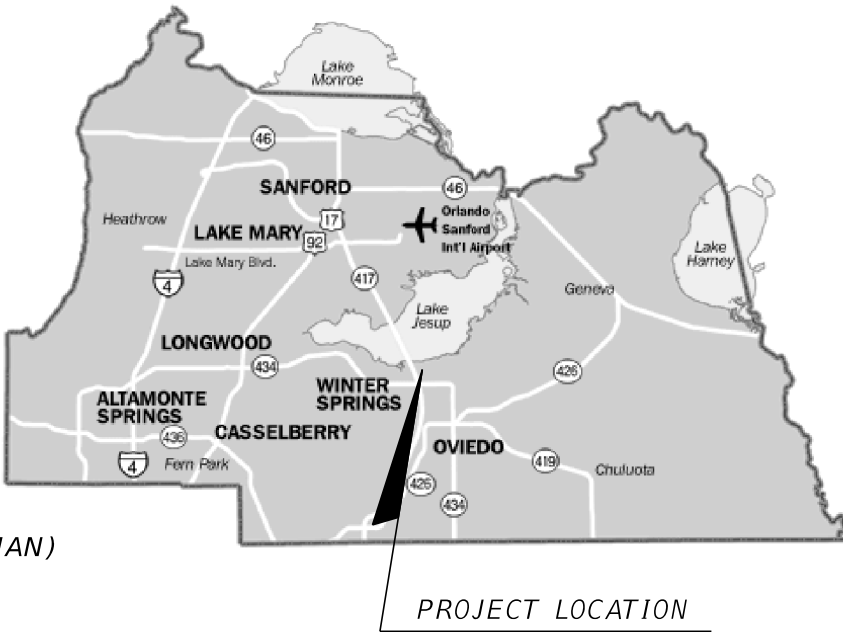


SEMINOLE COUNTY
PUBLIC WORKS DEPARTMENT

CONTRACT PLANS

FEMA EROSION PROJECTS
DELEON ST. AND SWEETWATER CREEK



INDEX OF ROADWAY PLANS

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38-39	TEMPORARY TRAFFIC CONTROL PLAN
40-43	SIGNING AND PAVEMENT MARKING PLAN
SQ-1 - SQ-4	SUMMARY OF QUANTITIES

PUBLIC WORKS DIRECTOR: JEAN JREIJ, P.E.
COUNTY ENGINEER: ANTHONY NELSON, P.E.
COUNTY COMMISSIONER- DISTRICT 1: BOB DALLARI
COUNTY COMMISSIONER- DISTRICT 2: JAY ZEMBOWER (VICE CHAIRMAN)
COUNTY COMMISSIONER- DISTRICT 3: LEE CONSTANTINE
COUNTY COMMISSIONER- DISTRICT 4: AMY LOCKHART (CHAIRMAN)
COUNTY COMMISSIONER- DISTRICT 5: ANDRIA HERR

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY2024-25 Standard Specifications
for Road and Bridge Construction at the following website:
<https://www.fdot.gov/programmanagement/Implemented/SpecBooks>

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2024-25 Standard Plans for Road and
Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the
following website: <http://www.fdot.gov/design/standardplans>

KEY SHEET REVISIONS	
DATE	DESCRIPTION

CIP NO. 02107077

PROJECT MANAGER: JEDIOUS AGGREY

60% PLANS
FEBRUARY 2024

SHOP DRAWINGS
TO BE SUBMITTED TO:

ADAM CROUCH P.E.
1025 GREENWOOD BLVD.
SUITE 371
LAKE MARY, FL 32746

PLANS PREPARED BY:



moffatt & nichol

1025 GREENWOOD BLVD.
SUITE 371
LAKE MARY, FL 32746
(407) 562-2030

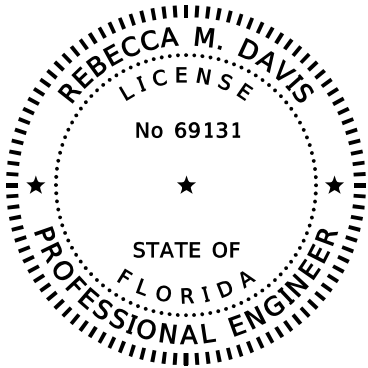
VENDOR #: F951951343001
CERTIFICATE OF AUTHORIZATION #: 4877



NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

ENGINEER OF RECORD: LARRY B. FLOOD, P.E.
P.E. NO.: 85560

FISCAL YEAR	SHEET NO.
	1

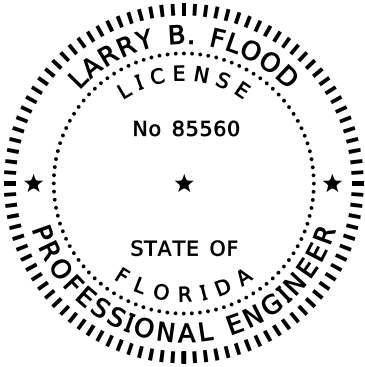


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ON THE DATE ADJACENT TO THE SEAL

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MOFFATT & NICHOL
1025 GREENWOOD BLVD, SUITE 371
LAKE MARY, FL 32746
REBECCA M. DAVIS, P.E. NO. 69131



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MOFFATT & NICHOL
1025 GREENWOOD BLVD, SUITE 371
LAKE MARY, FL 32746
LARRY B. FLOOD, P.E. NO. 85560

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


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3	SUMMARY OF PAY ITEMS
13-15	DRAINAGE DETAILS
16-17	DRAINAGE STRUCTURES
35-37	STORMWATER POLLUTION PREVENTION PLAN

REVISIONS				 moffatt & nichol ENGINEER OF RECORD: LARRY B FLOOD, P.E. FL REGISTRATION NO. 85560	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		DELEON ST. AND SWEETWATER CREEK		2

SUMMARY OF PAY ITEMS				
PAY ITEM NUMBER	DESCRIPTION	UNIT	PLAN QUANTITY	FINAL QUANTITY
0101-001-000	MOBILIZATION	LS	1.000	
0102-001-000	MAINTENANCE OF TRAFFIC	LS	1.000	
0104-010-003	SEDIMENT BARRIER	LF	2412.000	
0104-012-000	STAKED TURBIDITY BARRIER - NYLON REINFORCED PVC	LF	1000.000	
0104-018-000	INLET PROTECTION SYSTEM	EA	6.000	
0110-001-001	CLEARING & GRUBBING	LS	1.000	
0110-004-010	REMOVAL OF EXISTING CONCRETE	SY	365.000	
0120-001-000	REGULAR EXCAVTION	CY	6028.000	
0120-006-000	EMBANKMENT	CY	24.000	
0160-004-000	TYPE B STABILIZATION	SY	2044.000	
0285-709-000	OPTIONAL BASE, BASE GROUP 09	SY	1555.000	
0327-070-004	MILLING EXISTING ASPHALT PAVEMENT, 3" AVG DEPTH	SY	2654.000	
0334-001-012	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	TN	347.200	
0337-007-081	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC B, FC-12.5, PG 76-22	TN	350.800	
0400-002-002	CLASS II CONCRETE, ENDWALLS	CY	154.800	
0415-001-006	REINFORCING STEEL, MISCELLANOUS	LB	23199.000	
0425-001-351	INLETS, CURB, TYPE P-5, <10'	EA	4.000	
0430-174-118	CONCRETE PIPE CULVERT, S/CD, CLASS II, 18"	LF	34.000	
0430-174-124	CONCRETE PIPE CULVERT, S/CD, CLASS II, 24"	LF	10.000	
455-133-002	STEEL SHEET PILING, TEMPORARY-CRITICAL	SF	6006.000	
0520-001-010	CONCRETE CURB & GUTTER, TYPE F	LF	1648.000	
0524-001-002	CONCRETE DITCH PAVEMENT, NON REINFORCED, 4"	SY	0.000	
0530-1-6A	GEOWEB WALL	SF	10089.000	
0530-3-4	RUBBLE RIPRAP (DITCH LINING)	TN	165.000	
0530-74	BEDDING STONE	TN	37.000	
0570-1-1	PERFORMANCE TURF (SEED)	SY	359.000	
0570-1-2	PERFORMANCE TURF (SOD)	SY	1294.000	
0571-1-13	PLASTIC EROSION MAT, TURF REINFORCED MAT, TYPE 3	SY	359.000	
0700-001-111	SINGLE POST SIGN, F&I	EA	1.000	
0700-001-500	SINGLE POST SIGN, REMOVE	EA	3.000	
0700-001-600	SINGLE POST SIGN, RELOCATE	EA	3.000	
0706-001-003	RAISED PAVEMENT MARKER, TYPE B	EA	49.000	
0711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	LF	3729.000	
0711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	13.000	
0711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	LF	3263.000	
0909-104	MAINTENANCE OF BY-PASS FLOW/DEWATERING	LS	1.000	

PAY ITEM NOTES:

GENERAL PAY ITEM NOTES:

1.

NO SEPARATE PAYMENT WILL BE MADE FOR GEOTEXTILE FABRIC OR FILTER FABRIC. THE COSTS WILL BE INCLUDED IN THE UNIT PRICES OF OTHER PAY ITEMS.
2.

NO SEPARATE PAYMENT WILL BE MADE FOR NO. 57 STONE. THE COST WILL BE INCLUDED IN THE UNIT PRICES OF OTHER PAY ITEMS.
- 0101-001-000

INCLUDES ALL COSTS FOR DOCUMENTING THE EXSITING CONDITIONS, RECORDING PRECONSTRUCTION CONDITIONS ON VIDEO, AND FOR PROVIDING PROGRESS PHOTOGRAPHS. INCLUDES ALL COSTS FOR SECURITY OF THE PROPERTIES AFFECTED BY THE CONSTRUCTION.
- 0102-001-000

INCLUDES ALL COSTS FOR PREPARATION OF AN APPROVED TRAFFIC CONTROL PLAN AND ALL ITEMS REQUIRED TO SAFELY MAINTAIN TRAFFIC THROUGH AND AROUND THE WORK ZONES FOR THE DURATION OF THE PROJECT. INCLUDES THE COST TO FURNISH AND MAINTAIN TEMPORARY RESTROOM FACILITIES TO BE USED DURING CONSTRUCTION. INCLUDES THE COST FOR THE CONTRACTOR TO CLEAN THE JOB SITE BY REMOVING ALL CONSTRUCTION DEBRIS BEFORE LEAVING THE JOB SITE EACH DAY. FOLLOWING CONSTRUCTION, THE CONTRACTOR SHALL THOROUGHLY CLEAN AND SWEEP THE WORK ZONES TO ASSURE ALL DEBRIS HAS BEEN REMOVED.
- 0104-010-003 & 0104-012-000

INCLUDE ALL COSTS FOR PREPARATION OF AN APPROVED EROSION CONTROL PLAN AND ANY ADDITIONAL EROSION CONTROL ITEMS NECESSARY TO MEET ALL REQUIREMENTS AND SPECIFICATIONS FOR EROSION CONTROL.
- 0110-001-001

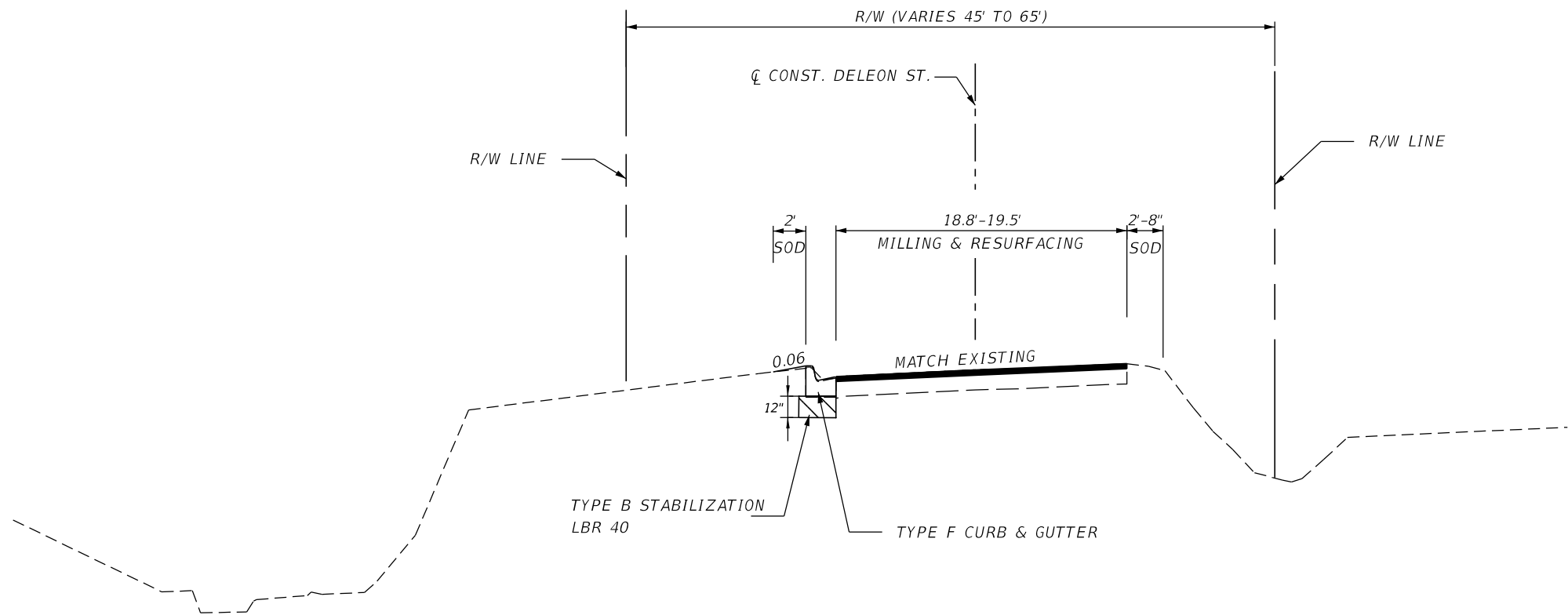
INCLUDES ALL COSTS FOR REMOVAL AND RELOCATION OR REPLACEMENT FOR EXISTING STRUCTURES IMPACTED BY CONSTRUCTION. INCLUDES ALL COSTS FOR PROTECTION OF TREES TO REMAIN.
- 0455-133-002

INCLUDES ALL COSTS FOR EMBANKMENT BEHIND RETAINING WALL.
- 0530-1-6A

UNIT IS SQUARE FEET OF WALL FACE. UNIT PRICE SHALL CONSTITUTE FULL COMPENSATION FOR FURNISHING, ASSEMBLING, PLACING GEOWEB WALL, INCLUDING EXCAVATION, FOUNDATION PREPARATION, REMOVAL AND DISPOSAL OFF-SITE OF UNSUITABLE MATERIAL, FASTENERS, GEOGRID, FILTER FABRIC, SELECT BACKFILL, PLACING MATERIALS, COMPACTION, ON-SITE SUPERVISION BY THE MANUFACTURER'S REPRESENTATIVE, AND ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, SUPPLIES, AND INCIDENTAL COSTS.
- 0570-1-1

INCLUDES THE COST TO SEED AND ESTABLISH TURF ABOVE PLASTIC EROSION MAT TO THE COUNTY'S SATISFACTION.
- 0909-104

INCLUDES ALL COSTS FOR DEWATERING AND BYPASS PUMPING. THE COST INCLUDES ALL PUMPS, PERMITS, FEES, DRAINS, FILTER SOCKS, WELL POINTS, PIPE, HOSE FUEL, AND ANY OTHER ITEMS NECESSARY TO PROPERLY DEWATER THE WORK AREA.



