



**BRIDGE PLANS BOUND
UNDER SEPARATE COVER**

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	1	295

SHEET NO.	DESCRIPTION	SHEET SUBTOTALS
1	TITLE SHEET	1
1A	R/W TITLE SHEET (FOR INFORMATION ONLY)	1
2A-2B	SUMMARY OF ESTIMATED QUANTITIES	2
2C	MOVING ITEM SHEET	1
3-3D	TYPICAL SECTIONS	5
4	R/W DATA SHEET	1
4A-4B	PROPERTY LAYOUT SHEETS	2
5	GENERAL CONSTRUCTION NOTES	1
5A-5C	REFERENCE SHEETS	3
6-24	PLAN AND PROFILE SHEETS	19
D1-D10	DRAINAGE PLAN SHEETS	12
TC1-TC41	TRAFFIC CONTROL SHEETS	41
PM1-PM10	PAVEMENT MARKING AND SIGNING PLANS	10
TS1-TTS2.2	TRAFFIC SIGNAL PLANS	5
S1-S5	ROADWAY STRUCTURE PLANS (CULVERT)	5
G1-G3	GEOTECHNICAL DETAILS	3
EC1-EC15	EROSION CONTROL SHEETS	15
U1 - U5	UTILITY SHEETS	5
UC00-UC25	UTILITY CONSTRUCTION SHEETS	28
X1 - X86	CROSS SECTIONS M/L	86
X87 - X119	CROSS SECTIONS SIDE ROAD	33
X120 - X128	DRIVEWAY AND SIDE ROAD PROFILES	9
X129 - X135	CROSS LINE PIPE PROFILES	7
	TOTAL	295

PROPOSED PLANS FOR YORK COUNTY PROJECT ID 0041800 YORK CO. PROJECT NO. 03020-013/11149-009 SC 557 ROADWAY IMPROVEMENT PROJECT

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

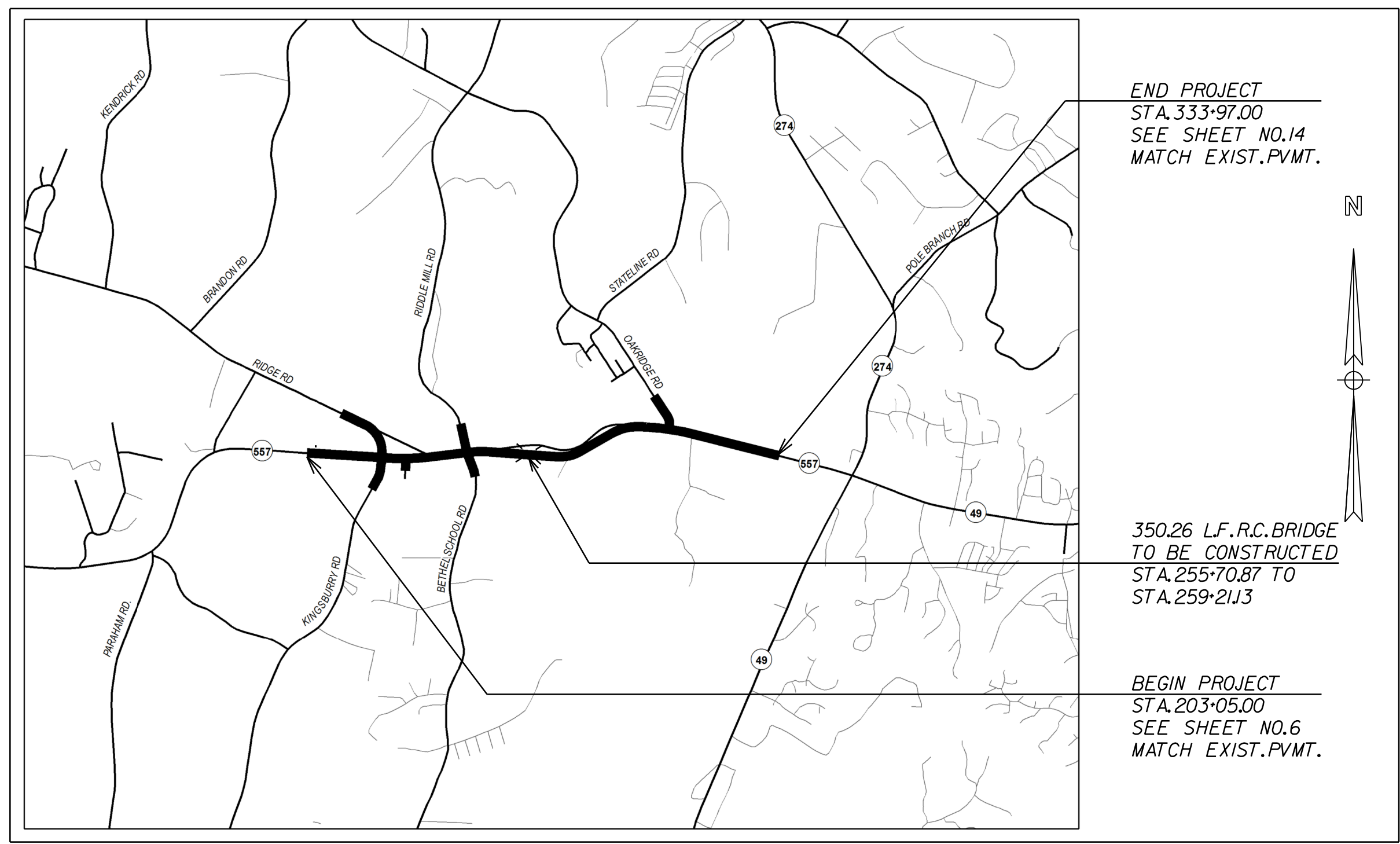
Design Reference for these plans is the:
2001
AASHTO "A Policy on Geometric Design of Highways and Streets"

