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D1-D4	STANDARD DETAILS	4
TOTAL		30



PROPOSED PLANS FOR GEORGETOWN COUNTY

PLOVER DRIVE PAVING IMPROVEMENTS

Hydraulic Design Reference for these plans is the:
2009
Edition of SCDOT's "Requirements for Hydraulic Design Studies"

Design Reference for these plans is the:
2021
SCDOT Roadway Design Manual

NPDES PERMIT INFORMATION

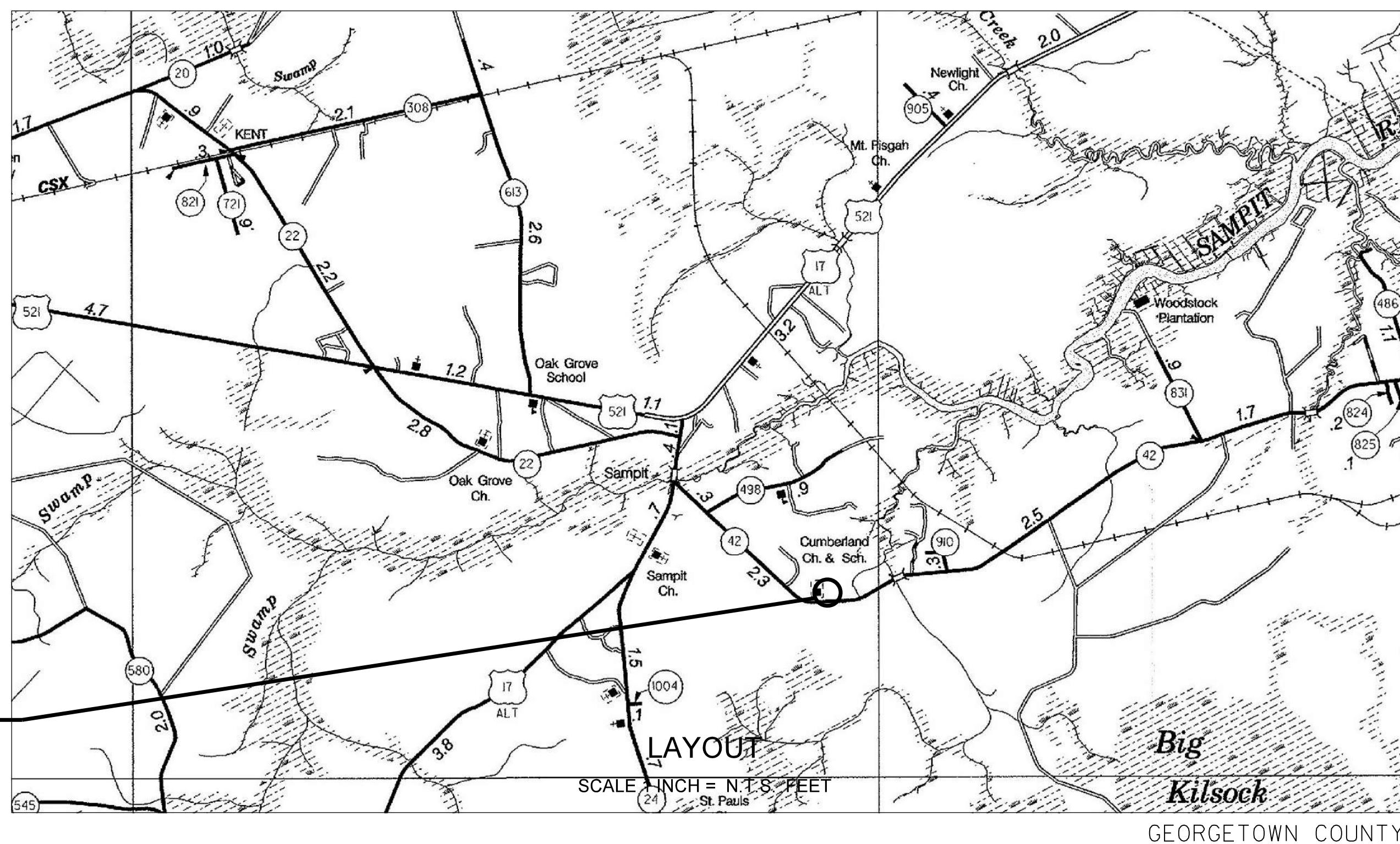
Disturbed Area = 1.1 Acre(s)
Project Area = 1.7 Acre(s)

Approximate Location of Roadway is

Begin
Latitude 33°20'54" N
Longitude 79°26'21" W

End
Latitude 33°21'17" N
Longitude 79°26'17" W

Hydraulic and NPDES Design provided by:
Stantec Consulting



PLOVER DRIVE
BEGIN CONSTRUCTION STA. 10+14.00
END CONSTRUCTION STA. 23+75.10

	PLOVER DRIVE	TOTAL
NET LENGTH OF ROADWAY	0.25	0.25 MILES
NET LENGTH OF BRIDGES	0.000	0.000 MILES
NET LENGTH OF PROJECT	0.25	0.25 MILES
LENGTH OF EXCEPTIONS	0.000	0.000 MILES
GROSS LENGTH OF PROJECT	0.25	0.25 MILES

EQUALITIES IN STATIONING
NONE

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2007 EDITION) AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

3 DAYS BEFORE DIGGING IN
SOUTH CAROLINA
CALL 811
SOUTH CAROLINA 811 (SC811)
www.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

RAILROAD INVOLVEMENT?
YES / NO

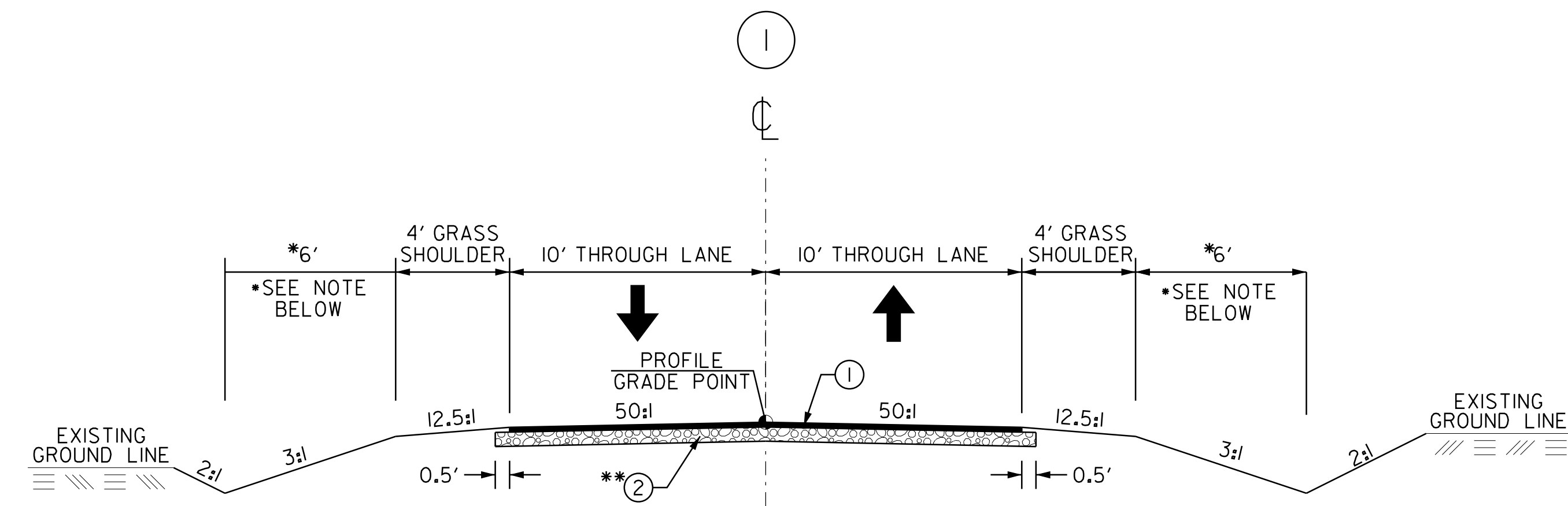
CONSULTING ENGINEERING FIRM

Stantec
Stantec Consulting Services
4969 Centre Pointe Drive, Suite 200
North Charleston, SC 29418
Tel: 843.740.7700
Fax: 843.740.7707
www.stantec.com

ENGINEER OF RECORD

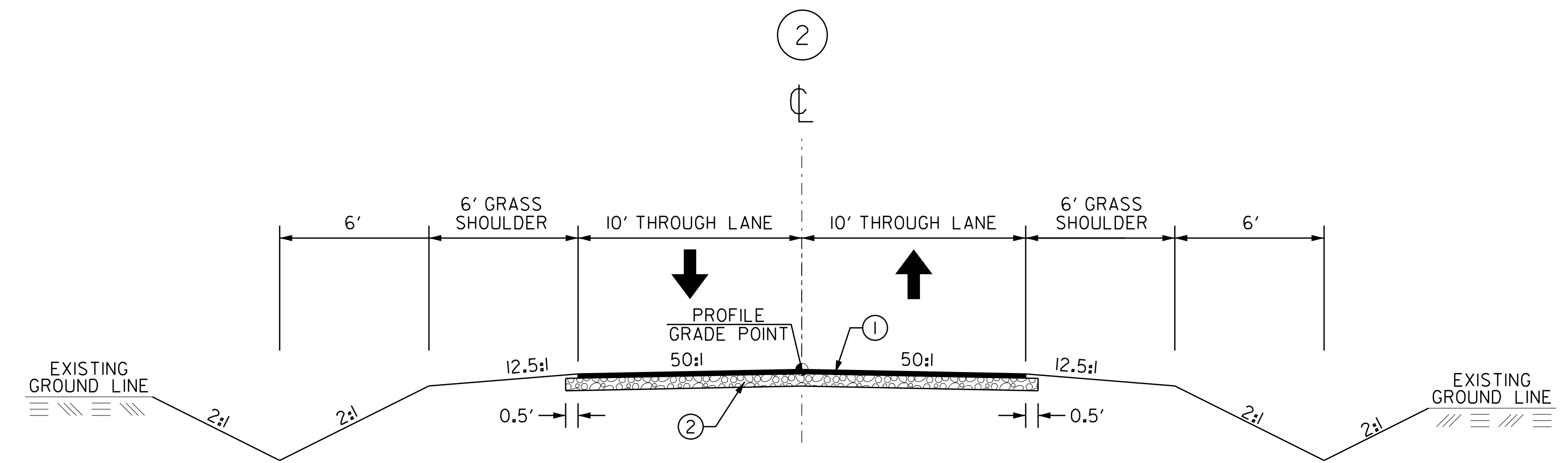
FOR CONSTRUCTION: DTM 11/07/2022
DATE

TYPICAL SECTION OF IMPROVEMENT FOR PLOVER DRIVE



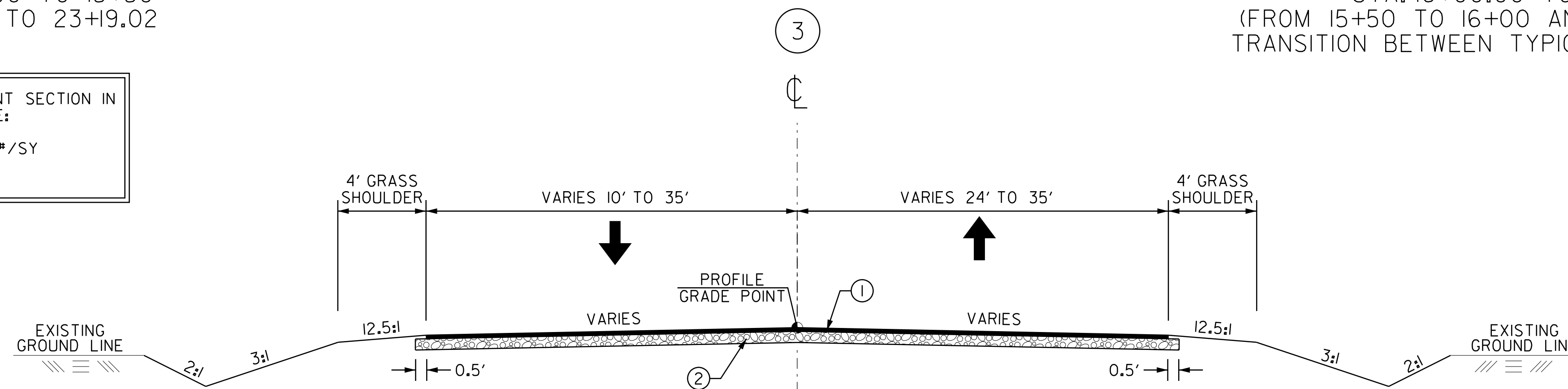
•NOTE: FOR LEFT AND RIGHTSIDE USE 7' DITCH OFFSET FROM 15+00 TO 15+50 AND 17+00 TO 17+50. TRANSITION FROM 6' DITCH OFFSET FROM 14+50 TO 15+00 AND FROM 17+50 TO 18+00.

USE THIS SECTION:
PLOVER DRIVE
STA. 10+14.00 TO 15+50
STA. 17+00 TO 23+19.02



USE THIS SECTION:
PLOVER DRIVE
STA. 16+00.00 TO 16+50.00
(FROM 15+50 TO 16+00 AND 16+50 TO 17+00
TRANSITION BETWEEN TYPICAL SECTION 1 TO 2)

**WITHIN THE SCDOT R/W USED THE FOLLOWING PAVEMENT SECTION IN PLACE OF #2 - 8" GRADED AGGREGATE BASE COURSE:
H/M ASPHALT CONCRETE INTERMEDIATE COURSE 200 #/SY
H/M ASPHALT BASE COURSE 450 #/SY



USE THIS SECTION:
PLOVER DRIVE
CUL-DE-SAC
STA. 23+19.02 TO 23+75.10

LEGEND

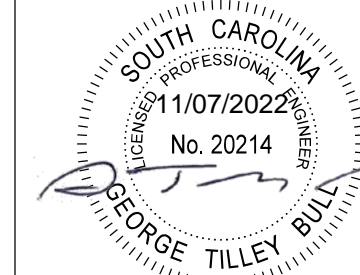
- ① ● HOT MIX ASPHALT SURFACE COURSE, TYPE "C" (200 lbs/sy)
- ② ● 8" GRADED AGGREGATE BASE COURSE

DESIGN SPEED	
ROUTE	MPH
PLOVER DRIVE	25
EXCEPTIONS TO DESIGN SPEED	

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4			
3			
2			
1	G.T.B.	6/01/22	ADDED SCDOT PAVEMENT SECTION
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.	DATE		
DWG.	DATE		GROUP
R/W	DATE		

GEORGETOWN COUNTY

GEORGETOWN COUNTY
PLOVER DRIVE
PAVING IMPROVEMENTS
TYPICAL SECTIONS

SCALE: RTE. PLOVER DRIVE

GENERAL CONSTRUCTION NOTE

THE COUNTY ENGINEER OR PUBLIC WORKS DIRECTOR MUST SPECIFICALLY AUTHORIZE CHANGES INVOLVING INCREASED COST OF THE PROJECT OR CHANGES IN ALIGNMENT.

SEE INDIVIDUAL CURVES ON REFERENCE DATA SHEET FOR SUPERELEVATION RATE AND DESIGN SPEED, AS APPLICABLE.

THE FOLLOWING QUANTITIES ARE NOT SHOWN IN DETAIL ON THE PLANS BUT ARE INCLUDED IN THE SUMMARY OF ESTIMATED QUANTITIES AND MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER.

GENERAL INCLUSIONS

ITEM	QUANTITY	UNIT	COMMENTS
MOBILIZATION	1.000	LS	PER CONTRACT DOCUMENTS
BONDS AND INSURANCE	1.000	LS	PER CONTRACT DOCUMENTS
CONSTRUCTION STAKES, LINES & GRADES	1.000	EA	PER CONTRACT DOCUMENTS
PERMANENT CONSTRUCTION SIGNS	152.000	SF	FOR TRAFFIC CONTROL
UNCLASSIFIED EXCAVATION (STRIPPING)	215.000	CY	FOR COUNTY APPROVED MUCKING AND REPLACEMENT
BORROW EXCAVATION	280.000	CY	REPLACING STRIPPED MATERIAL (ESTIMATED)
#57 STONE FOR BEDDING OF 24" RCP (INCLUDE WRAPPING STONE WITH FABRIC)	30.000	TON	STONE PIPE BEDDING 12" MINIMUM WITH FABRIC
THESE TWO QUANTITIES BELOW ARE EXCLUDED FROM THE LUMP SUM BID. SEE CONTRACT PROVISIONS.			
MUCK EXCAVATION	100.000	CY	FOR COUNTY APPROVED MUCKING AND REPLACEMENT
MAINTENACE STONE	100.000	TONS	WHERE DIRECTED BY ENGINEER / RCM

EROSION CONTROL INCLUSIONS

ITEM	QUANTITY	UNIT	COMMENTS
PERMANENT COVER	0.900	ACRE	FOR ALL DISTURBED AREAS
TEMPORARY COVER	0.900	ACRE	FOR ALL DISTURBED AREAS
FERTILIZER (NITROGEN)	90.000	LB	FOR ALL DISTURBED AREAS
FERTILIZER (PHOSPHORIC ACID)	90.000	LB	FOR ALL DISTURBED AREAS
FERTILIZER (POTASH)	90.000	LB	FOR ALL DISTURBED AREAS
AGRICULTURAL GRANULAR LIME	1800.000	LB	FOR ALL DISTURBED AREAS
MOWING	1.800	MSY	WHERE DIRECTED BY ENGINEER
SELECTIVE WATERING	53,400.000	ACRE	WHERE DIRECTED BY ENGINEER
HECP TYPE 3	1.800	ACRE	WHERE DIRECTED BY ENGINEER

PROJECT NOTES

1. PROJECT DESCRIPTION

THE PROJECT IS SITUATED IN GEORGETOWN COUNTY, SOUTH CAROLINA ON PLOVER DRIVE OFF OF PENNYROYAL ROAD (S-18-42).

MAJOR WORK ITEMS INCLUDE:
INSTALLING BASE COURSE AND PAVING AN EXISTING 1400-FOOT SLAG/GRAVEL ROAD.

2. SURVEY AND DESIGN INFORMATION

CONTROL AND SURVEYS WERE PROVIDED BY PARKER LAND SURVEYING.

3. EROSION CONTROL

EROSION CONTROL MEASURES ON THIS PROJECT SHOULD BE IMPLEMENTED AS DETAILED BY S.C.D.O.T. STANDARD DRAWINGS FOR EROSION CONTROL. SILT FENCE SHALL BE PLACED WHERE SEDIMENT LEAVES THE PROJECT LIMITS, ESPECIALLY AT THE TOE OF FILL SLOPES THAT SLOPE AWAY FROM THE PROJECT. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED BEFORE GROUND DISTURBING ACTIVITY BEGINS AND SHOULD BE MAINTAINED UNTIL FINAL STABILIZATION HAS OCCURRED.

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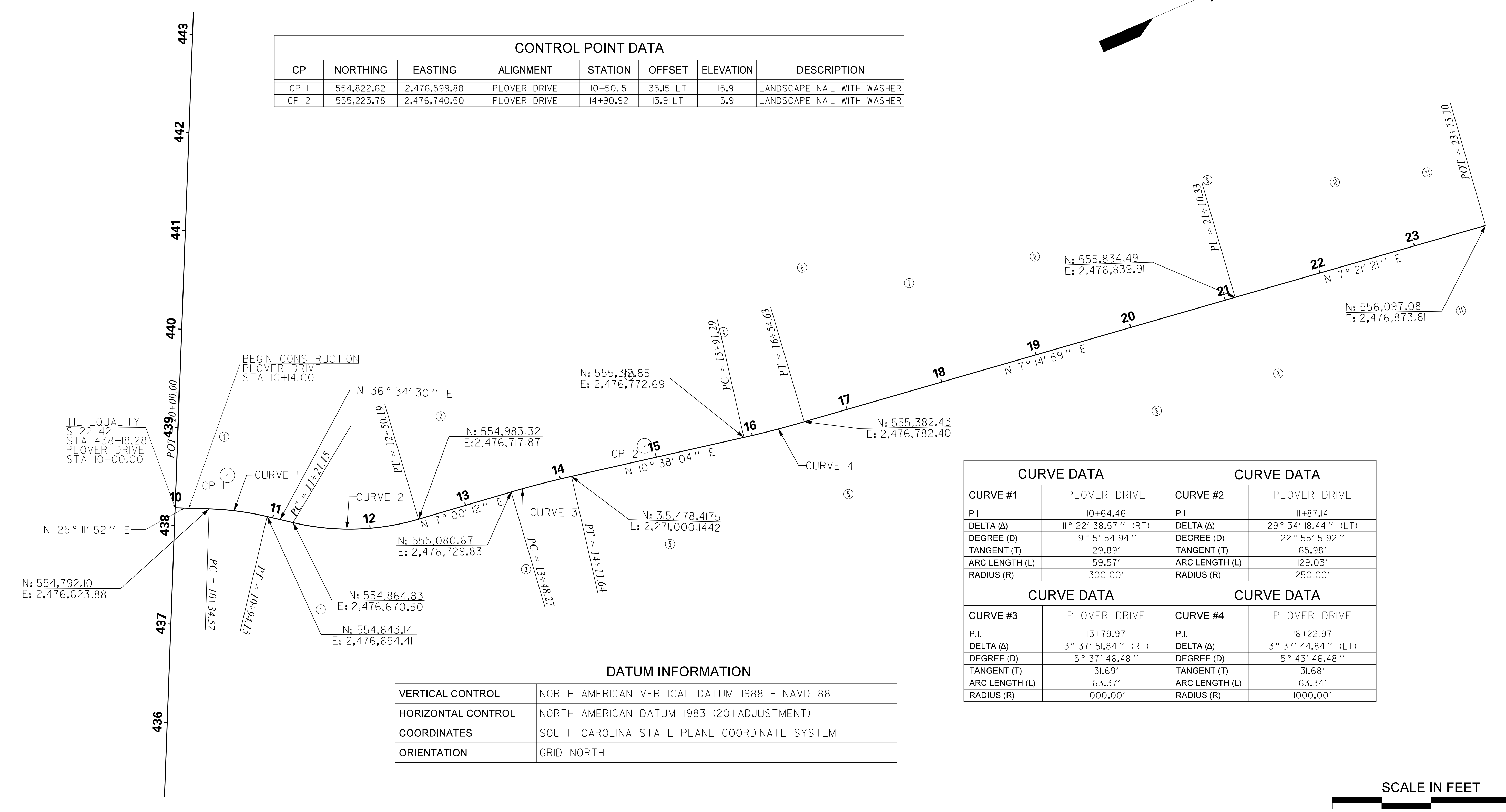
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

GEORGETOWN COUNTY
GEORGETOWN COUNTY
PLOVER DRIVE
PAVING IMPROVEMENTS
GENERAL CONSTRUCTION NOTE
SCALE: N/A RTE. PLOVER DRIVE

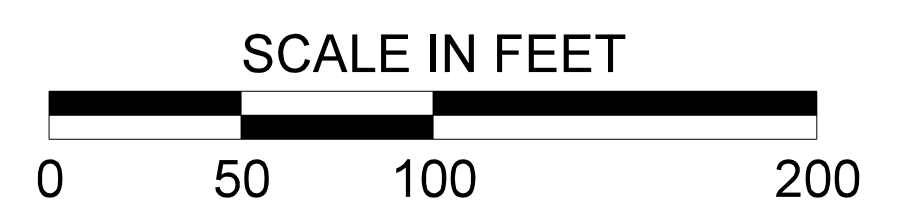
CONTROL POINT DATA							
CP	NORTHING	EASTING	ALIGNMENT	STATION	OFFSET	ELEVATION	DESCRIPTION
CP 1	554,822.62	2,476,599.88	PLOVER DRIVE	10+50.15	35.15 LT	15.91	LANDSCAPE NAIL WITH WASHER
CP 2	555,223.78	2,476,740.50	PLOVER DRIVE	14+90.92	13.91 LT	15.91	LANDSCAPE NAIL WITH WASHER