**TYPICAL SECTION
DELEON ST.
STA. 14+70.89 TO STA. 18+00.00
STA. 32+31.78 TO STA. 33+20.00**


- NOTE:
1. CONTRACTOR SHOULD ANTICIPATE ENCOUNTERING LIMEROCK BASE DURING THE MILLING OPERATION. THE DISTURBED LIMEROCK BASE SHALL BE RECOMPACTED BY ROLLING FOR A FIRM, UNYIELDING BASE. THE MILLED PAVEMENT IN THESE AREAS SHALL NOT BE USED AS RAP MATERIAL.
 2. SEE PLAN SHEETS FOR LIMITS OF CURB AND GUTTER PLACEMENT.

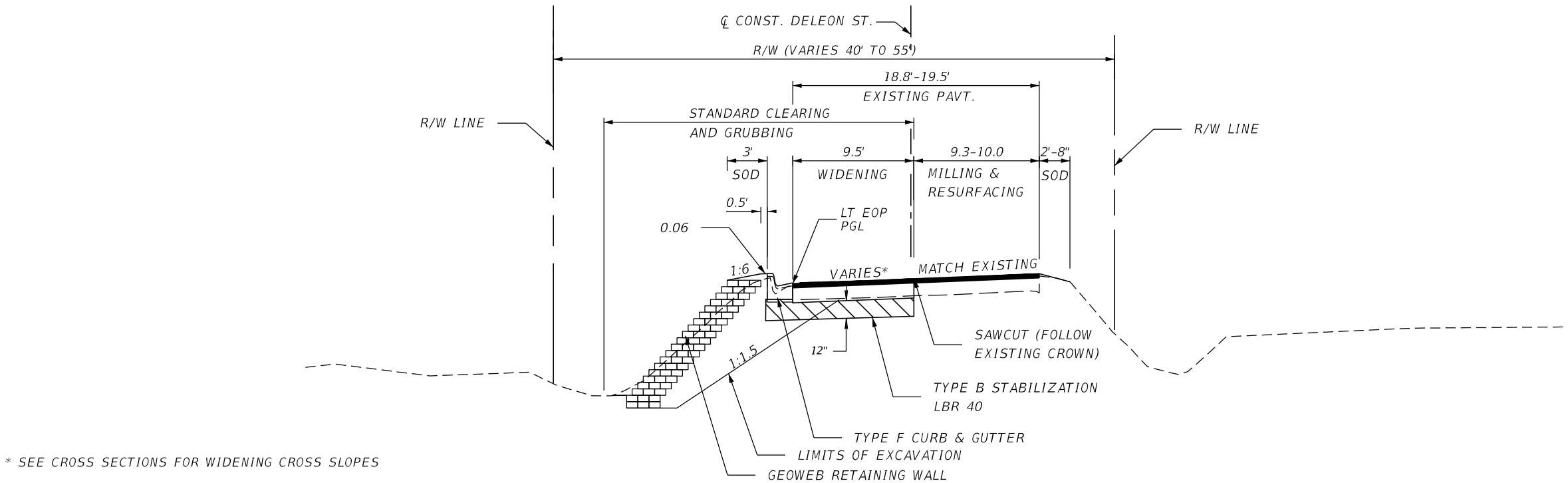
EXISTING TRAVEL LANES

MILL EXISTING ASPHALT PAVEMENT (3" DEPTH)
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1 ½")
AND FRICTION COURSE FC-12.5 (TRAFFIC B) (1 ½")

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 1
AND FRICTION COURSE FC-12.5 (TRAFFIC B) (1 ½")


REVISIONS				 moffatt & nichol ENGINEER OF RECORD: REBECCA M DAVIS, P.E. FL REGISTRATION NO. 69131	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	TYPICAL SECTION	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				
					DELEON ST. AND SWEETWATER CREEK		4



NOTE: CONTRACTOR SHOULD ANTICIPATE ENCOUNTERING LIMEROCK BASE DURING THE MILLING OPERATION. THE DISTURBED LIMEROCK BASE SHALL BE RECOMPACTED BY ROLLING FOR A FIRM, UNYIELDING BASE. THE MILLED PAVEMENT IN THESE AREAS SHALL NOT BE USED AS RAP MATERIAL.

TYPICAL SECTION
DELEON ST.
STA. 18+00.00 TO STA. 32+31.78

EXISTING NB TRAVEL LANE	WIDENING
MILL EXISTING ASPHALT PAVEMENT (3" DEPTH) TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1 ½") AND FRICTION COURSE FC-12.5 (TRAFFIC B) (1 ½")	OPTIONAL BASE GROUP 9 (TYPE B-12.5 ONLY) TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1 ½") AND FRICTION COURSE FC-12.5 (TRAFFIC B) (1 ½")

REVISIONS				 moffatt & nichol ENGINEER OF RECORD: REBECCA M DAVIS, P.E. FL REGISTRATION NO. 69131	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	TYPICAL SECTION	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				
					DELEON ST. AND SWEETWATER CREEK		5

GENERAL NOTES

1. GRADES SHOWN ARE FINISHED GRADES.

2. B.M. DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD88)

3. DURING CONSTRUCTION, CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

4. ALL MATERIALS, CONSTRUCTION, INSPECTIONS AND TESTS SHALL, AT A MINIMUM, CONFORM TO FDOT STANDARD SPECIFICATIONS DATED 2024, AND SUPPLEMENTS THERETO, AND TO SPECIAL PROVISIONS FOR THIS PROJECT.

5. THE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE LOCATION ONLY AND ARE INTENDED ONLY TO SHOW THE UTILITIES LIKELY TO BE ENCOUNTERED DURING CONSTRUCTION, ALL EXISTING UTILITIES, PUBLIC OR PRIVATE, SHALL BE LOCATED BY THE CONTRACTOR IN AREAS OF CONSTRUCTION AND OWNERS OF SAID MENTIONED UTILITIES NOTIFIED PRIOR TO COMMENCING WORK.

UTILITY/AGENCY OWNERS:

COMPANY

AT&T DISTRIBUTION

CHARTER

CENTURYLINK LVL 3

CITY OF LAKE MARY

DUKE ENERGY DISTRIBUTION

DUKE ENERGY TRANSMISSION

FLORIDA PUBLIC UTILITIES

SEMINOLE COUNTY PUBLIC WORKS

SEMINOLE COUNTY TRAFFIC

VERIZON/MCI

CONTACT

KIRBY SPENCER

JOHN SMITH

MICHAEL HUNT

DANIELLE KOURY

JOHNNY HILL

PAUL ZIMMERMAN

CHARLES WETZEL

TIMOTHY COLE

TELEPHONE NUMBER

KS2488@ATT.COM

JOHN.SMITCH5@CHARTER.COM

MICHAEL.HUNT@LUMEN.COM

DKOURY@LAKEMARYFL.COM

DEFDISTRIBUTIONGOV@DUKE-ENERGY.COM (

DEFTRANSMISSIONGOV@DUKE-ENERGY.COM

JHILL@FPUC.COM

PZIMMERMAN@SEMINOLECOUNTYFL.GOV

CWETZEL@SEMINOLECOUNTYFL.GOV

TIMOTHY.COLE@VERIZON.COM
6. IT IS THE RESPONSIBILITY OF THE EXCAVATOR TO COMPLY WITH THE CURRENT STATE OF FLORIDA UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT AND/OR RELATED STATE LAW. THE FOLLOWING INFORMATION IS BEING PROVIDED BY SEMINOLE COUNTY IN AN EFFORT TO ASSIST THE EXCAVATOR BY LISTING UTILITIES THAT MAY PROVIDE SERVICE IN THE APPROXIMATE AREA OF PROPOSED CONSTRUCTION. THE EXCAVATOR SHOULD ASSUME OTHER UTILITIES THAT ARE NOT LISTED MAY PROVIDE SERVICE IN THE APPROXIMATE AREA OF PROPOSED CONSTRUCTION.
7. ANY NGVD29 OR NAVD88 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHOULD NOTIFY:

GEODETIC INFORMATION CENTER

ATTN: MARK MAINTENANCE SECTION

N/CG-162

6001 EXECUTIVE BOULEVARD

ROCKVILLE, MARYLAND 20852

TELEPHONE: (301) 443-8319
8. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE COUNTY LOCATION SURVEYOR WITHOUT DELAY BY TELEPHONE.
9. ALL SURVEY CORNERS INDICATED ON THE PLANS SHALL BE REFERENCED AND CERTIFIED BY A REGISTERED PROFESSIONAL LAND SURVEYOR PRIOR TO COMMENCEMENT OF CONSTRUCTION. ALL CORNERS DESTROYED OR OBLITERATED BY CONSTRUCTION SHALL BE RESET AND SO CERTIFIED BY THE LAND SURVEYOR PRIOR TO COMPLETION OF THE PROJECT. CERTIFIED SKETCHES SHALL BE SUBMITTED TO:

SEMINOLE COUNTY ENGINEERING DIVISION

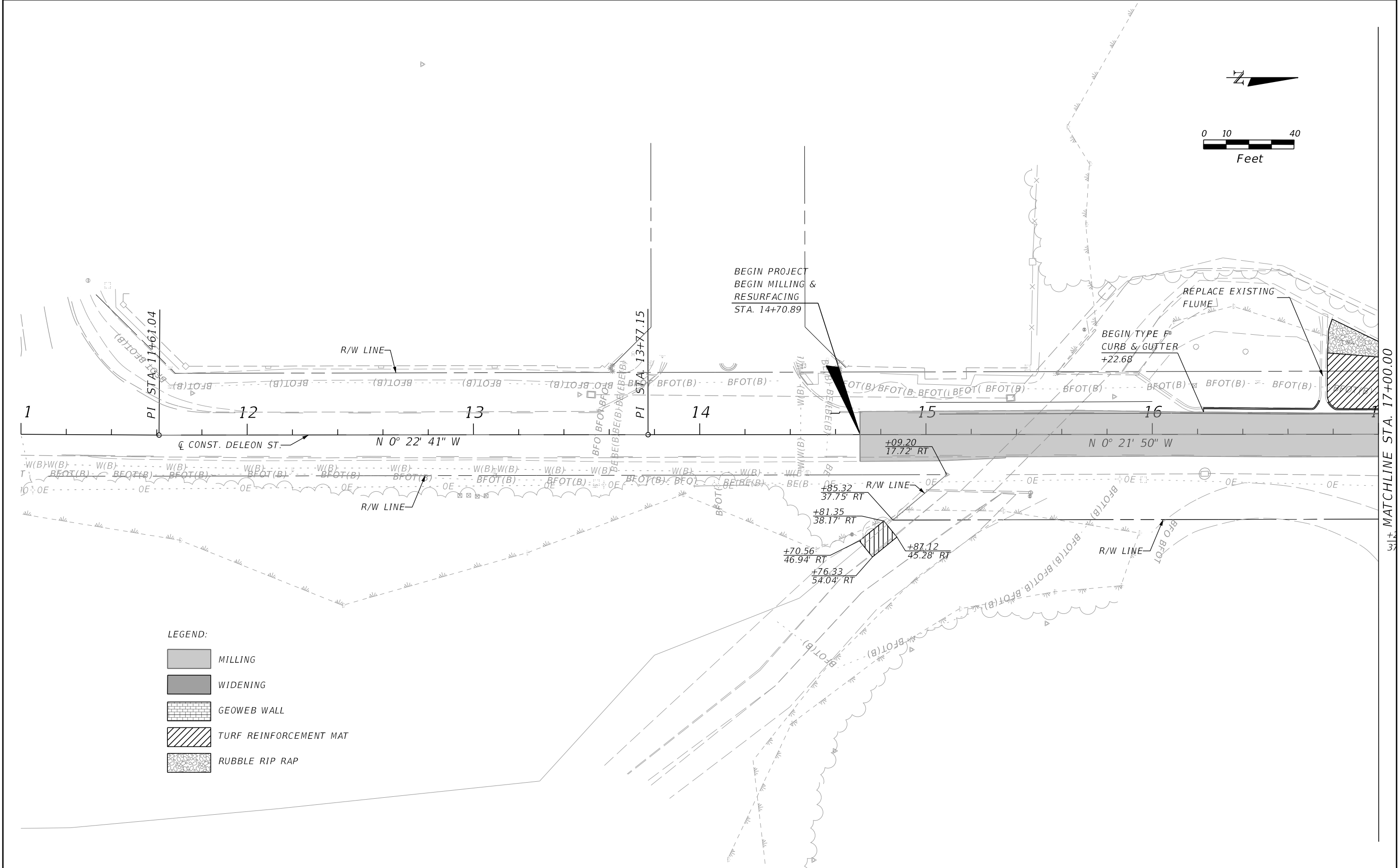
SURVEY SECTION


520 W. LAKE MARY BLVD., SUITE 200

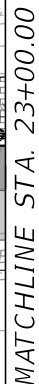
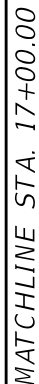
SANFORD, FL 32773

10. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
11. TEMPORARY DRAINAGE SHALL BE PROVIDED DURING CONSTRUCTION TO ELIMINATE ANY FLOODING OF PRIVATE PROPERTY.
12. ANY DRAINAGE PROBLEMS, CREATED BY CONSTRUCTION OR EXISTING BEFORE CONSTRUCTION, THAT ARE NOT ALLEVIATED SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEERING DIVISION.
13. ALL STORM SEWER LINES AND INLETS SHALL BE CLEARED OF DEBRIS AND ERODED MATERIALS AT LAST STAGES OF CONSTRUCTION.
14. ALL PRIVATE AND PUBLIC PROPERTY AFFECTED BY THE CONSTRUCTION WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING PRE-CONSTRUCTION CONDITION, UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. COST TO BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION TO BE ALLOWED. ANY AREA OUTSIDE THE IMMEDIATE CONSTRUCTION AREA DISTURBED BY THE CONTRACTOR WILL BE SODDED AT THE CONTRACTOR'S EXPENSE.
15. ALL SHOP DRAWING MUST BE APPROVED BY SEMINOLE COUNTY PRIOR TO FABRICATION.
16. ONE WEEK PRIOR TO CONSTRUCTION, THE CONTRACTOR IS TO OBTAIN A R/W UTILIZATION PERMIT FROM SEMINOLE COUNTY PUBLIC WORKS, ENGINEERING DIVISION. PERMIT FEE WILL BE WAIVED.
17. IRRIGATION LINES DAMAGED DURING CONSTRUCTION ARE TO BE CAPPED IMMEDIATELY AND REPORTED TO THE SEMINOLE COUNTY ENGINEERING INSPECTOR. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND/OR REPLACE THE DAMAGED IRRIGATION COMPONENTS TO PRE-CONSTRUCTION CONDITION WITH NO ADDITIONAL COMPENSATION PRIOR TO COMPLETION OF THE PROJECT.
18. ANY MAILBOX CONFLICTING WITH THE CONSTRUCTION OF THE PROJECT SHALL BE RELOCATED BY THE CONTRACTOR IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 110-200. NEW LOCATIONS TO BE COORDINATED WITH LOCAL POST OFFICE.
19. ARTESIAN CONDITIONS MAY EXIST WITHIN THE PROJECT LIMITS. SHOULD AN ARTESIAN BE ENCOUNTERED, CONTRACTOR SHALL NOTIFY COUNTY IMMEDIATELY AND BE PREPARED TO REMEDY IF CORRECTIVE ACTIONS ARE REQUIRED.
20. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, QUANTITIES, AND DETAILS SHOWN ON THE PLANS, SPECIFICATIONS SPECIAL PROVISIONS, OR OTHER DATA RECEIVED FROM THE COUNTY, AND SHALL NOTIFY THE COUNTY'S REPRESENTATIVE OF ALL ERRORS, OMISSIONS, CONFLICTS, OR DISCREPANCIES FOUND THEREIN. FAILURE TO DISCOVER OR CORRECT ERRORS, CONFLICTS, OR DISCREPANCIES SHALL NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR UNSATISFACTORY WORK, FAULTY CONSTRUCTION, IMPROPER OPERATION RESULTING THEREFROM, NOR FROM RECTIFYING SUCH CONDITIONS AT HIS OWN EXPENSE. HE SHALL NOT TAKE ADVANTAGE OF ANY ERRORS OR OMISSIONS.
21. THE CONTRACTOR SHALL BE SOLEY RESPONSIBLE FOR THE PREVENTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION AS WELL AS TRANSPORTATION OF ERODED MATERIALS OFF-SITE. THE CONTRACTOR IS RESPONSABLE FOR MAINTAINING ALL SEDIMENT CONTROL DEVICES THROUGHOUT THE DURATION OF CONSTRUCTION AS REQUIRED BY THE COUNTY, ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (SJRWMD), AND THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP). AT THE PRECONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN. THE EROSION CONTROL PLAN SHALL MEET THE REQUIREMENTS ABOVE AND WITHIN FDOT SPECIFICATION 104. THE PLAN SHALL ADDRESS THE INSTALLATION AND MAINTENANCE OF ALL TEMPORARY AND PERMANENT SEDIMENT AND EROSION CONTROL DEVICES TO BE USED DURING EACH PHASE OF CONSTRUCTION, INCLUDING TREE REMOVAL, CLEARING AND GRUBBING, HAULING OF EXCAVATED MATERIALS, AND PLACEMENT OF BACKFILL. THE PLAN ALSO SHALL DETAIL THE EROSION CONTOL MEASURES TO BE EMPLOYED AT ALL STOCKPILE AND CONSTRUCTION STAGING AREAS AND SHALL DEFINE THE MAXIMUM LIMITS OF ALL ACTIVE CONSTRUCTION ZONES AND THE MAXIMUM AMOUNT OF TIME EACH SEGMENT OF THE PROJECT WILL BE UNPROTECTED AGAINST EROSION.


REVISIONS				<div><div></div><div></div><div></div></div> <div>mo</div> <div>fatt & nichol</div> <div>ENGINEER OF RECORD:</div> <div>REBECCA M DAVIS, P.E.</div> <div>FL REGISTRATION NO. 69131</div>	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT	GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ENGINEERING DIVISION		
					DELEON ST. AND SWEETWATER CREEK	6	



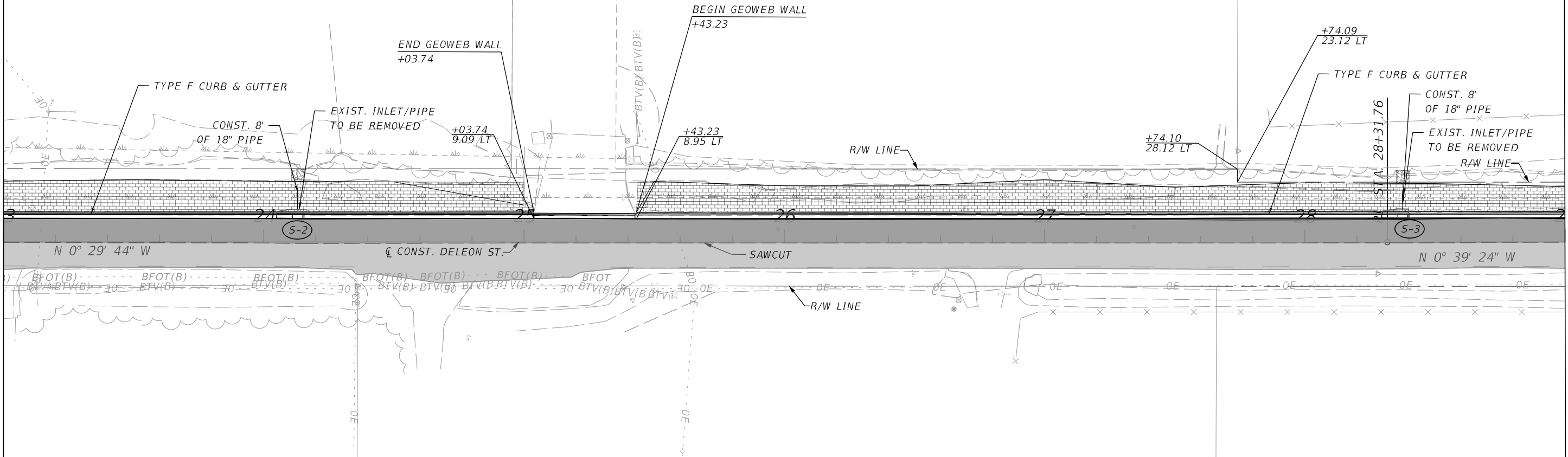
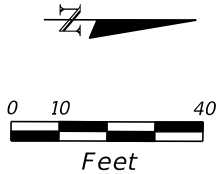
REVISIONS				<div> moffatt & nichol ENGINEER OF RECORD: REBECCA M. DAVIS, P.E. FL REGISTRATION NO. 69131</div>	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION DELEON ST. AND SWEETWATER CREEK	ROADWAY PLAN	SHEET NO. 7
DATE	DESCRIPTION	DATE	DESCRIPTION				



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

REVISIONS				<div> moffatt & nichol ENGINEER OF RECORD: REBECCA M. DAVIS, P.E. FL REGISTRATION NO. 69131</div>	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	ROADWAY PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		DELEON ST. AND SWEETWATER CREEK		8


MATCHLINE STA. 23+00.00



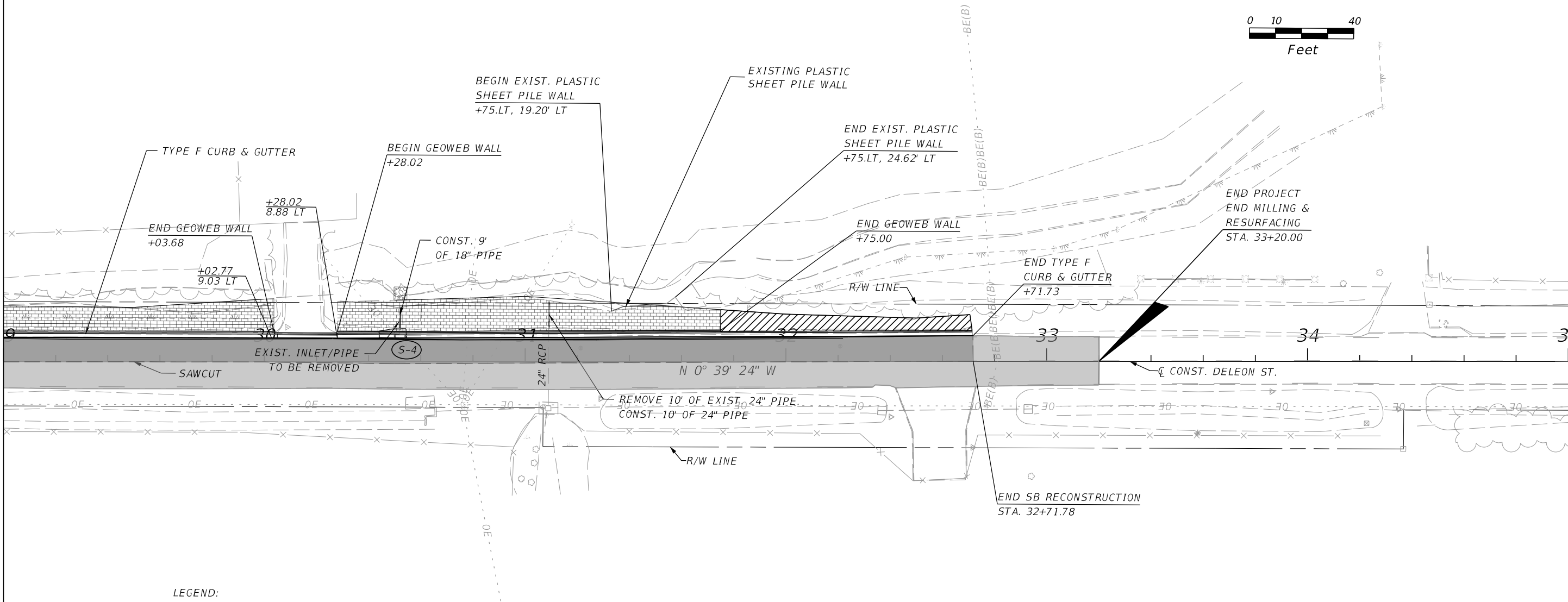
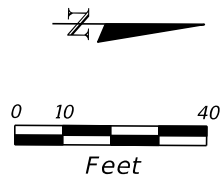
LEGEND:

	MILLING
	WIDENING
	GEOWEB WALL

MATCHLINE STA. 29+00.00


REVISIONS				 moffatt & nichol ENGINEER OF RECORD: REBECCA M DAVIS, P.E. FL REGISTRATION NO. 69131	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION DELEON ST. AND SWEETWATER CREEK	ROADWAY PLAN		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					9

MATCHLINE STA. 29+00.00

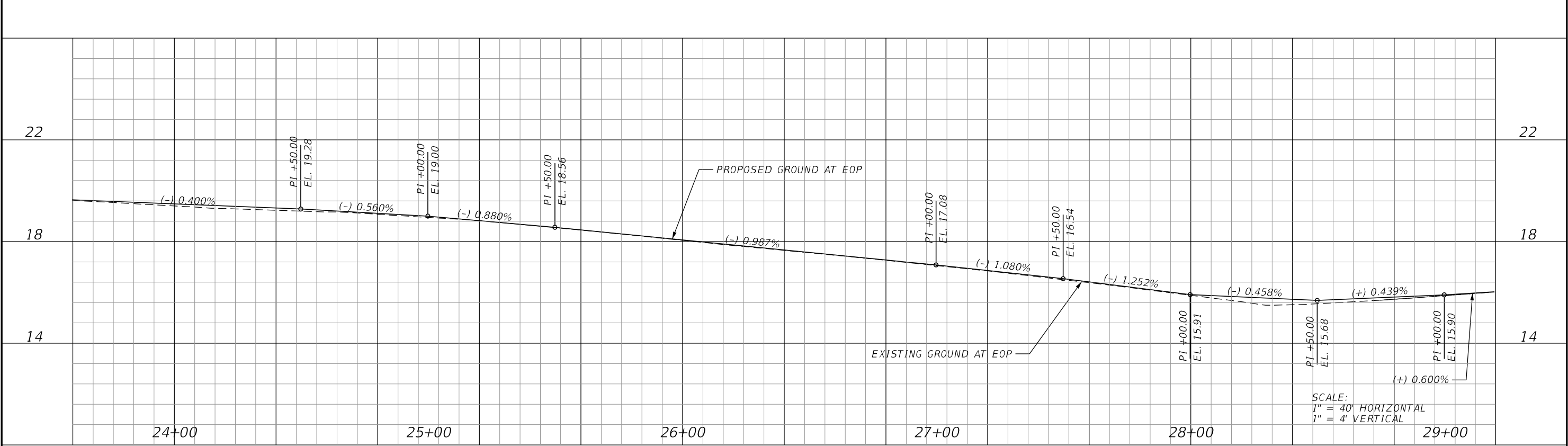
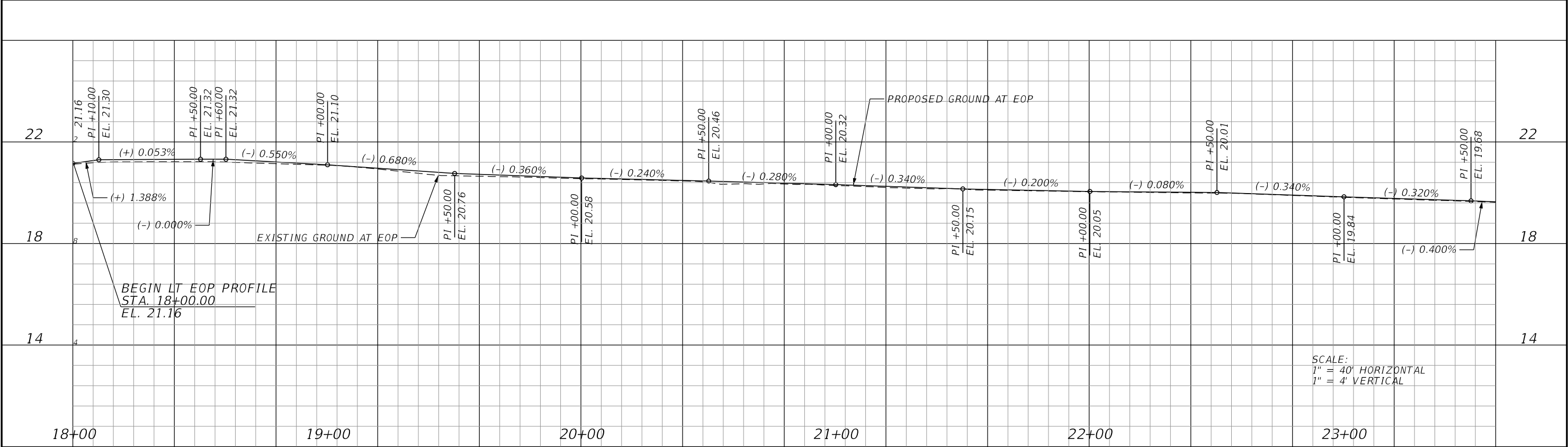



LEGEND:

	MILLING
	WIDENING
	GEOWEB WALL
	TURF REINFORCEMENT MAT

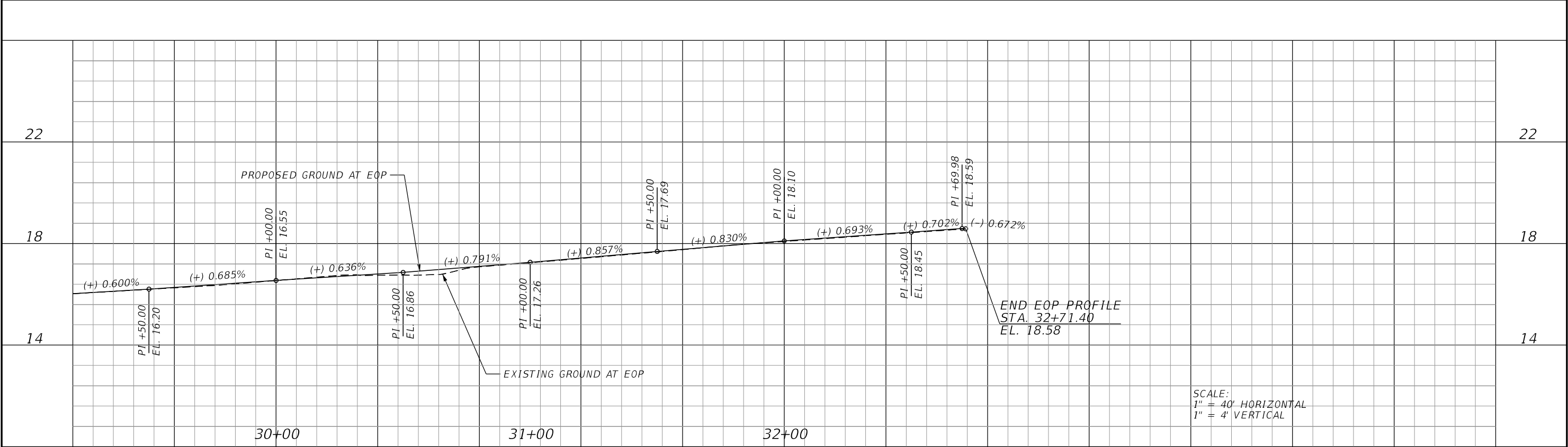
REVISIONS				 moffatt & nichol ENGINEER OF RECORD: REBECCA M DAVIS, P.E. FL REGISTRATION NO. 69131	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION DELEON ST. AND SWEETWATER CREEK	ROADWAY PLAN		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					
								10


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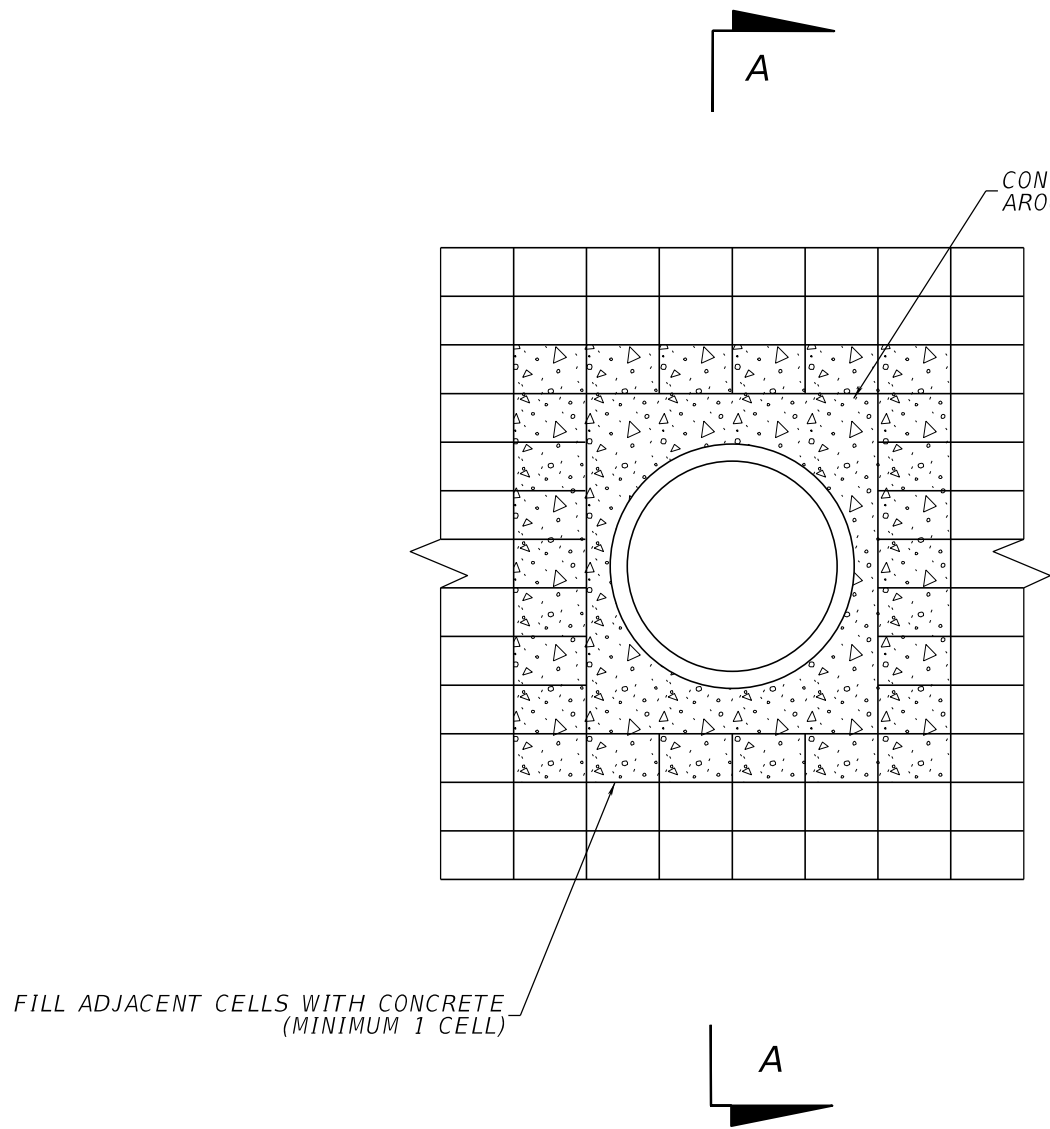
REVISIONS				<div> moffatt & nichol ENGINEER OF RECORD: REBECCA M DAVIS, P.E. FL REGISTRATION NO. 69131</div>	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	ROADWAY PROFILE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		DELEON ST. AND SWEETWATER CREEK		11

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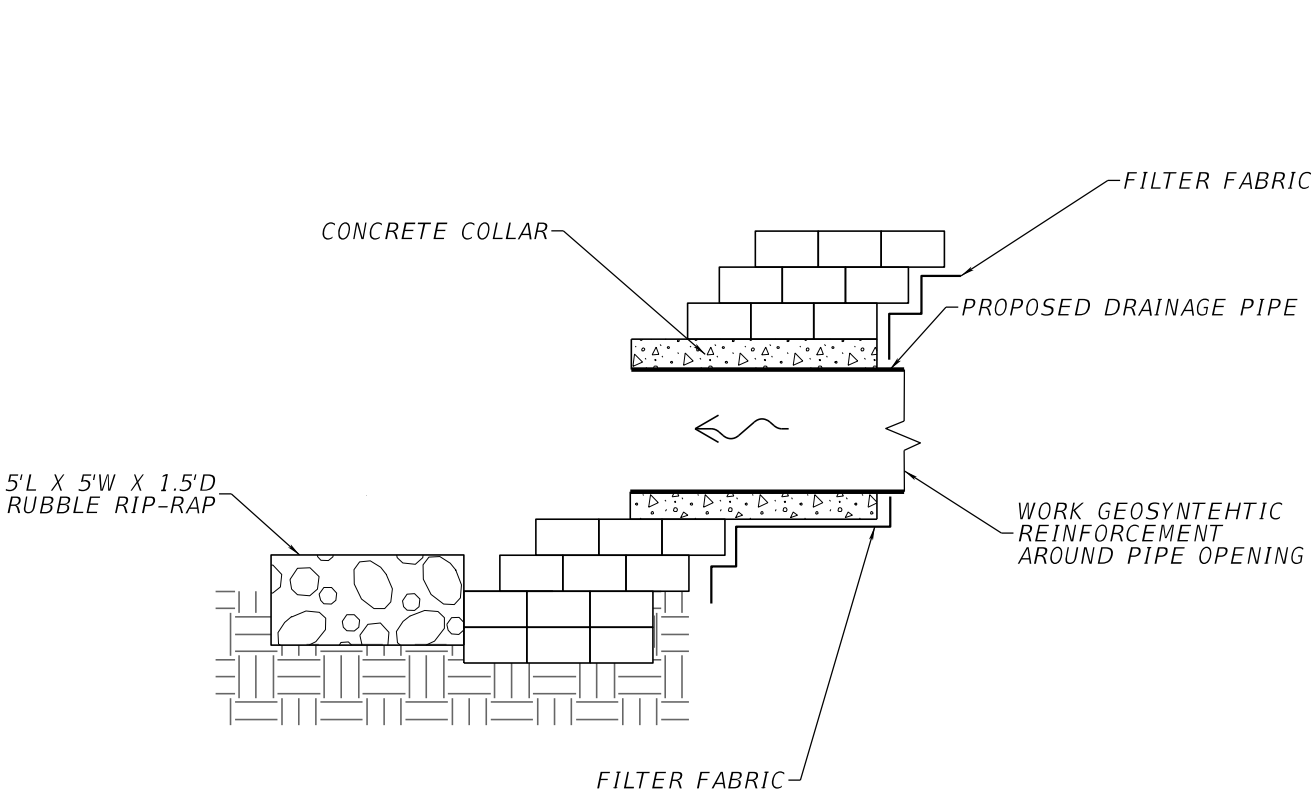


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DATE	DESCRIPTION	DATE	DESCRIPTION					
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FACE VIEW
N.T.S

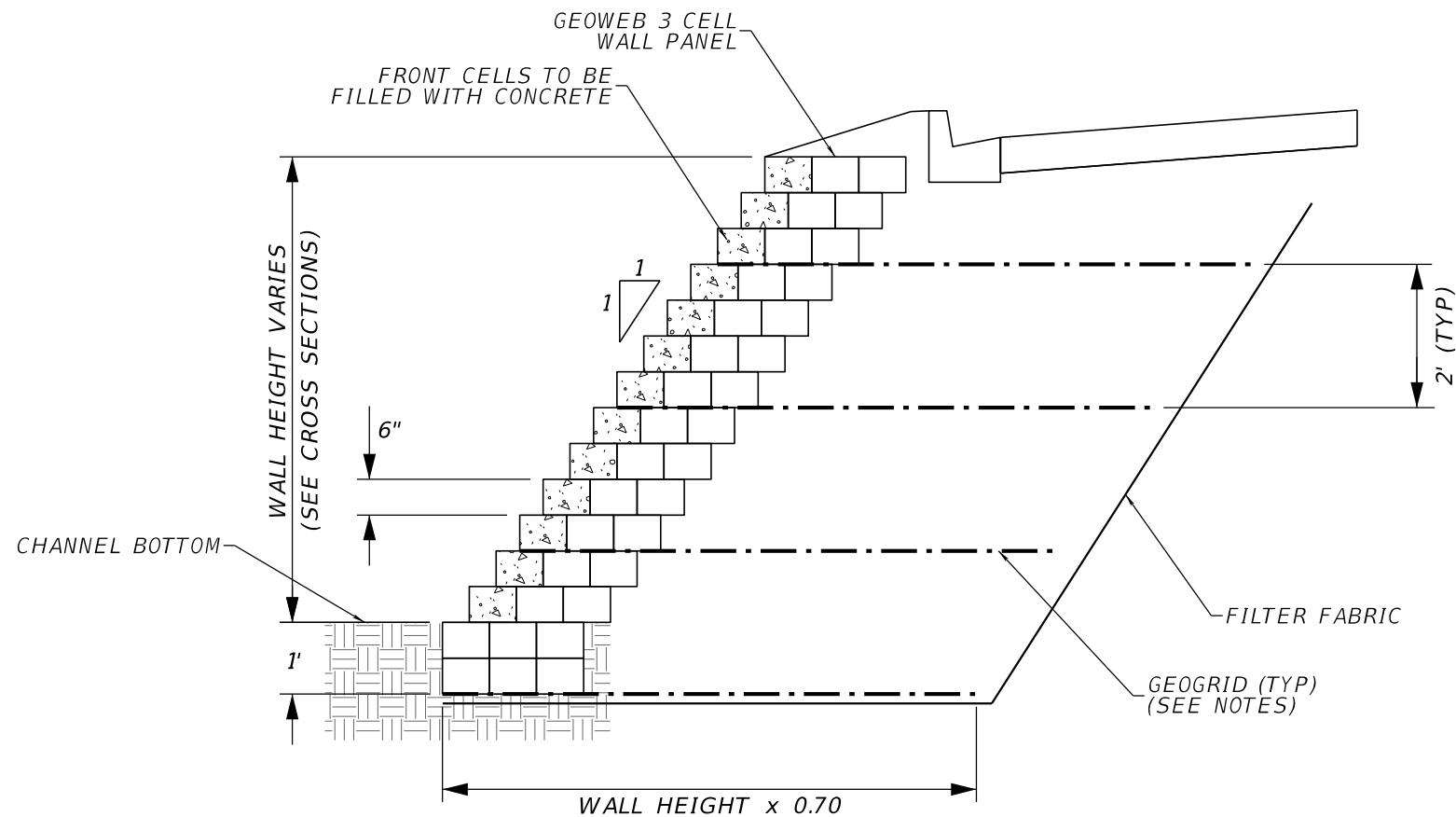


SECTION A-A
N.T.S

PIPE WALL PENETRATION DETAIL
N.T.S

- NOTES:
1. PRIOR TO PIPE THROUGH WALL INSTALLATION, CONTRACTOR TO HAVE GEOWEB REPRESENTATIVE ON SITE.