NPDES PERMIT INFORMATION
Disturbed Area = 44.9 Acre(s)
Project Area = 47.9 Acre(s)

Approximate Location of Roadway is
Begin
Latitude 35° 07' 13" N
Longitude 81° 07' 57" W
End
Latitude 35° 07' 11" N
Longitude 81° 05' 20" W

Hydraulic and NPDES Design provided by:
NV5 ENGINEERS AND CONSULTANTS
Designs may be obtained from the SCDOT Regional Production Group

ENVIRONMENTAL PERMIT INFORMATION			
USACE PERMIT	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	
NEPA DOCUMENT	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
401 CERTIFICATION	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	
OCRM CAP	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
NAVIGABLE WATERS	<input checked="" type="checkbox"/> SC	<input type="checkbox"/> USCG	<input type="checkbox"/> USACE <input type="checkbox"/> N/A



LAYOUT
SCALE 1 INCH = 3,000 FEET
YORK COUNTY

	SC 557	RIDGE RD	KINGSBURY RD	PHARR YARNS INC. DRIVEWAY	BETHEL SCHOOL RD	RIDDLE MILL RD	DAVIS MILL RD	OAKRIDGE RD	GLENN BRANDON RD	TOTAL	
NET LENGTH OF ROADWAY	2.414	0.226	0.148	0.045	0.112	0.100	0.033	0.093	0.031	3.202	MILES
NET LENGTH OF BRIDGES	0.066	—	—	—	—	—	—	—	—	0.066	MILES
NET LENGTH OF PROJECT	2.480	0.226	0.148	0.045	0.112	0.100	0.033	0.093	0.031	3.268	MILES
LENGTH OF EXCEPTIONS	—	—	—	—	—	—	—	—	—	—	MILES
GROSS LENGTH OF PROJECT	2.480	0.226	0.148	0.045	0.112	0.100	0.033	0.093	0.031	3.268	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?
 / NO

TRAFFIC DATA	
2024 ADT	16,600
2044 ADT	20,100
TRUCKS	7.5 %

SCDOT REVIEW	RIGHT-OF-WAY		CONSTRUCTION	
	INITIAL	DATE	INITIAL	DATE
PRECONSTRUCTION SUPPORT - ROAD				
PRECONSTRUCTION SUPPORT - STRUCTURES				
RPG - DESIGN MANAGER				
RPG - PROGRAM MANAGER				

THE INITIALS ABOVE DO NOT RELIEVE THE ENGINEER OF RECORD OF THE RESPONSIBILITY TO DESIGN THIS PROJECT IN ACCORDANCE WITH ALL APPLICABLE CRITERIA.

