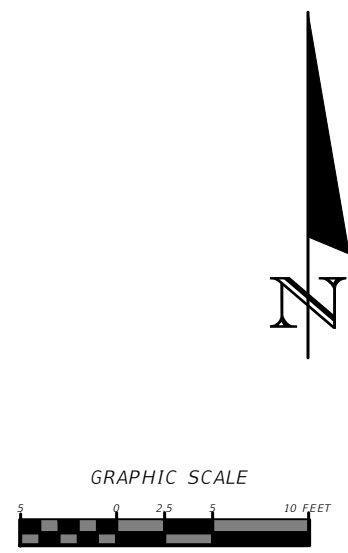
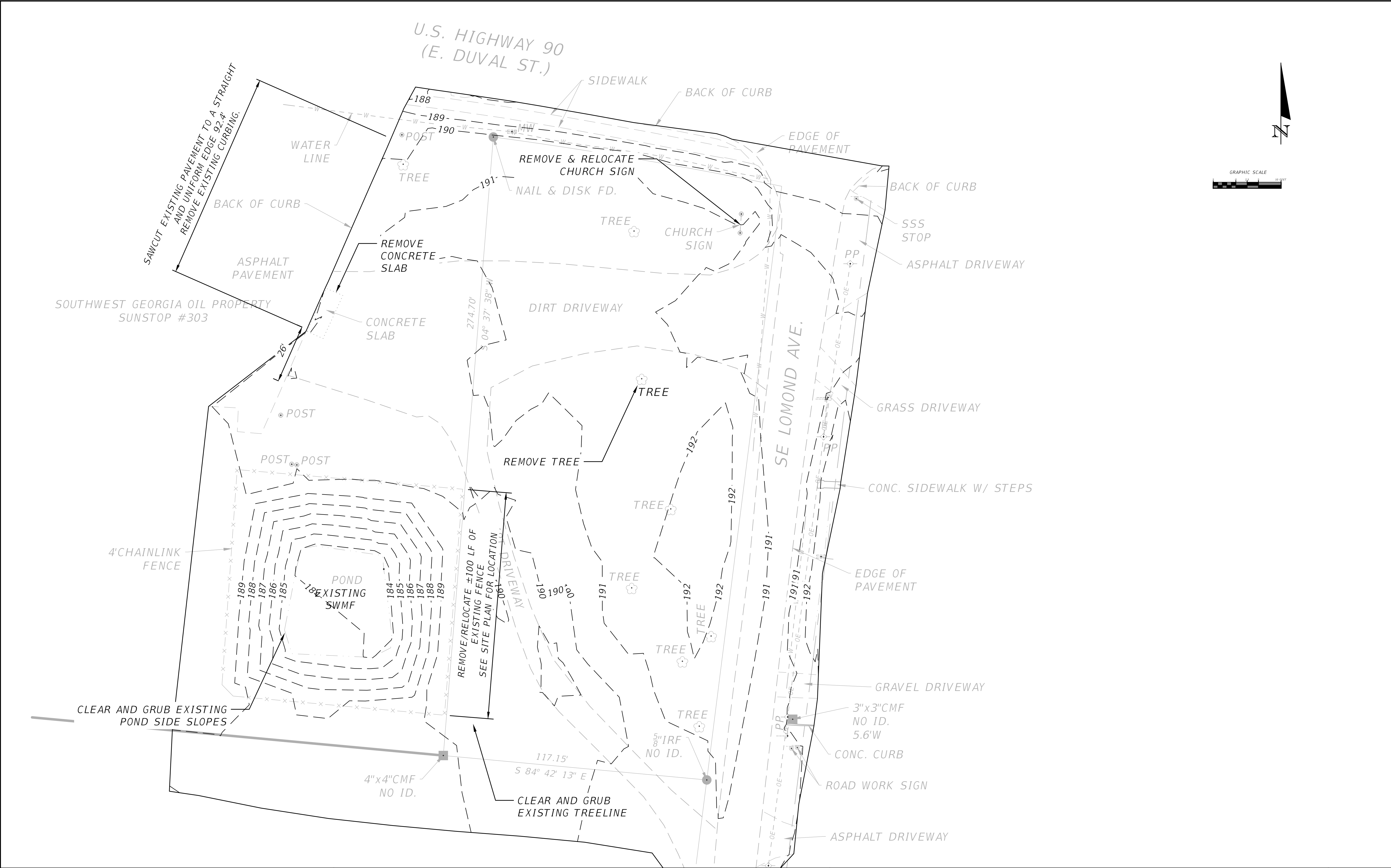
SHEET
NO.
C-10

Dalton Kurtz

1/25/2022 2:56:17 PM

x:\2021\1210118swg\h.cadd\Roadway\PLANRD01.dwg

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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:
L210118SWG
EOR:
GREGORY G. BAILEY
P.E. NO.:
43858

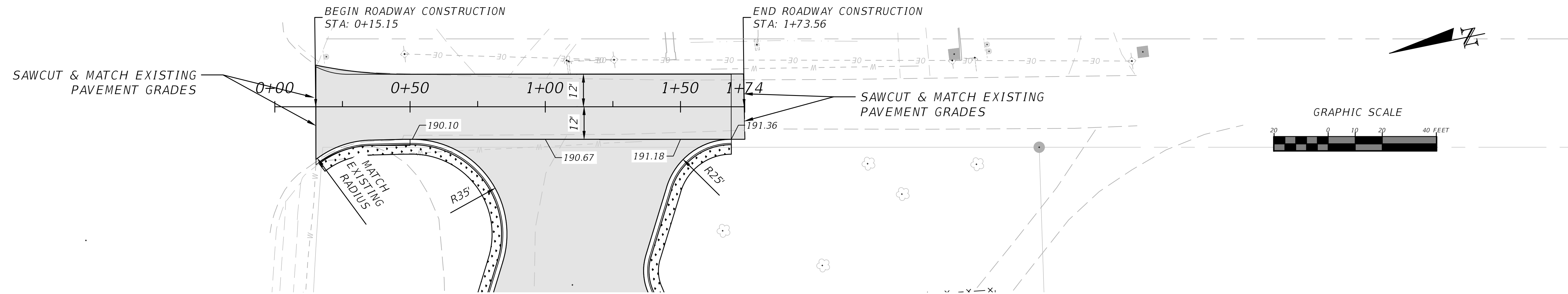
DEMOLITION PLAN
STATION # 303
COLUMBIA COUNTY, FLORIDA

SHEET
NO.