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DATE	DESCRIPTION	DATE	DESCRIPTION				

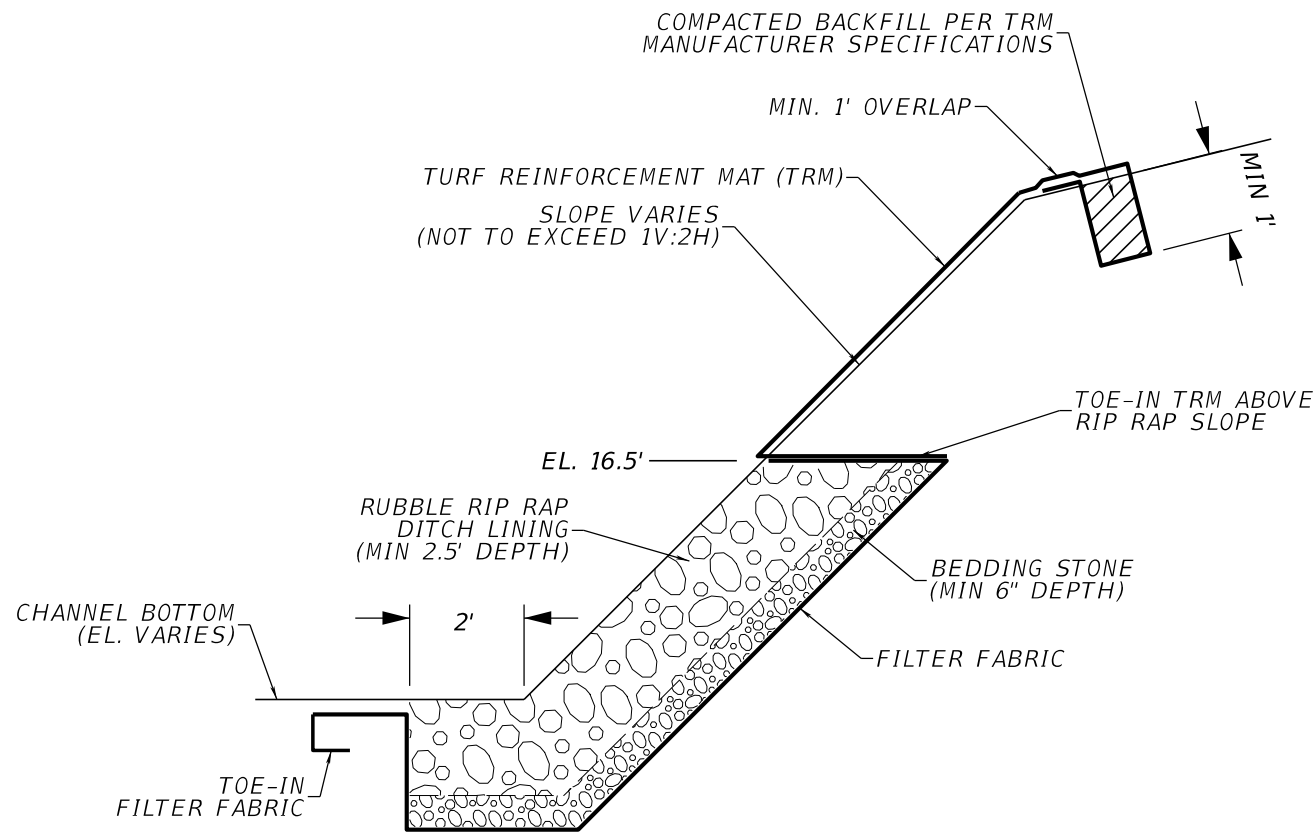


GEOWEB WALL DETAIL
N.T.S

NOTES:

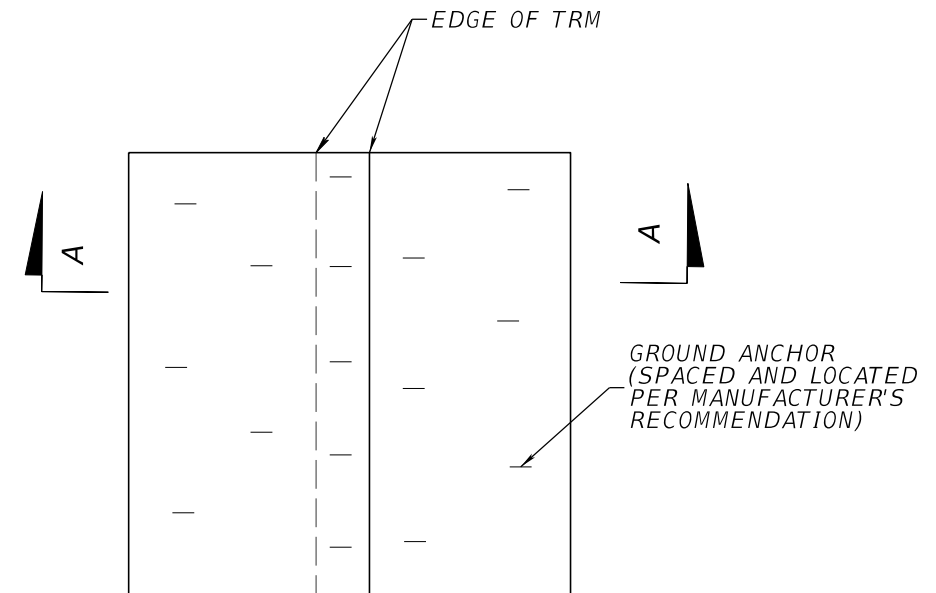
1. GEOWEB WALL TO BE GEOWEB GW30V60803P (6-INCH) 3 CELL WALL PANELS OR APPROVED EQUAL. INSTALL PER MANUFACTURER INSTRUCTIONS.
2. GEOGRID SHALL BE MIRAFI 2XT OR APPROVED EQUAL WITH A LONG TERM DESIGN STRENGTH OF 1,096 LBS/FT.
3. PRE-SHAPE THE GEOWEB SYSTEM PRIOR TO INFILL PLACEMENT.
4. INFILL FRONT CELLS WITH CONCRETE TO RESIST EROSION.

REVISIONS				 moffatt & nichol ENGINEER OF RECORD: LARRY B FLOOD, P.E. FL REGISTRATION NO. 85560	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION DELEON ST. AND SWEETWATER CREEK	DRAINAGE DETAILS (2/3)		SHEET NO. 14
DATE	DESCRIPTION	DATE	DESCRIPTION					



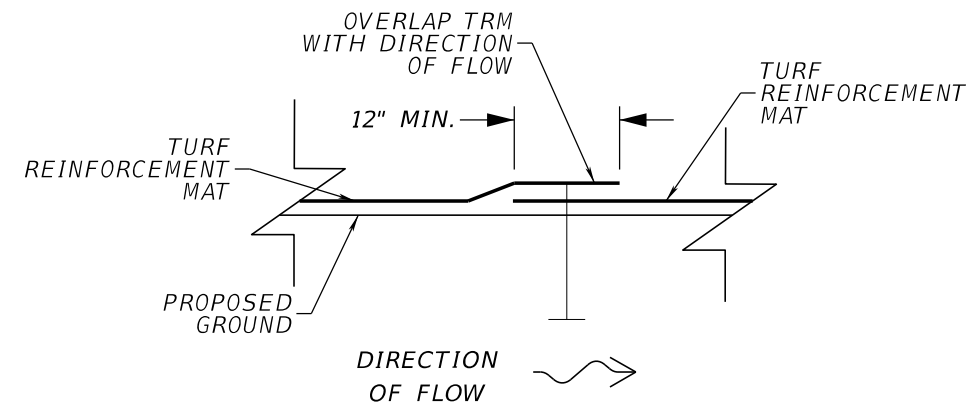
**RUBBLE RIP-RAP
TRM SLOPE DETAIL**

- NOTES:
1. INSTALL TURF REINFORCEMENT MAT IN ACCORDANCE WITH SECTION 571 AND MANUFACTURER INSTRUCTIONS.
 2. INSTALL MAT ANCHOR PATTERN IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
 3. TURF REINFORCEMENT MAT TO BE ARMORMAX 75 WITH ANCHORS OR APPROVED EQUAL.




**TURF REINFORCEMENT MAT
PLAN VIEW**

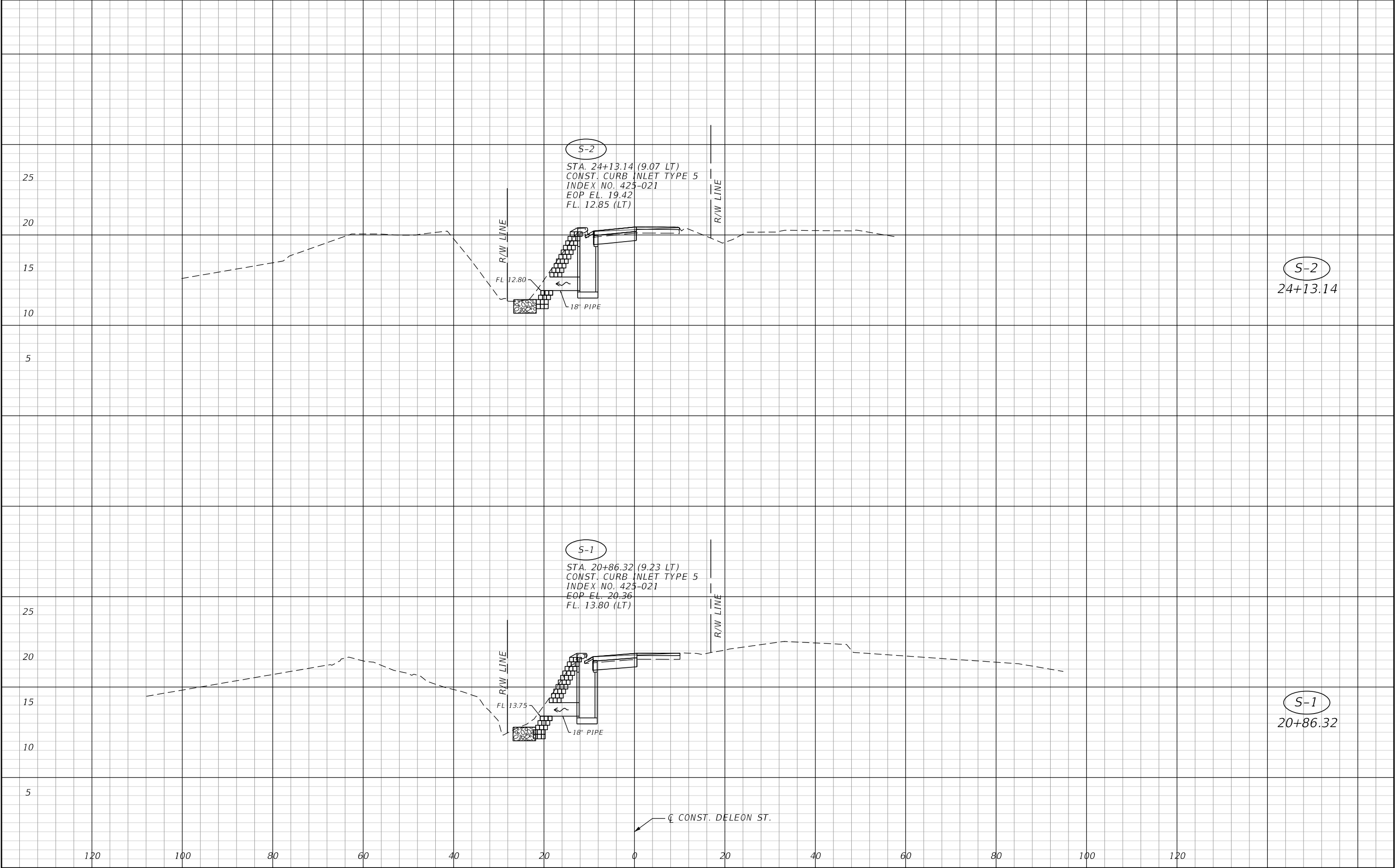
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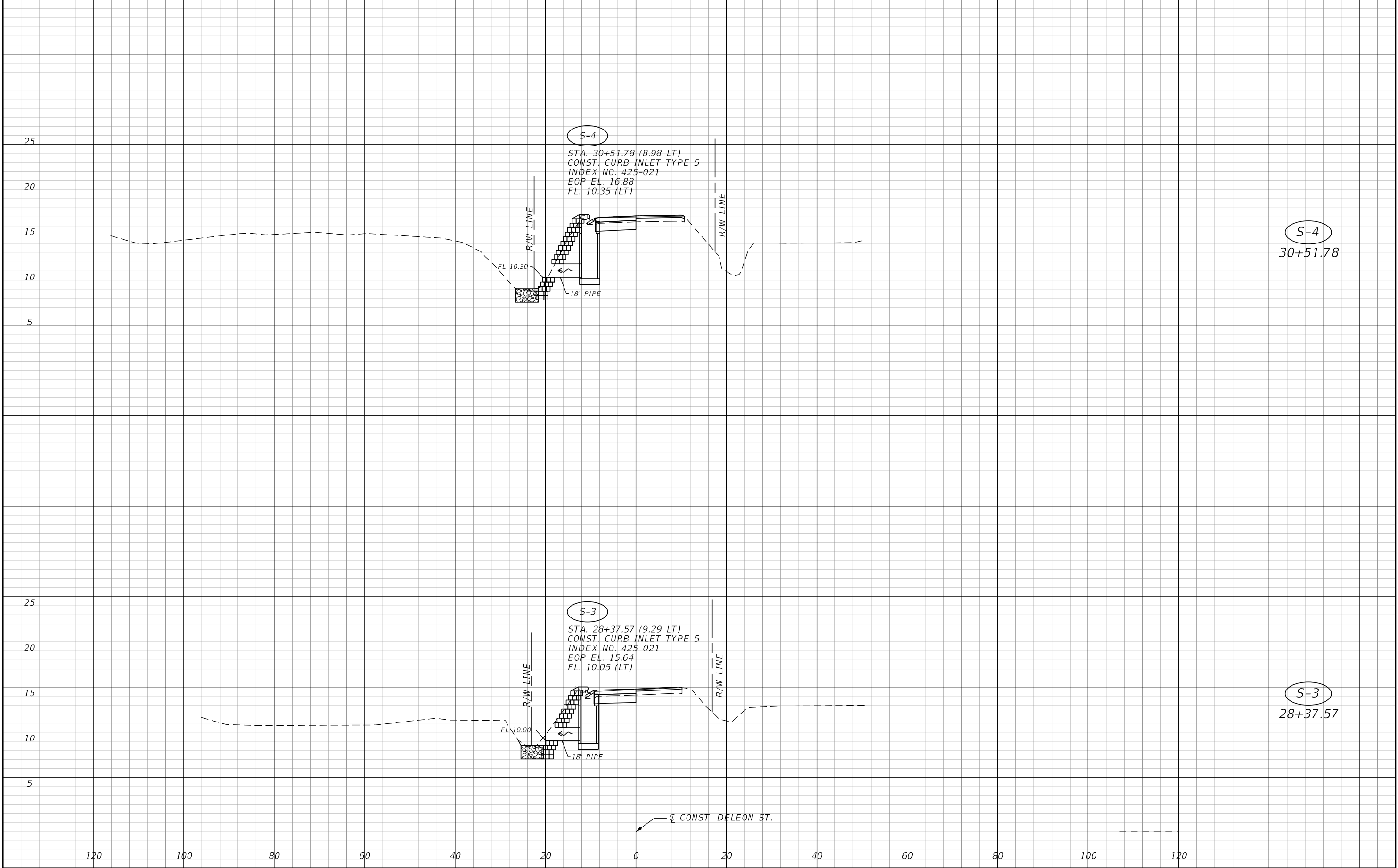
**TURF REINFORCEMENT MAT
CONNECTION DETAIL
CROSS SECTION A-A**