For Right Of Way Acquisition:
SEE SHEET 1A
Steve Drum
Consultant Engineer of Record
Date _____

CONSULTING ENGINEERING FIRM

NV5
NV5 ENGINEERS & CONSULTANTS, INC.
7300 E. INDEPENDENCE BLVD., STE 100
CHARLOTTE, NC 28227
P: 704.537.7300 www.NV5.com
NC License # 14338

ENGINEER OF RECORD

DocuSigned by:
Steve A. Drum
No. 17359
7/27/2023

DocuSigned by:
David P. Bocker
No. 23635
7/27/2023

FOR CONSTRUCTION: _____ DATE _____



**BRIDGE PLANS BOUND
UNDER SEPARATE COVER**

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	1A	173

SHEET NO.	INDEX OF SHEETS DESCRIPTION	SHEET SUBTOTALS
1	TITLE SHEET (RIGHT-OF-WAY) TITLE SHEET (CONSTRUCTION) SUMMARY OF ESTIMATED QUANTITIES MOVING ITEM SHEET	1 OMITTED OMITTED OMITTED
3-3D	TYPICAL SECTIONS	5
4	R/W DATA SHEET	1
4A-4B	PROPERTY LAYOUT SHEETS GENERAL CONSTRUCTION NOTES	2 OMITTED
5A-5C	REFERENCE SHEETS	3
6-24	PLAN AND PROFILE	19
D1-D10	DRAINAGE PLAN SHEETS TRAFFIC CONTROL SHEETS PAVEMENT MARKING PLANS TRAFFIC SIGNAL PLANS	12 OMITTED OMITTED OMITTED
EC1-EC2	EROSION CONTROL SHEET	2
X1 - X84	CROSS SECTIONS M/L	84
X85 - X111	CROSS SECTIONS SIDE ROAD	27
X112 - X118	DRIVEWAY PROFILES	7
X119 - X125	CROSS LINE PIPE PROFILES	7
	TOTAL	170

**PROPOSED PLANS
FOR
YORK COUNTY
PROJECT ID 0041800
YORK CO. PROJECT NO. 03020-013/11149-009
SC 557 ROADWAY IMPROVEMENT PROJECT**

FOR INFORMATION ONLY

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:
2001
AASHTO "A Policy on Geometric Design of Highways and Streets"

NPDES PERMIT INFORMATION
Disturbed Area = 43.235 Acre(s)
Permitted Area = 69.681 Acre(s)

Approximate Location of Roadway is
Begin
Latitude 35° 07' 13" N
Longitude 81° 07' 57" W
End
Latitude 35° 07' 11" N
Longitude 81° 05' 20" W

Hydraulic and NPDES Design provided by:
CALYX ENGINEERS AND CONSULTANTS
Designs may be obtained from the SCDOT Regional Production Group

ENVIRONMENTAL PERMIT INFORMATION			
USACE PERMIT	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	
NEPA DOCUMENT	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
401 CERTIFICATION	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	
OCRM CAP	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
NAVIGABLE WATERS	<input checked="" type="checkbox"/> SC	<input type="checkbox"/> USCG	<input type="checkbox"/> USACE <input type="checkbox"/> N/A