CURVE DATA		CURVE DATA	
CURVE #1	PLOVER DRIVE	CURVE #2	PLOVER DRIVE
P.I.	10+64.46	P.I.	11+87.14
DELTA (Δ)	11° 22' 38.57" (RT)	DELTA (Δ)	29° 34' 18.44" (LT)
DEGREE (D)	19° 5' 54.94"	DEGREE (D)	22° 55' 5.92"
TANGENT (T)	29.89'	TANGENT (T)	65.98'
ARC LENGTH (L)	59.57'	ARC LENGTH (L)	129.03'
RADIUS (R)	300.00'	RADIUS (R)	250.00'

CURVE DATA		CURVE DATA	
CURVE #3	PLOVER DRIVE	CURVE #4	PLOVER DRIVE
P.I.	13+79.97	P.I.	16+22.97
DELTA (Δ)	3° 37' 51.84" (RT)	DELTA (Δ)	3° 37' 44.84" (LT)
DEGREE (D)	5° 37' 46.48"	DEGREE (D)	5° 43' 46.48"
TANGENT (T)	31.69'	TANGENT (T)	31.68'
ARC LENGTH (L)	63.37'	ARC LENGTH (L)	63.34'
RADIUS (R)	1000.00'	RADIUS (R)	1000.00'

DATUM INFORMATION	
VERTICAL CONTROL	NORTH AMERICAN VERTICAL DATUM 1988 - NAVD 88
HORIZONTAL CONTROL	NORTH AMERICAN DATUM 1983 (2011 ADJUSTMENT)
COORDINATES	SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM
ORIENTATION	GRID NORTH



User: tbuli
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11/22/2022

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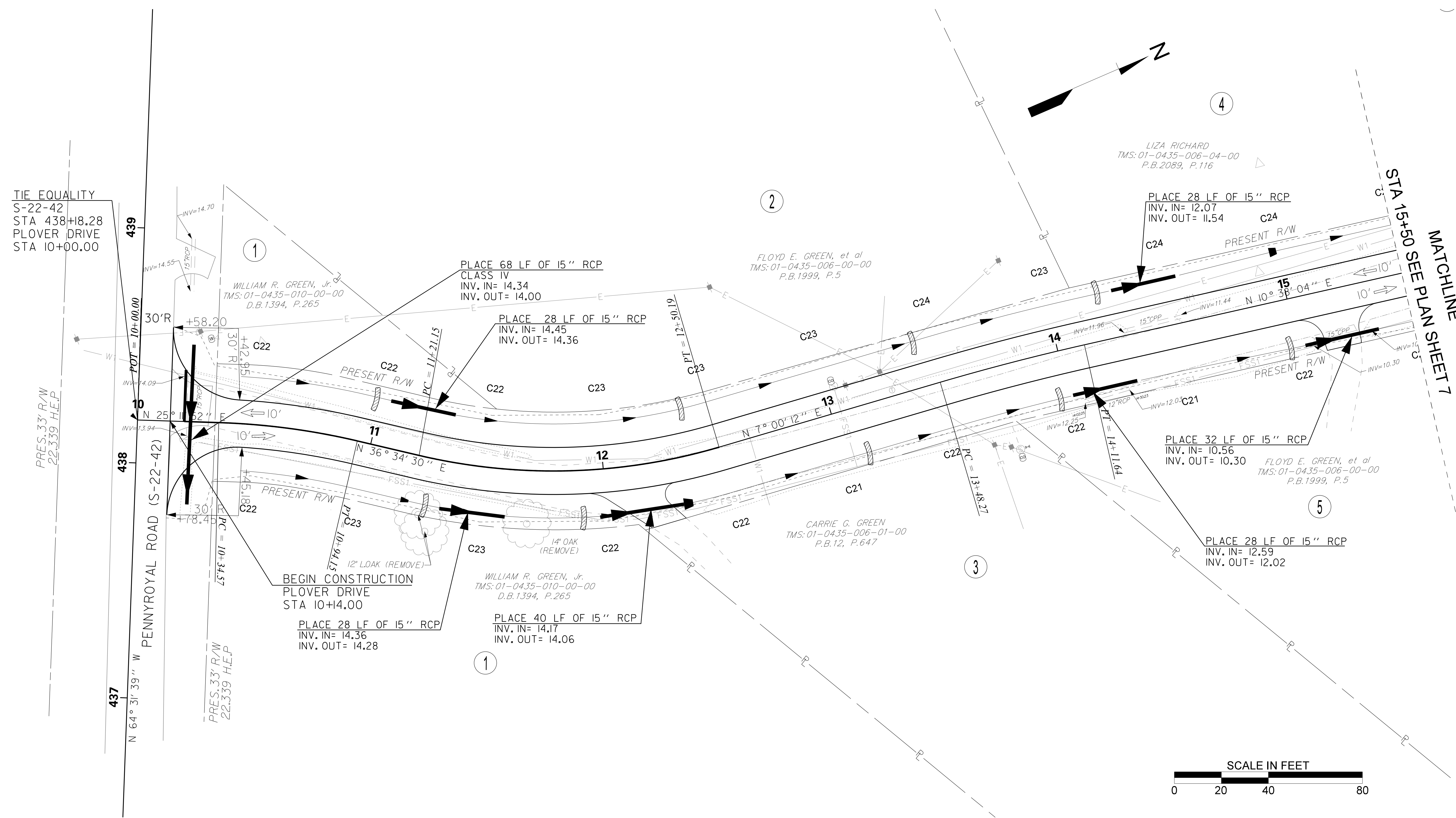


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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	GROUP
R/W		DATE	

GEORGETOWN COUNTY

GEORGETOWN COUNTY
PLOVER DRIVE
PAVING IMPROVEMENTS
SURVEY CONTROL SHEET

SCALE: 1"=50' RTE. PLOVER DRIVE



NOTES:
 I. ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE DATA SHEET.

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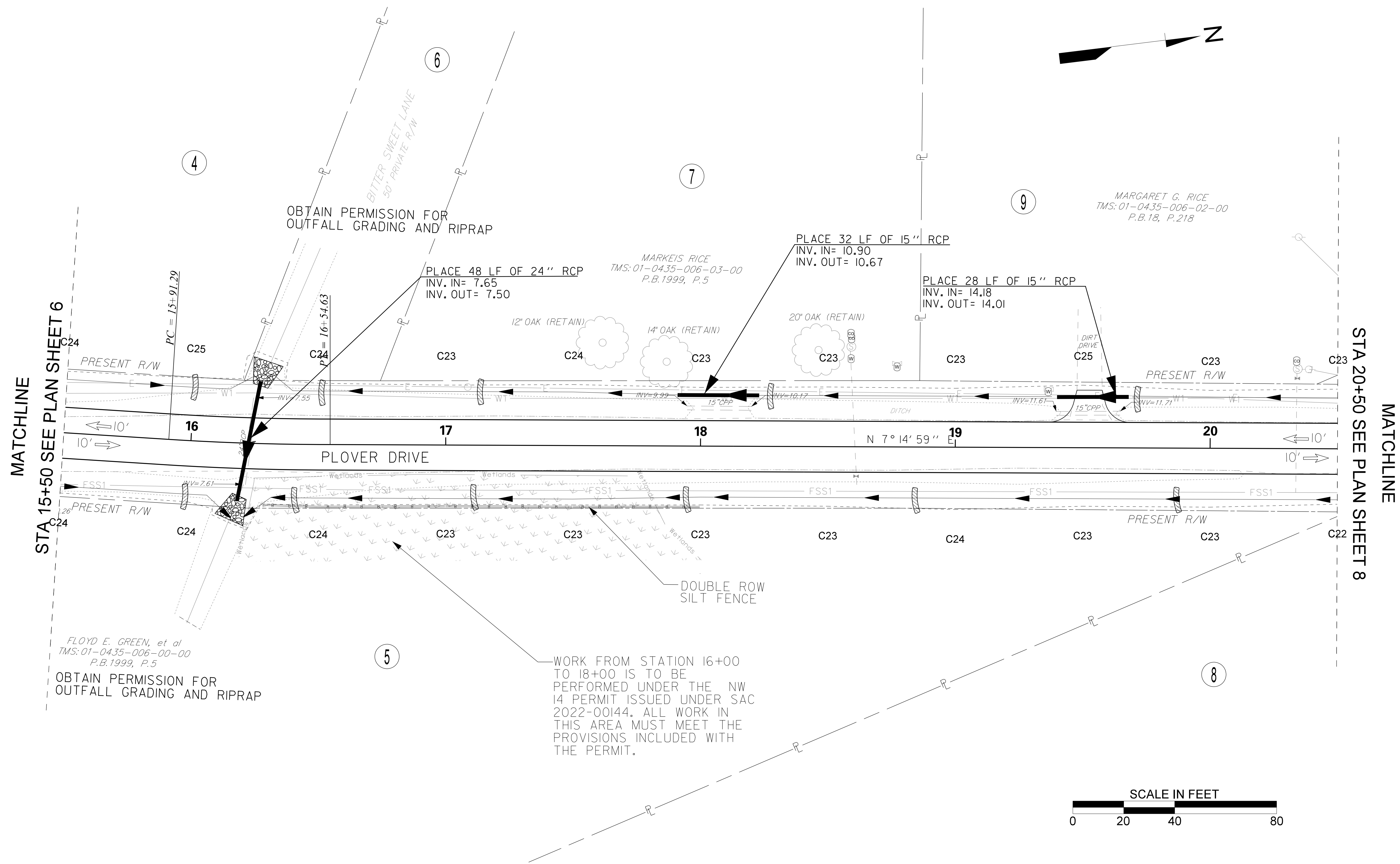
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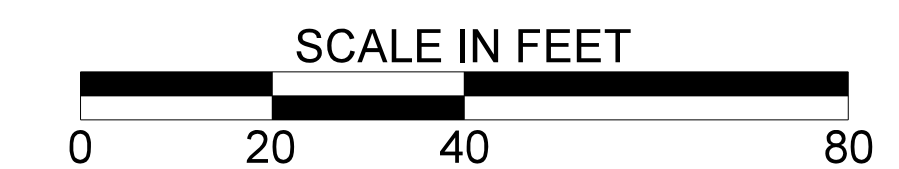
GEORGETOWN COUNTY
 GEORGETOWN COUNTY
 PLOVER DRIVE
 PAVING IMPROVEMENTS
 PLAN SHEET 6
 SCALE: 1"=20' RTE. PLOVER DRIVE

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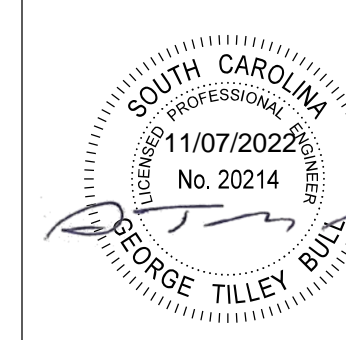
MATCHLINE
STA 15+50 SEE PLAN SHEET 6

MATCHLINE
STA 20+50 SEE PLAN SHEET 8



NOTES:
I. ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE DATA SHEET.

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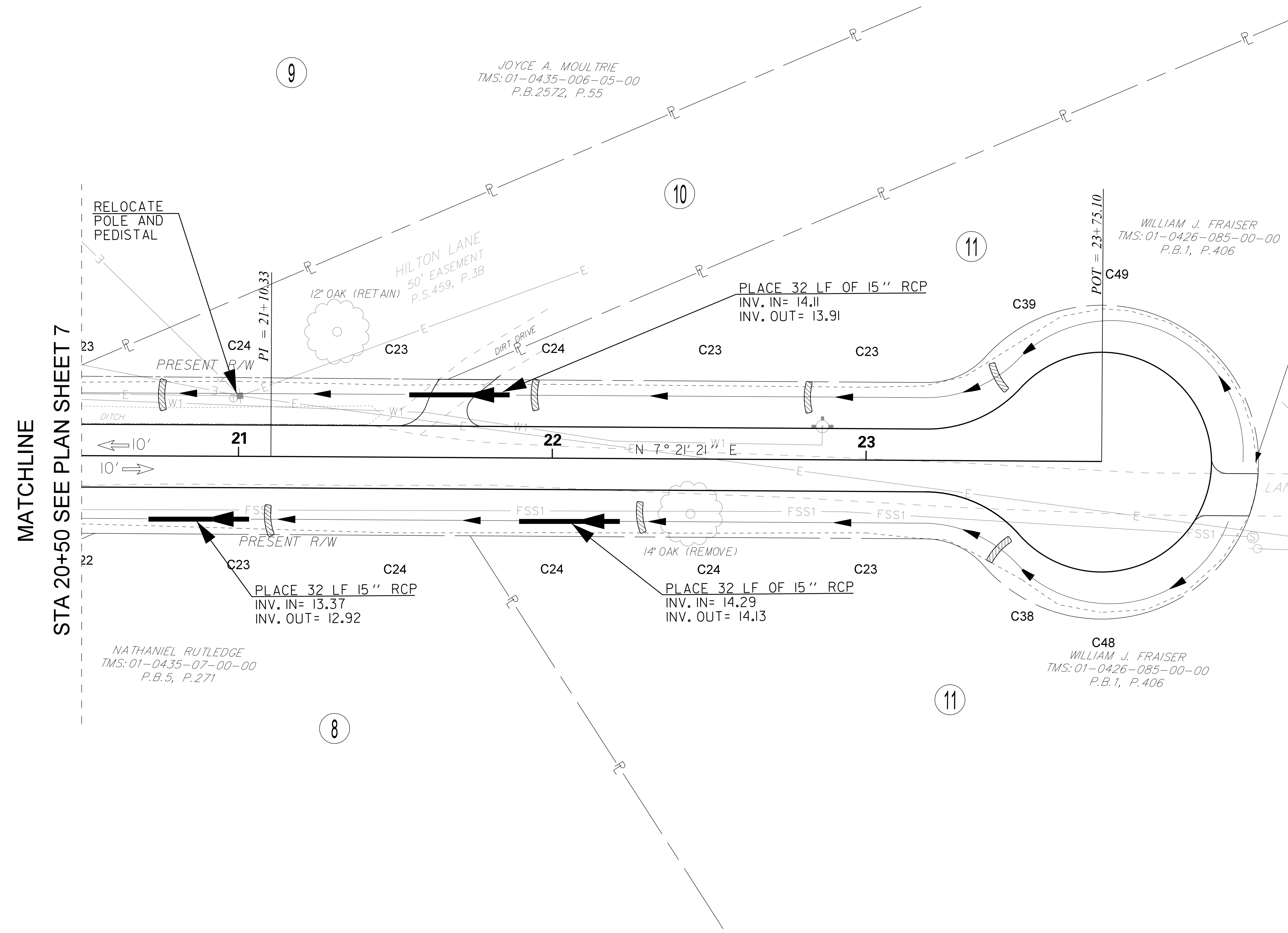
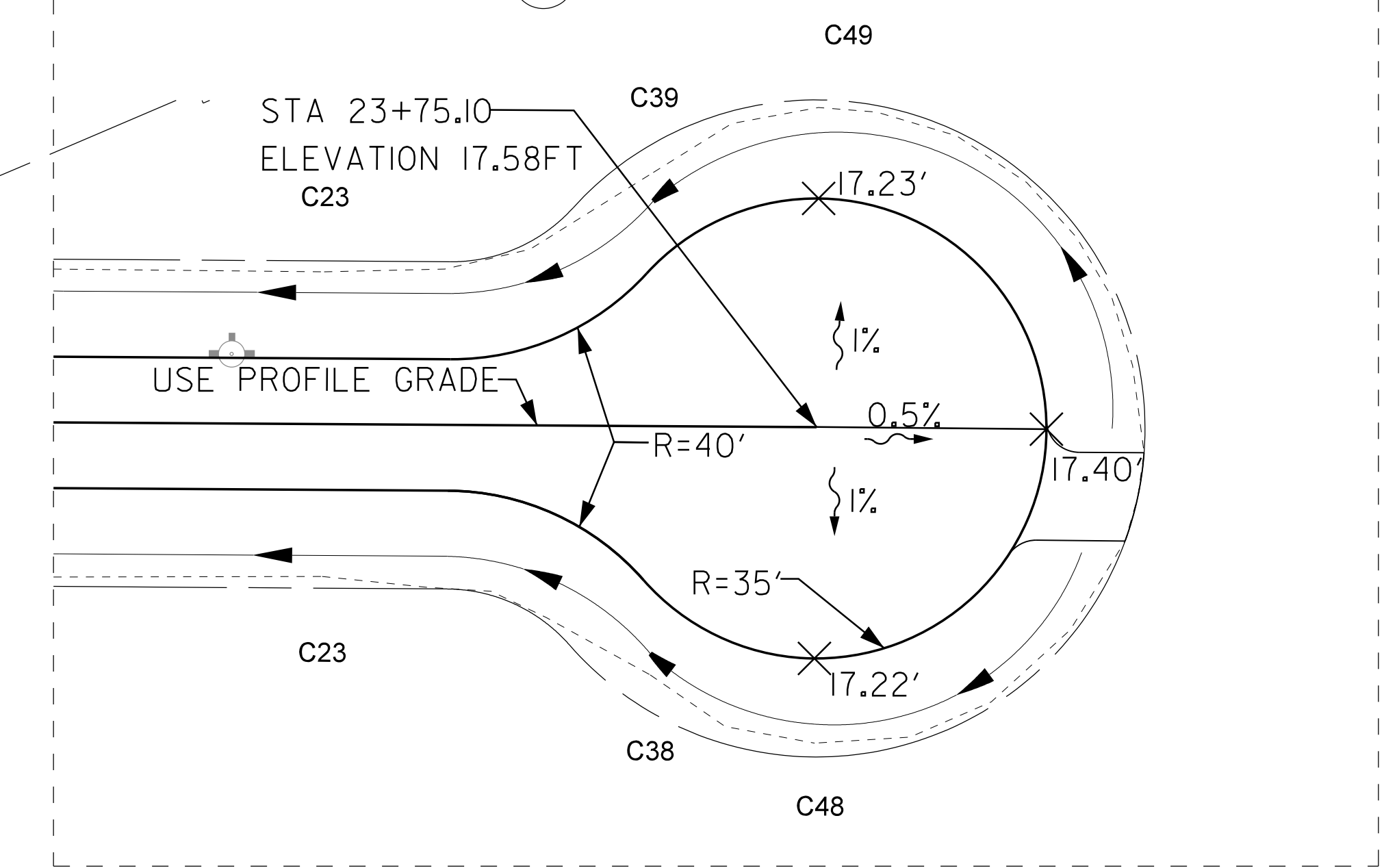


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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	GROUP
R/W		DATE	

GEORGETOWN COUNTY
GEORGETOWN COUNTY
PLOVER DRIVE
PAVING IMPROVEMENTS
SCALE: 1"=20' RTE. PLOVER DRIVE

User: tbull
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11/22/2022

CUL-DE-SAC GRADING



MATCHLINE
STA 20+50 SEE PLAN SHEET 7

END CONSTRUCTION
PLOVER DRIVE

LAND ACCESS
(SLAG)

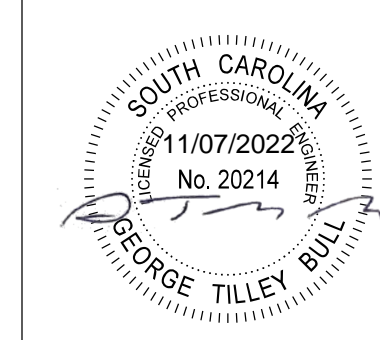


NOTES:
I. ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE DATA SHEET.

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	GROUP
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GEORGETOWN COUNTY

GEORGETOWN COUNTY
PLOVER DRIVE
PAVING IMPROVEMENTS
PLAN SHEET

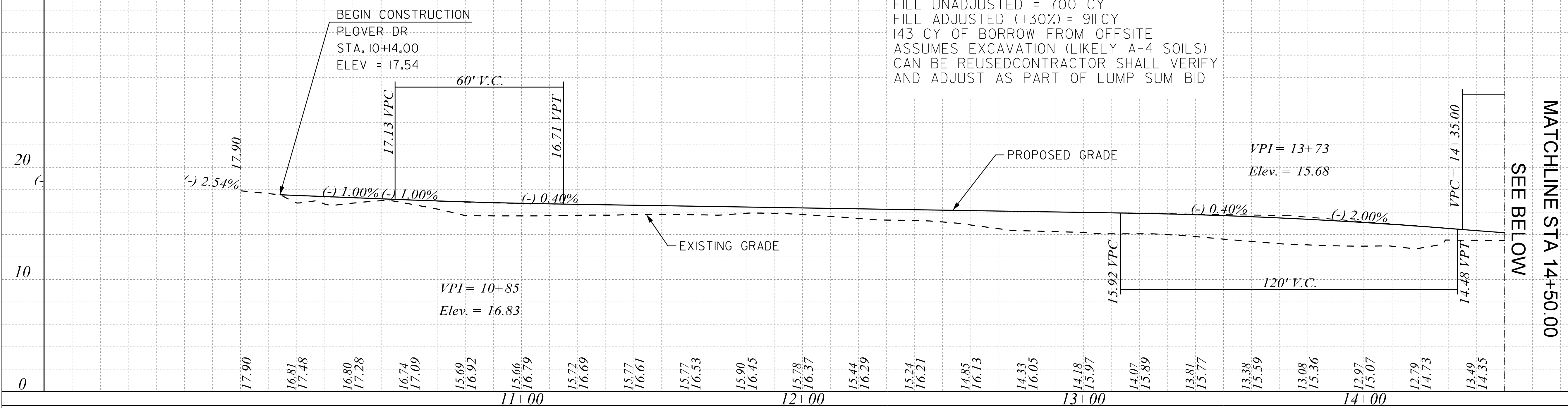
SCALE: 1"=20' RTE. PLOVER DRIVE

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11/22/2022

SCALE
HORIZONTAL: 1"=20'
VERTICAL: 1"=5'

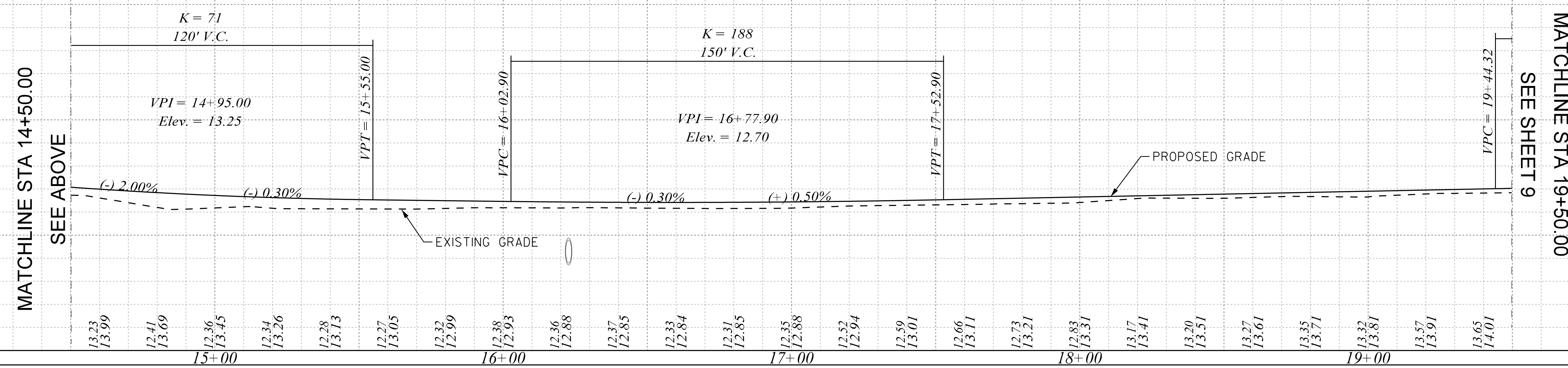
PLOVER DRIVE
PROFILE

NOTE: PER CROSS SECTIONS
COMMON EXCAVATION= 768 CY
FILL UNADJUSTED = 700 CY
FILL ADJUSTED (+30%) = 911CY
143 CY OF BORROW FROM OFFSITE
ASSUMES EXCAVATION (LIKELY A-4 SOILS)
CAN BE REUSED CONTRACTOR SHALL VERIFY
AND ADJUST AS PART OF LUMP SUM BID



SCALE
HORIZONTAL: 1"=20'
VERTICAL: 1"=5'

PLOVER DRIVE
PROFILE



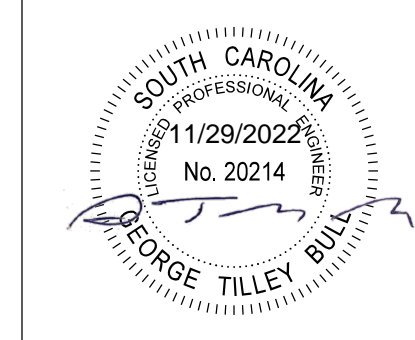
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11/30/2022

PROFILE	SURVEYED	DATE
NOTE BOOK	PROPOSED	
NO.	BAK'S NOTED	
	STRUCTURE NOTATIONS CHECKED	

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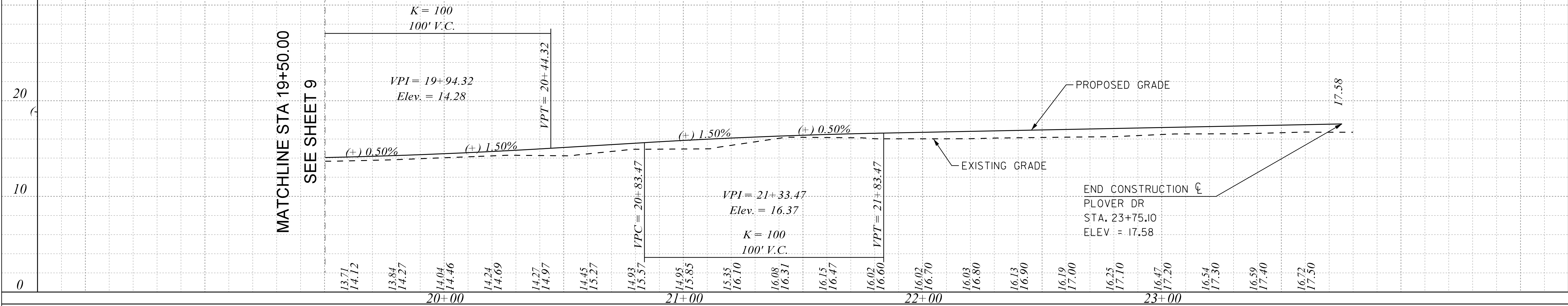
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1	GTB	1/29/22	REVISED EARTHWORK NOTE
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.	DATE		
DWG.	DATE		GROUP
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GEORGETOWN
COUNTY
GEORGETOWN
COUNTY
PLOVER DRIVE PAVING
PROFILE SHEET

SCALE: 1"=20' H, 1"=5' V RTE. PLOVER DRIVE

SCALE
HORIZONTAL: 1"=20'
VERTICAL: 1"=5'

PLOVER DRIVE
PROFILE



SCALE
HORIZONTAL: 1"=20'
VERTICAL: 1"=5'

PLOVER DRIVE
PROFILE



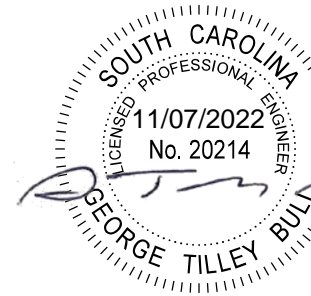
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11/22/2022

PROFILE	DATE
SURVEYED	BY
NOTE BOOK	
NO.	