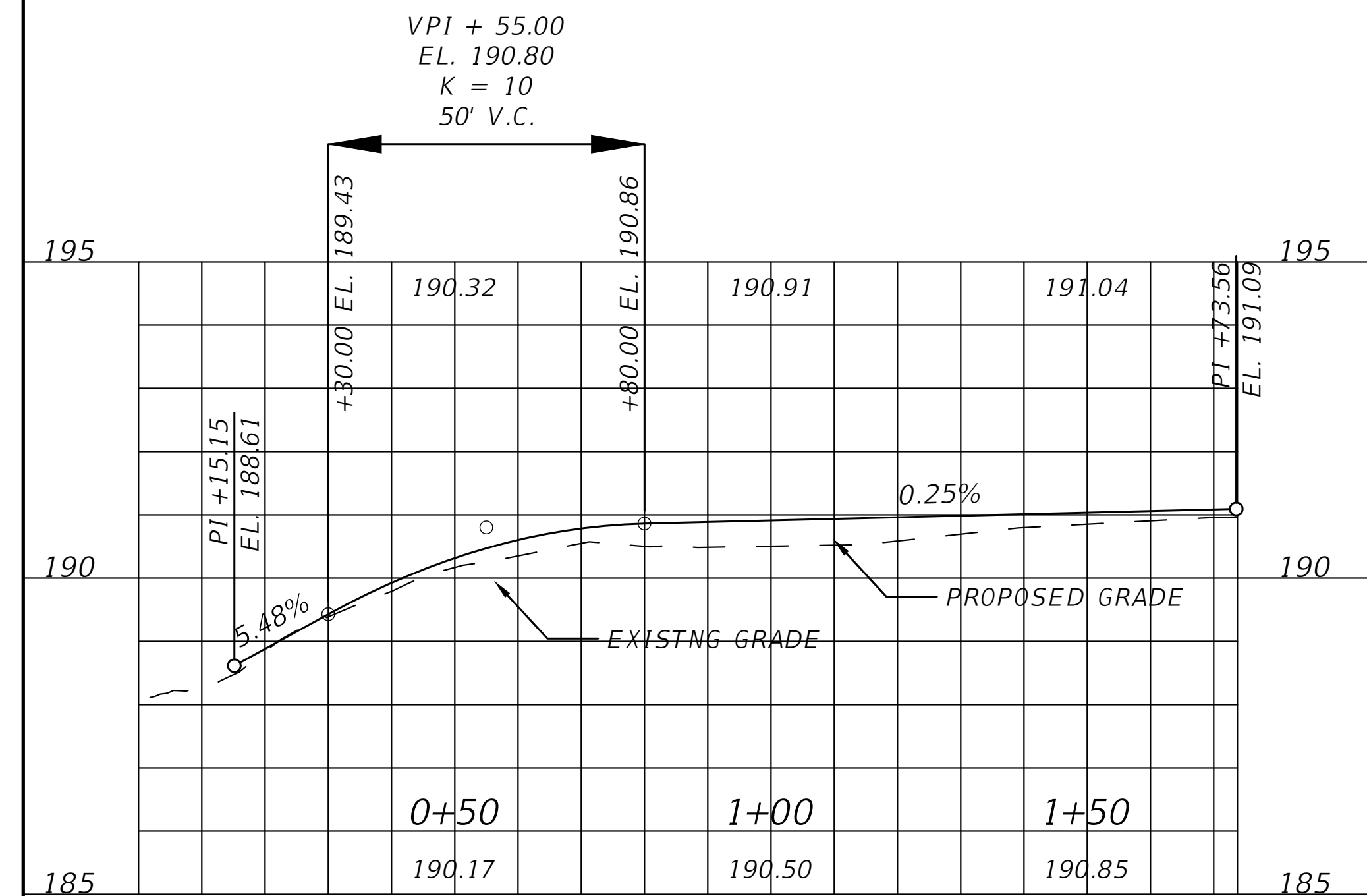
C-11

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

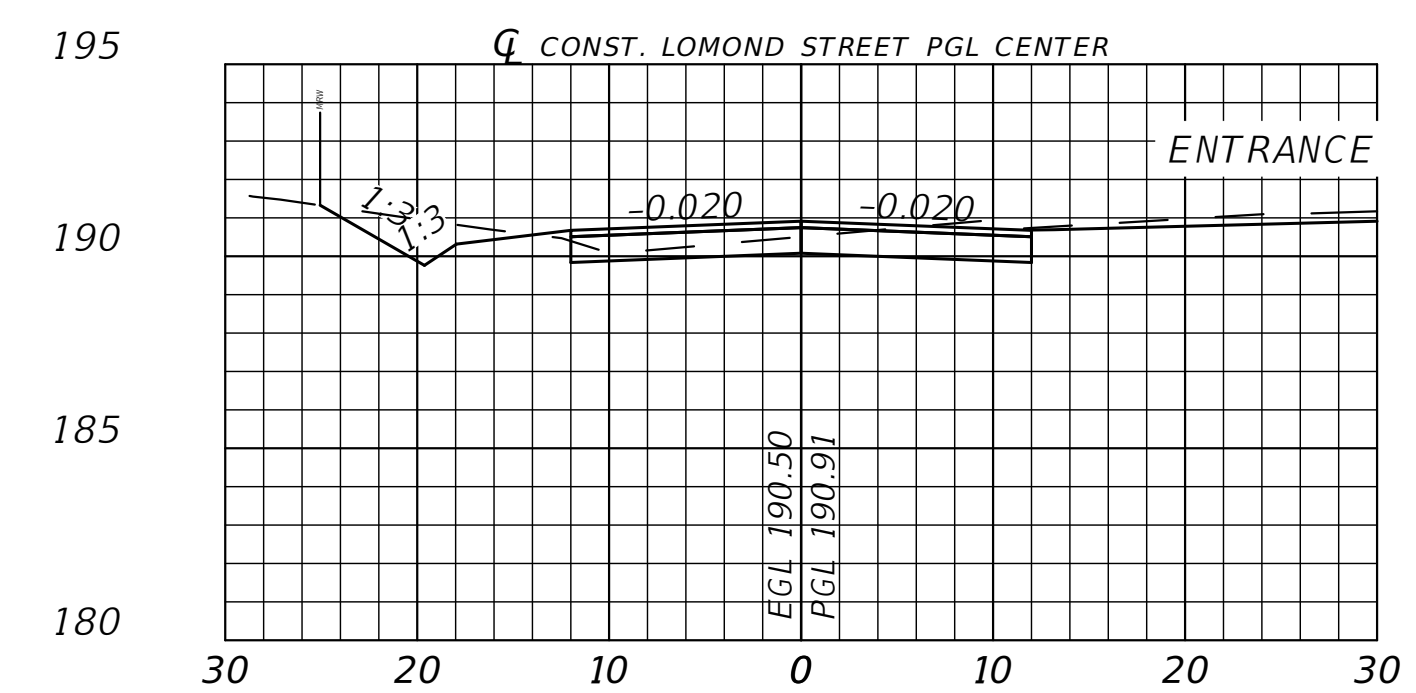
NOTE: STATIONING TO
BEGIN AT US 90 EOP.



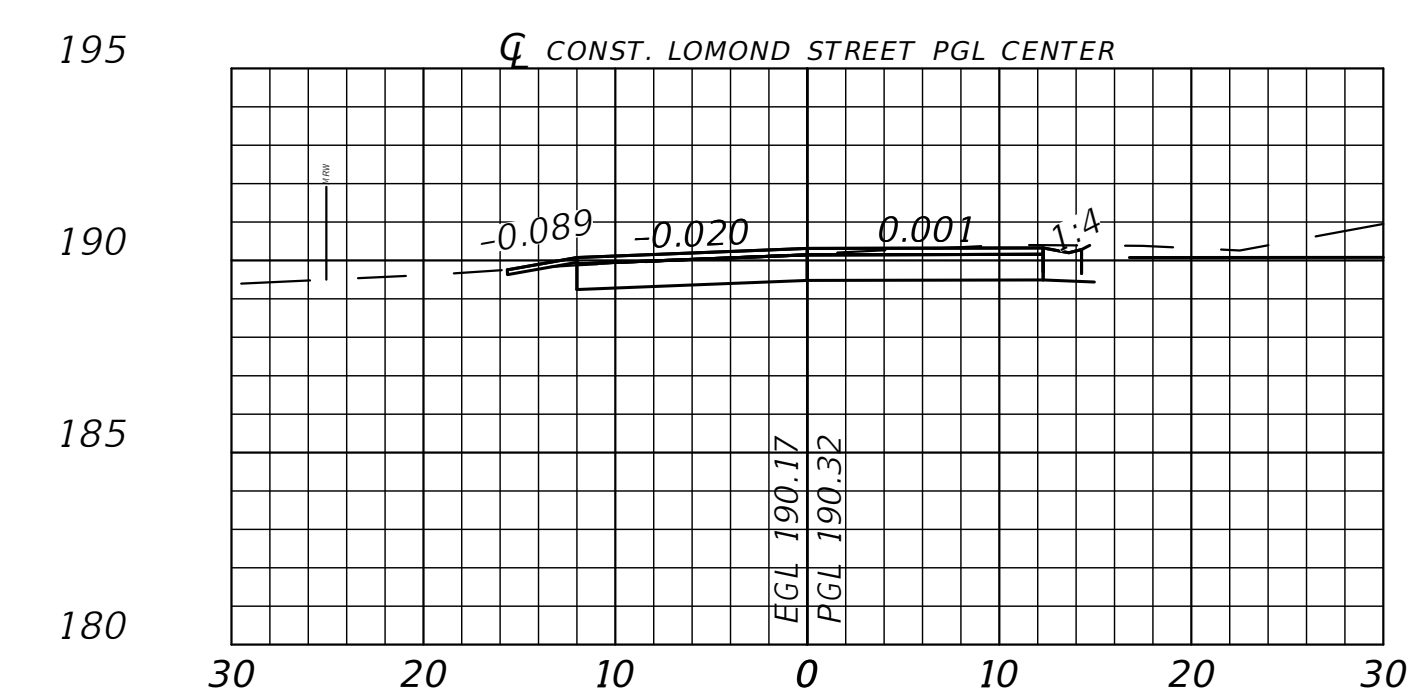
PLAN SHEET



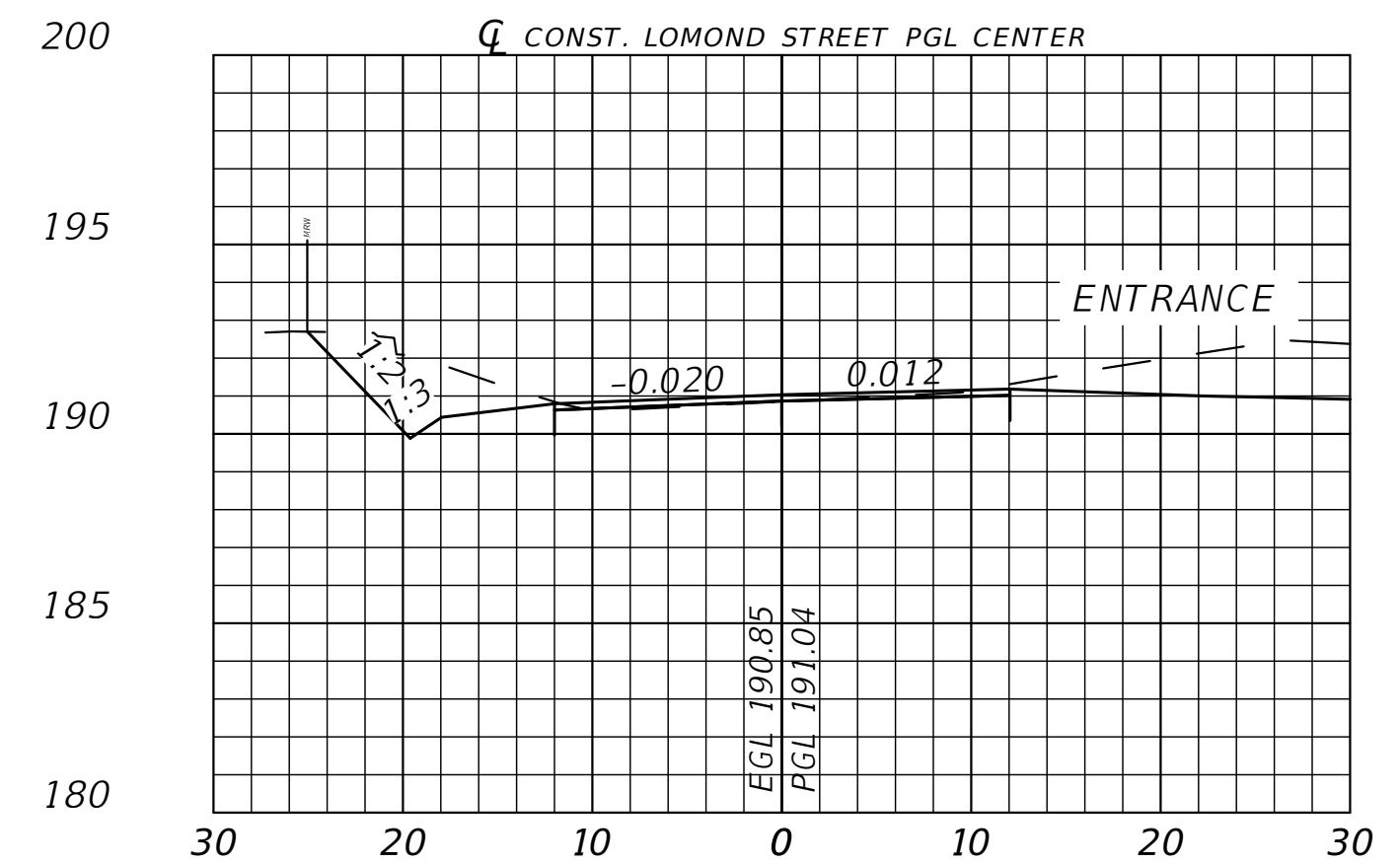
PROFILE SHEET



1+00.00




0+50.00



1+50.00

CROSS SECTIONS

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

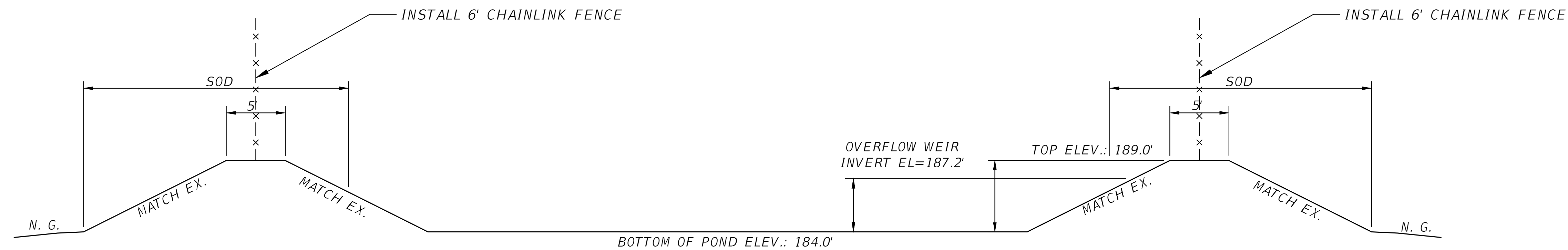
JOB NUMBER:
L210118SWG
EOR:
GREGORY G. BAILEY
P.E. NO.:
43858