N.T.S

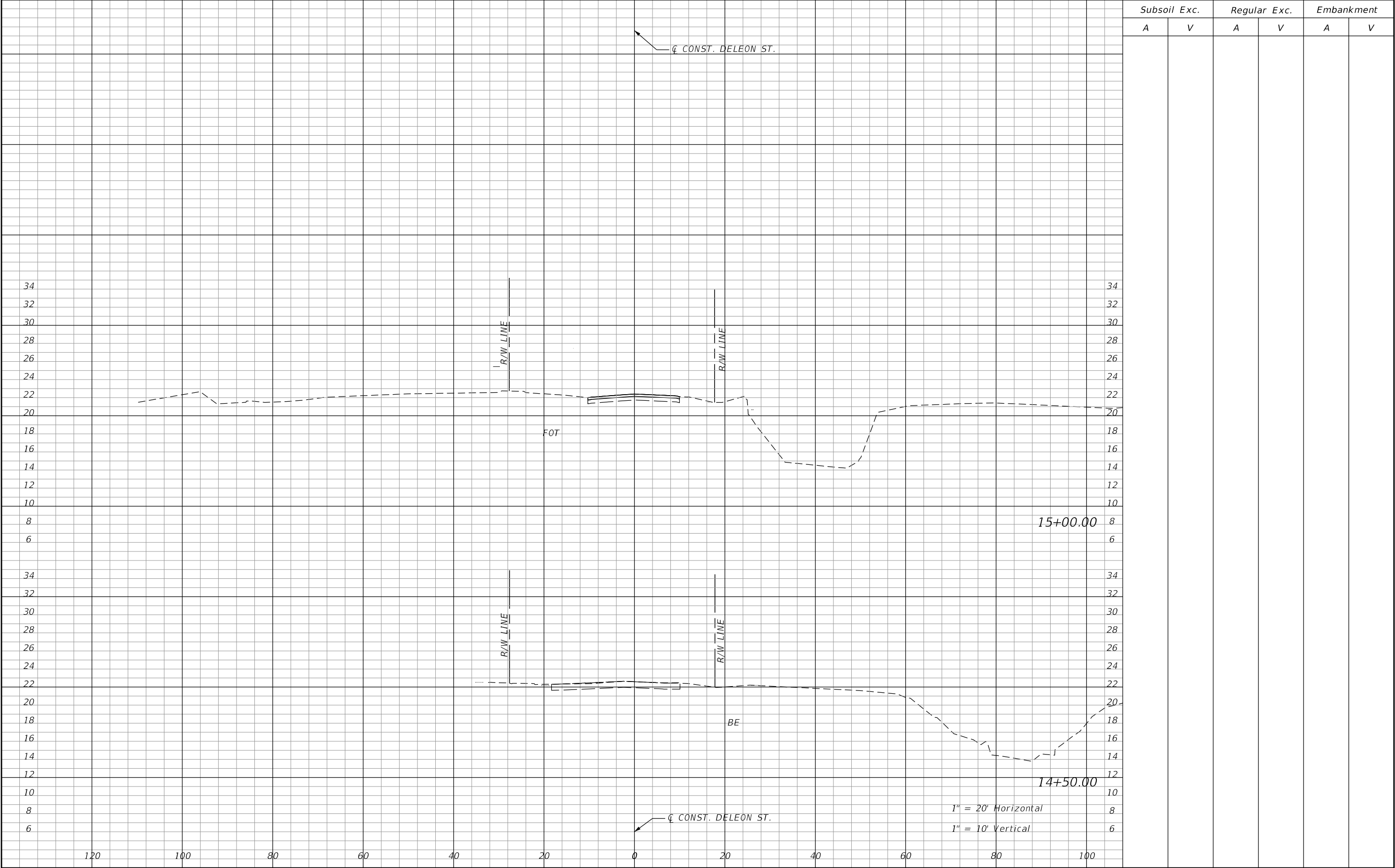
REVISIONS				 moffatt & nichol ENGINEER OF RECORD: LARRY B FLOOD, P.E. FL REGISTRATION NO. 85560	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION DELEON ST. AND SWEETWATER CREEK	DRAINAGE DETAILS (3/3)	SHEET NO. 15
DATE	DESCRIPTION	DATE	DESCRIPTION				




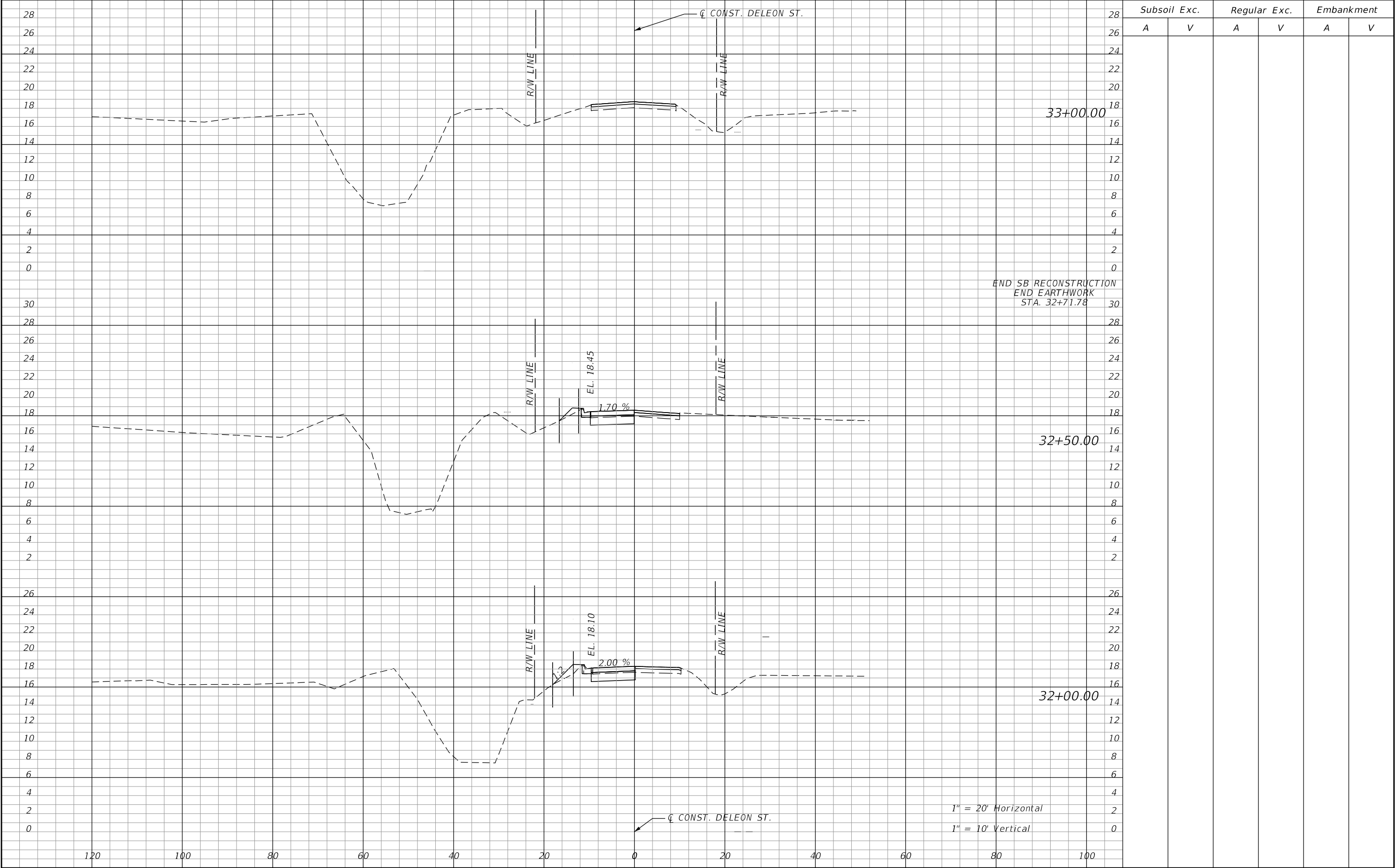
REVISIONS				 moffatt & nichol ENGINEER OF RECORD: LARRY B FLOOD, P.E. FL REGISTRATION NO. 85560	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT DEPARTMENT OF TRANSPORTATION DELEON ST. AND SWEETWATER CREEK	DRAINAGE STRUCTURES		SHEET NO. 16
DATE	DESCRIPTION	DATE	DESCRIPTION					




REVISIONS				 moffatt & nichol ENGINEER OF RECORD: LARRY B FLOOD, P.E. FL REGISTRATION NO. 85560	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT DEPARTMENT OF TRANSPORTATION DELEON ST. AND SWEETWATER CREEK	DRAINAGE STRUCTURES		SHEET NO. 17
DATE	DESCRIPTION	DATE	DESCRIPTION					



REVISIONS				<div> moffatt & nichol ENGINEER OF RECORD: REBECCA M. DAVIS, P.E. FL REGISTRATION NO. 69131</div>	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT DEPARTMENT OF TRANSPORTATION DELEON ST. AND SWEETWATER CREEK	CROSS SECTIONS		SHEET NO. 18
DATE	DESCRIPTION	DATE	DESCRIPTION					



REVISIONS				<div> moffatt & nichol ENGINEER OF RECORD: REBECCA M. DAVIS, P.E. FL REGISTRATION NO. 69131</div>	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT DEPARTMENT OF TRANSPORTATION DELEON ST. AND SWEETWATER CREEK	CROSS SECTIONS	SHEET NO. 34
DATE	DESCRIPTION	DATE	DESCRIPTION				

THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE FIRST SHEET OF THE CONSTRUCTION PLANS (CALLED THE KEY SHEET) CONTAINS AN INDEX TO THE OTHER SHEETS. THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN INCLUDES SEVERAL ITEMS: THIS NARRATIVE DESCRIPTION, THE DOCUMENTS REFERENCED IN THIS NARRATIVE, THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN REQUIRED BY FDOT SPECIFICATION SECTION 104, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

I. SITE DESCRIPTION:

- (1) NATURE OF CONSTRUCTION ACTIVITY:

i. ROADWAY RECONSTRUCTION AND EROSION REPAIR ALONG DELEON ST FROM SWEETWATER CREEK CROSSING TO SOUTH OF HOWARD AVE IN SEMINOLE COUNTY.
- (2) SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES: IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS THE CONTRACTOR PROPOSES A DIFFERENT SEQUENCE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER. FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

- i. INSTALLATION OF EROSION CONTROL DEVICES
- ii. CLEARING AND GRUBBING
- iii. CONSTRUCTION OF ROADWAY RECONSTRUCTION, DRAINAGE STRUCTURES, GEOWEB WALL, AND MILLING AND RESURFACING
- iv. FINAL SOD/SEED

(3) GENERAL NOTES

- i. ALL EROSION AND SEDIMENT CONTROL DEVICES FOR EACH PHASE OF WORK ARE TO BE INSTALLED PRIOR TO BEGINNING WORK ON THAT PHASE.
- ii. INSTALL EROSION AND SEDIMENT CONTROL DEVICES WHERE LISTED IN THE CONTRACTOR'S APPROVED EROSION AND SEDIMENT CONTROL PLAN FOR PERIMETER CONTROLS BEFORE THE LAND IS DISTURBED.
- iii. PROVIDE SEDIMENT BARRIERS WHERE LISTED IN THE CONTRACTOR'S APPROVED EROSION AND SEDIMENT CONTROL PLAN FOR DITCH/SWALE CHECK DAMS DURING CONSTRUCTION.
- iv. PROVIDE INLET PROTECTION SYSTEMS AT INLET OPENINGS.
- v. COVER OR STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE.
- vi. DO NOT DISTURB AN AREA UNTIL IT IS NECESSARY FOR CONSTRUCTION TO PROCEED.
- vii. TIME CONSTRUCTION ACTIVITIES TO LIMIT IMPACT FROM SEASONAL CLIMATE CHANGES OR WEATHER EVENTS.
- viii. DO NOT REMOVE PERIMETER CONTROLS UNTIL ALL UPSTREAM AREAS ARE FULLY STABILIZED AND PERMANENT VEGETATION IS ESTABLISHED.

(4)PROJECT AREAS:

TOTAL SITE AREA: 3.60 ACRES
TOTAL AREA TO BE DISTURBED: 3.60 ACRES

(5)ESTIMATED RUNOFF COEFFICIENTS EXISTING SOIL DATA:

DELEON ST. SWEETWATER CREEK
ESTIMATED RUNOFF COEFFICIENTS:
BEFORE CONSTRUCTION: 0.65
DURING CONSTRUCTION: 0.65
AFTER CONSTRUCTION: 0.65

(6) DESCRIPTION OF SOIL OR QUALITY OF DISCHARGE: THE PREDOMINANT SOILS ARE POORLY DRAINED FINE SANDS.

(7) ESTIMATED DRAINAGE FLOW DIRECTION AND AVERAGE SLOPE OF DRAINAGE AREA FOR EACH OUTFALL:

- i. SITE MAP: THE CONSTRUCTION DRAWINGS WILL SERVE AS THE SITE MAP.
- ii. DRAINAGE MAP NARRATIVE: OVERALL DRAINAGE PATTERNS WILL NOT BE ALTERED FROM PRE TO POST CONDITIONS.

1. DESCRIPTION: FLOW IS CAPTURED IN SWEETWATER CREEK, THEN CONVEYED NORTH TO LAKE JESUP.

(8) RECEIVING WATERS/WETLAND AREAS: THERE IS 1 OUTFALL

- i. DESCRIPTION: SWEETWATER CREEK.
LOCATION: LATITUDE 28° 41' 47.6" N, LONGITUDE 81° 12' 32.6" W. RECEIVING WATER NAME: LAKE JESUP

(9) WETLAND AND/OR SURFACE WATER IMPACTS ARE ANTICIPATED TO OCCUR FOR THE PROPOSED IMPROVEMENTS.

(10) DESCRIPTION OF STORMWATER MANAGEMENT (EXISTING/PROPOSED):

- i. EXISTING AND PROPOSED DRAINAGE FLOWS ARE TYPICALLY CONVEYED THROUGH STORM SEWER INLETS AND PIPES, ROADSIDE DITCHES, SIDEDRAINS AND CROSS DRAINS ALONG THE PROJECT.
- ii. OFF- SITE RUNOFF SHOULD BE DIVERTED AWAY OR THROUGH THE CONSTRUCTION AREA, IF POSSIBLE. THIS ADDITIONAL FLOW, IF NOT DIVERTED, CAN ADD VOLUME AND SIZE TO STRUCTURAL PRACTICES, REQUIRING MORE FREQUENT MAINTENANCE AND LIMITING EFFECTIVENESS OF EROSION AND SEDIMENT CONTROLS.
- iii. THE CONTRACTOR WILL PROVIDE POLLUTION CONTROL BY IMPLEMENTING DUST CONTROL DURING ALL PHASES OF CONSTRUCTION. SEDIMENT CONTROL WILL BE ACCOMPLISHED BY USING STREET OR VACUUM SWEEPERS.
- iv. THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO PREVENT UNAUTHORIZED MATERIALS FROM ENTERING WETLANDS, WATERWAYS, OTHER SURFACE WATERS OR WATERS OF THE U.S.


II. CONTROLS: SEDIMENT AND EROSION CONTROLS

(1) WATER QUALITY MONITORING:

- i. WATER QUALITY MONITORING SHALL BE CONDUCTED IN ACCORDANCE WITH THE SPECIAL CONDITIONS OF ANY ENVIRONMENTAL PERMIT OR BY THE CONTRACTOR UPON THE OBSERVATION THAT WATER QUALITY STANDARDS MAY BE VIOLATED BY THE CONTRACTOR'S ACTIVITIES. MONITORING LOCATIONS MAY BE SPECIFIED IN THE ENVIRONMENTAL PERMIT OR MAY BE DESIGNATED BY THE CONTRACTOR AND APPROVED BY THE PROJECT ADMINISTRATOR.
- ii. THE PROJECT ADMINISTRATOR WILL BE RESPONSIBLE FOR MONITORING ANY ACTIVITIES FOR VIOLATION OF WATER QUALITY STANDARDS AS THEY RELATE TO TURBIDITY. NO GREATER THAN 29 NEPHELOMETRIC TURBIDITY UNITS (NTU) ABOVE BACKGROUND OR GREATER THAN 0 NTU ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OFW'S.
- iii. IF WATER QUALITY STANDARDS ARE VIOLATED, CONSTRUCTION SHALL BE STOPPED IMMEDIATELY, THE ENVIRONMENTAL PERMIT CONDITIONS FOLLOWED AND EROSION AND SEDIMENT CONTROL DEVICES REEVALUATED AND APPROVED BY THE ENGINEER PRIOR TO ANY CONTINUATION OF ACTIVITY. MONITORING ACTIVITIES AND TURBIDITY READINGS SHALL BE RECORDED ON THE CONSTRUCTION INSPECTION REPORT AND CONTINUED UNTIL TURBIDITY READINGS FALL BELOW AN ACCEPTABLE LEVEL (LESS THAN 29 NTU ABOVE BACKGROUND OR LESS THAN 0 NTU ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OFW'S.
- iv. WATER QUALITY MONITORING MAY BE CONDUCTED DURING ANY PHASE OF CONSTRUCTION AS DIRECTED BY THE PROJECT ENGINEER.