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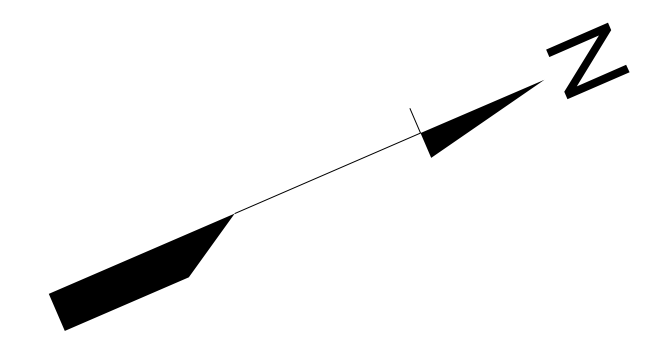


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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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DWG.			GROUP - -
R/W			

GEORGETOWN
COUNTY

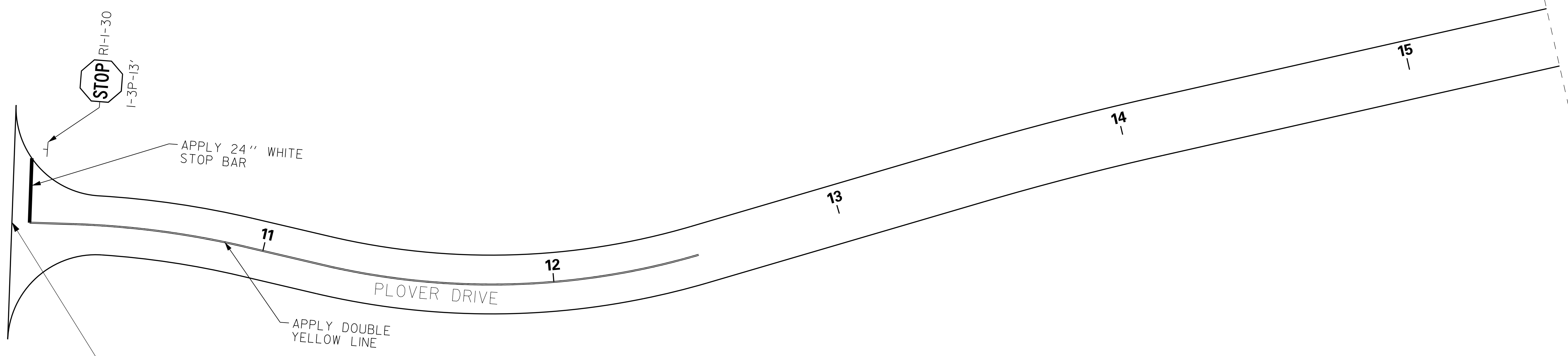
GEORGETOWN
COUNTY
PLOVER DRIVE PAVING
PROFILE SHEET

SCALE: 1"=20' H, 1"=5' V RTE. PLOVER DRIVE



TIE EQUALITY
S-22-42
STA 438+18.28
PLOVER DRIVE
STA 10+00.00

439
438
437



STOP R1-1-30
1'-3P-13'

APPLY 24" WHITE
STOP BAR

APPLY DOUBLE
YELLOW LINE

BEGIN CONSTRUCTION
PLOVER DRIVE
STA 10+14.00



NOTES:
I. ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE DATA SHEET.

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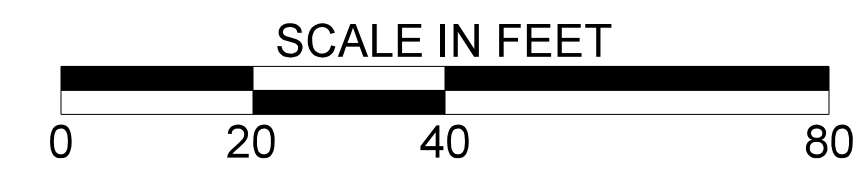
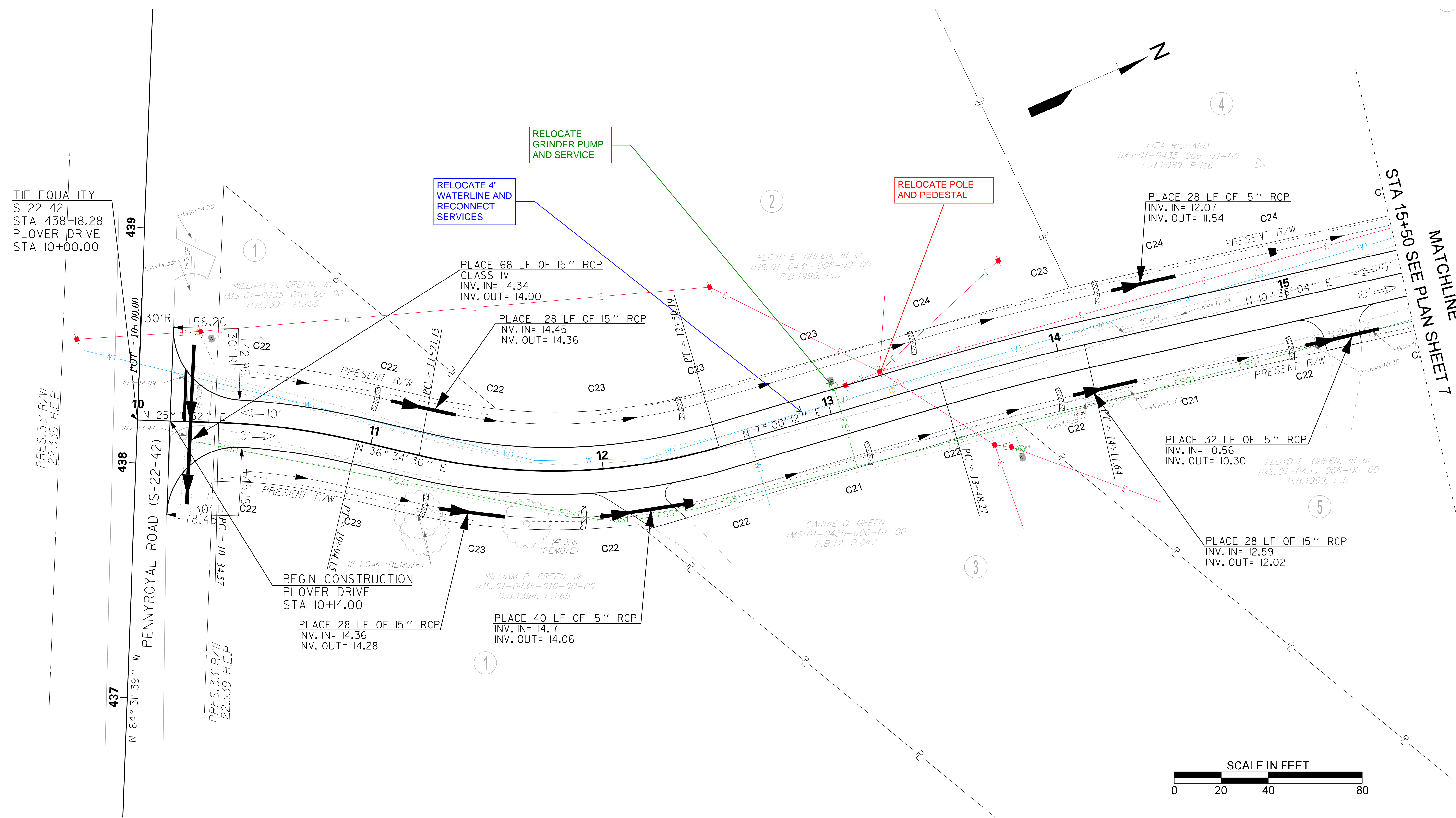
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	GROUP
R/W		DATE	

GEORGETOWN
COUNTY

GEORGETOWN COUNTY
PLOVER DRIVE
PAVING IMPROVEMENTS
SIGNING AND PAVEMENT MARKING SHEET

SCALE: 1"=20' RTE. PLOVER DRIVE

User: tbulj U:\11002426\transportation\roadway\drawings\plan_sheets\02426_il_pml.ecdata.dgn 11/22/2022



NOTES:
 I. ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE DATA SHEET.

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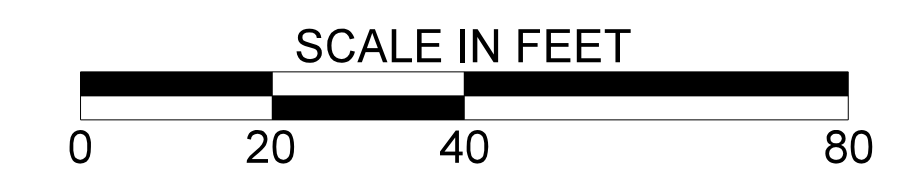
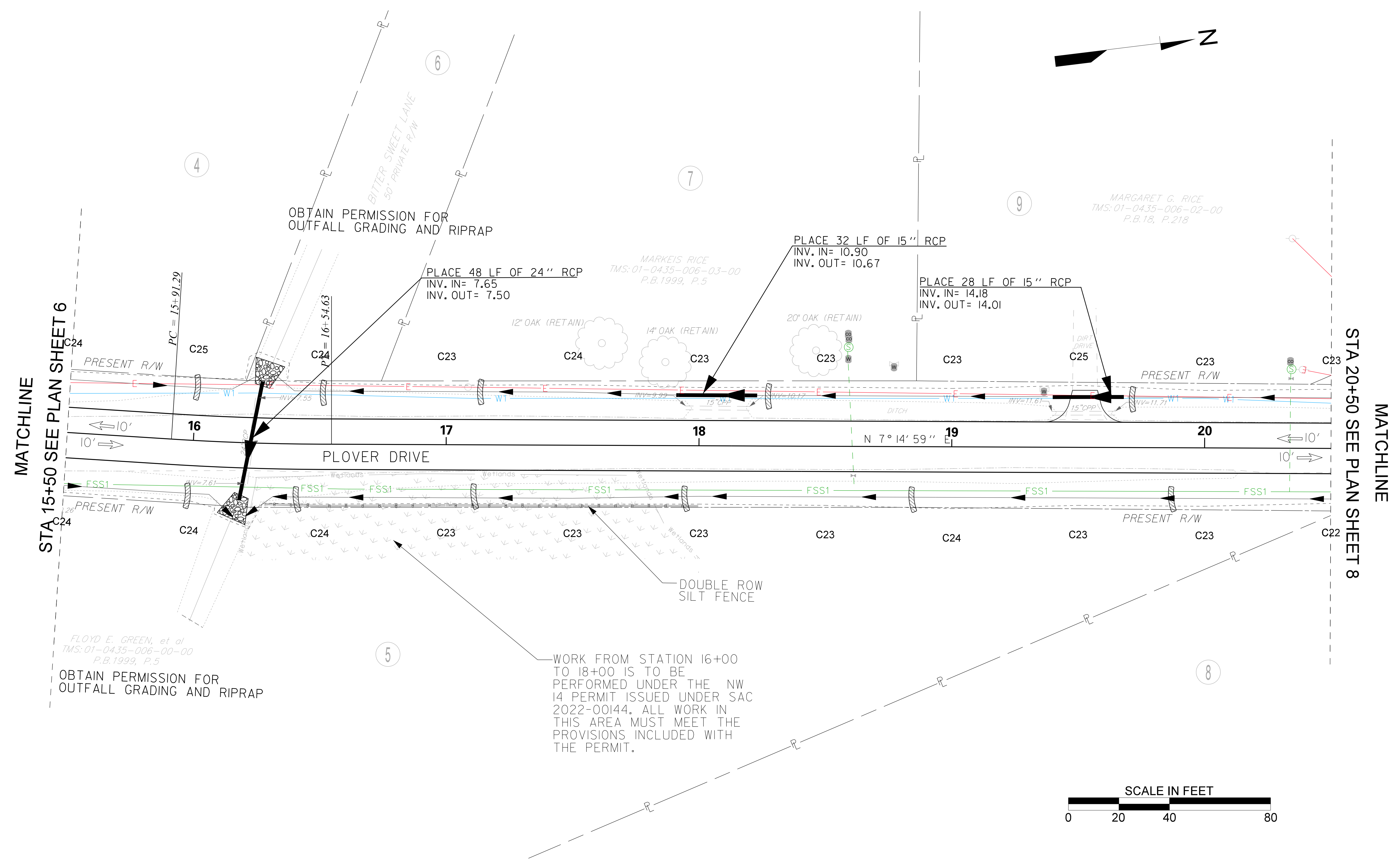
FOR INFORMATION ONLY

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	GROUP
R/W		DATE	

GEORGETOWN COUNTY
 GEORGETOWN COUNTY
 PLOVER DRIVE
 PAVING IMPROVEMENTS
 PLAN SHEET

SCALE: 1"=20' RTE. PLOVER DRIVE

User: tbull
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 11/22/2022



MATCHLINE
STA 15+50 SEE PLAN SHEET 6

MATCHLINE
STA 20+50 SEE PLAN SHEET 8

FLOYD E. GREEN, et al
TMS: 01-0435-006-00-00
P.B. 1999, P. 5
OBTAIN PERMISSION FOR
OUTFALL GRADING AND RIPRAP

WORK FROM STATION 16+00
TO 18+00 IS TO BE
PERFORMED UNDER THE NW
14 PERMIT ISSUED UNDER SAC
2022-00144. ALL WORK IN
THIS AREA MUST MEET THE
PROVISIONS INCLUDED WITH
THE PERMIT.

NOTES:
1. ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE DATA SHEET.

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FOR INFORMATION ONLY

4			
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	GROUP
R/W		DATE	

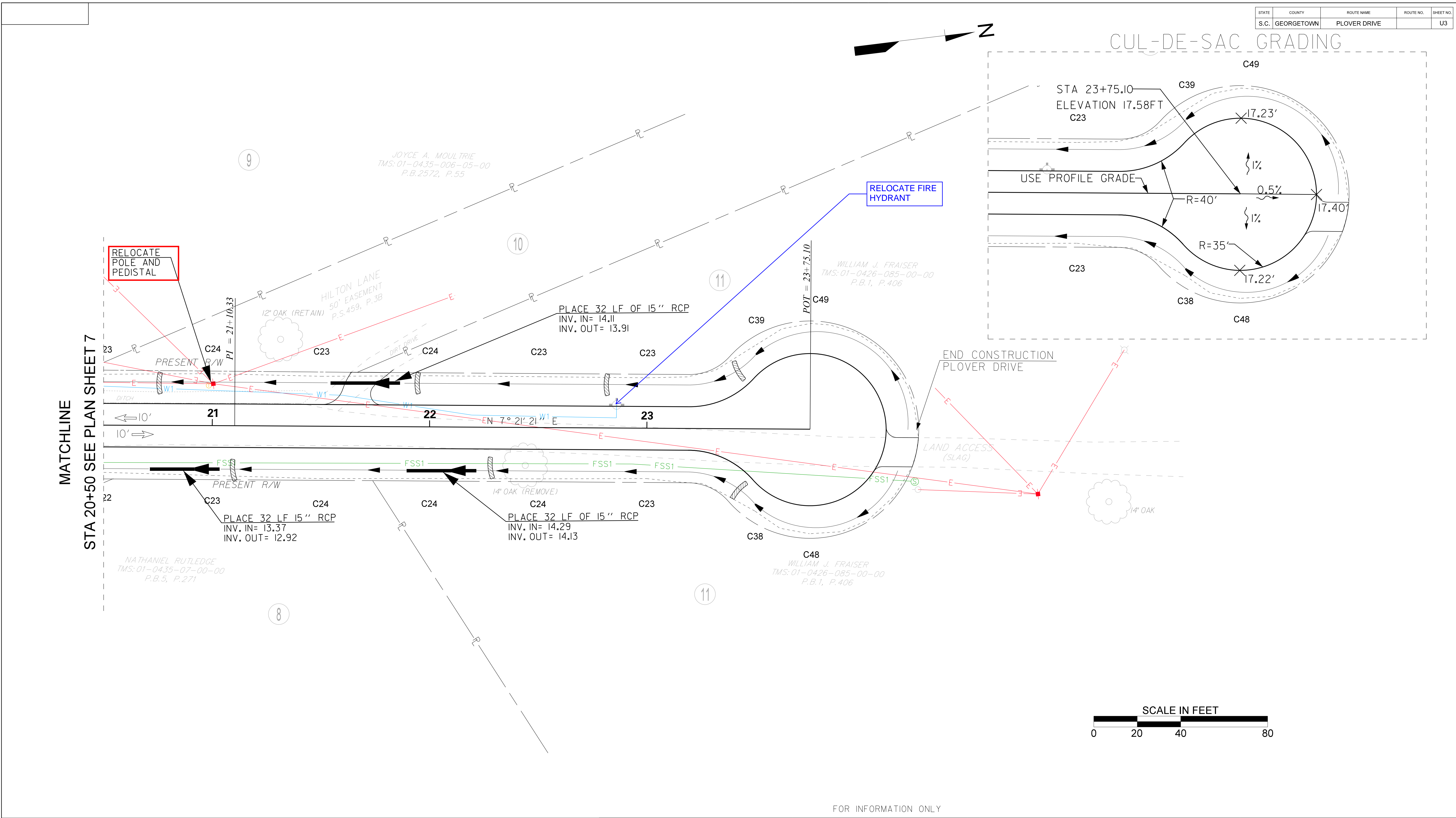
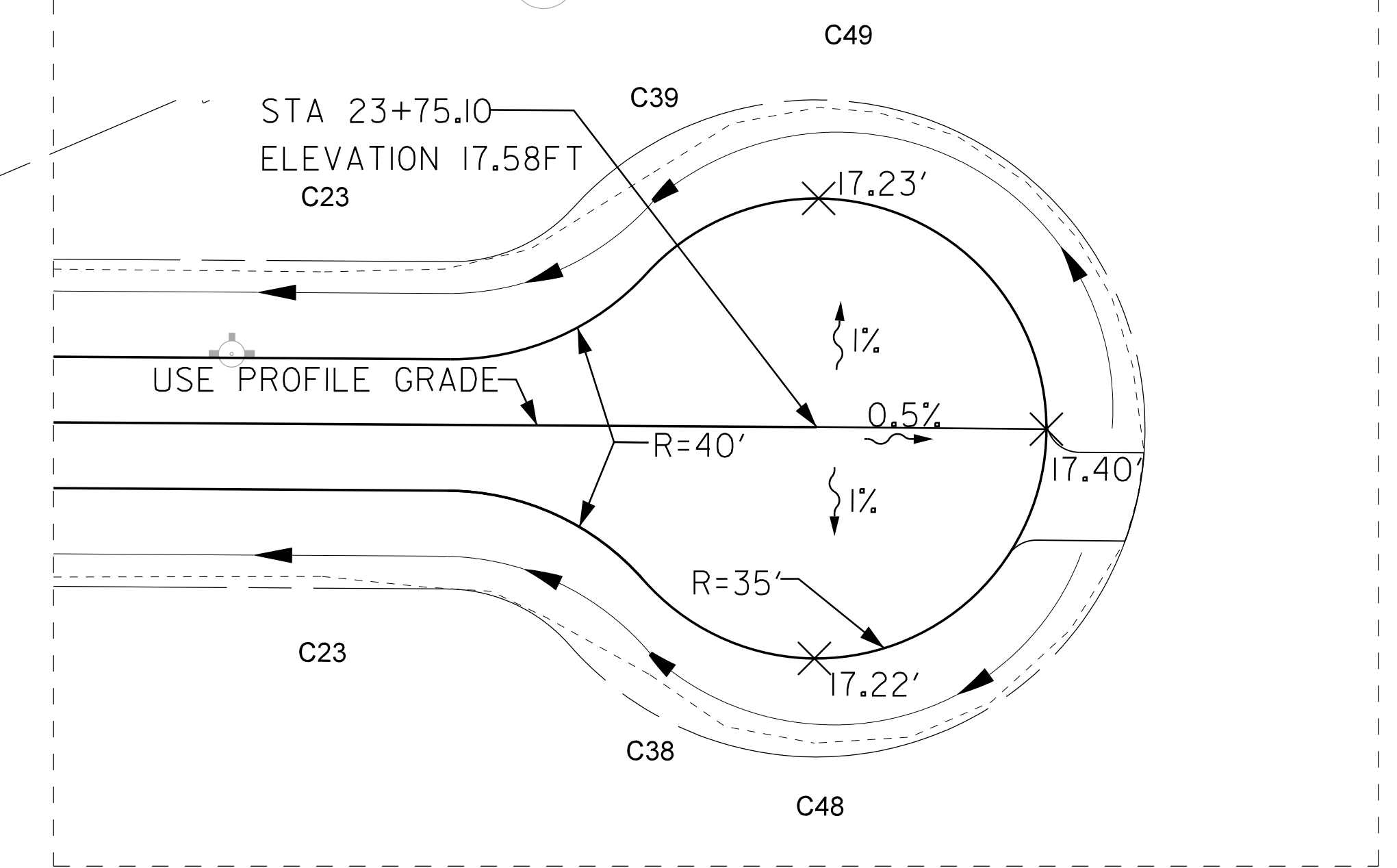
GEORGETOWN COUNTY
GEORGETOWN COUNTY
PLOVER DRIVE
PAVING IMPROVEMENTS

SCALE: 1"=20' RTE. PLOVER DRIVE

User: tbulj
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11/22/2022

STATE	COUNTY	ROUTE NAME	ROUTE NO.	SHEET NO.
S.C.	GEORGETOWN	PLOVER DRIVE		U3

CUL-DE-SAC GRADING



NOTES:
I. ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE DATA SHEET.