ROADWAY PLAN, PROFILE & CROSS SECTIONS
STATION # 303
COLUMBIA COUNTY, FLORIDA

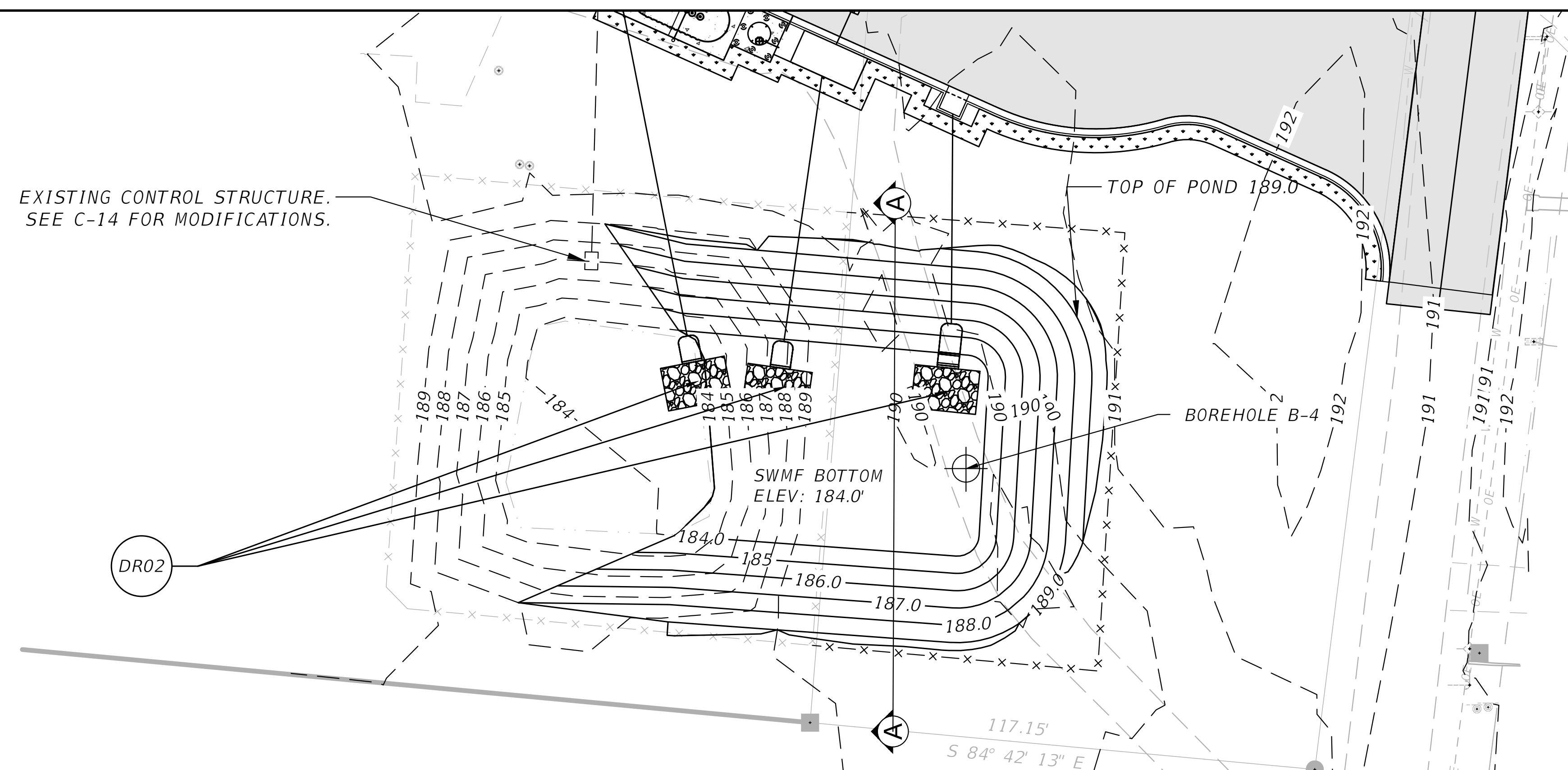
SHEET
NO.
C-12

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

CRITICAL EVENT: 100 YR - 72 HR
MAX STAGE: 186.15 NAVD



SECTION A-A EXISTING SWMF DETAIL



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:
L210118SWG
EOR:
GREGORY G. BAILEY
P.E. NO.:
43858

SWMF
STATION # 303
COLUMBIA COUNTY, FLORIDA

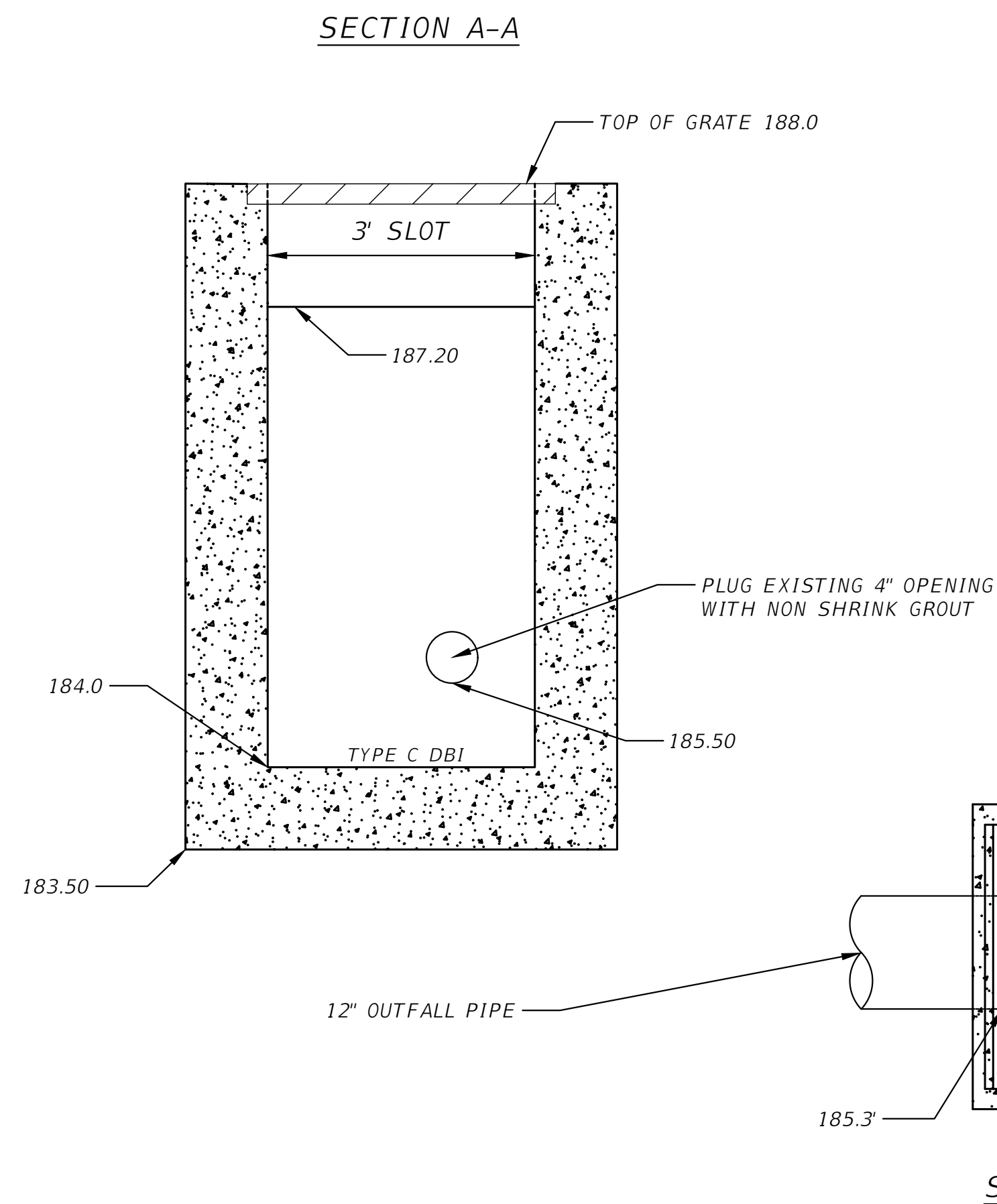
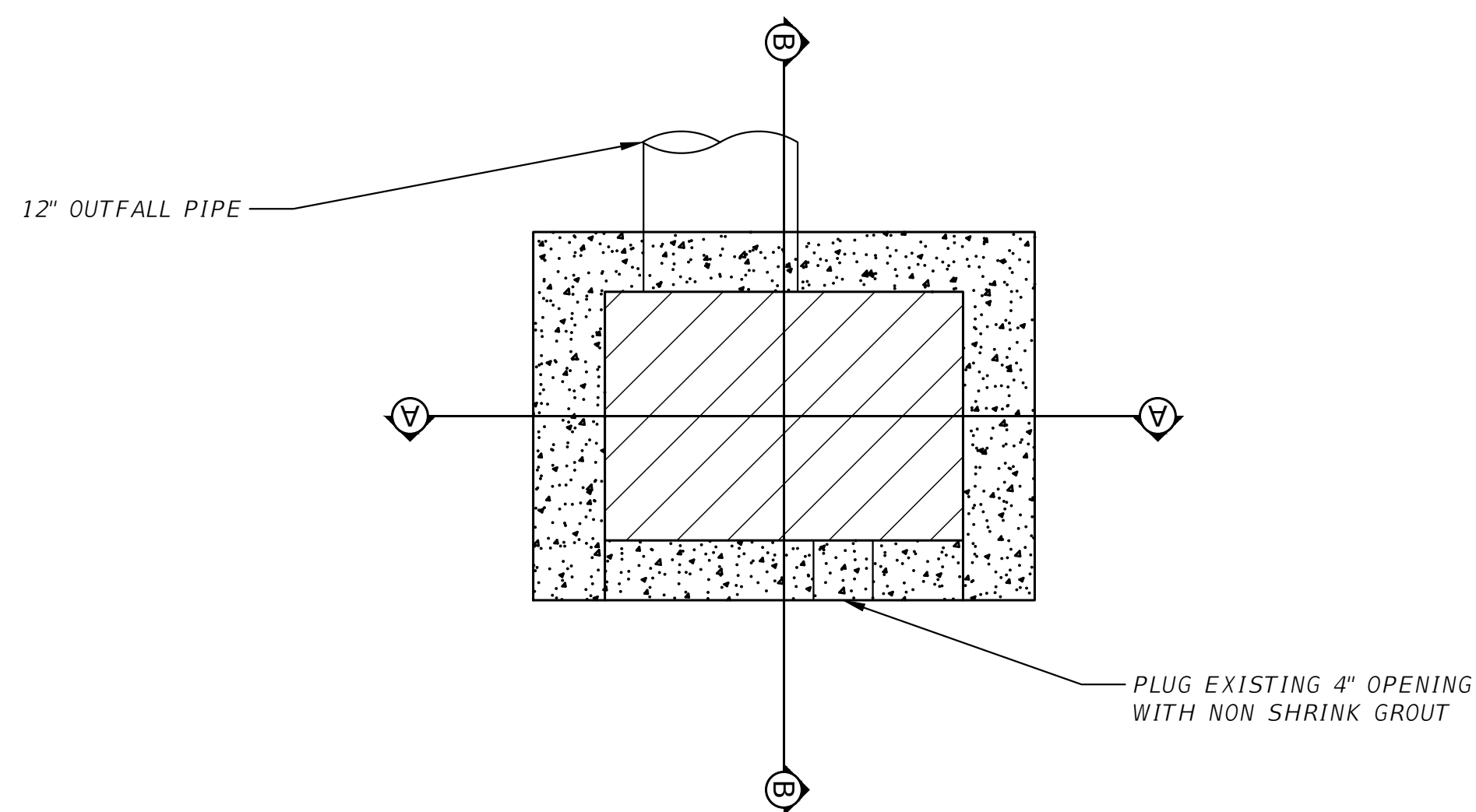
SHEET
NO.
C-13