(2) STABILIZATION PRACTICES:

- i. STABILIZATION MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO MAINTAINING, ESTABLISHING AND USING VEGETATION, APPLYING MULCHES, SODDING, SEEDING BEST MANAGEMENT PRACTICES (BMP) AND THE USE OF ROLLED EROSION CONTROL PRODUCTS. WHEN CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, SIDE SLOPES SHALL BE STABILIZED WITH PERFORMANCE SODDING OR SEEDING OR ANY OTHER APPROVED METHOD OF STABILIZATION INCLUDED IN THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEW MANUAL (E&SC MANUAL).
- ii. STABILIZATION SHALL TAKE PLACE AS SOON AS PRACTICAL IN PORTIONS OF THE PROJECT WHERE CONSTRUCTION ACTIVITIES HAVE CEASED, BUT NO LATER THAN 7 DAYS AFTER ANY CONSTRUCTION ACTIVITY CEASES EITHER TEMPORARILY OR PERMANENTLY.
- iii. ALL EROSION CONTROL DEVICES SHALL BE INSTALLED ACCORDING TO THE CONTRACT DOCUMENTS AND THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN.
- iv. ANY TEMPORARY MATERIAL USED FOR POLLUTION OR EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT AND FINAL STABILIZATION OF THE PROJECT HAS BEEN ACHIEVED.
- v. SEDIMENT BARRIERS SHOULD BE USED ALONG THE LENGTH OF THE PROJECT WHERE THE GROUND SLOPES AWAY FROM THE RIGHT OF WAY OR WHERE THERE IS POTENTIAL FOR SEDIMENT TO BE DIRECTED OFF- SITE. PARTICULAR CARE SHOULD BE USED WHEN THERE IS POTENTIAL FOR SEDIMENT TO BE DIRECTED OFF- SITE. PARTICULAR CARE SHOULD BE USED WHEN THERE ARE WETLANDS OR WATERS OF THE U.S. ARE INVOLVED. SEDIMENT BARRIERS SHOULD BE USED AROUND THE PERIMETER OF STOCKPILE AREAS.
- vi. SPACING OF SEDIMENT BARRIERS USED AS DITCH OR SWALE CHECKS/DAMS SHOULD BE BASED UPON THE HEIGHT OF THE BARRIER AND THE SLOPE OF THE DITCH OR SWALE.
- vii. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFYING SOIL TRACKING PREVENTION SYSTEMS OR PROCEDURES AS NEEDED.

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DATE	DESCRIPTION	DATE	DESCRIPTION		DELEON ST. AND SWEETWATER CREEK		
							35

IV. MAINTENANCE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REPAIRS OF ALL EROSION AND SEDIMENT CONTROL DEVICES THROUGHOUT THE DURATION OF CONSTRUCTION ACTIVITES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL OF SEDIMENT BUILDUP THROUGH THE LIFE OF THE INSTALLED EROSION AND SEDIMENT CONTROL DEVICES.


- (1) ALL CONTROL MEASURES WILL BE MAINTAINED DAILY BY THE CONTRACTOR AND ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. ANY DAMAGES TO SEDIMENT AND EROSION CONTROL ITEMS WILL BE CORRECTED IMMEDIATELY.
- (2) SODDING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
- (3) SYNTHETIC BALES SHALL BE MAINTAINED TO ENSURE THEIR USEFULNESS AND NOT BLOCK OR IMPEDE STORMWATER FLOW OR DRAINAGE.
- (4) STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED TO PREVENT CLOGGING OF ROCK BEDDING WHICH MAY IMPEDE THE USEFULNESS OF THE STRUCTURE.

V. INSPECTION:

- (1) THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD DAILY RAINFALL IN ACCORDANCE WITH THE NPDES PERMIT.
- (2) ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED WEEKLY BY CONTRACTOR'S PERSONNEL WHO ARE FDEP CERTIFIED STORMWATER MANAGEMENT INSPECTORS.
- (3) THE CONTRACTOR SHALL COMPLETE ALL SWPPP INSPECTION REPORT FORMS REQUIRED FOR THE NPDES PERMIT.
- (4) ALL EROSION AND CONTROL DEVICES WILL BE INSPECTED WITHIN 24 HOURS OF A RAINFALL EVENT THAT IS 0.5 INCHES OR GREATER.

VI. TRACKING AND REPORTING:

- (1) THE CONTRACTOR SHALL SUBMIT A WEEKLY REPORT TO THE COUNTY DOCUMENTING THE DAILY INSPECTIONS AND MAINTENANCE OR REPAIRS TO THE EROSION AND SEDIMENT CONTROL DEVICES. THE CONTRACTOR SHALL MAINTAIN ALL REQUIRED REPORTS AND COMPLETE ALL SWPPP INSPECTION FORMS.
- (2) PREPARATION OF ALL THE CONTRACTOR'S REPORTS OF INSPECTION, MAINTENANCE AND REPAIRS REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE INDIVIDUAL COSTS OF THE EROSION AND SEDIMENT CONTROL DEVICES OR LUMP SUM COST OF THE PROJECT.
- (3) THE CONTRACTOR SHALL USE THE SWPPP CONSTRUCTION INSPECTION REPORT FORM #650-040-03 FOR DAILY INSPECTIONS.

REVISIONS				<div> moffatt & nichol ENGINEER OF RECORD: LARRY B FLOOD, P.E. FL REGISTRATION NO. 85560</div>	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	STORMWATER POLLUTION PREVENTION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		DELEON ST. AND SWEETWATER CREEK		37

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TRAFFIC CONTROL PLAN GENERAL NOTES:

1.

MAINTAIN THE POSTED SPEED LIMITS DURING CONSTRUCTION.
STA. 14+70.89 TO STA 19+00.00 25 MPH
STA. 19+00.00 TO STA 33+20.00 35 MPH
2.

THERE ARE NO LANE CLOSURE RESTRICTIONS .
3.

LANE CLOSURES ARE PERMITTED DURING ACTIVE WORK PERIODS ONLY.
4.

A PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT ONE WEEK PRIOR TO IMPLEMENTING ANY LANE CLOSURES. THE PCMS SHALL BE PLACED IN A LOCATION APPROVED BY THE ENGINEER. THE DISPLAYS ARE AS FOLLOWS.
- DISPLAY 1: EXPECT
LANE
CLOSURES
- DISPLAY 2: MM/DD
TO
MM/DD
5.

THE CONTRACTOR SHALL UTILIZE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) DURING ALL LANE CLOSURES. THE PCMS SHALL BE PLACED APPROXIMATELY 500 TO 800 FT. IN ADVANCE OF THE FIRST WORK ZONE SIGN IN A LOCATION APPROVED BY THE ENGINEER. THE DISPLAY IS AS FOLLOWS.
- DISPLAY 1: RIGHT/LEFT
LANE
CLOSED
- DISPLAY 2: MERGE
LEFT/RIGHT
6.

AT LEAST ONE LANE OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES.
7.

VEHICULAR AND PEDESTRIAN TRAFFIC SHALL BE MAINTAINED IN ACCORDING WITH FDOT DESIGN STANDARD PLANS 102-600 SERIES, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS A MINIMUM.
8.

COMPLETE ROAD CLOSURE WHILE MAINTAINING LOCAL ACCESS IS PERMITTED DURING ROADWAY RECONSTRUCTION.

PHASE NOTES:

- PHASE 1:

THE INTENT OF THIS PHASE IS TO CONSTRUCT GEOWEB WALL , WIDENING AND RECONSTRUCTION PER THE PLANS.

1.

PLACE ADVANCED WARNING SIGNS, TRAFFIC CONTROL DEVICES, AND OTHER WORK ZONE SIGNS PER INDEX 102-613, 102-615 AND THE DETOUR PLAN.

2.

CONSTRUCT PROPOSED GEOWEB WALL , WIDENING AND RECONSTRUCTION.

PHASE 2:

THE INTENT OF THIS PHASE IS TO MILL AND RESURFACE THE TRAVEL LANES.

1.

PLACE ADVANCED WARNING SIGNS, TRAFFIC CONTROL DEVICES, AND OTHER WORK ZONE SIGNS PER INDEX 102-613, 102-615.


2.

MILL AND RESURFACE PAVEMENT.

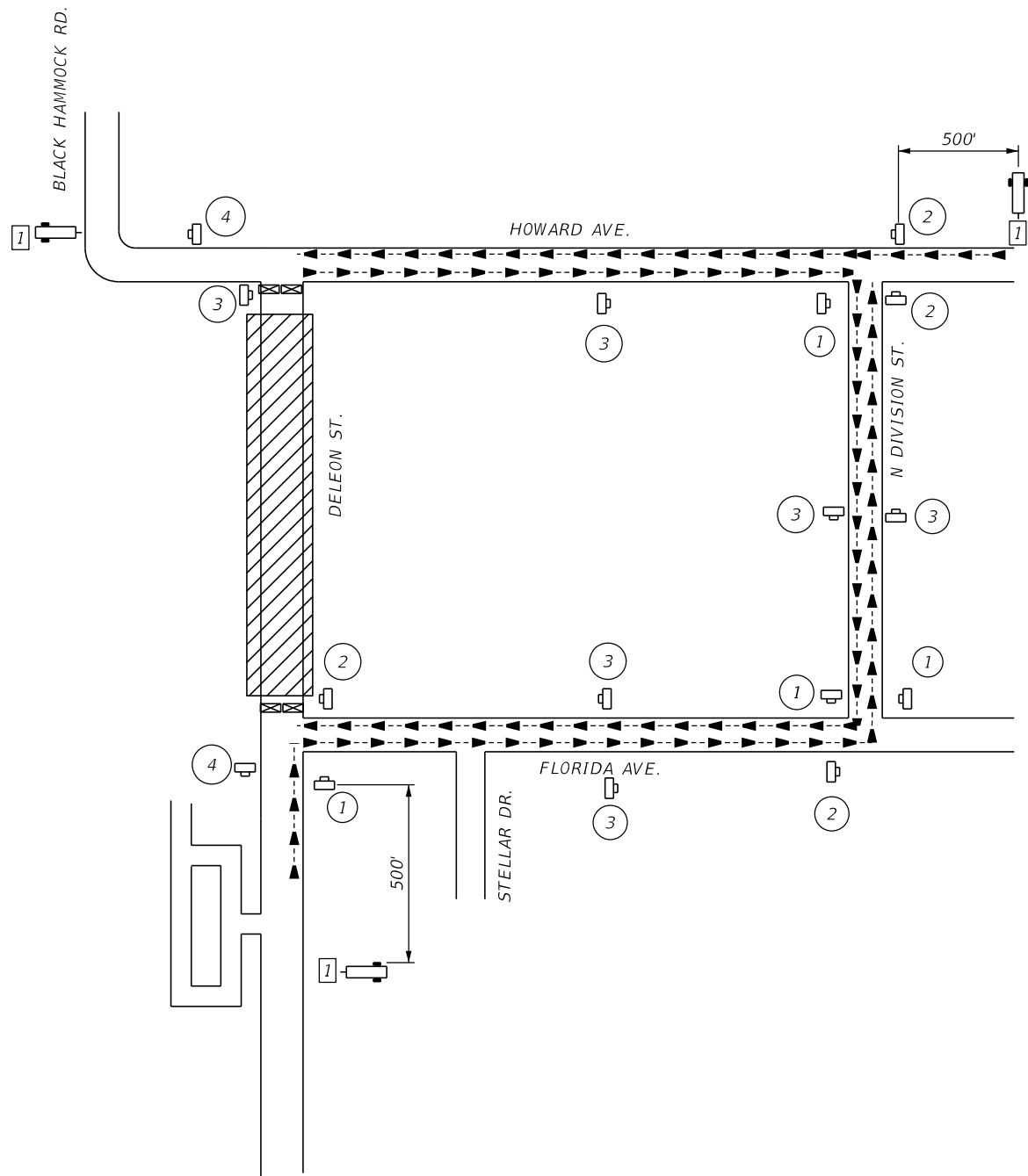
3.

PLACE FRICTION COURSE.

4.

APPLY PERMANENT STRIPING AND SIGNS.
- The diagram illustrates a side street intersection with a main road. The main road has two travel lanes, one in each direction, indicated by arrows. The side street crosses the main road. On the side street, there is a 'STOP' sign and a 'ROAD WORK AHEAD' sign. A 200-foot distance is marked between the stop sign and the work area. The diagram is labeled 'TYPICAL TRAFFIC CONTROL SIGNAGE FOR SIDE STREETS'.
- | REVISIONS | | | | <div>
moffatt & nichol
ENGINEER OF RECORD:
REBECCA M DAVIS, P.E.
FL REGISTRATION NO. 69131</div> | SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION | TEMPORARY TRAFFIC
CONTROL PLAN | SHEET
NO. |
|-----------|-------------|------|-------------|---|---|-----------------------------------|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | | | |
| | | | | 38 | | | |
- jdoerr2/16/2024 9:06:55 AM DefaultQ:\ORL\210416-04\20 CADD\DeLeon_Sweetwater_Active\Roadway\TCGNRD01.dgn

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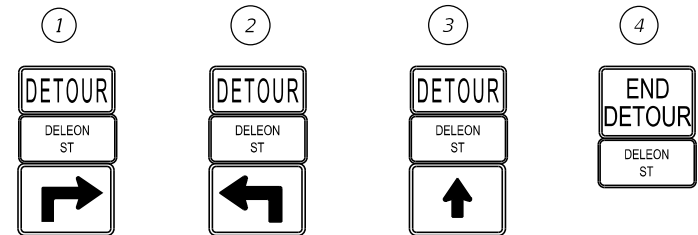


DETOUR NOTES:

1. THIS DETOUR IS NOT TO BE SET UP IN CONFLICT WITH ANY OTHER DETOUR PLAN.
2. SIGNS 1 & 2 ARE TO BE PLACED 200' PRIOR TO DETOUR INTERSECTION. SIGN 3 IS TO BE PLACED 500' AFTER DETOUR INTERSECTION AND EVERY 1/2 MILE BETWEEN INTERSECTIONS.
3. LOCATIONS INDICATED IN THE PLANS FOR TYPE III BARRICADES ARE TO HAVE A MINIMUM OF 1 BARRICADE PER TRAVEL LANE.
4. DETOUR SIGNS SHALL BE IN PLACE AND APPROVED BY ENGINEER 48-HRS PRIOR TO USE OF DETOUR
5. PCMS 1 SHALL BE PLACED AS SHOWN ON THIS SHEET TWO WEEK PRIOR TO IMPLEMENTING DETOUR. THE DISPLAYS ARE AS FOLLOWS:


MESSAGE 1: DELEON ST TO CLOSE
MESSAGE 2: MM/DD/YY
6. PCMS 1 SHALL BE PLACED AS SHOWN ON THIS SHEET DURING DETOUR. THE DISPLAYS ARE AS FOLLOWS.