PLANS PREPARED BY:
Stantec
Stantec Consulting Services Inc.
4969 Centre Pointe Drive Suite 200
North Charleston, SC 29418
www.stantec.com

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	GROUP
R/W		DATE	

GEORGETOWN COUNTY

GEORGETOWN COUNTY
PLOVER DRIVE
PAVING IMPROVEMENTS

SCALE: 1"=20' RTE. PLOVER DRIVE

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11/22/2022

EROSION CONTROL DATA SHEET

RECEIVING WATERS

ROAD / ROUTE	OUTFALL DITCH		NAME OF RECEIVING WATERS	NAME OF ULTIMATE RECEIVING WATERS	ROAD / ROUTE	OUTFALL DITCH		NAME OF RECEIVING WATERS	NAME OF ULTIMATE RECEIVING WATERS
	STATION	SIDE				STATION	SIDE		
S-10-1766	40+30	RT	TRIB. OF BOHICKET CREEK	BOHICKET CREEK					

SOIL TYPES

ROAD / ROUTE	STATION TO STATION		SOIL PARTICLE SIZE (COARSE / FINE)	ZONE
CHARLES BROWN RD	10+00	15+60	FINE	COASTAL

TEMPORARY EROSION CONTROL BLANKET

ROAD / ROUTE	STATION TO STATION	SIDE	DEPTH OF BLANKET (FT)	DITCH BOTTOM WIDTH (FT)	SLOPES α : 1		MSY
					FRONT	BACK	
TOTAL							0.000

TURF REINFORCED MATTING (TRM)

ROAD / ROUTE	STATION TO STATION	SIDE	DEPTH OF MAT (FT)	SLOPES (x : 1)		DITCH BOTTOM WIDTH (FT)	TYPE 1 (MSY)	TYPE 2 (MSY)	TYPE 3 (MSY)
				FRONT	BACK				
TOTALS							0.000	0.000	0.000

SEDIMENT TUBES IN DITCHES

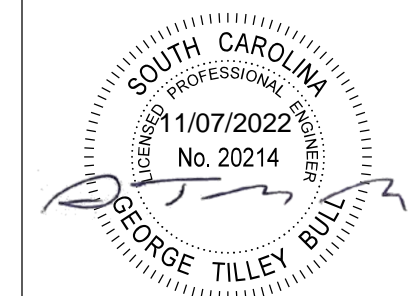
ROAD / ROUTE	STATION TO STATION		SIDE	AVERAGE LENGTH	SPACING (FT)	TOTAL	COMMENTS
PLOVER	10+49	10+49	LT	12	0	12	
PLOVER	10+93	10+93	LT	12	150	36	
PLOVER	12+62	12+62	LT	12	150	36	
PLOVER	13+72	13+72	LT				
PLOVER	14+12	14+12	LT				
PLOVER	14+71	14+71	LT				
PLOVER	15+95	15+95	LT				
PLOVER	16+54	16+54	LT				
PLOVER	17+71	17+71	LT				
PLOVER	18+43	18+43	LT				
PLOVER	19+17	19+17	LT				
PLOVER	19+88	19+88	LT				
PLOVER	20+91	20+91	LT				
PLOVER	21+44	21+44	LT				
PLOVER	22+03	22+03	LT				
PLOVER	22+95	22+95	LT				
PLOVER	10+63	10+63	LT				
PLOVER	11+21	11+21	LT				
PLOVER	11+70	11+70	LT				
PLOVER	11+88	11+88	LT				
PLOVER	12+50	12+50	LT				
PLOVER	13+10	13+10	LT				
PLOVER	13+85	13+85	LT				
PLOVER	14+45	14+45	LT				
PLOVER	15+47	15+47	LT				
PLOVER	20+91	20+91	LT				
PLOVER	20+91	20+91	LT				
PLOVER	20+91	20+91	LT				
GRAND TOTAL						84.000	

SEDIMENT DAM

NO	ROAD / ROUTE	STATION	SIDE	DRAINED OR NOT DRAINED	LENGTH OF SILT BASIN	WIDTH OF SILT BASIN	DAM HEIGHT	SIDE SLOPE OF SILT BASIN	SPILLWAY BOTTOM WIDTH	DAM BOTTOM WIDTH	RIP RAP CLASS	TOTAL STORAGE VOLUME	SEDIMENT STORAGE HEIGHT	OUTFALL CHANNEL WIDTH	OUTFALL CHANNEL DEPTH	OUTFALL CHANNEL LENGTH

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GEORGETOWN COUNTY

GEORGETOWN COUNTY
PLOVER DRIVE
PAVING IMPROVEMENTS
EROSION CONTROL DATA SHEET

SCALE: N/A RTE. PLOVER DRIVE

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GENERAL CONSTRUCTION NOTES

STATE	COUNTY	ROUTE NAME	ROUTE NO.	SHEET NO.
S.C.	GEORGETOWN	PLOVER DRIVE		EC2

(EROSION CONTROL PLANS)

SCDHEC STANDARD NOTES

- IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
 - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
 - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
- ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
- RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C REG. 72-300 ET SEQ. AND SCRIO000.
- TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
- LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
- A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
- INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
- MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE;
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAG, ETC.).

SCDHEC STANDARD NOTES (CONTINUED)

- THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
 - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
 - WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
 - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
 - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
- AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
- IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SCDHEC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPS MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
- A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

GENERAL CONSTRUCTION NOTES

- CONTACT GEORGETOWN COUNTY AND SCDOT 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- CLEARING AND GRUBBING
THE CONTRACTOR WILL BE REQUIRED TO CLEAR ALL AREAS NECESSARY FOR THE CONSTRUCTION OF ANY SEDIMENT DAMS AND INSTALL THE SEDIMENT DAMS AND ALL OTHER PERIMETER EROSION CONTROL MEASURES PRIOR TO CLEARING AND GRUBBING ACTIVITIES. ALSO, THE CONTRACTOR SHALL STAGE HIS CLEARING AND GRUBBING WORK ALONG WITH HIS ROADWAY CONSTRUCTION WORK TO MINIMIZE THE AMOUNT OF EROSION AND SEDIMENTATION. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING ALL STAGES OF CONSTRUCTION.
- SEEDING
SEEDING SHALL BE ACCOMPLISHED ACCORDING TO S.C.D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION 2007 EDITION, SECTION 810.
- EROSION CONTROL MEASURES
ALL EROSION CONTROL MEASURES SHALL COMPLY WITH S.C.D.O.T. STANDARD DRAWINGS, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2007 EDITION, AND THE SUPPLEMENTAL SPECIFICATIONS.
- STABILIZED CONSTRUCTION ENTRANCES
STABILIZED CONSTRUCTION ENTRANCES SHALL BE LOCATED BY THE FIELD ENGINEER. STABILIZED CONSTRUCTION ENTRANCES SHALL BE LOCATED IN ANY AREAS WHERE CONSTRUCTION TRAFFIC WILL ENTER THE LIMITS OF DISTURBANCE. STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED THROUGHOUT THE PROJECT.

SEDIMENT AND EROSION CONTROL CONSTRUCTION SEQUENCE

- CONTACT GEORGETOWN COUNTY AND SCDOT 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES.
- CLEAR OUTER CONSTRUCTION LIMITS.
- INSTALL PERIMETER EROSION CONTROL DEVICES.
- BEGIN GRADING AND STORM DRAINAGE CONSTRUCTION.
- INSTALL INTERNAL TEMPORARY EROSION CONTROL DEVICES AS NEEDED DURING GRADING ACTIVITIES.
- REMOVE BUILT-UP SEDIMENT AS NEEDED.
- PLACE PERMANENT VEGETATION AS GRADING IS COMPLETED.
- REMOVE INTERNAL TEMPORARY EROSION CONTROL DEVICES FOR STABILIZED AREAS.
- REMOVE PERIMETER EROSION CONTROL DEVICES.
- CONTACT GEORGETOWN COUNTY AND SCDOT FOR FINAL INSPECTION AND CLOSEOUT.

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GEORGETOWN COUNTY

GEORGETOWN COUNTY
PLOVER DRIVE
PAVING IMPROVEMENTS
EROSION CONTROL NOTES

SCALE: N/A RTE. PLOVER DRIVE

NOTE:
CONTOURS SHOWN ARE EXISTING
AND FOR INFORMATION ONLY

TIE EQUALITY
S-22-42
STA 438+18.28
PLOVER DRIVE
STA 10+00.00

PRES. 33' R/W
22.339 H.E.P.

439

10

438

437

PENNYROYAL ROAD (S-22-42)

PRES. 33' R/W
22.339 H.E.P.

BEGIN CONSTRUCTION
PLOVER DRIVE
STA 10+4.00

INSTALL & MAINTAIN
STABILIZED CONSTRUCTION
ENTRANCE
STA. 10+3.92 TO 11+09.71
PER SCDOT STD. DWG.
815-505-00

INSTALL & MAINTAIN
SEDIMENT TUBES PER
SCDOT STD. DWG.
815-205-00 (TYP.)

INSTALL & MAINTAIN
SEDIMENT TUBES PER
SCDOT STD. DWG.
815-205-00 (TYP.)

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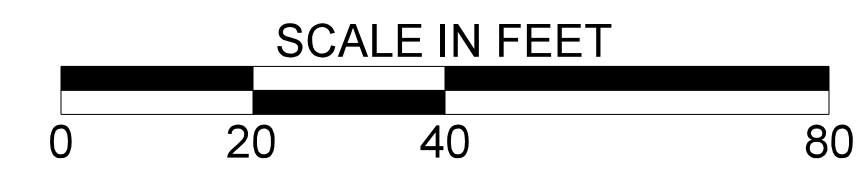
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STA 15+50 SEE EC SHEET 4
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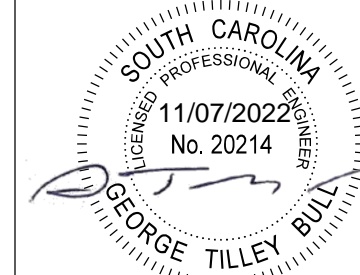


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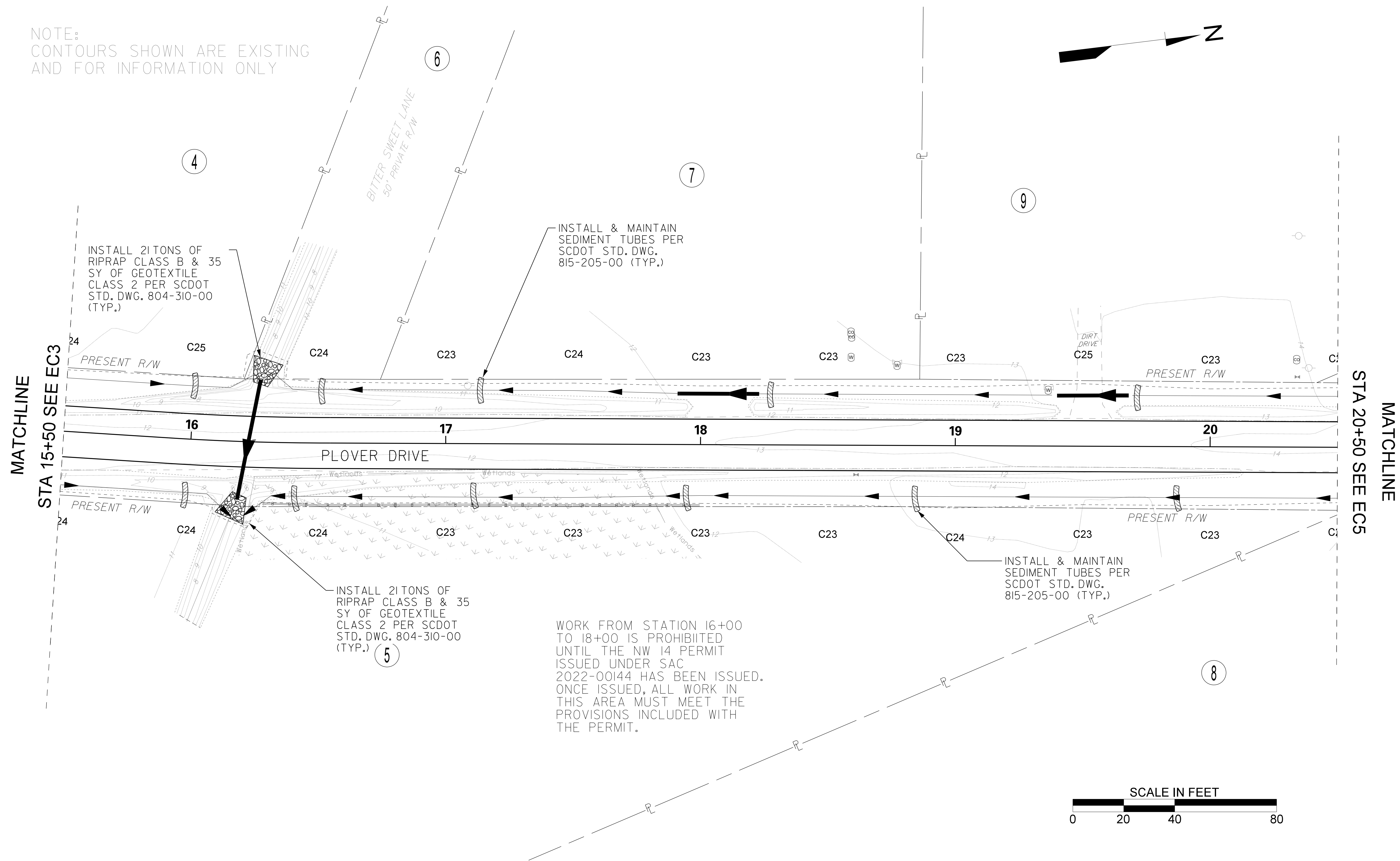
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GEORGETOWN COUNTY

GEORGETOWN COUNTY
PLOVER DRIVE
PAVING IMPROVEMENTS
EROSION CONTROL SHEET

SCALE: 1"=20' RTE. PLOVER DRIVE

NOTE:
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INSTALL 21 TONS OF
RIPRAP CLASS B & 35
SY OF GEOTEXTILE
CLASS 2 PER SCDOT
STD. DWG. 804-310-00
(TYP.)

INSTALL & MAINTAIN
SEDIMENT TUBES PER
SCDOT STD. DWG.
815-205-00 (TYP.)

INSTALL & MAINTAIN
SEDIMENT TUBES PER
SCDOT STD. DWG.
815-205-00 (TYP.)

WORK FROM STATION 16+00
TO 18+00 IS PROHIBITED
UNTIL THE NW 14 PERMIT
ISSUED UNDER SAC
2022-00144 HAS BEEN ISSUED.
ONCE ISSUED, ALL WORK IN
THIS AREA MUST MEET THE
PROVISIONS INCLUDED WITH
THE PERMIT.

NOTES:
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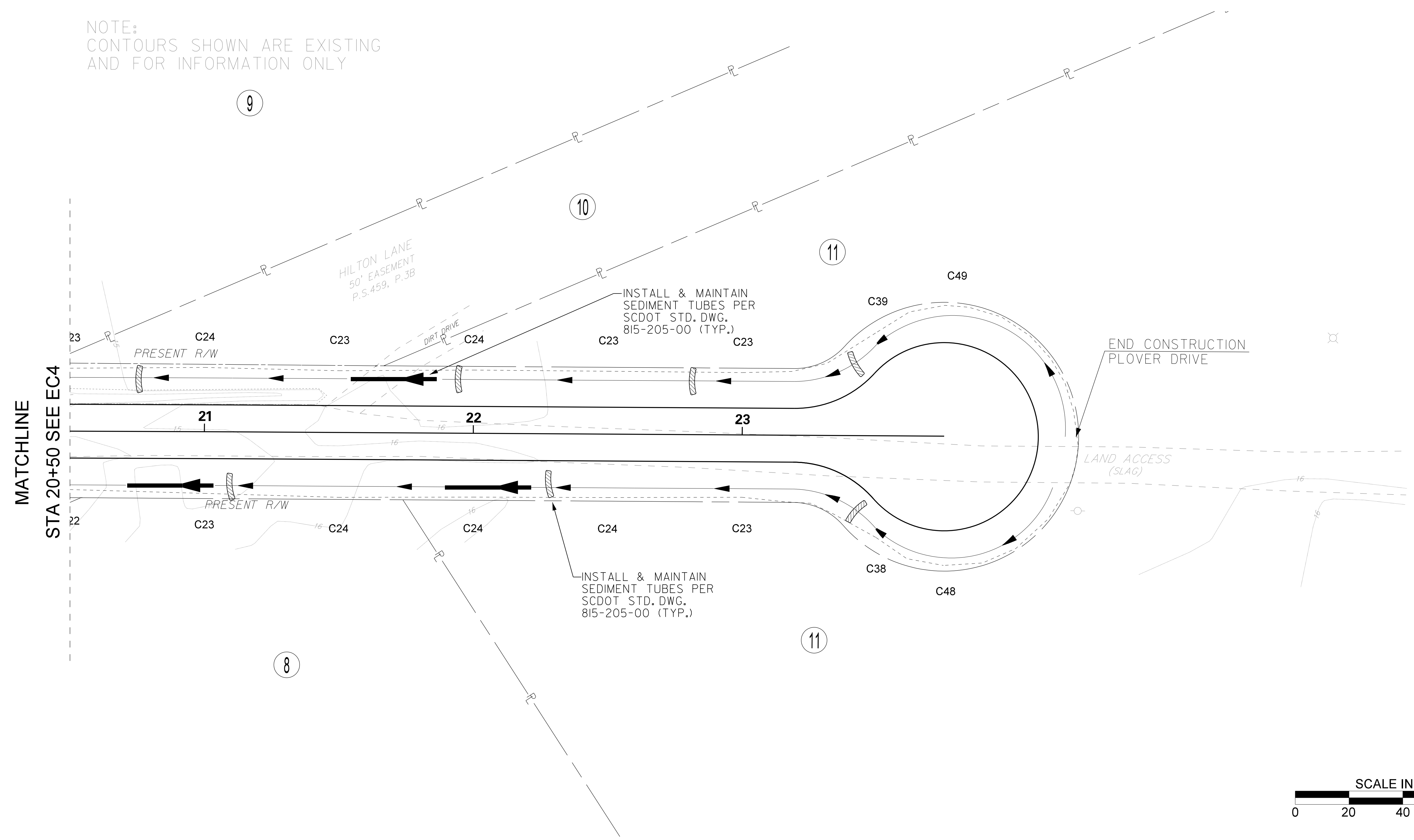
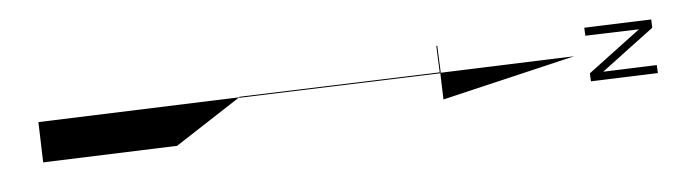
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GEORGETOWN
COUNTY

GEORGETOWN COUNTY
PLOVER DRIVE
PAVING IMPROVEMENTS
EROSION CONTROL SHEET

SCALE: 1"=20' RTE. PLOVER DRIVE

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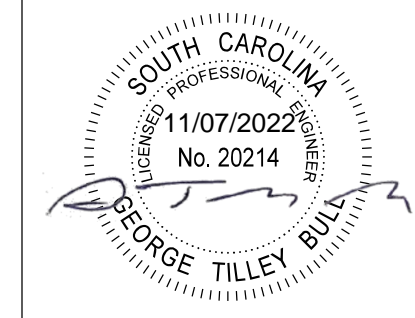