Dalton Kurtz

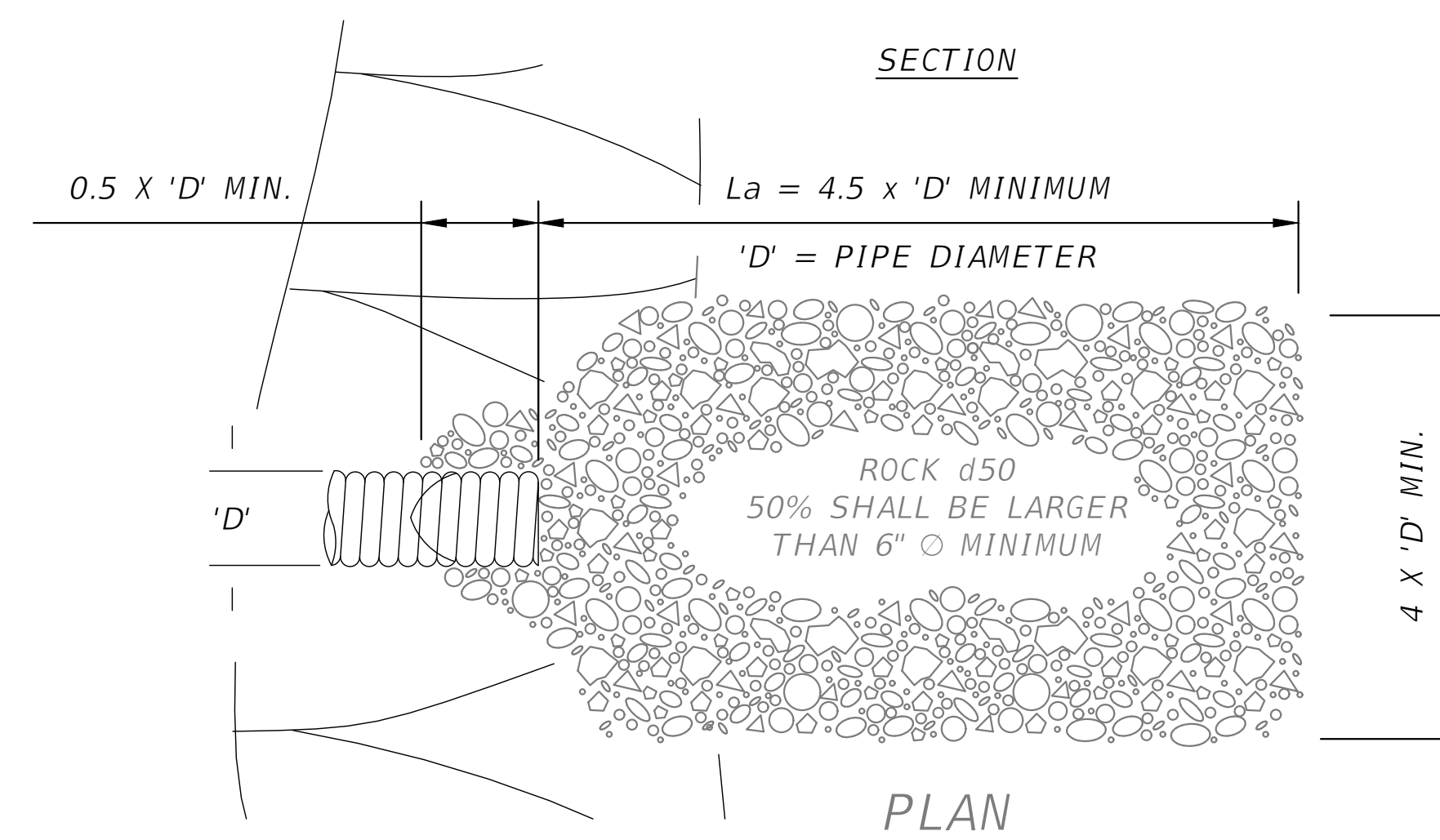
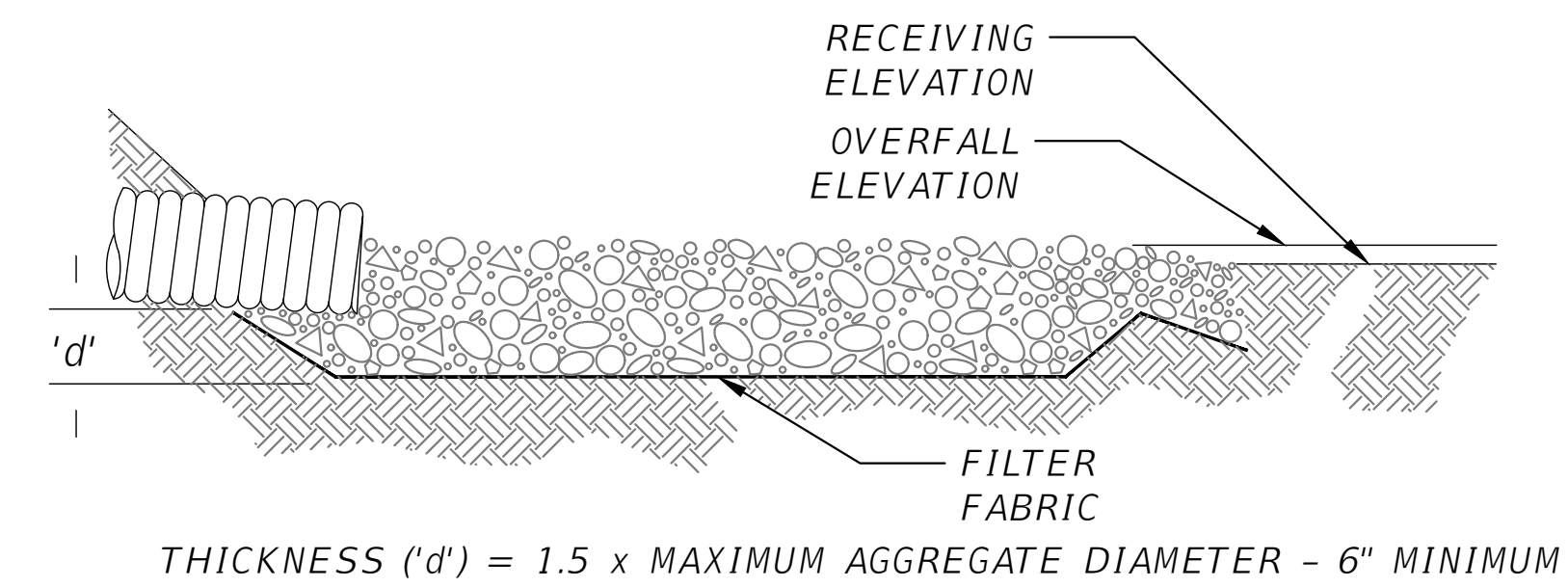
1/25/2022 2:56:19 PM

x:\2021\1210118swg\h.cadd\Roadway\PLANRD01.dwg

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



DR01 EXISTING CONTROL STRUCTURE SWMF #1
NOT TO SCALE



NOTES:

1. 'La' = LENGTH OF APRON. DISTANCE 'La' SHALL BE OF SUFFICIENT LENGTH TO DISSIPATE ENERGY.
2. APRON SHALL BE AT A ZERO GRADE AND ALIGNED STRAIGHT.
3. FILTER FABRIC SHALL EXTEND 6" PAST AGGREGATE LIMITS

DR02 ENERGY DISSIPATOR DETAIL
NOT TO SCALE

REVISIONS	
DATE	DESCRIPTION



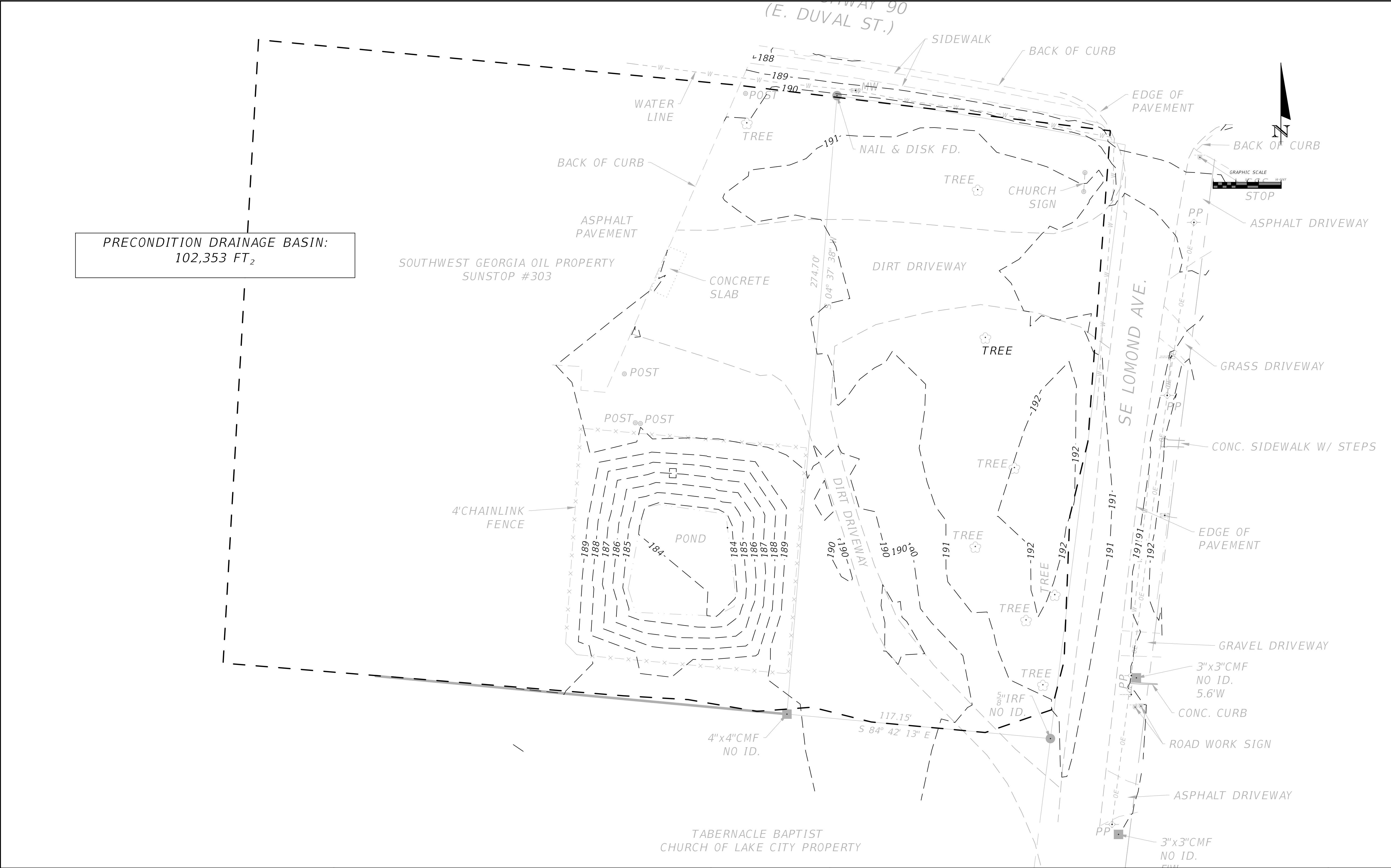
NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823
LAKE CITY, FL 32056
PH. 386-752-4675
LIC NO. LB8356