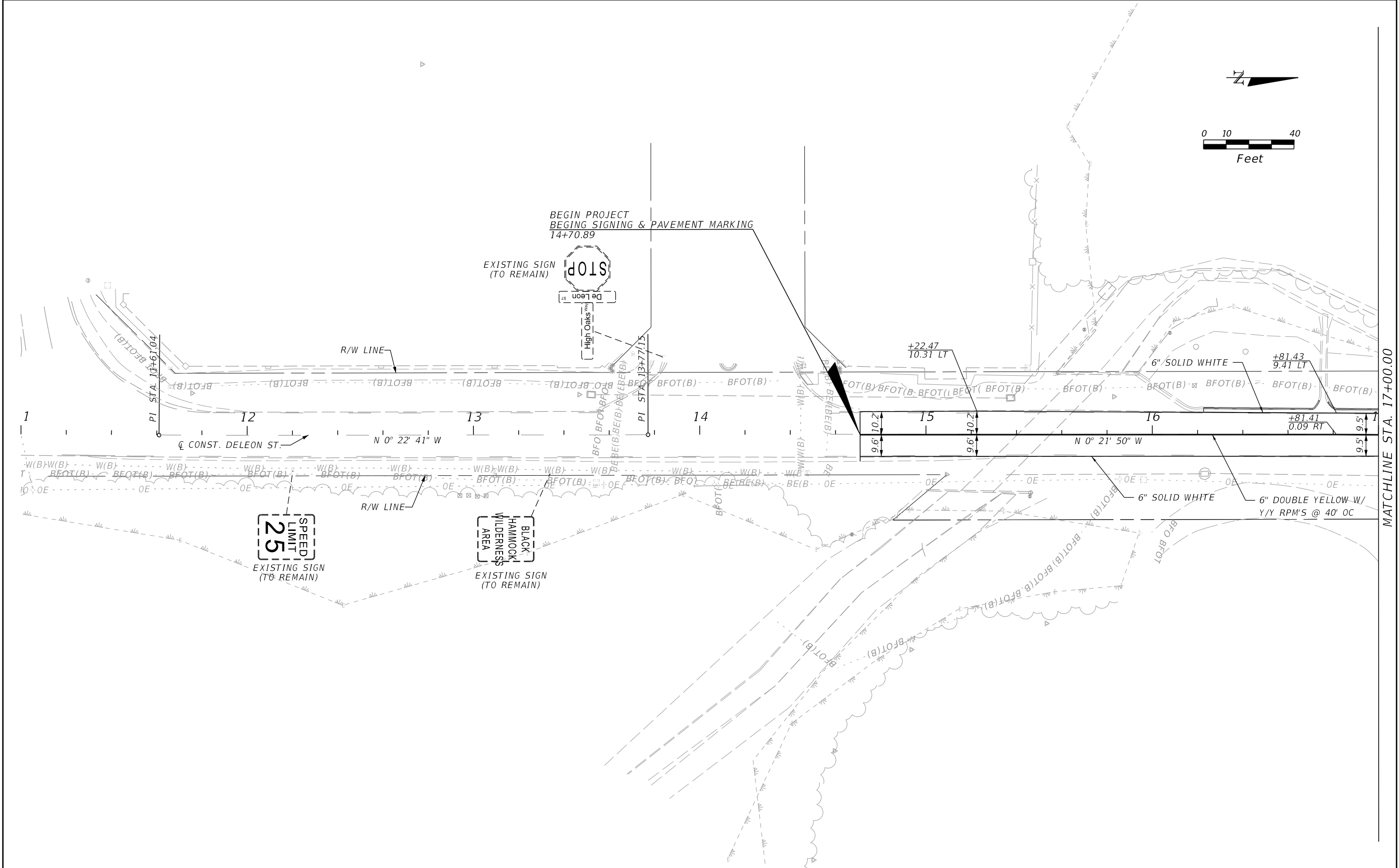
MESSAGE 1: DELEON ST CLOSED
MESSAGE 2: FOLLOW DETOUR




- Work Area
- Type III Barricade
- Work Zone Sign
- Portable Changeable (Variable) Message Sign
- Detour Path

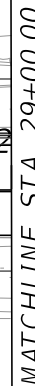
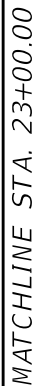
DETOUR PLAN - DELEON ST.

REVISIONS				 moffatt & nichol ENGINEER OF RECORD: REBECCA M DAVIS, P.E. FL REGISTRATION NO. 69131	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION DELEON ST. AND SWEETWATER CREEK	TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				
							39



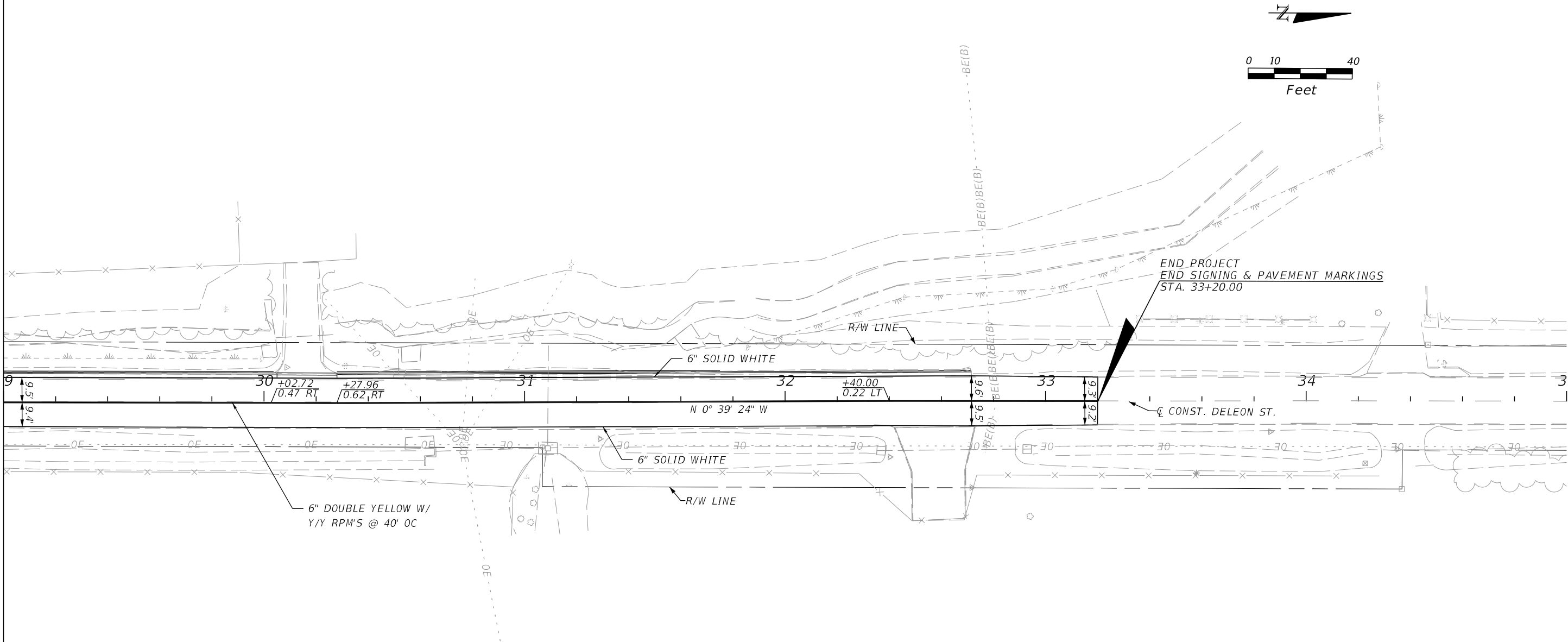
REVISIONS				<div> moffatt & nichol ENGINEER OF RECORD: REBECCA M. DAVIS, P.E. FL REGISTRATION NO. 69131</div>	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION DELEON ST. AND SWEETWATER CREEK	SIGNING & PAVEMENT MARKING PLAN	SHEET NO. 40
DATE	DESCRIPTION	DATE	DESCRIPTION				


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



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MATCHLINE STA. 29+00.00




REVISIONS				<div> moffatt & nichol ENGINEER OF RECORD: REBECCA M. DAVIS, P.E. FL REGISTRATION NO. 69131</div>	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION DELEON ST. AND SWEETWATER CREEK	SIGNING & PAVEMENT MARKING PLAN	SHEET NO. 43
DATE	DESCRIPTION	DATE	DESCRIPTION				

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

SUMMARY OF LUMP SUM ITEMS					
PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
0101 1	MOBILIZATION	1			
0102 1	MAINTENANCE OF TRAFFIC	1			

SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS												
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				AREA (AC)	P	F	P	F		
0110 1 1	CLEARING AND GRUBBING	14+70.89 to 33+20.00	LT/RT	9838	LS	2.100	1.0		1			
0110 4 10	REMOVAL OF EXISTING CONCRETEE	16+22.68 to 32+71.51	LT	9171	SY		364.5		365			

REVISIONS				<div> moffatt & nichol ENGINEER OF RECORD: REBECCA M DAVIS, P.E. FL REGISTRATION NO. 69131</div>	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				
					DELEON ST. AND SWEETWATER CREEK		SQ-1

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

SUMMARY OF PAVEMENT


[illegible]

SUMMARY OF EARTHWORK

PAY ITEM NO.	PAY ITEM DESCRIPTION	CY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
0120-001-000	REGULAR EXCAVATION	6028.92			
0120-006-000	EMBANKMENT	23.89			


SUMMARY OF MISCELLANEOUS DRAINAGE ITEMS

[illegible]

REVISIONS				 moffatt & nichol ENGINEER OF RECORD: REBECCA M DAVIS, P.E. FL REGISTRATION NO. 69131	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				SQ-2

SUMMARY OF REVETMENT											
LOCATION	SIDE	LENGTH	WIDTH	GEOWEB WALL		BEDDING STONE		RIPRAP - RUBBLE (DITCH LINING)		DESIGN NOTES	CONSTRUCTION REMARKS
				0530 1 6A		0530 74		0530 3 4			
				SF		TN		TN			
				P	F	P	F	P	F		
18+04.13 to 21+07.60	LT	303.5		2579.50							
21+42.18 to 22+15.81	LT	73.6		589.04							
22+38.66 to 25+03.74	LT	265.1		1988.10							
25+43.23 to 30+03.68	LT	460.5		3683.60							
30+28.02 to 31+75.00	LT	147.0		1249.33							
16+77.40 to 17+84.32	LT	106.9				33.84					
20+86.32 to 20+86.32	LT					0.72					
24+13.14 to 24+13.14	LT					0.72					
28+37.57 to 28+37.57	LT					0.72					
30+51.78 to 30+51.78	LT					0.72					
16+77.40 to 17+84.32	LT	106.9						157.00			
20+86.32 to 20+86.32	LT							2.00			
24+13.14 to 24+13.14	LT							2.00			
28+37.57 to 28+37.57	LT							2.00			
30+51.78 to 30+51.78	LT							2.00			
SUB-TOTAL :				10089.57		36.72		165.00			
TOTAL :				10089.57		36.72		165.00			


SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS														
PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNIT	QUANTITY					TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				GROSS LENGTH	DEDUCTIONS		NET LENGTH		P	F		
							TYPE	LENGTH	P	F				
0520 1 10	Concrete Curb & Gutter, Type F	16+22.68 to 16+73.96	LT		LF	53.3			53.3		1648			
		16+77.69 to 21+08.53	LT			432.2			432.2					
		21+08.53 to 21+41.52	LT			33.0			33.0					
		21+41.52 to 22+17.68	LT			76.2			76.2					
		22+17.68 to 22+38.23	LT			20.5			20.5					
		22+38.67 to 25+03.74	LT			265.1			265.1					
		25+03.74 to 25+42.62	LT			38.9			38.9					
		25+42.63 to 30+05.01	LT			462.4			462.4					
		30+05.01 to 30+28.02	LT			23.0			23.0					
		30+28.02 to 32+71.41	LT			243.4			243.4					

REVISIONS				<div> moffatt & nichol ENGINEER OF RECORD: REBECCA M DAVIS, P.E. FL REGISTRATION NO. 69131</div>	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		DELEON ST. AND SWEETWATER CREEK		SQ-3

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

SUMMARY OF PERFORMANCE TURF												
LOCATION	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SEED)		PERFORMANCE TURF (SOD)		PLASTIC EROSION MAT		DESIGN NOTES	CONSTRUCTION REMARKS
					0570	1 1	0570	1 2	0571	1 AB		
					SY		SY		SY			
STA. TO STA.					P	F	P	F	P	F		
14+70.56 to 14+81.12	RT		10.6		14.1							
16+77.40 to 17+84.32	LT		106.9		237.6							
31+75.00 to 32+71.73	LT		96.7		107.5							
14+70.56 to 14+81.12	RT		10.6						14.1			
16+77.40 to 17+84.32	LT		106.9						237.6			
31+75.00 to 32+71.73	LT		96.7						107.5			
14+70.89 to 16+12.24	LT	4052					43.2					
14+70.89 to 16+12.24	LT	4052					43.2					
14+70.89 to 17+59.88	RT	4128					97.2					
14+70.89 to 17+59.88	RT	4128					97.2					
16+22.68 to 16+70.53	LT	4057					26.6					
16+22.68 to 16+70.53	LT	4057					26.6					
16+78.13 to 18+19.91	LT	4062					76.7					
17+86.37 to 17+91.22	RT	4071					5.2					
17+86.37 to 17+91.22	RT	4071					5.2					
17+88.65 to 18+19.66	RT	4113					11.7					
17+88.65 to 18+19.66	RT	4113					11.7					
18+19.65 to 21+94.60	RT	4077					114.6					
18+19.65 to 21+94.60	RT	4077					114.6					
22+13.12 to 22+88.41	RT	4082					23.0					
22+13.12 to 22+88.41	RT	4082					23.0					
23+07.23 to 24+33.95	RT	4087					38.7					
23+07.23 to 24+33.95	RT	4087					38.7					
25+40.27 to 26+61.92	RT	4092					37.2					
25+40.27 to 26+61.92	RT	4092					37.2					
26+91.80 to 32+41.95	RT	4097					168.1					
26+91.80 to 32+41.95	RT	4097					168.1					
31+75.00 to 33+20.05	LT	4102					69.9					
32+71.39 to 33+20.05	LT	4102					16.4					
SUB-TOTAL :					359.2		1294.0		359.2			
TOTAL :					359		1294		359			

TABULATION OF QUANTITIES														
PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS								TOTAL THIS SHEET		GRAND TOTAL	
			40		41		42		43					
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
0700-001-111	SINGLE POST SIGN, F&I	AS					1				1		1	
0700-001-500	SINGLE POST SIGN, REMOVE	AS			2		1				3		3	
0700-001-600	SINGLE POST SIGN, RELOCATE	AS			2		1				3		3	
0706-001-003	RAISED PAVEMENT MARKER, TYPE B	EA	10		13		13		13		49		49.00	
0711-011-121	THERMOPLASTIC, STANDARD, WHITE, SOLID, 6"	LF	458		1231		1200		840		3729		3729.00	
0711-011-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF			13						13		13.00	
0711-011-221	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 6"	LF	458		1085		1200		520		3263		3263.00	

REVISIONS				<div> moffatt & nichol ENGINEER OF RECORD: REBECCA M DAVIS, P.E. FL REGISTRATION NO. 69131</div>	SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				
					DELEON ST. AND SWEETWATER CREEK		SQ-4