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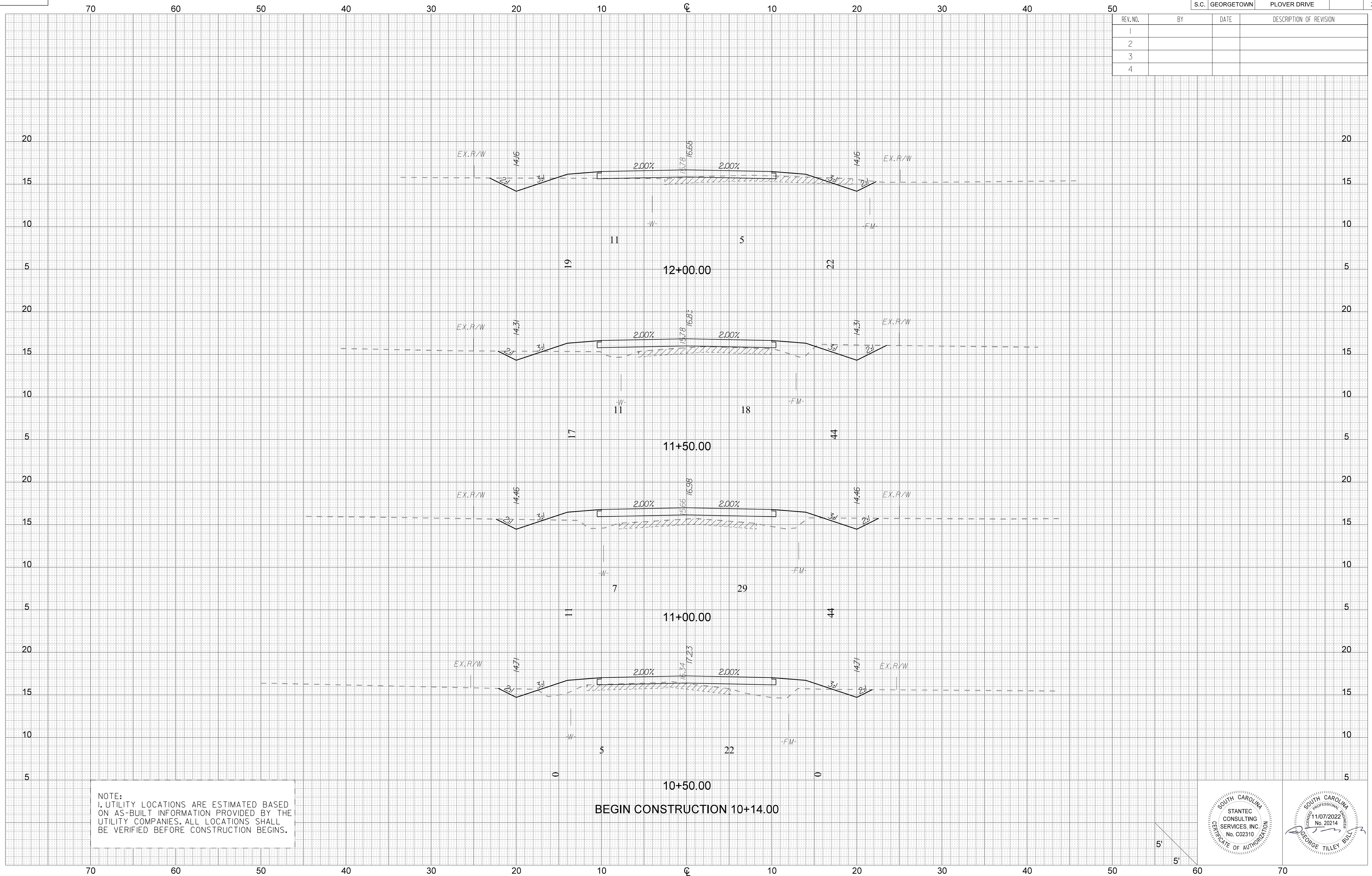
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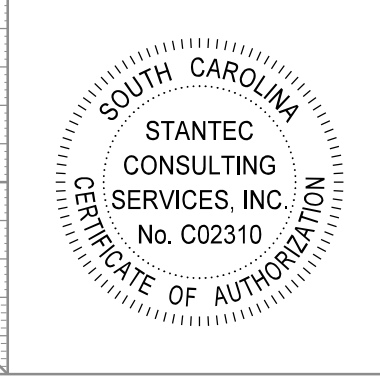
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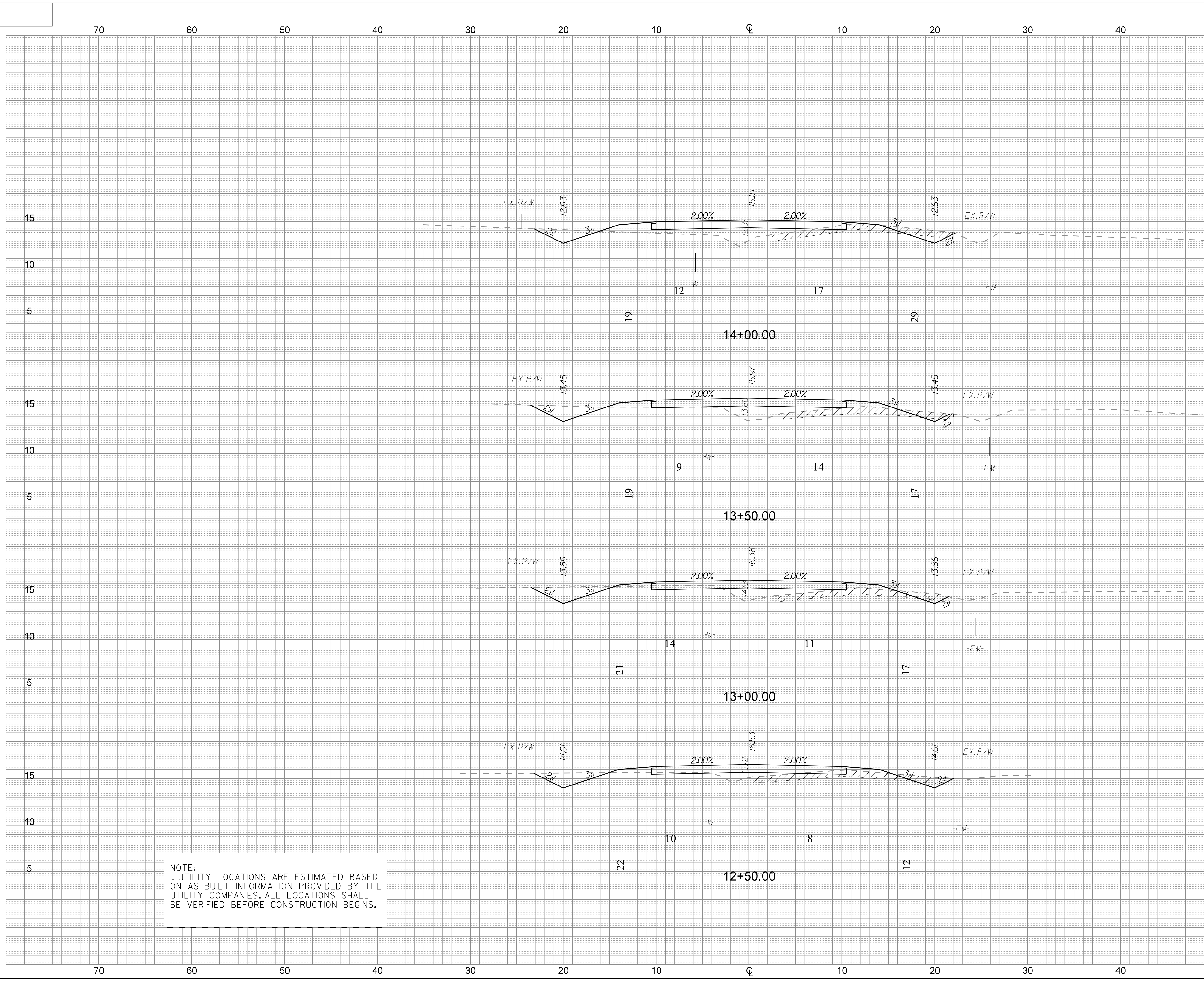
NOTE:
 1. UTILITY LOCATIONS ARE ESTIMATED BASED ON AS-BUILT INFORMATION PROVIDED BY THE UTILITY COMPANIES. ALL LOCATIONS SHALL BE VERIFIED BEFORE CONSTRUCTION BEGINS.

BEGIN CONSTRUCTION 10+14.00

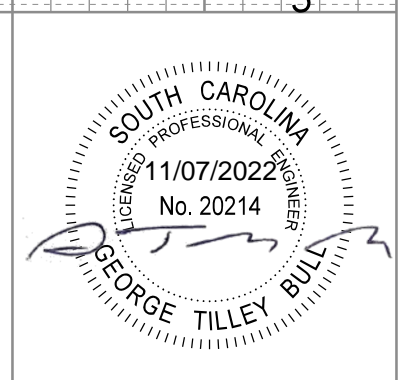
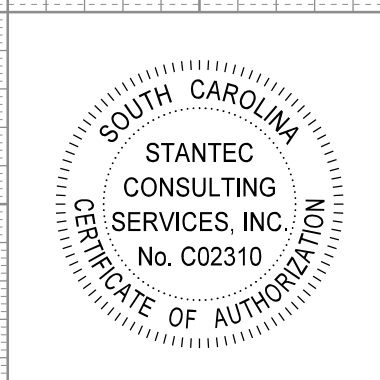
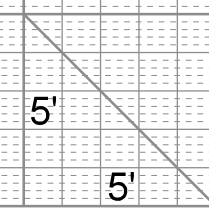
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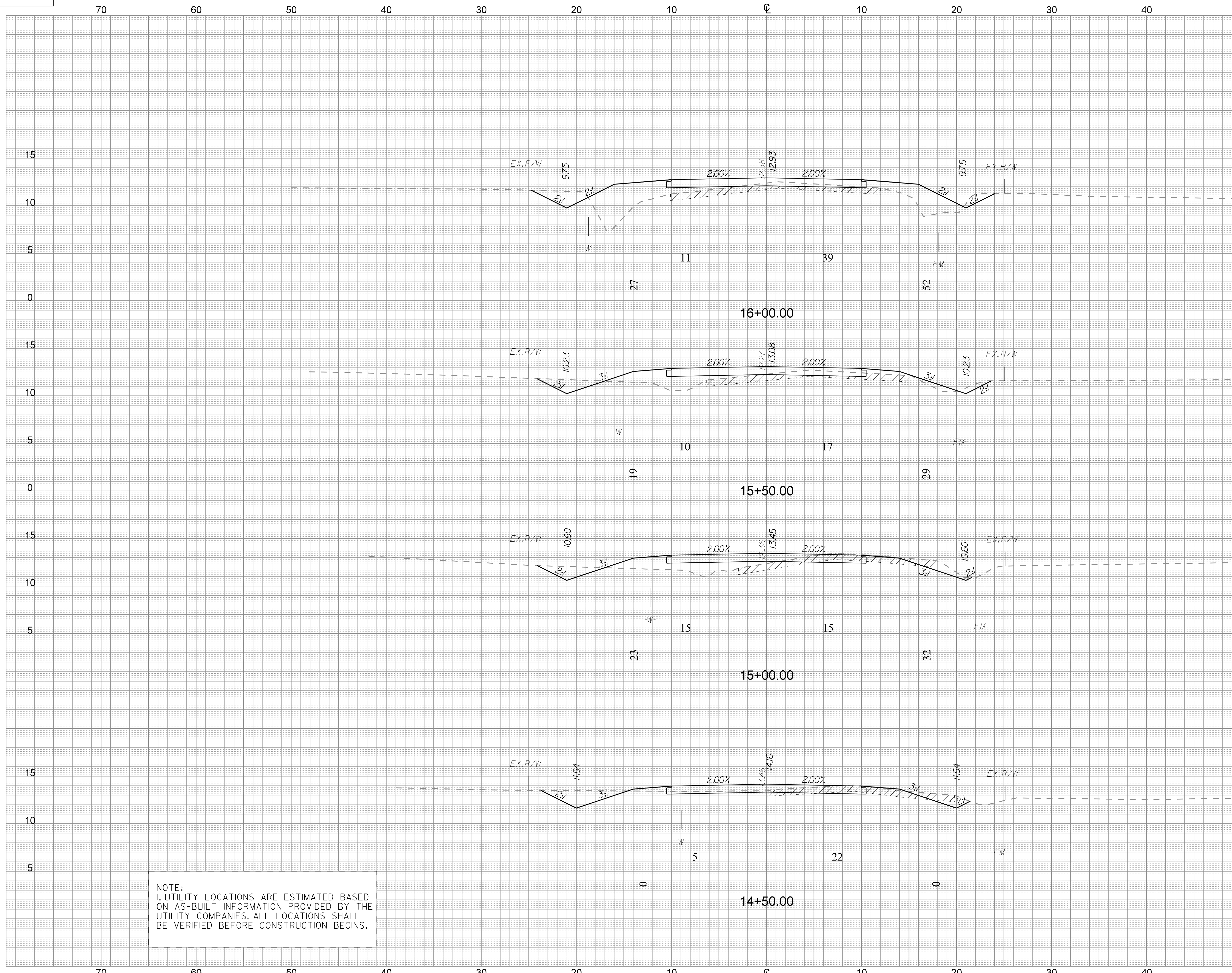
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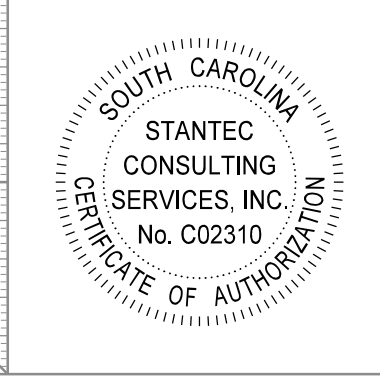
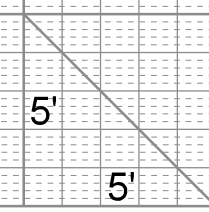
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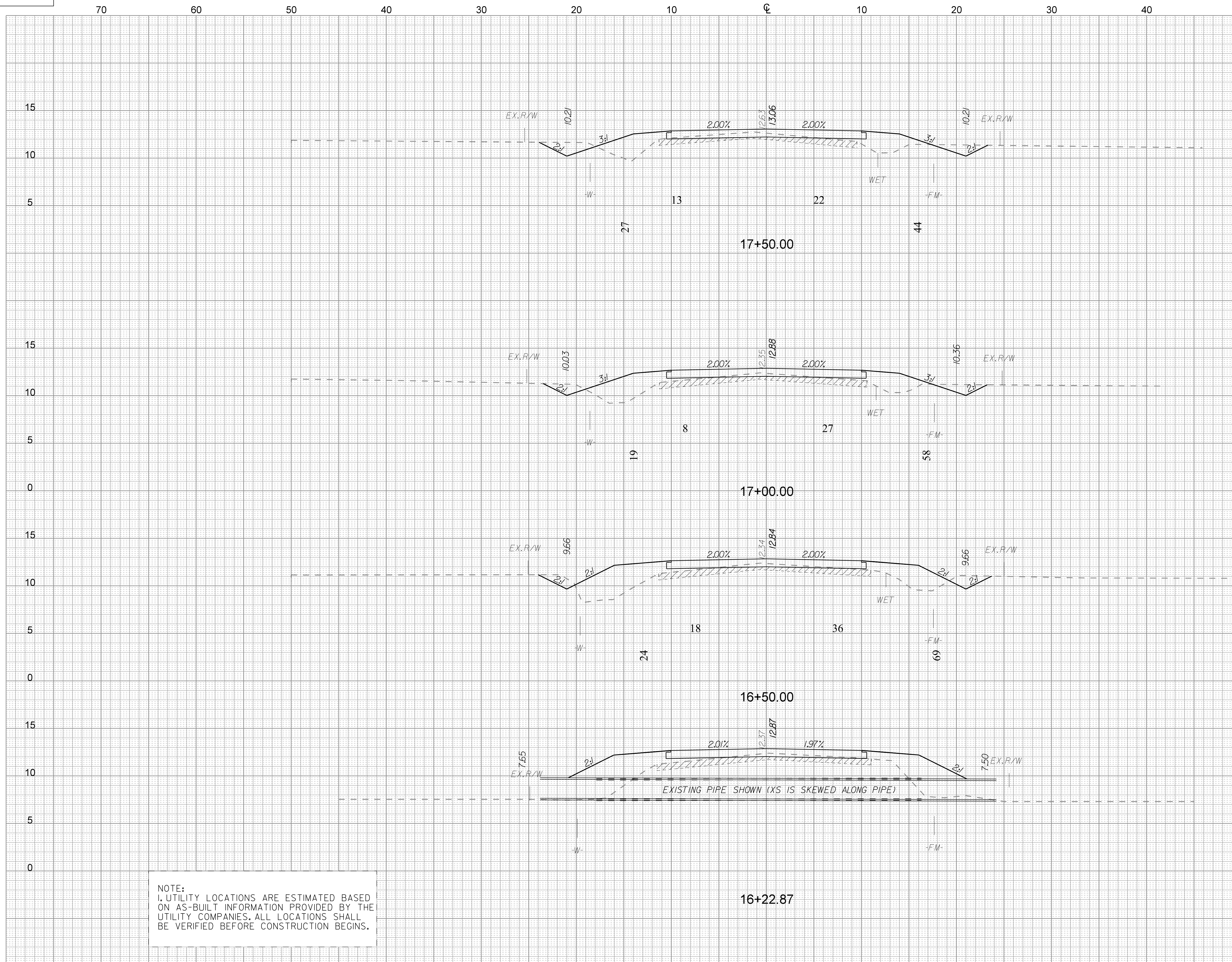
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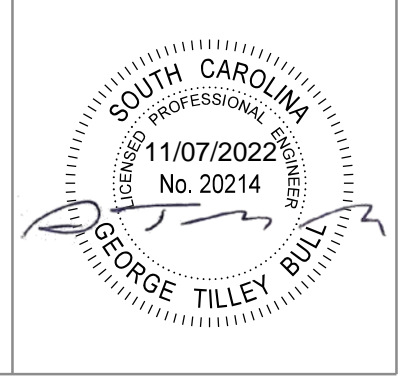
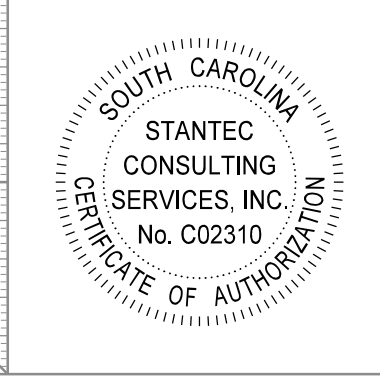
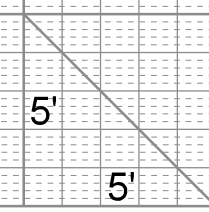
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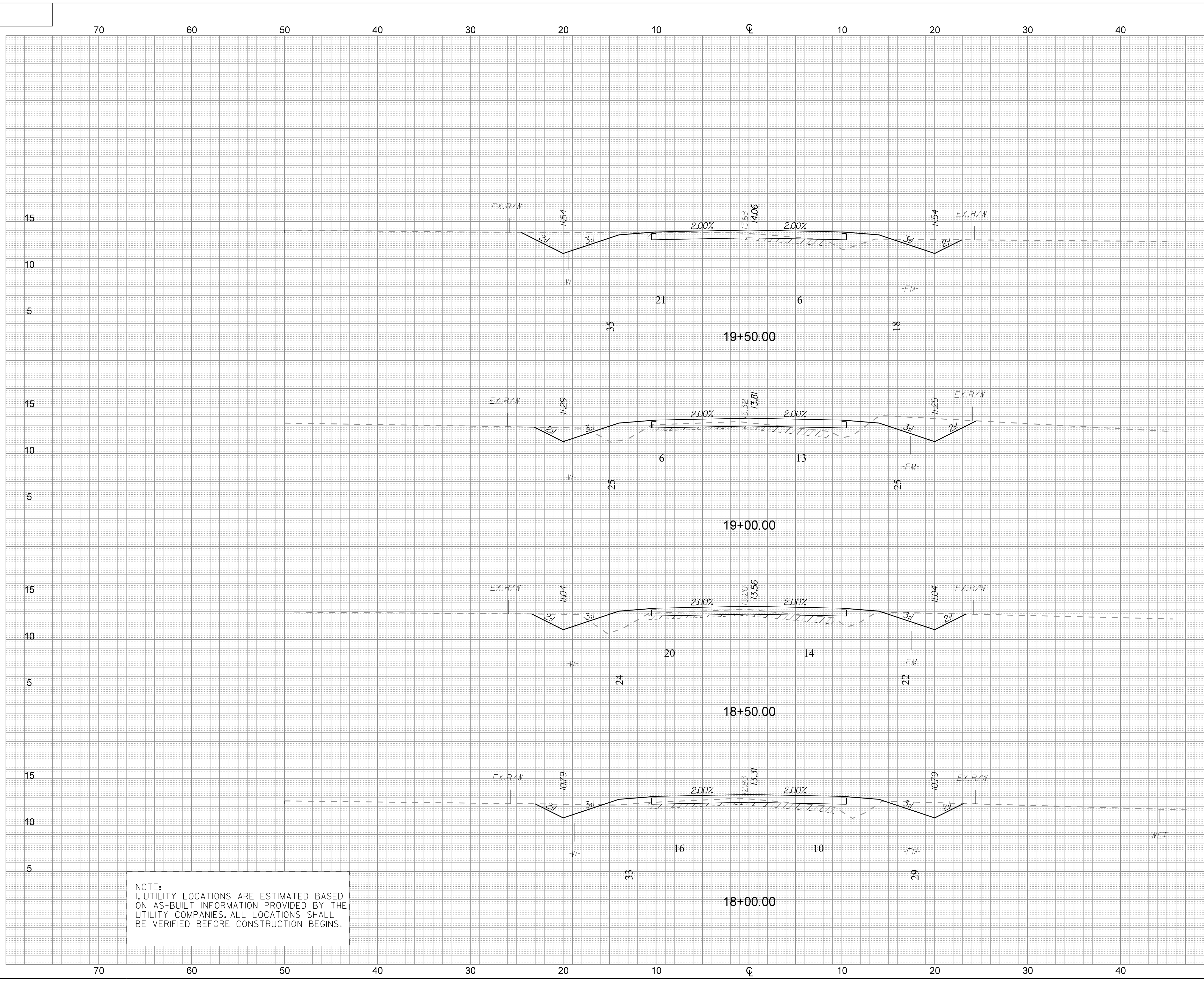
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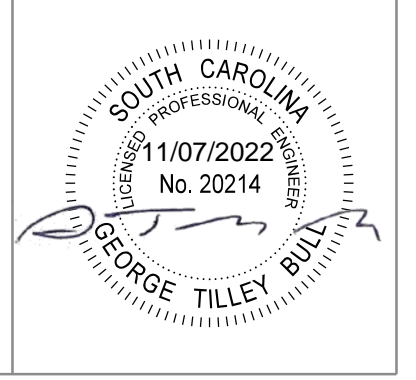
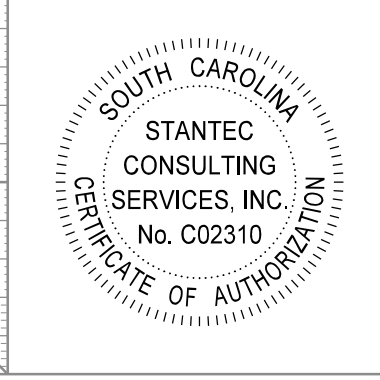


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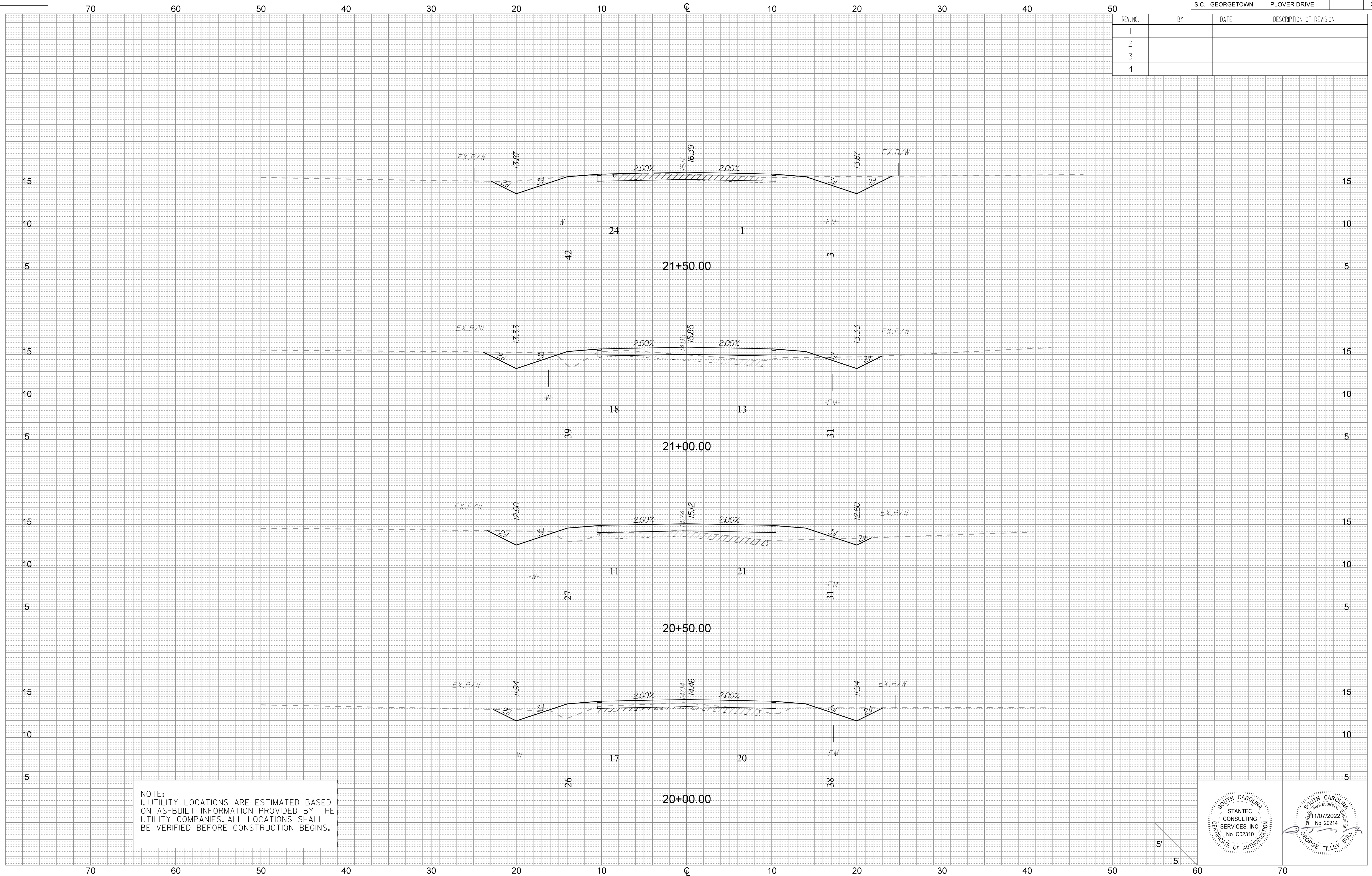


NOTE:
 1. UTILITY LOCATIONS ARE ESTIMATED BASED ON AS-BUILT INFORMATION PROVIDED BY THE UTILITY COMPANIES. ALL LOCATIONS SHALL BE VERIFIED BEFORE CONSTRUCTION BEGINS.