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

JOB NUMBER:
L210118SWG
EOR:
GREGORY G. BAILEY
P.E. NO.:
43858

SWMF DETAILS
STATION # 303
COLUMBIA COUNTY, FLORIDA

SHEET
NO.
C-14



PRECONDITION DRAINAGE BASIN:
102,353 FT₂

REVISIONS	
DATE	DESCRIPTION



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

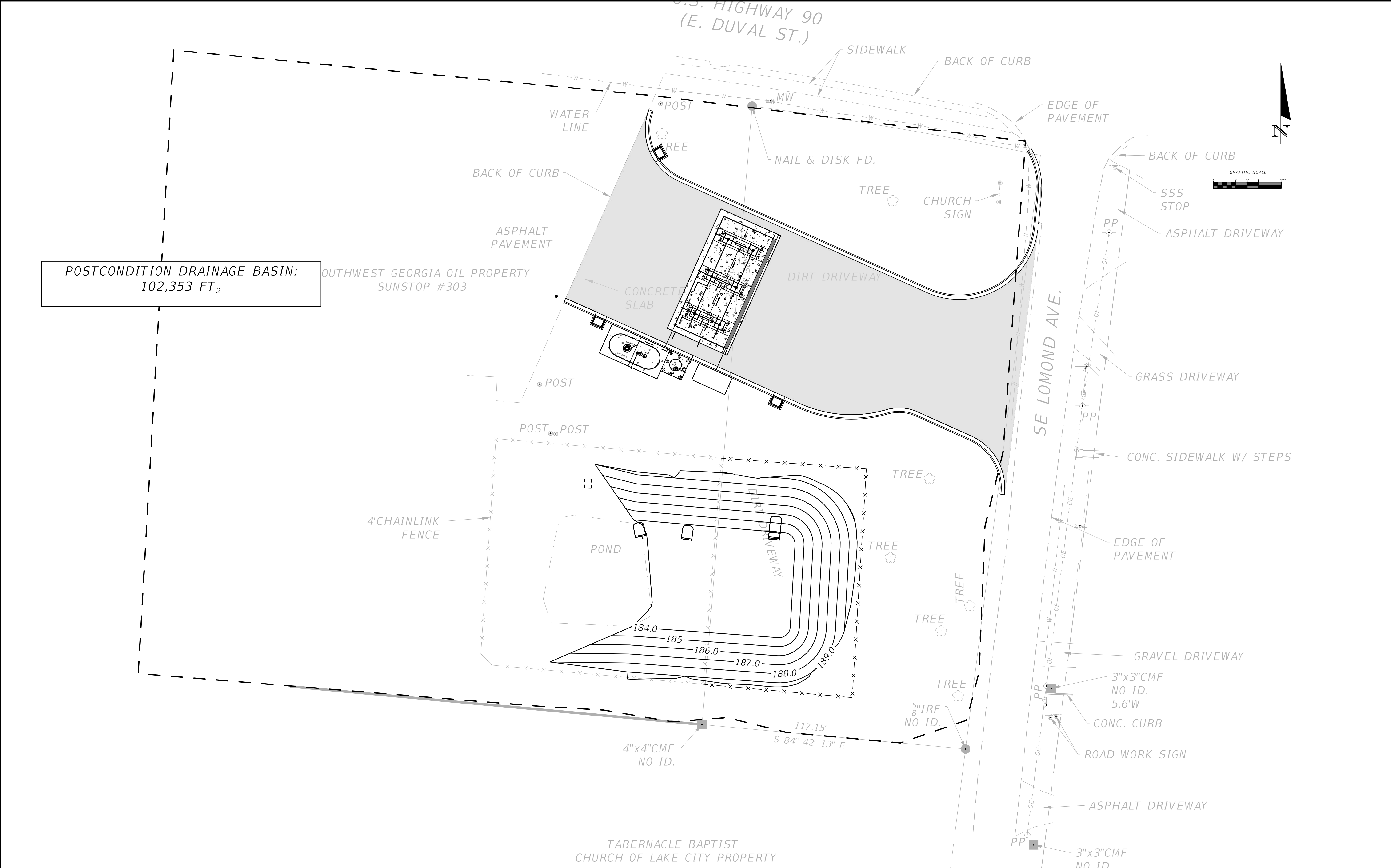
2551 BLAIRSTONE PINES DR.
TALLAHASSEE, FL 32301
WWW.NFPS.NET
CA# 29011


JOB NUMBER:
L210118SWG
EOR:
GREGORY G. BAILEY
P.E. NO.:
43858

PRE CONDITION DRAINAGE BASIN
STATION # 303
COLUMBIA COUNTY, FLORIDA

SHEET
NO.
C-15

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.




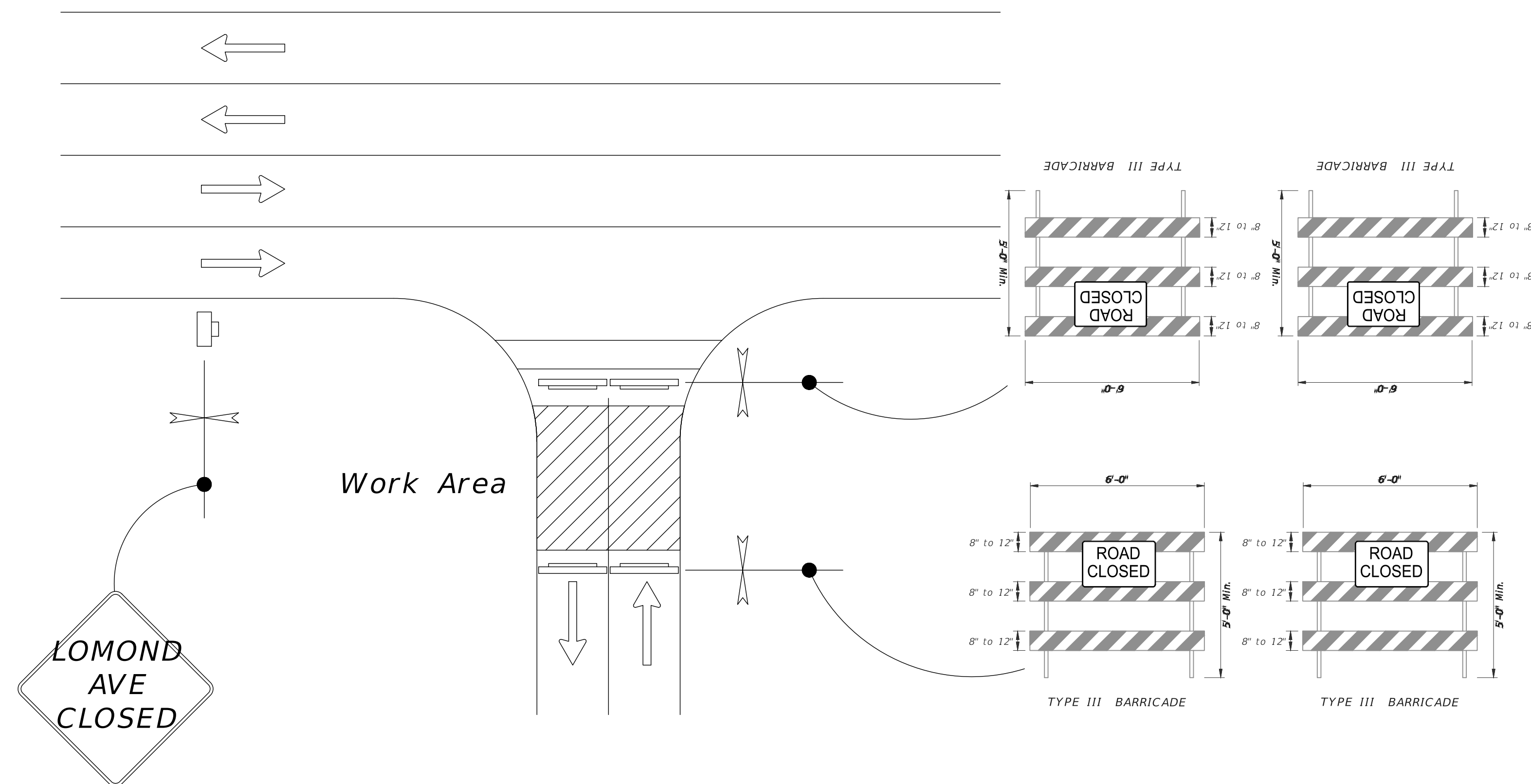
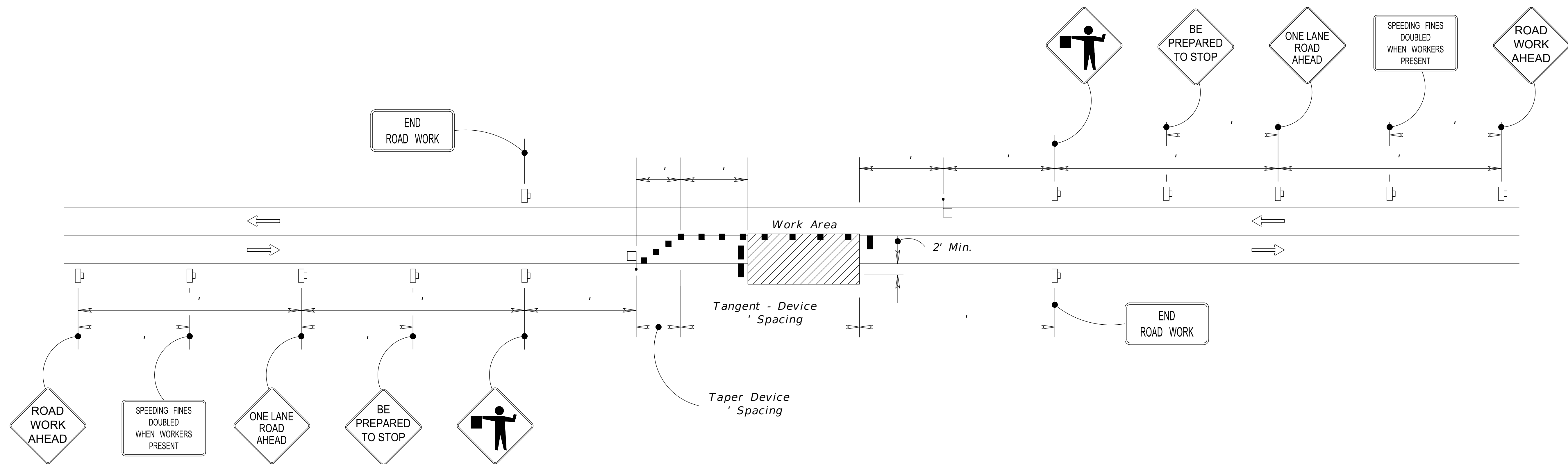
REVISIONS			NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 3823 LAKE CITY, FL 32056 PH. 386-752-4675 LIC NO. LB8356	2551 BLAIRSTONE PINES DR. TALLAHASSEE, FL 32301 WWW.NFPS.NET CA# 29011	JOB NUMBER: L210118SWG EOR: GREGORY G. BAILEY P.E. NO.: 43858	POST CONDITION DRAINAGE BASIN STATION # 303 COLUMBIA COUNTY, FLORIDA		SHEET NO. C-16
DATE	DESCRIPTION							


THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

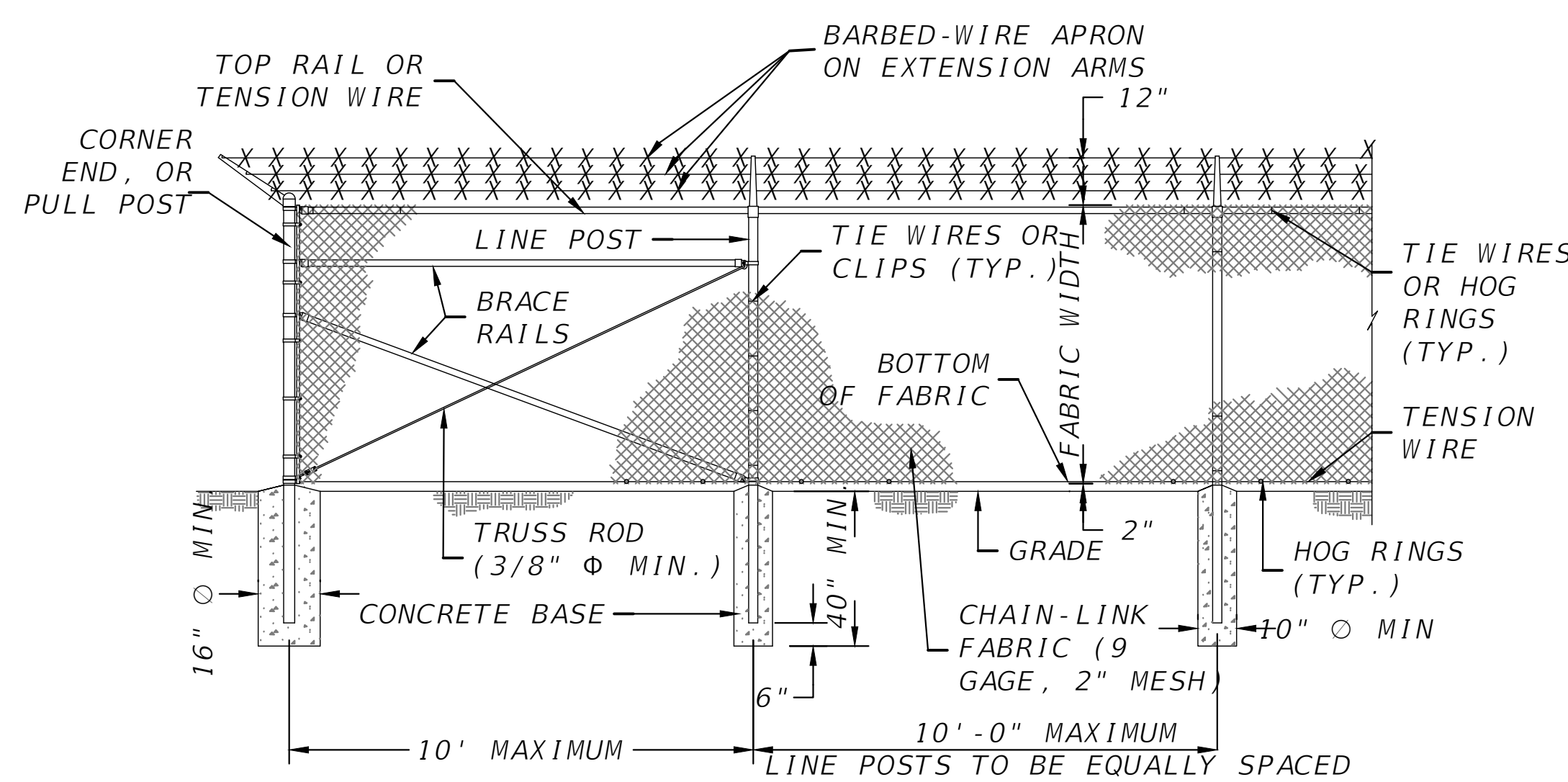
EROSION CONTROL NOTES

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 LAKE CITY, SRWMD, AOND 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. IF STORAGE/STAGING AREAS ARE TO BE RELOCATED, SILT FENCE ENCLOSURE MUST BE CONSTRUCTED AROUND NEW STAGING AREA.
7. SEDIMENT AND EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE AND UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED.
8. ALL OPEN DRAINAGE SWALES SHALL BE GRASSED AND RIPRAP SHALL BE PLACED AS REQUIRED TO CONTROL EROSION.
9. SILT FENCES SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT AND EROSION FROM LEAVING PROJECT LIMITS.
10. CONTRACTOR SHALL PLACE A DOUBLE ROW OF SILT FENCE IN AREAS WHERE RUNOFF FROM DISTURBED AREAS MAY ENTER WETLANDS.
11. DURING CONSTRUCTION AND AFTER CONSTRUCTION IS COMPLETE, ALL STRUCTURES SHALL BE CLEANED OF ALL DEBRIS AND EXCESS SEDIMENT.
12. ALL GRADED AREAS SHALL BE STABILIZED IMMEDIATELY WITH A TEMPORARY FAST-GROWING COVER AND/OR MULCH.
13. 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.
14. ALL SIDE SLOPES STEEPER THAN 3:1 SHALL BE ADEQUATELY PROTECTED FROM EROSION THROUGH THE USE OF SYNTHETIC BALES OR SODDING.
15. 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.
16. ALL WASTE GENERATED ON THE PROJECT SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY CONTRACTOR.
17. LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPS.
18. EXCESS DIRT SHALL BE REMOVED DAILY.
19. THIS PROJECT SHALL COMPLY WITH ALL WATER QUALITY STANDARDS. PERMIT REQUIRED FROM SRWMD HAS BEEN OBTAINED.
20. 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.
21. SITES THAT HAVE BEEN FINALLY STABILIZED WITH SOD OR GRASSING SHALL BE INSPECTED AT LEAST ONCE EVERY WEEK.

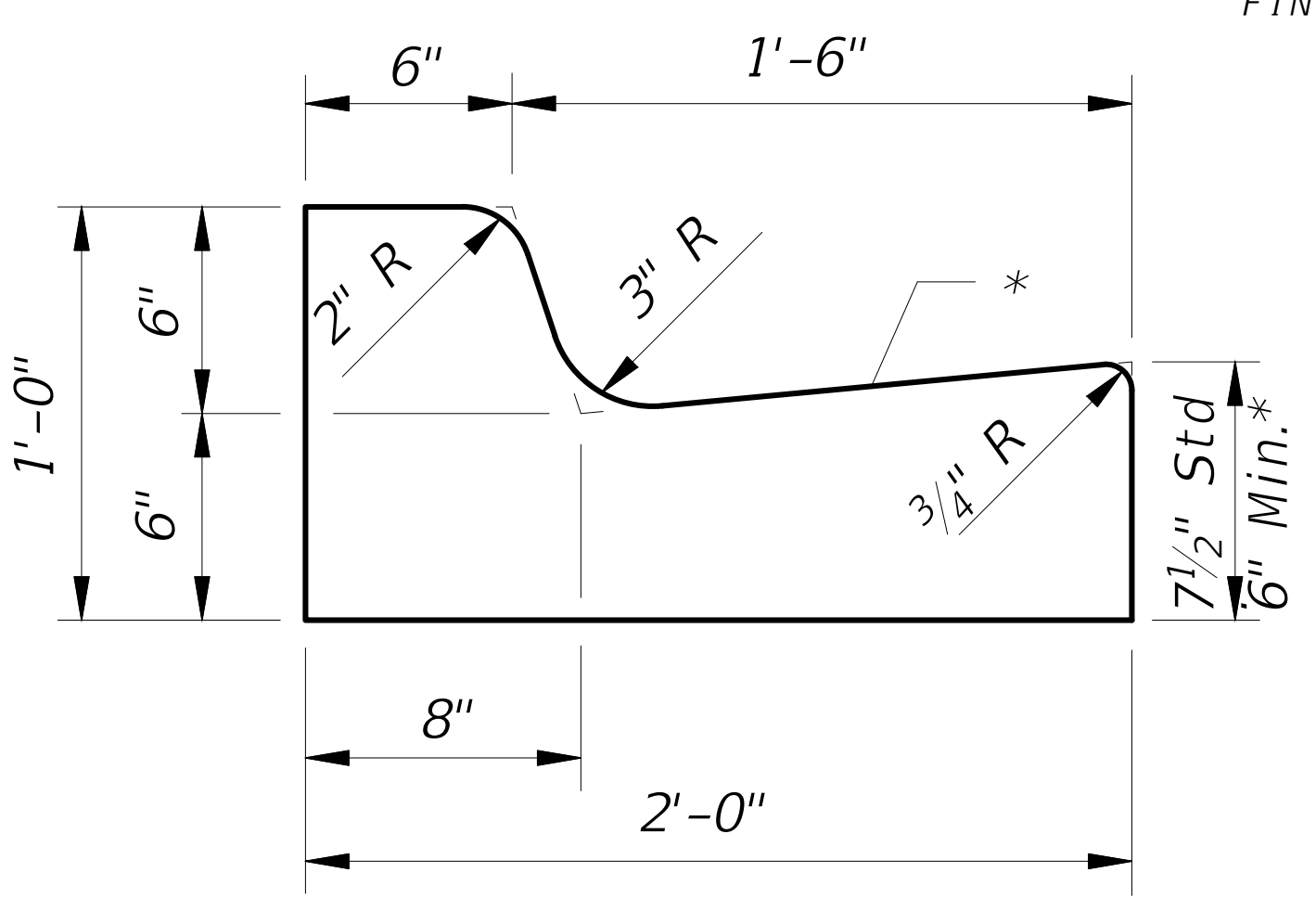
REVISIONS			NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 3823 LAKE CITY, FL 32056 PH. 386-752-4675 LIC NO. LB8356 2551 BLAIRSTONE PINES DR. TALLAHASSEE, FL 32301 WWW.NFPS.NET CA# 29011	JOB NUMBER: L210118SWG EOR: GREGORY G. BAILEY P.E. NO.: 43858	EROSION CONTROL NOTES STATION # 303 COLUMBIA COUNTY, FLORIDA	SHEET NO.
DATE	DESCRIPTION					
						C-18



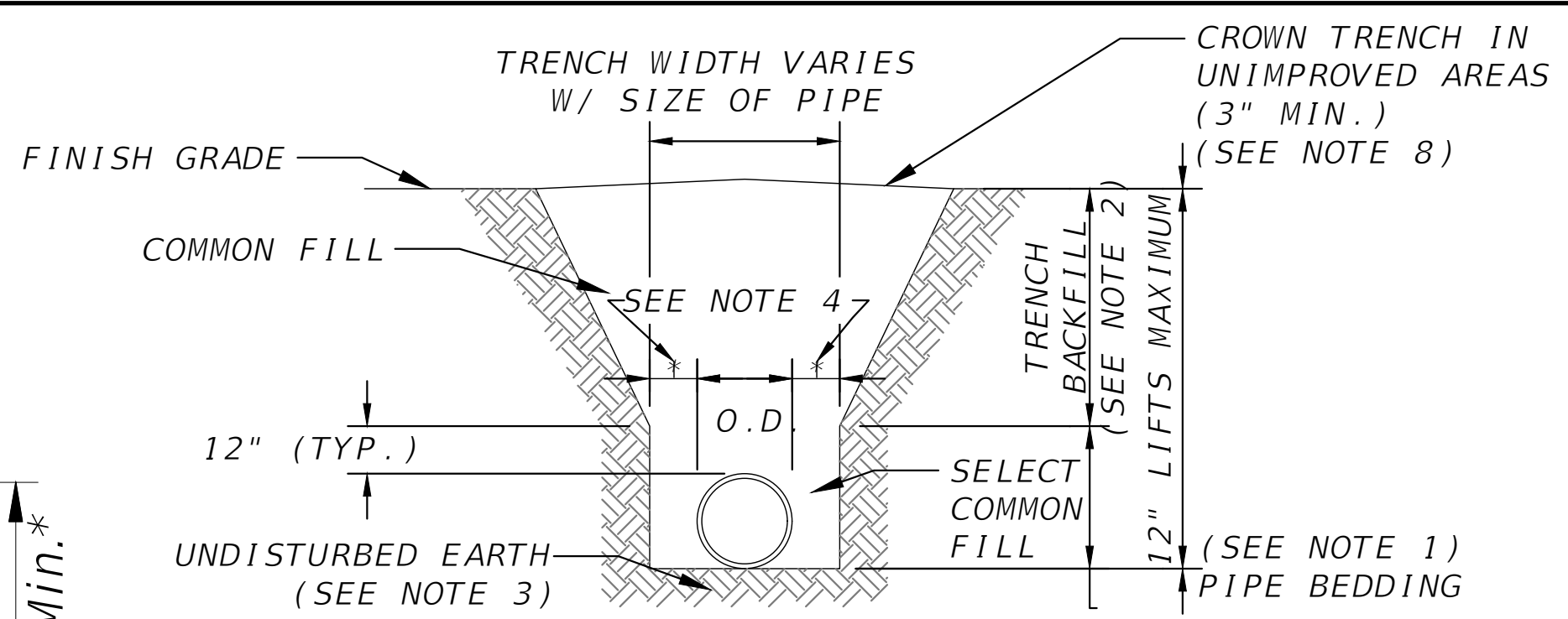
REVISIONS		 NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 3823 LAKE CITY, FL 32056 PH. 386-752-4675 LIC NO. LB8356 2551 BLAIRSTONE PINES DR. TALLAHASSEE, FL 32301 WWW.NFPS.NET CA# 29011	JOB NUMBER: L210118SWG EOR: GREGORY G. BAILEY P.E. NO.: 43858	TRAFFIC CONTROL PLAN STATION # 303 COLUMBIA COUNTY, FLORIDA	SHEET NO. C-19
DATE	DESCRIPTION				