5'
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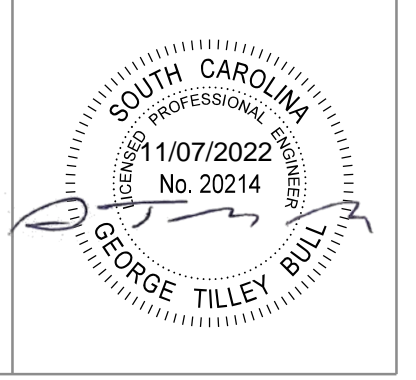
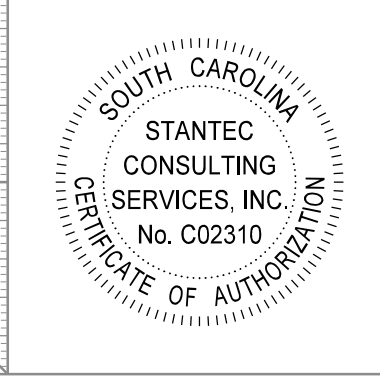


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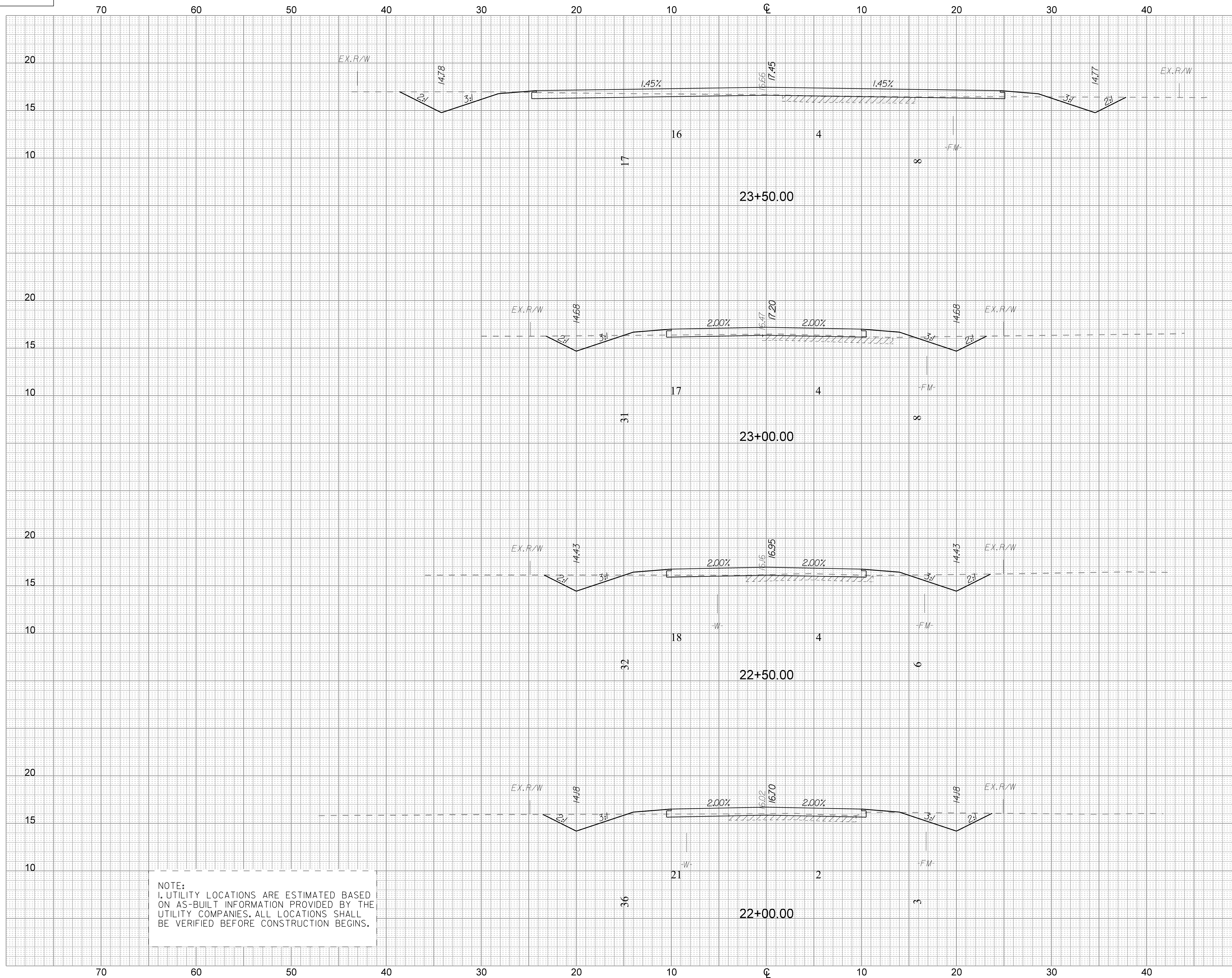


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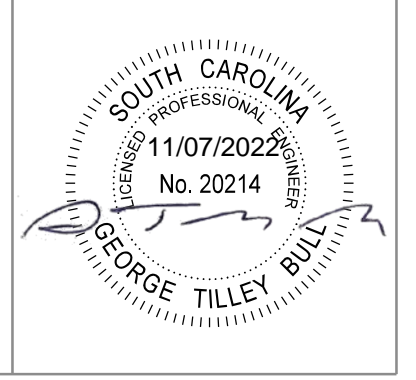
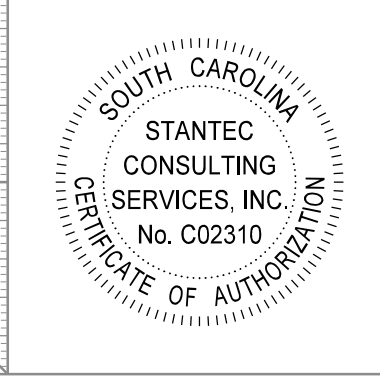


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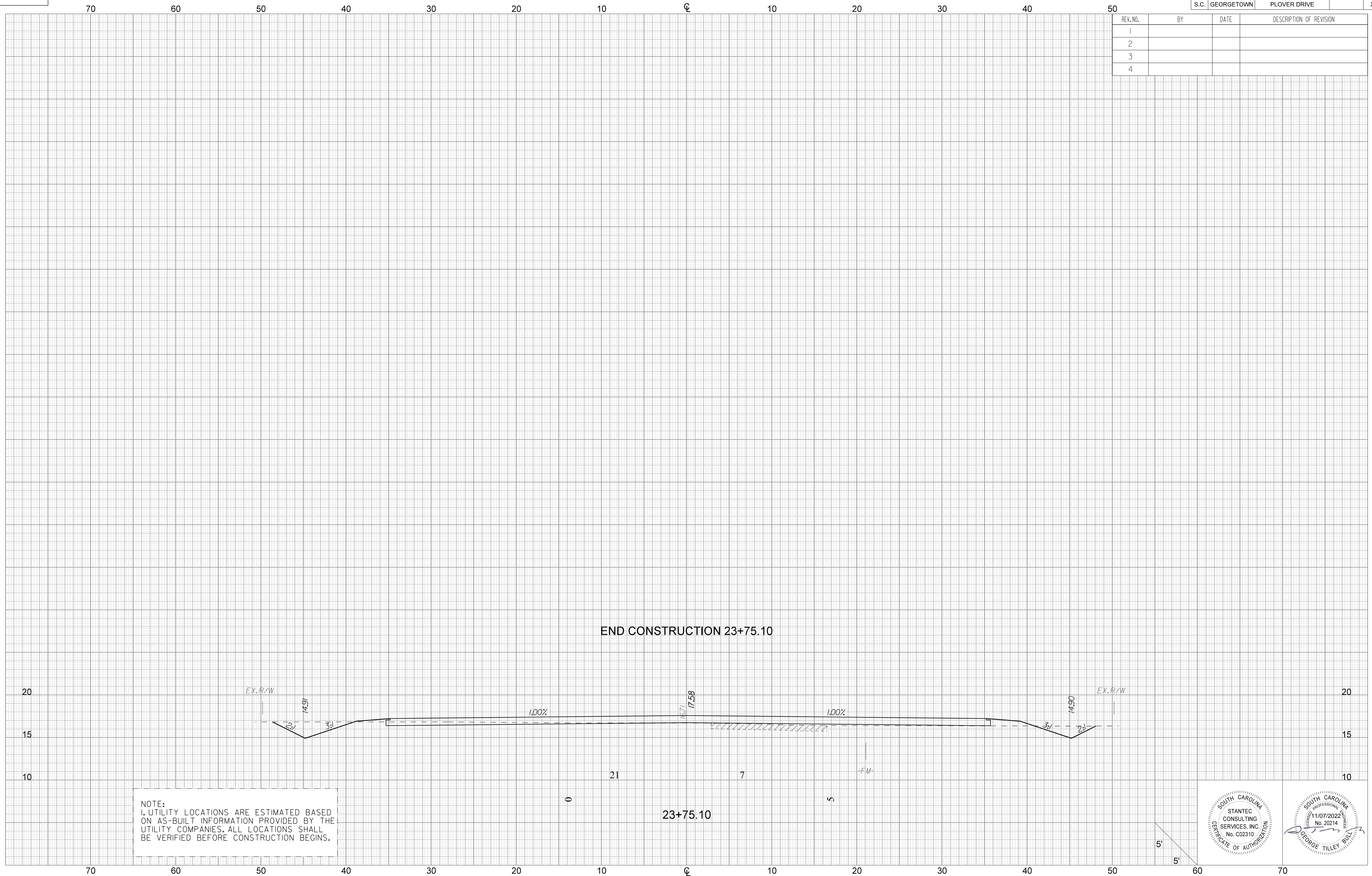


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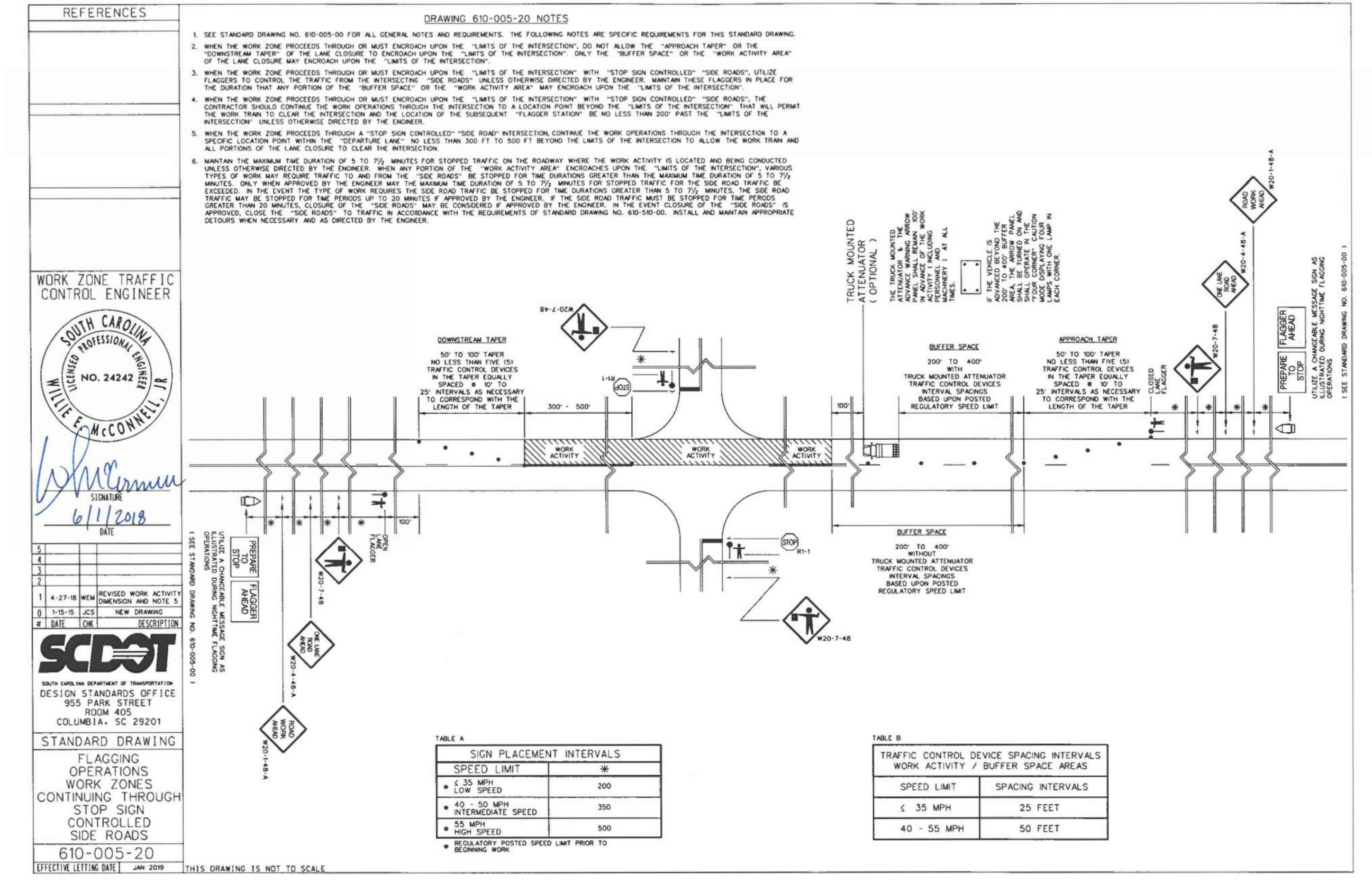
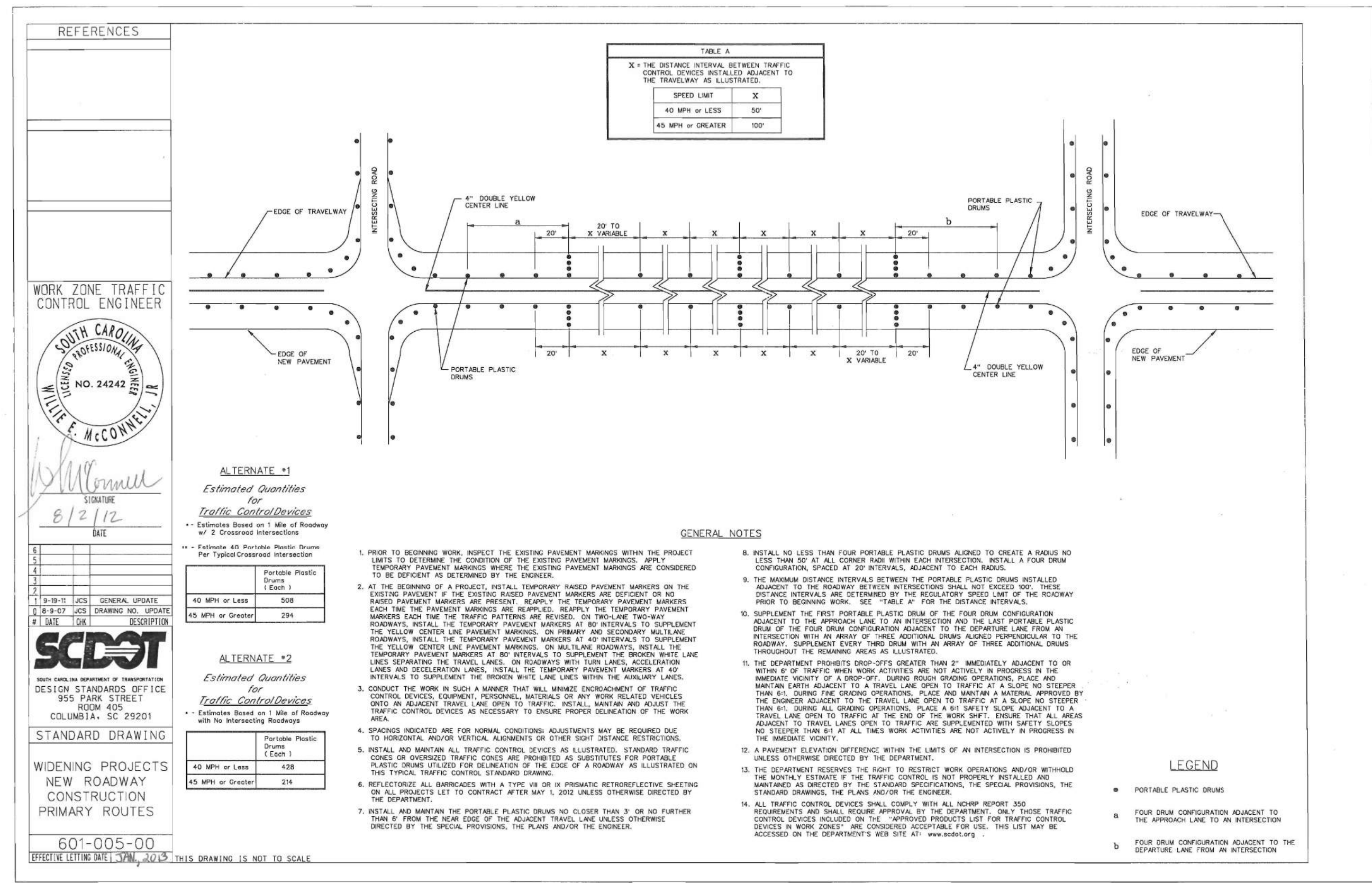
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 1. UTILITY LOCATIONS ARE ESTIMATED BASED ON AS-BUILT INFORMATION PROVIDED BY THE UTILITY COMPANIES. ALL LOCATIONS SHALL BE VERIFIED BEFORE CONSTRUCTION BEGINS.

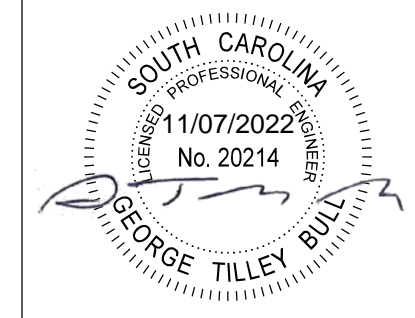


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 11/22/2022



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11/22/2022

PLANS PREPARED BY:
Stantec
Stantec Consulting Services Inc.
4969 Centre Pointe Drive Suite 200
North Charleston, SC 29418
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	GROUP
R/W		DATE	

GEORGETOWN COUNTY
GEORGETOWN COUNTY
PLOVER DRIVE
PAVING IMPROVEMENTS
CONSTRUCTION DETAILS
SCALE: N.T.S. RTE. PLOVER DRIVE

REFERENCES NATIONAL DOCUMENTS SCDOT DOCUMENTS DESIGN STANDARDS OFFICE 610-005-00 714-105-00

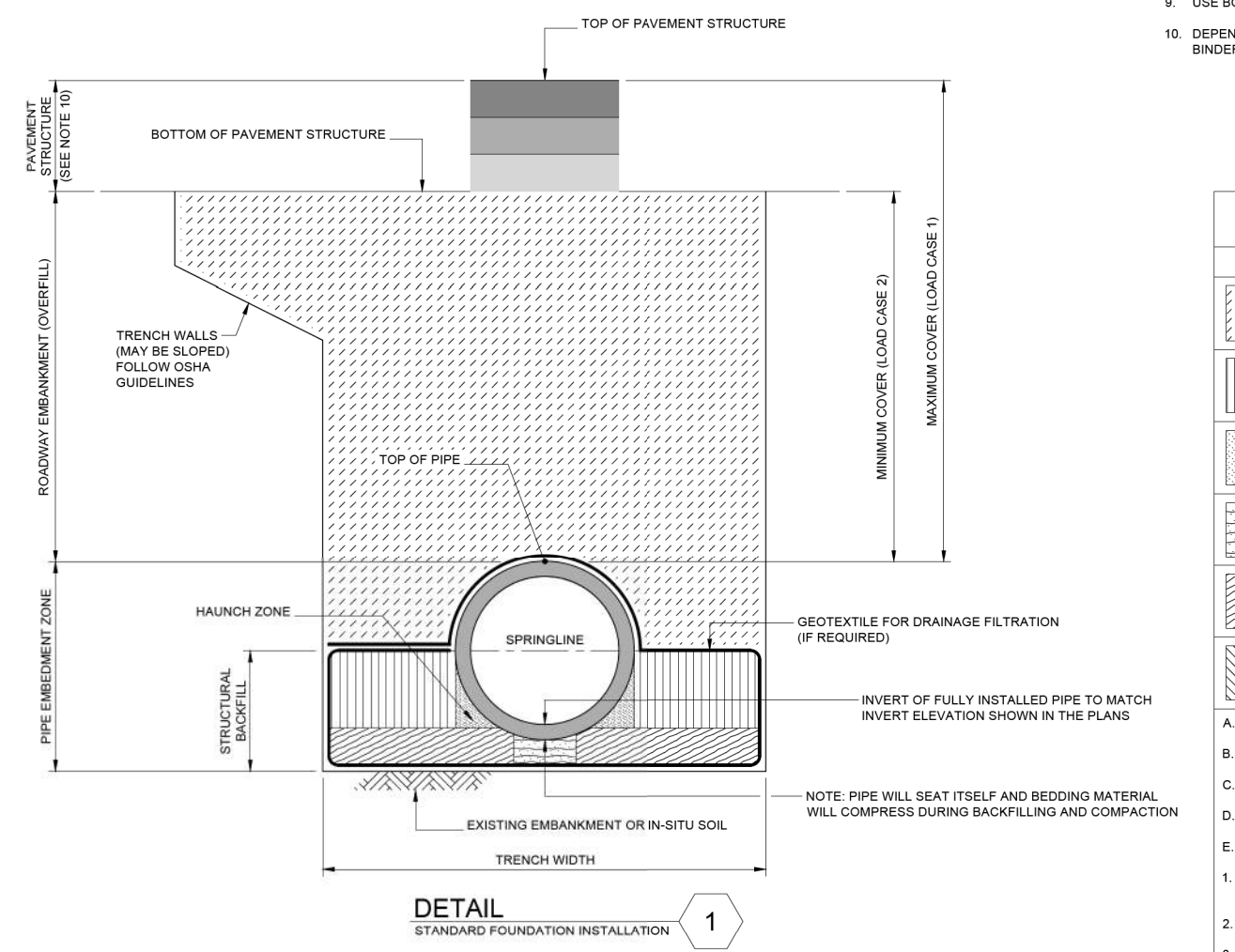
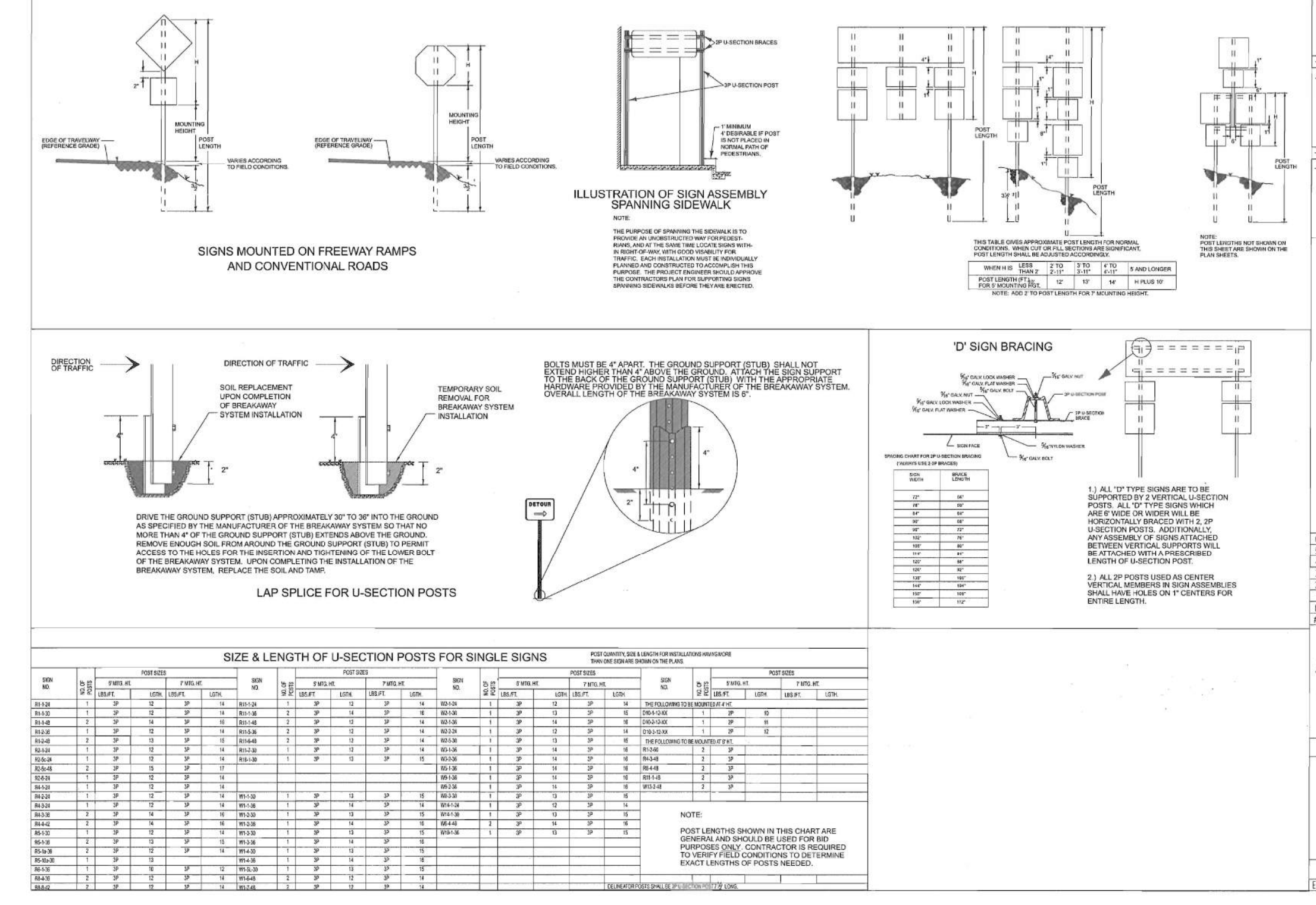


TABLE: 714-105A RIGID PIPE CULVERT STANDARD FOUNDATION. Table with columns for PATTERN, DESCRIPTION, COMPACTION, and MATERIAL.

FLAT SHEET SIGN MOUNTING DETAILS



REFERENCES SIGNING AND MARKING ENGINEER SOUTH CAROLINA PROFESSIONAL ENGINEER No. 23845

REFERENCES WORK ZONE TRAFFIC CONTROL ENGINEER SOUTH CAROLINA PROFESSIONAL ENGINEER No. 24242

FLAGGING OPERATIONS GENERAL NOTES. (ALL NOTES, SPECIFICATIONS AND REQUIREMENTS ON THIS STANDARD DRAWING APPLY TO ALL SUBSEQUENT STANDARD DRAWINGS REGARDING FLAGGING OPERATIONS UNLESS OTHERWISE NOTED)

SCHEME A, SCHEME B, SCHEME C, SCHEME D, SCHEME E. Diagrams showing various flagging schemes with square foot measurements (102, 194, 76, 152, 24 square feet).

REFERENCES WORK ZONE TRAFFIC CONTROL ENGINEER SOUTH CAROLINA PROFESSIONAL ENGINEER No. 24242

PLANS PREPARED BY: Stantec Stantec Consulting Services Inc. 4969 Centre Pointe Drive Suite 200 North Charleston, SC 29418 www.stantec.com

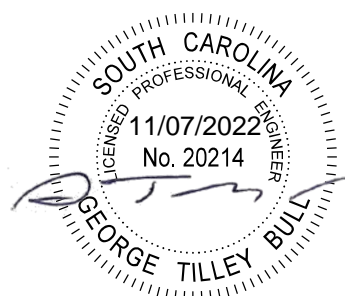


Table with columns: REV. NO., BY, DATE, DESCRIPTION OF REVISION. Includes TOPO, DWG, R/W, DATE, and GROUP columns.

GEORGETOWN COUNTY GEORGETOWN COUNTY PLOVER DRIVE PAVING IMPROVEMENTS CONSTRUCTION DETAILS SCALE: N.T.S. RTE. PLOVER DRIVE

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REFERENCES

NATIONAL DOCUMENTS:
ASTM C55, ASTM A76, ASTM A65, ASTM M27, ASTM M55, ASTM M58

SCDOT DOCUMENTS:
QUALIFIED PRODUCT LIST 14, QUALIFIED PRODUCT LIST 13

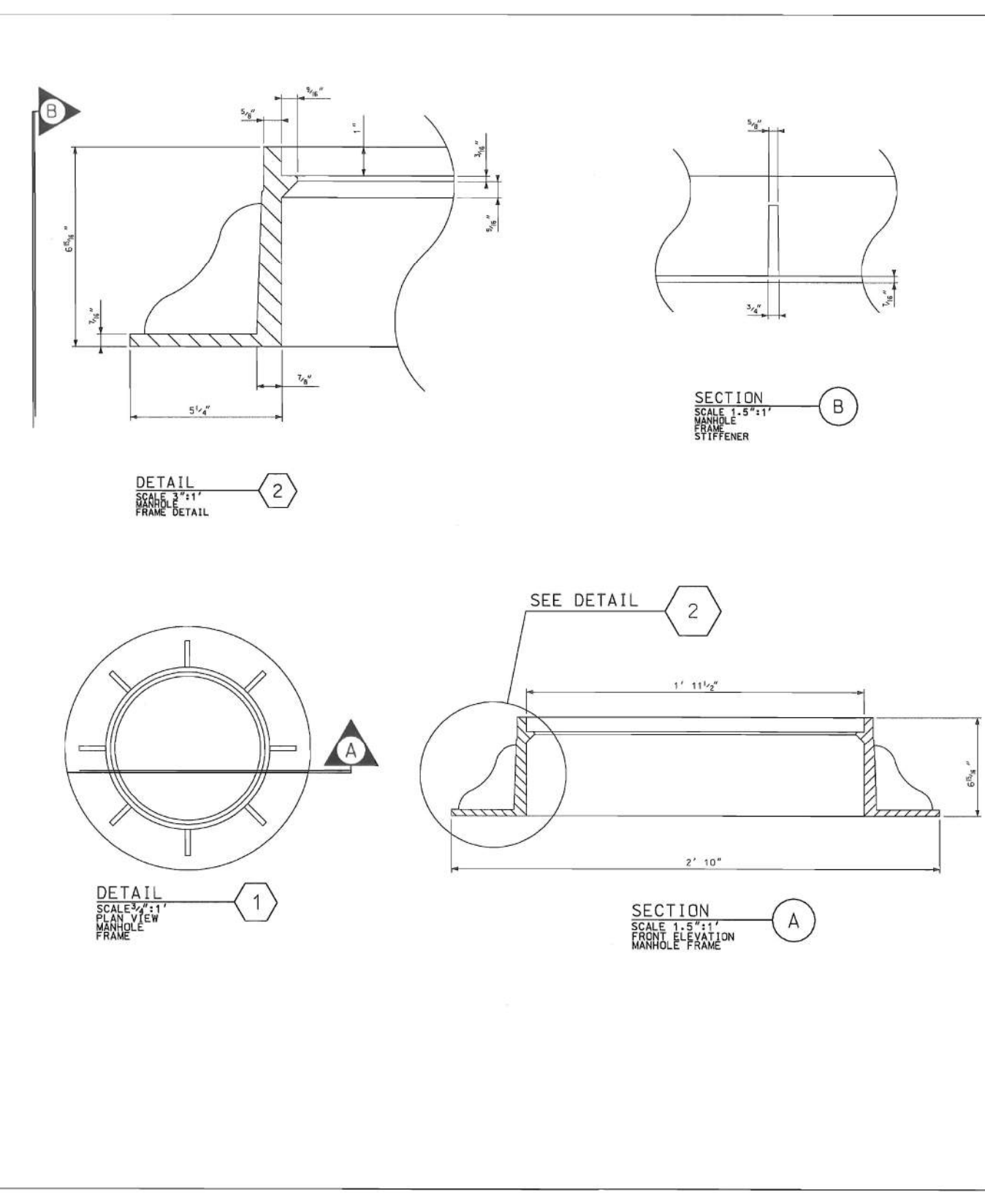
RELATED DRAWINGS & REVIEWS:
719-600-00, 719-500-00

PRECONSTRUCTION SUPPORT ENGINEER:
SOUTH CAROLINA PROFESSIONAL ENGINEER
NO. 8859
JAMES W. KENDALL, JR.
COLUMBIA, SC 29201

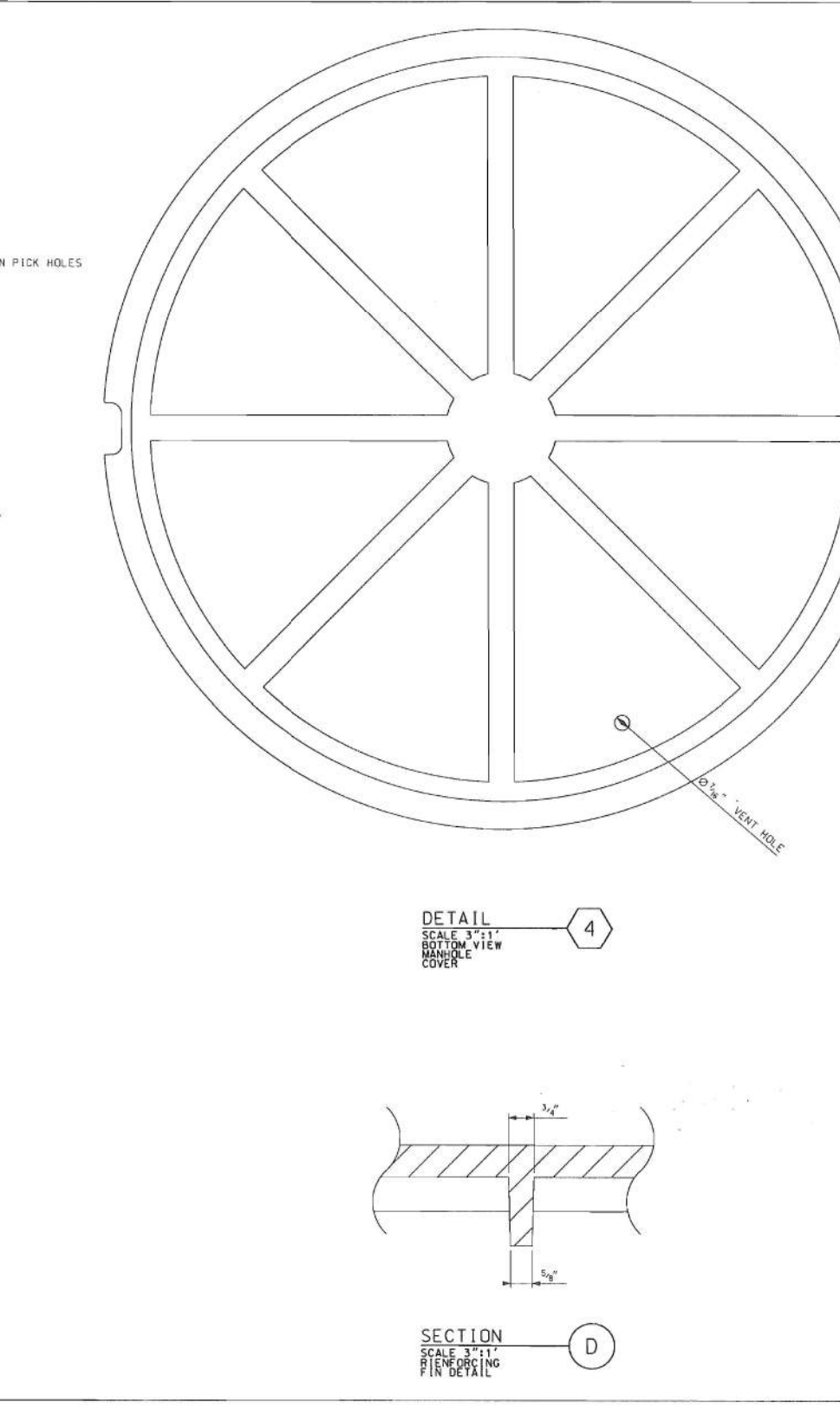
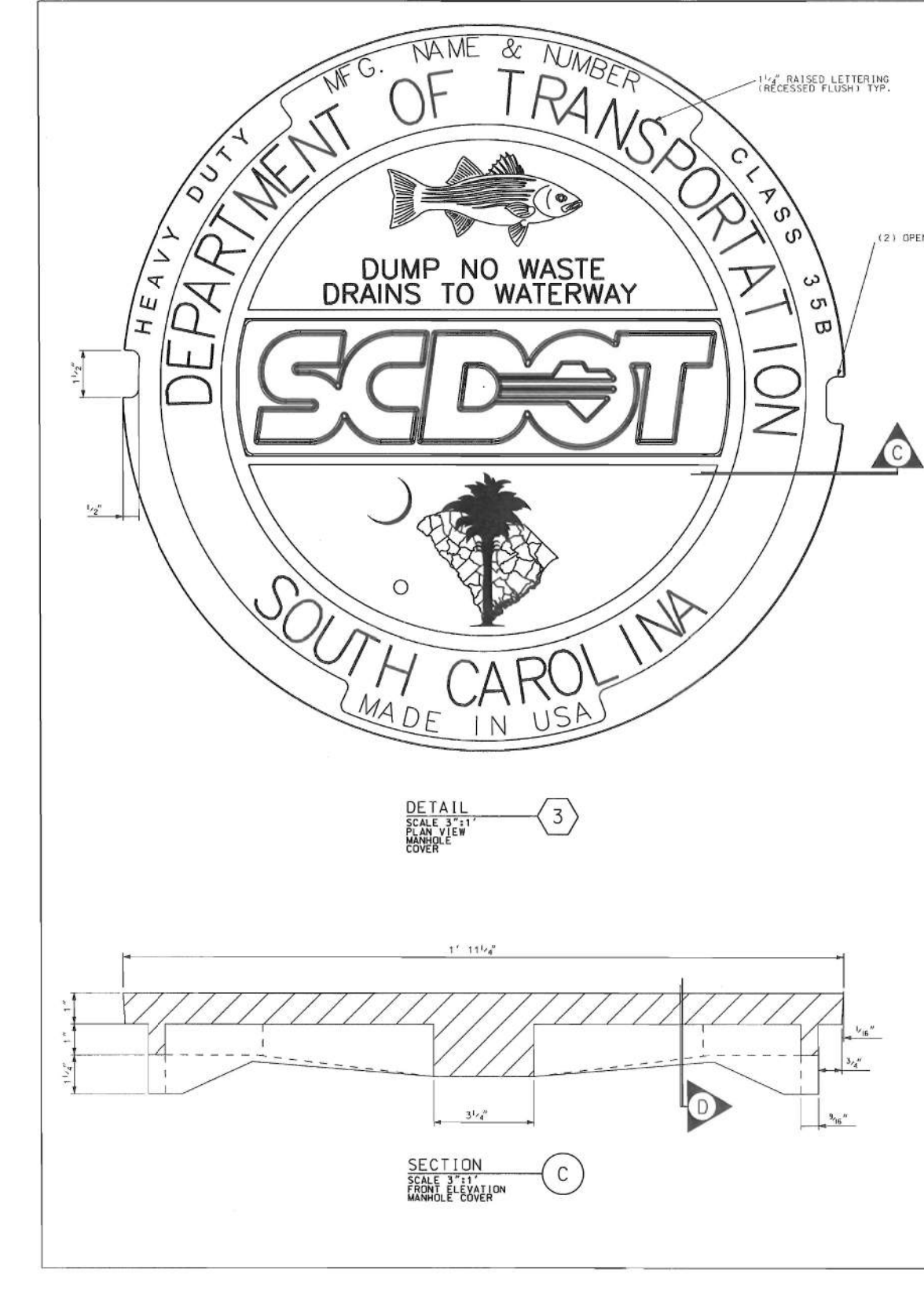
SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING:
DRAINAGE ACCESS MANHOLE ACCESS HEAVY DUTY CASTING

719-505-03
EFFECTIVE LITTING DATE: MAR. 2020



- NOTES:**
- FOR BUILT IN PLACE CONSTRUCTION OF THE MANHOLE, EITHER BRICK MASONRY WALLS OR 4" OR CLASS 2000 CONCRETE MAY BE USED FOR CONSTRUCTION. A MINIMUM 1/2" BRICK WALLS SHALL BE USED FOR CONSTRUCTION. A MINIMUM 1/2" CONCRETE SHALL BE USED FOR CONSTRUCTION.
 - BRICK WALLS ARE TO BE 8" THICK, CONCRETE BRICK AND SIMILAR SOLID UNITS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C 55, GRADE S 1.1.
 - CORRELLING (RACKING) OF BRICK MASONRY FOR MANHOLES SHALL BE AT A MIN. RATE OF 1/4" PER FOOT.
 - THE BOTTOM SLAB OF THE MANHOLE SHALL BE A MINIMUM OF 6" THICK REINFORCED CONCRETE. THE REINFORCEMENT SHALL BE 1/2" DIA. STEEL BARS PROVIDED AT A MINIMUM OF 12-12 SQUARE INCHES PER FOOT IN EACH DIRECTION. A MINIMUM OF 1/4" DIA. STEEL BARS SHALL BE USED IN LIEU OF STEEL BARS PROVIDED AT A MINIMUM OF 12-12 SQUARE INCHES PER FOOT IN EACH DIRECTION.
 - MORTAR SHALL BE TYPE S OR M.
 - REINFORCING STEEL SHALL BE ASTM A-706, LOW-ALLOY STEEL REINFORCING BARS FOR CONCRETE. THE REINFORCEMENT SHALL BE 1/2" DIA. STEEL BARS PROVIDED AT A MINIMUM OF 12-12 SQUARE INCHES PER FOOT IN EACH DIRECTION.
 - SEE STANDARD DRAWING 719-500-00 FOR STEPS, WHICH ARE REQUIRED WHEN STRUCTURE DEPTH EXCEEDS 4' 6".
 - PRECAST CONCRETE CIRCULAR DRAINAGE STRUCTURES FOR INSTALLATION SHALL BE CAST FROM THE TOP OF THE DRAINAGE PIPE UP TO THE TOP OF THE DRAINAGE PIPE.
 - LOCATION AND SIZE OF PIPES ARE SITE SPECIFIC (SEE DRAINAGE PLANS). THE BOTTOM OF THE CASTING SHALL BE 1/2" BELOW THE FINISH GRADE. THE BOTTOM OF THE CASTING SHALL BE 1/2" BELOW THE FINISH GRADE. THE BOTTOM OF THE CASTING SHALL BE 1/2" BELOW THE FINISH GRADE.
 - FOR CONCENTRIC AND ECCENTRIC CONES REFER TO STD. DRAWINGS 719-400-00.
 - CASTINGS SHALL CONFORM TO ASTM M 105, CLASS 35 B. CASTING SHALL MEET LOAD TEST OF ASTM M 105.
 - CASTINGS SHALL BE MANUFACTURED SO AS TO PREVENT THE COVER FROM RATTLING UNDER TRAFFIC.
 - ONLY ONE VENT HOLE (1" DIA.) SHALL BE MANUFACTURED IN COVER WITH 2 PICK HOLES (1/2" DIA.).
 - ALTERNATE COVER SIZES THAT MEET THE ABOVE SPECIFICATION ARE ACCEPTABLE. MANHOLE SHALL BE LINED UP WITH THE INTERIOR OF THE BOX AS SHOWN.
 - ALL MANUFACTURING PROCESSES FOR THE MANHOLE COVER AND RING MUST OCCUR IN THE SAME MANUFACTURING FACILITY.
 - THE CONTRACT UNIT PRICE FOR MANHOLES SHALL INCLUDE THE COST OF FURNISHING ALL MATERIALS, INCLUDING THE PRICE OF PRECAST AND WORK INCIDENTAL TO THE INSTALLATION OF PRECAST ITEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND CALCULATIONS TO THE ENGINEER OF RECORD FOR REVIEW.
 - THE USE OF PRECAST UNITS WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS AND CALCULATIONS TO THE ENGINEER OF RECORD FOR REVIEW.
 - CASTING MANUFACTURER MUST MEET ALL OTHER REQUIREMENTS OF QUALIFIED PRODUCT LIST 14.
 - PRECAST ITEMS MODIFIED FROM THIS STANDARD SHALL NOT BE LISTED ON QUALIFIED PRODUCT LIST 14 UNLESS CONTRACTOR MAY SUBMIT DESIGN DRAWINGS AND CALCULATIONS TO THE ENGINEER OF RECORD FOR REVIEW.
 - JOINTS BETWEEN INSTALLED PIECES AND PRECAST ITEMS TO PLACE SHALL BE QUALIFIED PRODUCT LIST 13.1.
- PRECAST INSTALLATION NOTES:**
- PIPES SHALL BE PREPARED AND COMPACTED FOR PRECAST DRAINAGE STRUCTURE AS REQUIRED BY SHOP STANDARD SPECIFICATIONS FOR PRECAST CONCRETE STRUCTURES. ALL PIPES AND CIRCULAR DRAINAGE STRUCTURES SHALL BE BACKFILLED AND COMPACTED AS REQUIRED BY SHOP STANDARD SPECIFICATIONS FOR PRECAST CONCRETE STRUCTURES. ALL PIPES AND CIRCULAR DRAINAGE STRUCTURES SHALL BE BACKFILLED AND COMPACTED AS REQUIRED BY SHOP STANDARD SPECIFICATIONS FOR PRECAST CONCRETE STRUCTURES.
 - PLACE AND LEVEL PRECAST CIRCULAR DRAINAGE STRUCTURE.
 - PIPES SHALL BE INSTALLED AND GROUTED IN PLACE.
 - PIPES AND CIRCULAR DRAINAGE STRUCTURES SHALL BE BACKFILLED AND COMPACTED AS REQUIRED BY SHOP STANDARD SPECIFICATIONS FOR PRECAST CONCRETE STRUCTURES.
 - ANY LOCATION WHERE THE ABOVE REQUIREMENTS CANNOT BE MET SHALL BE COMPLETED USING CAST-IN-PLACE CONCRETE. THE REQUIREMENTS OF THIS STANDARD DRAWING SHALL APPLY TO ALL MATERIALS AND COSTS ASSOCIATED WITH THIS CAST-IN-PLACE CONCRETE.
 - PRECAST CONCRETE CIRCULAR STRUCTURES AS SHOWN ON 719-400-00 ARE REQUIRED PROVISIONS.
 - ON DRAINAGE STRUCTURES WITH A DEPTH EQUAL TO OR GREATER THAN 12 FEET.
 - ON DRAINAGE STRUCTURES WHERE THE FINISH ELEVATION OF THE INLET PIPE IS EQUAL TO OR GREATER THAN THE FINISH ELEVATION OF THE OUTLET PIPE.
 - AS REQUIRED BY THE PROJECT PLANS.
 - THE PAY ITEM SHALL BE: MANHOLE ACCESS CASTING