MS13 **CHAIN LINK FENCE DETAIL**
SCALE: N.T.S

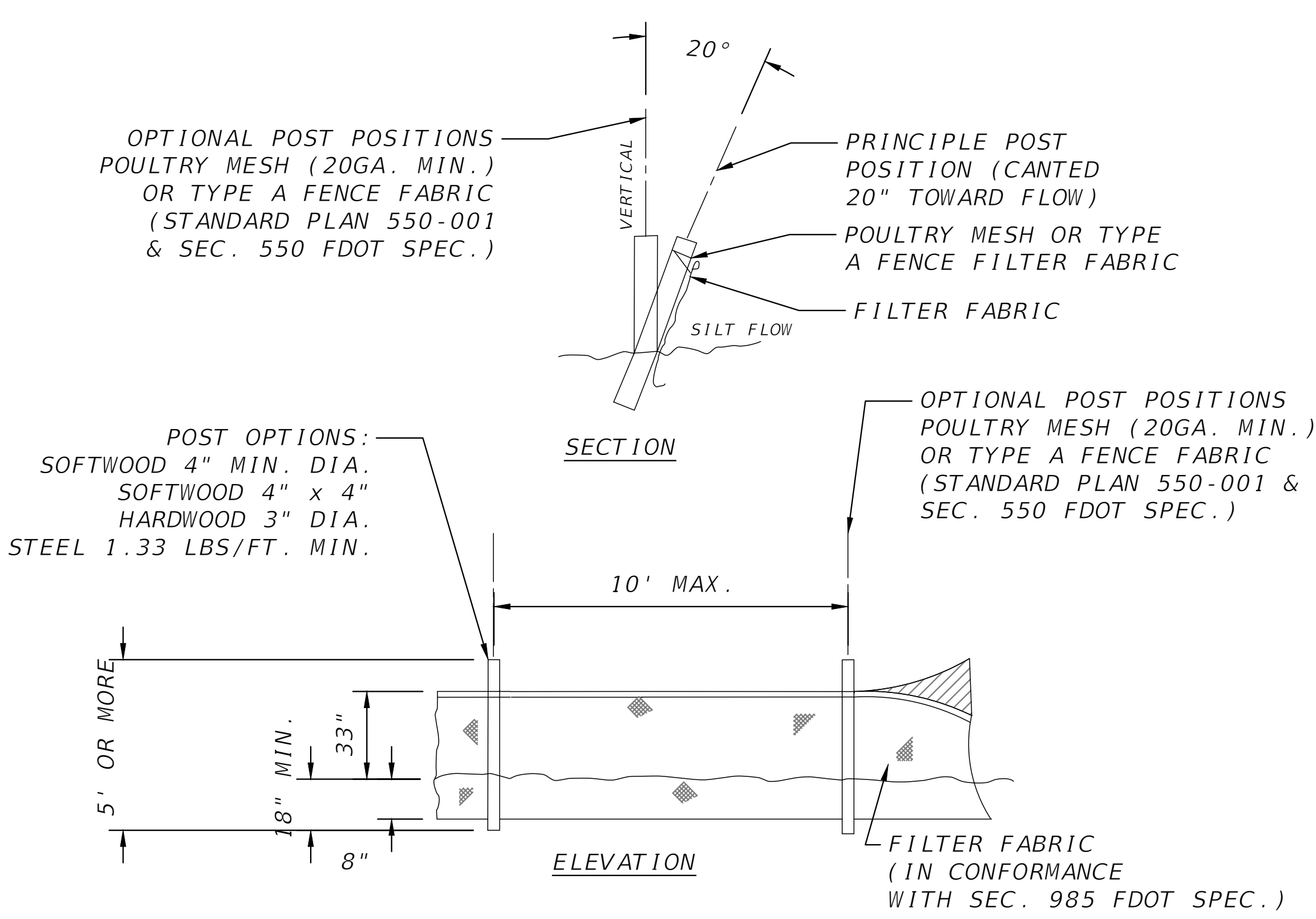


MS29 **TYPE F CURB DETAILS**
SCALE: N.T.S

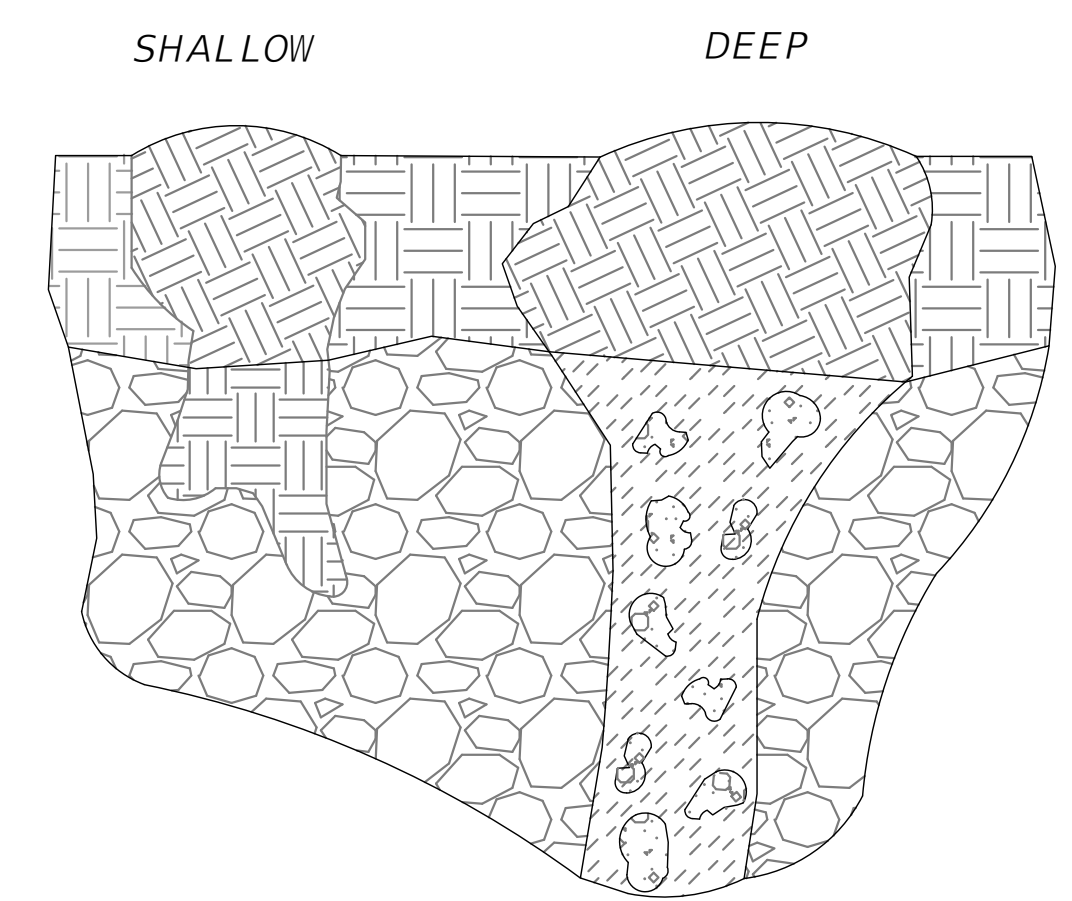


- NOTES:**
1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
 2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
 3. PIPE BEDDING UTILIZING SELECT COMMON FILL OR BEDDING ROCK WILL BE REQUIRED IFOVER-EXCAVATION OCCURS.
 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




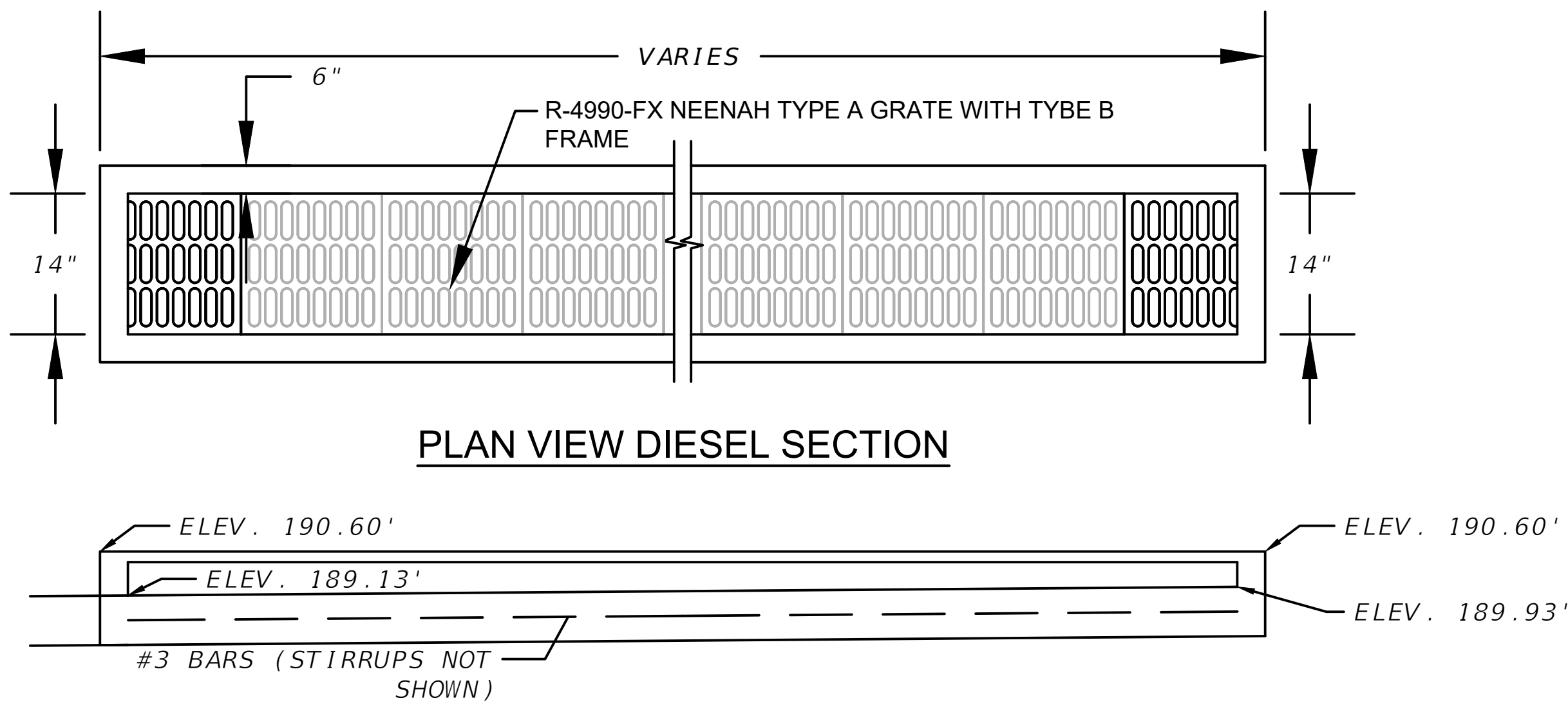
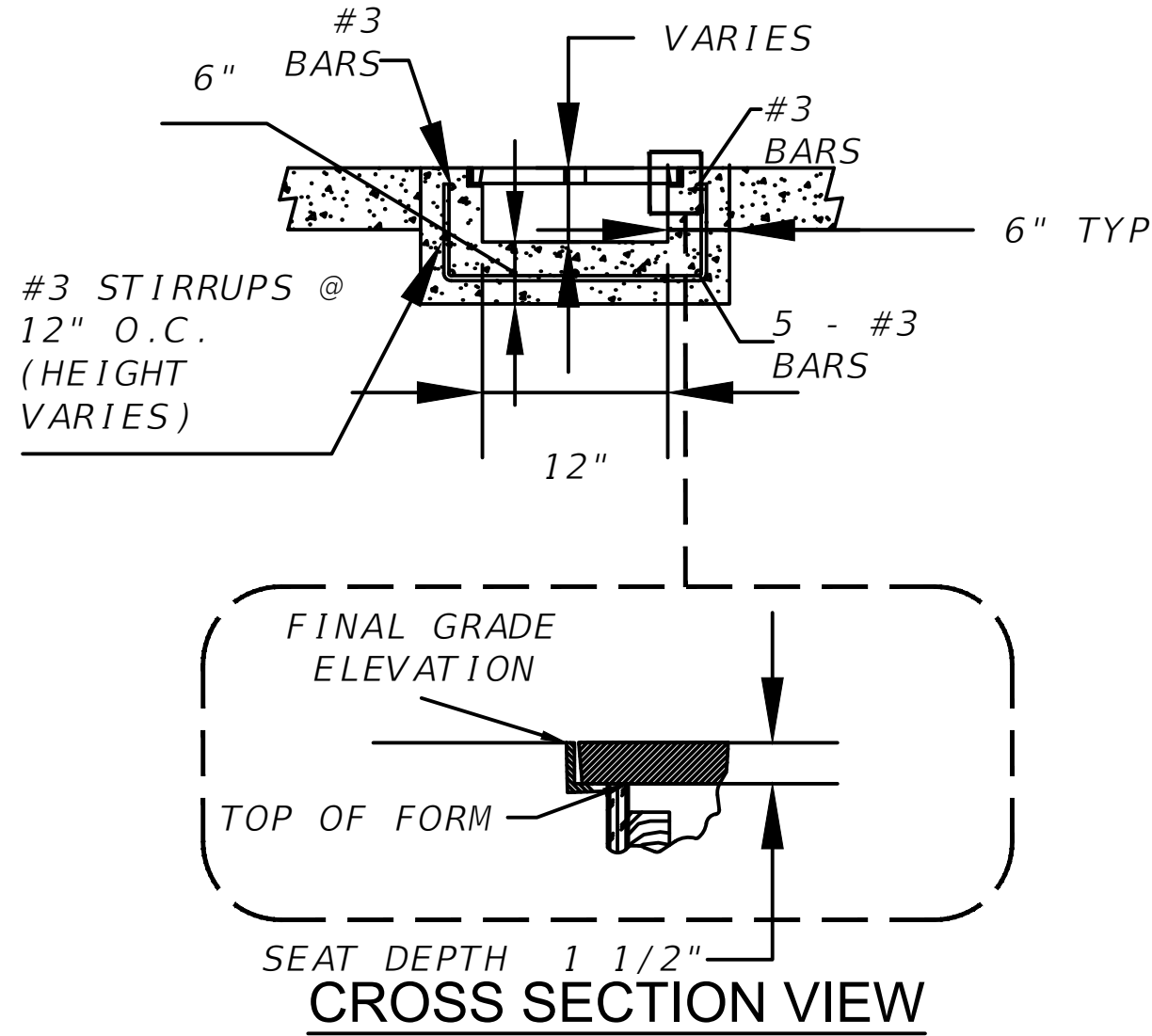
ER18 **TYPE IV SILT FENCE**
SCALE: N.T.S.