REFERENCES

NATIONAL DOCUMENTS:
ASTM C55, ASTM A76, ASTM A65, ASTM M27, ASTM M55, ASTM M58

SCDOT DOCUMENTS:
QUALIFIED PRODUCT LIST 14, QUALIFIED PRODUCT LIST 13

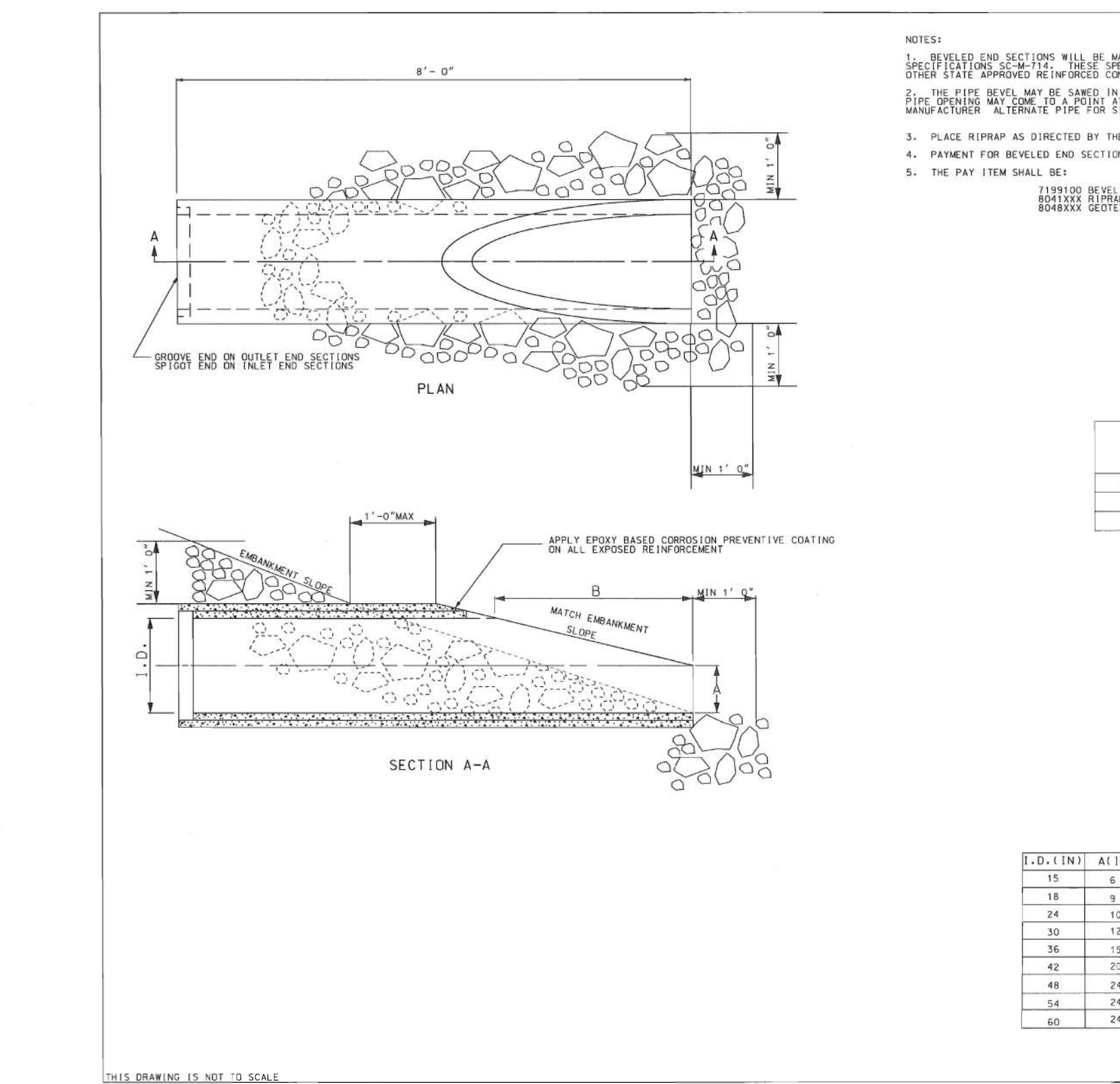
RELATED DRAWINGS & REVIEWS:
719-400-00, 719-500-00

PRECONSTRUCTION SUPPORT ENGINEER:
SOUTH CAROLINA PROFESSIONAL ENGINEER
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SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING:
DRAINAGE ACCESS MANHOLE ACCESS HEAVY DUTY CASTING

719-505-04
EFFECTIVE LITTING DATE: JAN. 2021



- REFERENCES**
- NATIONAL DOCUMENTS:**
ASTM M 21
- SCDOT DOCUMENTS:**
SCDOT SUPPLEMENTAL TECHNICAL SPECIFICATION S-217H
- PRECONSTRUCTION SUPPORT ENGINEER:**
SOUTH CAROLINA PROFESSIONAL ENGINEER
NO. 21242
JAMES W. KENDALL, JR.
COLUMBIA, SC 29201
- SCDOT**
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201
- STANDARD DRAWING:**
END TREATMENT (RCP BEVELED END)
- 719-610-00
EFFECTIVE LITTING DATE: JAN. 2021
- NOTES:**
- BEVELED END SECTIONS WILL BE MANUFACTURED IN ACCORDANCE WITH SCDOT SUPPLEMENTAL TECHNICAL SPECIFICATION S-217H. SPECIAL PIPE SECTIONS WILL BE MADE DURING THE MANUFACTURING OF OTHER CAST APPROVED REINFORCED CONCRETE PIPE.
 - THE PIPE BEVEL MAY BE SAWN IN THE FIELD IN LIEU OF BEING MANUFACTURED. IN FIELD SAWING, THE PIPE BEVEL MAY COME TO A POINT AT A RADIUS GREATER THAN A RADIUS SPECIFIED BY THE MANUFACTURER. ALTERNATE PIPE FOR SIDE LINES MUST HAVE EACH END BEVELED TO MATCH THE ADJACENT SLOPES.
 - PLACE RIPRAP AS DIRECTED BY THE RCP.
 - PAYMENT FOR BEVELED END SECTIONS WILL BE AS DIRECTED IN SC-M-714.
 - THE PAY ITEM SHALL BE: 719600 INVEILING OF PIPE ENDS.....EA. 804XXX GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP CLASS 2) TYPE.....SY.
- CHART 719-610B RIPRAP PLACEMENT**
- | CLASS | D ₅₀ (FT) | THICKNESS (FT) |
|-------|----------------------|----------------|
| A | 0.50 | 1.00 |
| B | 0.75 | 1.50 |
| C | 1.30 | 2.60 |
- TABLE 719-610A EMBANKMENT SLOPE**
- | I.D. (IN) | A (IN) | B (BEVELED LENGTH) (IN) | | | |
|-----------|--------|-------------------------|----|----|----|
| | | 6 | 5 | 4 | 3 |
| 15 | 6 | 54 | 45 | 36 | 27 |
| 18 | 9 | 54 | 45 | 36 | 27 |
| 24 | 12 | NA | 70 | 56 | 42 |
| 30 | 12 | NA | 72 | 54 | 36 |
| 36 | 15 | NA | NA | 54 | 42 |
| 42 | 22 | NA | NA | 56 | 44 |
| 48 | 24 | NA | NA | 72 | 48 |
| 54 | 24 | NA | NA | NA | 60 |
| 60 | 24 | NA | NA | NA | 72 |

REFERENCES

NATIONAL DOCUMENTS:
ASTM M 21

SCDOT DOCUMENTS:
SCDOT SUPPLEMENTAL TECHNICAL SPECIFICATION S-217H

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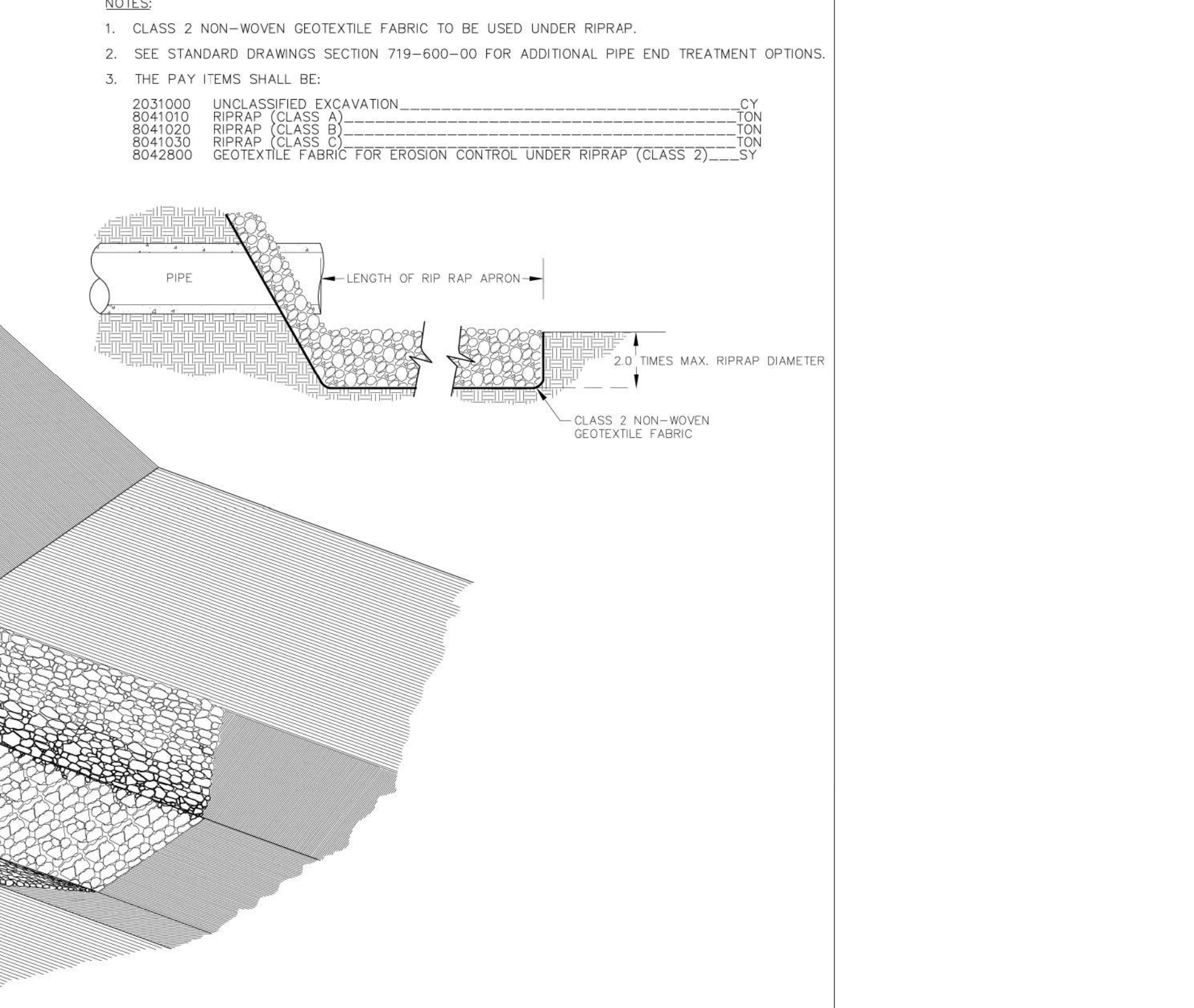
STANDARD DRAWING:
OUTLET PROTECTION WITH DEFINED CHANNEL

804-310-00
EFFECTIVE LITTING DATE: JULY 2017

CHART 804-310A SLOPE STABILIZATION RIPRAP PLACEMENT WITH MINIMUM TAILWATER

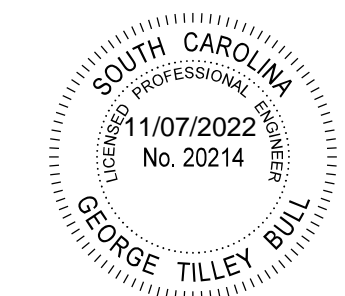
MINIMUM CLASS*	D ₅₀ (FT)	MINIMUM THICKNESS (FT)	OUTSIDE PIPE DIAMETER
A	0.50	1.00	UP TO 24"
B	0.75	1.50	UP TO 36"
C	1.30	2.60	LARGER THAN 36"

*WHEN RIPRAP CHANNEL IS PRESENT, USE SAME CLASS OF RIPRAP ON SLOPE AS SPECIFIED FOR CHANNEL ON PLANS.



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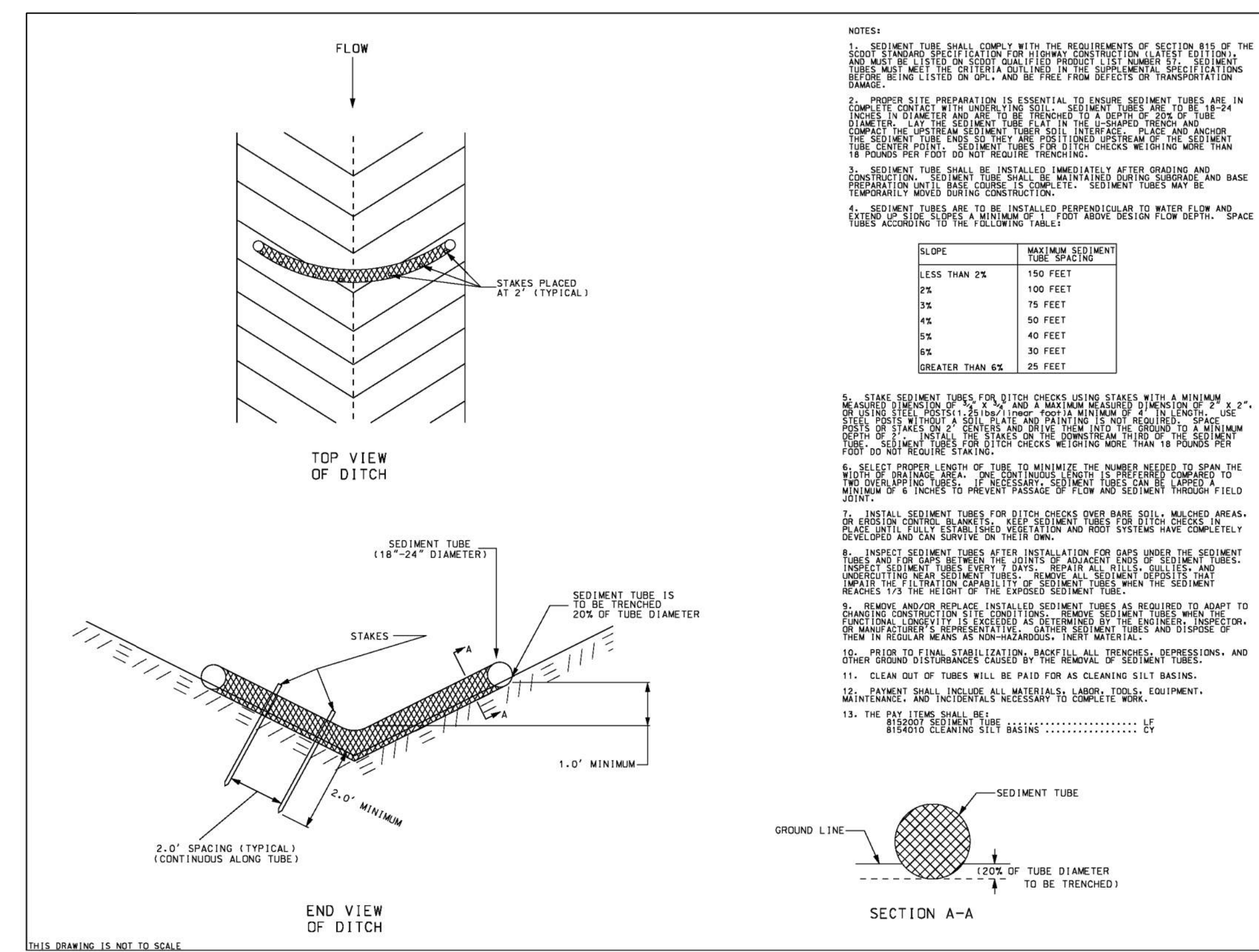
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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TOPO. _____ DATE _____
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GEORGETOWN COUNTY
GEORGETOWN COUNTY
PLOVER DRIVE
PAVING IMPROVEMENTS
CONSTRUCTION DETAILS
SCALE: N.T.S. RTE. PLOVER DRIVE



REFERENCES

NATIONAL DOCUMENTS

SCDOT DOCUMENTS

RELATED DRAWINGS & KEYWORDS

PRECONSTRUCTION SUPPORT ENGINEER

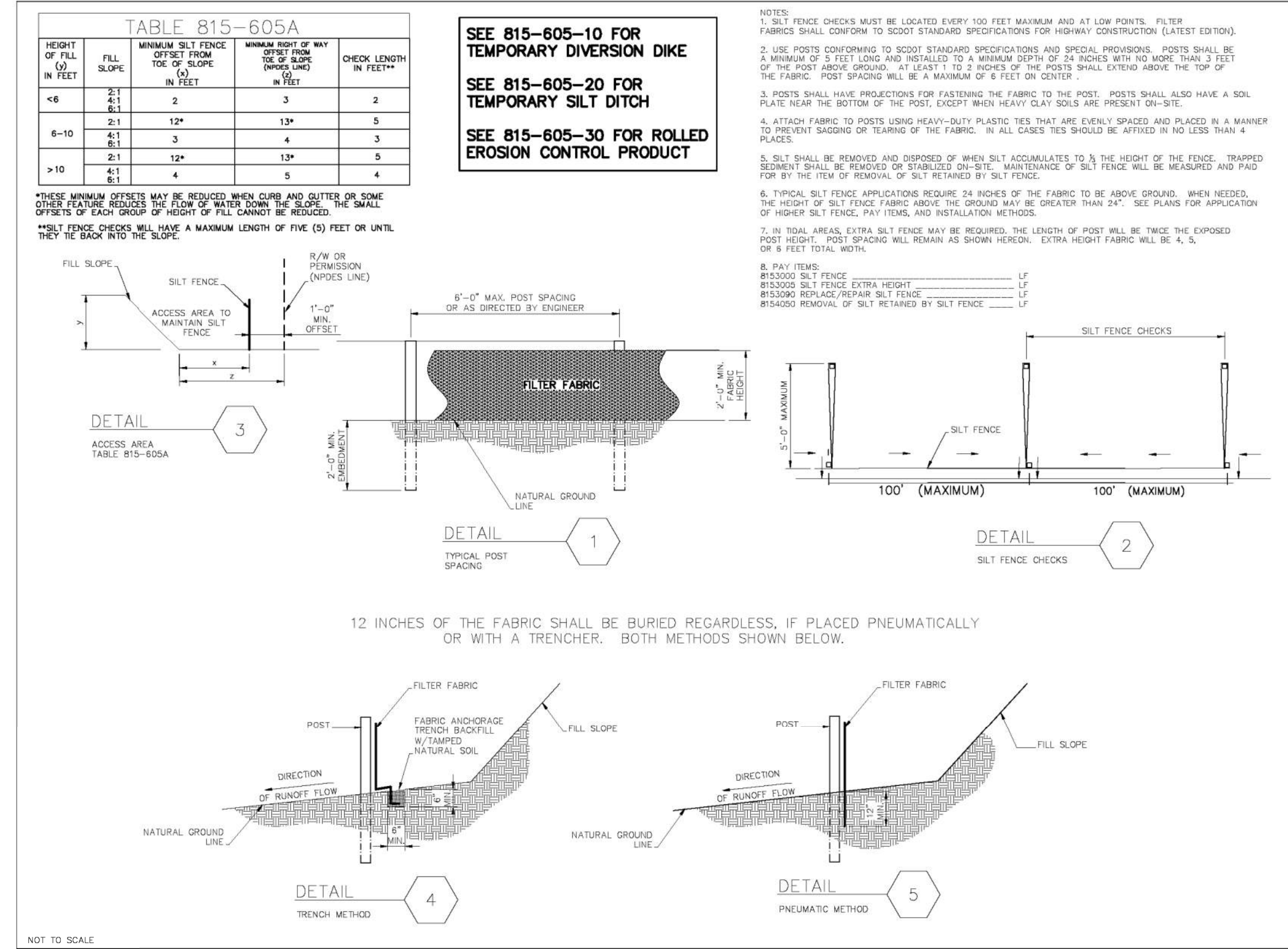
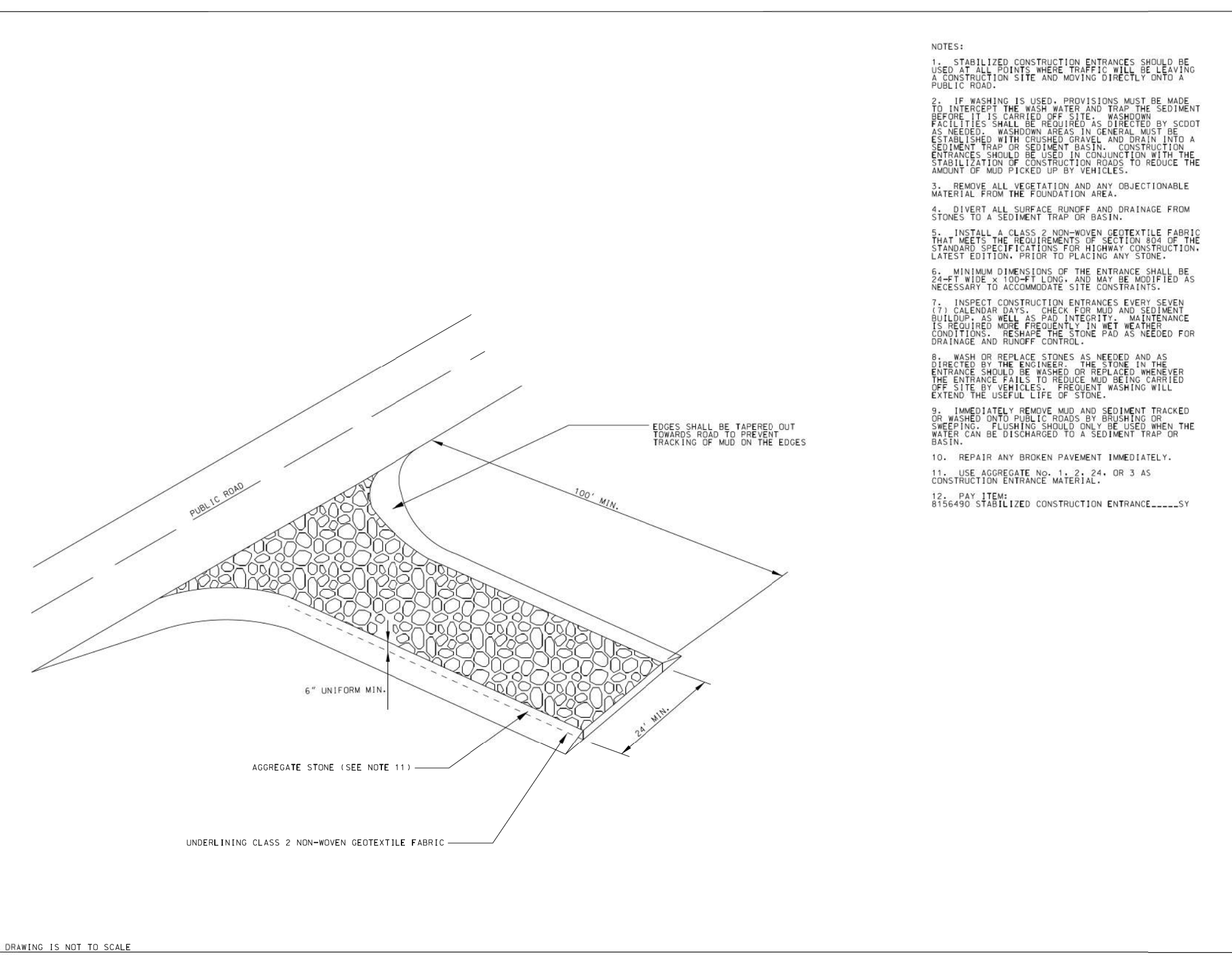
SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. 21242
JAMES W. KENDALL, JR.

SIGNATURE: James W. Kendall, Jr.
DATE: 11/09/2016

SCDOT
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955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING
STABILIZED CONSTRUCTION ENTRANCE

815-505-00
OFFICE LETTING DATE: JULY 2017



REFERENCES

NATIONAL DOCUMENTS

SCDOT DOCUMENTS

RELATED DRAWINGS & KEYWORDS

TEMPORARY SILT FENCE

SOUTH CAROLINA
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No. 21242
JAMES W. KENDALL, JR.

SIGNATURE: James W. Kendall, Jr.
DATE: 11/10/2016

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955 PARK STREET
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STANDARD DRAWING
TEMPORARY SILT FENCE

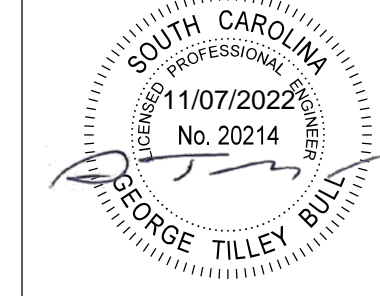
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OFFICE LETTING DATE: JULY 2017

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11/22/2016

PLANS PREPARED BY:

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GEORGETOWN COUNTY

GEORGETOWN COUNTY
PLOVER DRIVE
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CONSTRUCTION DETAILS

SCALE: N.T.S. RTE. PLOVER DRIVE