ER23 **KARST FEATURE REPAIR DETAIL**
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.

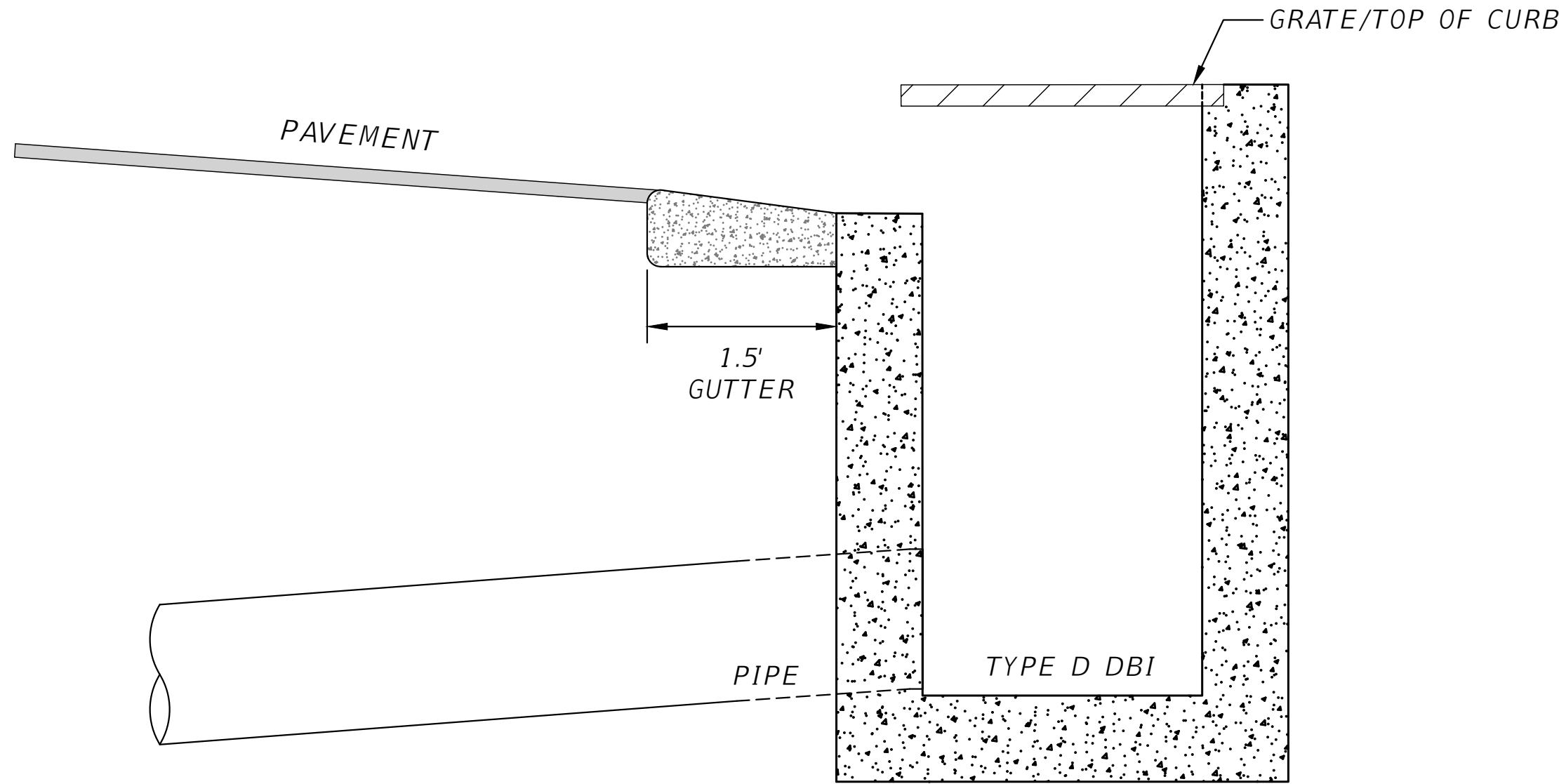
REVISIONS			NORTH FLORIDA PROFESSIONAL SERVICES, INC. P.O. BOX 3823 LAKE CITY, FL 32056 PH. 386-752-4675 LIC NO. LB8356	2551 BLAIRSTONE PINES DR. TALLAHASSEE, FL 32301 WWW.NFPS.NET CA# 29011	JOB NUMBER: L210118SWG EOR: GREGORY G. BAILEY P.E. NO.: 42035	DETAILS STATION # 303 COLUMBIA COUNTY, FLORIDA		SHEET NO. C-20
DATE	DESCRIPTION							



ST04 TRENCH DRAIN DETAIL
SCALE: N.T.S

TRENCH DRAIN NOTES:

1. CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF ACI 318.
2. UNLESS NOTED OTHERWISE, THE CONCRETE SHALL BE NORMAL WEIGHT AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI.
3. NOMINAL MAXIMUM SIZE OF COARSE AGGREGATE SHALL NOT BE LARGER THAN 1/5 THE NARROWEST DIMENSION BETWEEN SIDES OF FORMS, 1/3 THE DEPTH OF SLABS, NOR 3/4 THE MINIMUM CLEAR SPACING BETWEEN INDIVIDUAL REINFORCING BARS OR WIRES.
4. THE MATERIALS AND MIX DESIGN SHALL BE FULLY DOCUMENTED AND REVIEWED BY THE OWNERS TESTING LABORATORY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR OBTAINING THE REQUIRED DESIGN STRENGTH.
5. CALCIUM CHLORIDE, CHLORIDE IONS, OR OTHER SALTS ARE NOT PERMITTED TO BE USED IN CONCRETE.
6. CONCRETE (OTHER THAN HIGH-EARLY-STRENGTH) SHALL BE MAINTAINED ABOVE 50°F (10°C) AND IN A MOIST CONDITION FOR AT LEAST THE FIRST 7 DAYS AFTER PLACEMENT, EXCEPT WHEN CURED IN ACCORDANCE WITH FLORIDA BUILDING CODE SECTION 1906.5.3 SPECIFICATION ON ACCELERATED CURING.
7. ADEQUATE EQUIPMENT SHALL BE PROVIDED FOR HEATING CONCRETE MATERIALS AND ALL REINFORCEMENT, FORMS, FILLERS, AND GROUND IN WHICH CONCRETE IS TO COME INTO CONTACT DURING FREEZING OR NEAR-FREEZING WEATHER.
8. ALL REINFORCEMENT SHALL BE BENT COLD, UNLESS OTHERWISE APPROVED BY THE STRUCTURAL ENGINEER.
9. SHOP DRAWINGS SHOWING ALL FABRICATION DIMENSIONS AND LOCATIONS FOR PLACING REINFORCING STEEL SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
10. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60 UNLESS OTHERWISE NOTED.
11. WELDED WIRE FABRIC (MESH) SHALL CONFORM TO ASTM A185.
12. A MINIMUM CONCRETE COVER OF 3" SHALL BE PROVIDED FOR ALL REINFORCING STEEL UNLESS OTHERWISE NOTED IN THE STRUCTURAL CONTRACT DOCUMENTS.
13. REINFORCING STEEL SHALL NOT BE WELDED OR TACK WELDED UNLESS APPROVED BY THE STRUCTURAL ENGINEER. WEATHER CONDITIONS SHALL NOT BE ACCEPTED AS A VALID REASON FOR INCORRECT OR OTHERWISE POOR QUALITY OF CONCRETE OR CONCRETE SURFACES.
14. CONCRETE SHALL BE DYED BLACK.



ST05 TYPE D DBI DETAIL
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

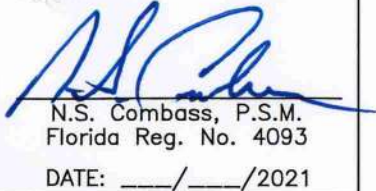
JOB NUMBER:
L210118SWG
EOR:
GREGORY G. BAILEY
P.E. NO.:
42035

DETAILS
STATION # 303
COLUMBIA COUNTY, FLORIDA

SHEET NO.

C-21

IN SECTION 33
TOWNSHIP 3 SOUTH, RANGE 17 EAST
COLUMBIA COUNTY, FLORIDA



SHEET
NO.

1