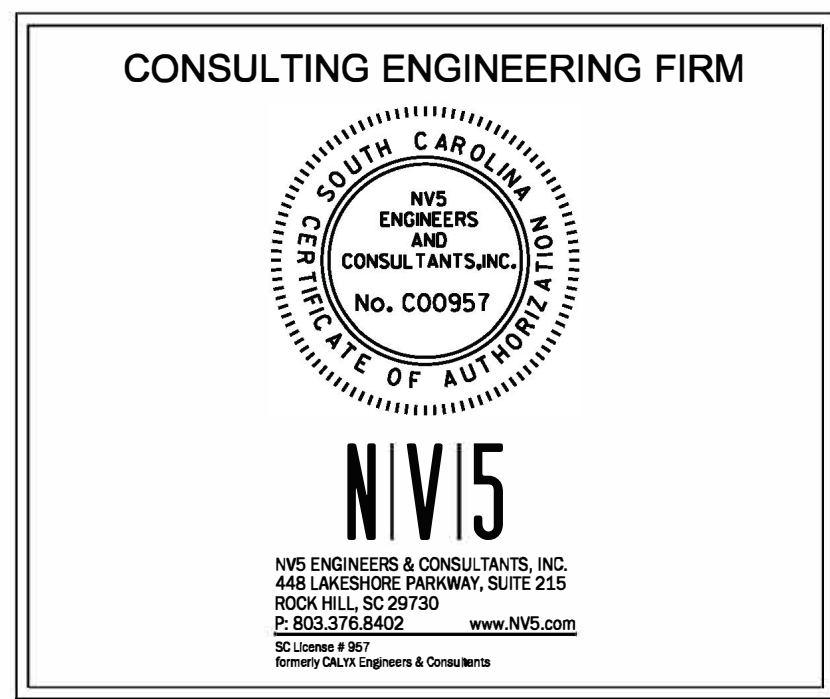


LAYOUT
SCALE 1 INCH = 3,000 FEET

	SC 557	RIDGE RD	KINGSBURY RD	PHARR YARNS INC. DRIVEWAY	BETHEL SCHOOL RD	RIDDLE MILL RD	DAVIS MILL RD	OAKRIDGE RD	GLENN BRANDON RD	TOTAL	
NET LENGTH OF ROADWAY	2.413	0.226	0.148	0.045	0.112	0.100	0.033	0.029	0.034	3.140	MILES
NET LENGTH OF BRIDGES	0.067	—	—	—	—	—	—	—	—	0.067	MILES
NET LENGTH OF PROJECT	2.480	0.226	0.148	0.045	0.112	0.100	0.033	0.029	0.034	3.207	MILES
LENGTH OF EXCEPTIONS	—	—	—	—	—	—	—	—	—	—	MILES
GROSS LENGTH OF PROJECT	2.480	0.226	0.148	0.045	0.112	0.100	0.033	0.029	0.034	3.207	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.



SCDOT REVIEW	RIGHT-OF-WAY		CONSTRUCTION	
	INITIAL	DATE	INITIAL	DATE
PRECONSTRUCTION SUPPORT - ROAD				
PRECONSTRUCTION SUPPORT - STRUCTURES				
RPG - DESIGN MANAGER				
RPG - PROGRAM MANAGER				

THE INITIALS ABOVE DO NOT RELIEVE THE ENGINEER OF RECORD OF THE RESPONSIBILITY TO DESIGN THIS PROJECT IN ACCORDANCE WITH ALL APPLICABLE CRITERIA.

For Right Of Way Acquisition:
Steve Drum
Steve Drum
Consultant Engineer of Record
9/5/2017
Date

ENGINEER OF RECORD
FOR CONSTRUCTION : _____
STEVE DRUM, P.E.
PROGRAM MANAGER
DATE _____

3 DAYS BEFORE DIGGING IN
SOUTH CAROLINA
CALL 811
SOUTH CAROLINA 811 (SC811)
WWW.SC811.COM
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RAILROAD INVOLVEMENT?
 / NO

TRAFFIC DATA
2017 ADT 16,100
2037 ADT 19,600
TRUCKS 7.5 %



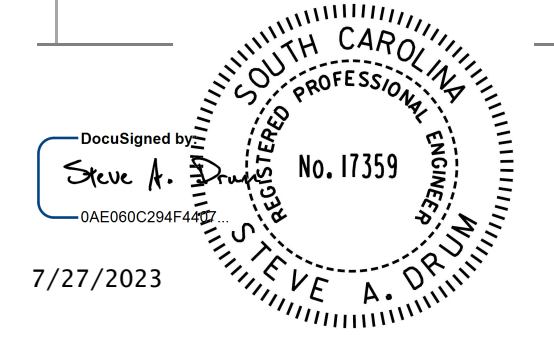
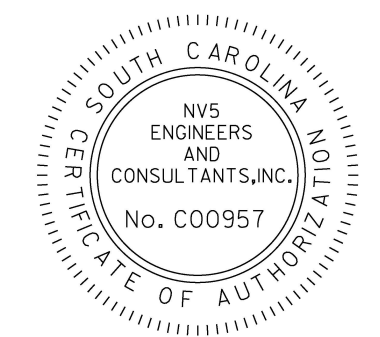
SUMMARY OF ESTIMATED QUANTITIES

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE/ROAD NO.	SHEET NO.
3	S.C.	YORK	0041800	557	2A

ITEM NO.	PAY ITEM	QUANTITY	PAY UNIT
1031000	MOBILIZATION	NEC	LS
1031100	MOBILIZATION - SUBCONTRACTOR	NEC	LS
1031200	BRIDGE CONSTRUCTION ACCESS	NEC	LS
1032010	BONDS AND INSURANCE	NEC	LS
1050800	CONSTRUCTION STAKES, LINES & GRADES	1.000	EA
1052000	UTILITY RELOCATION NO. 001	1.000	EA
1052000	UTILITY RELOCATION NO. 002	1.000	EA
1052001	UTILITY STAKING	NEC	LS
1071000	TRAFFIC CONTROL	NEC	LS
1080300	CPM PROGRESS SCHEDULE	NEC	LS
1090200	AS-BUILT CONSTRUCTION PLANS	NEC	LS
2011000	CLEARING & GRUBBING WITHIN RIGHT OF WAY	NEC	LS
2013050	CLEARING & GRUBBING DITCHES	0.500	ACRE
2021000	REMOVAL OF STRUCTURES & OBSTRUCTIONS	NEC	LS
2021005	REMOVAL & DISPOSAL OF EXISTING CATCH BASIN	2.000	EA
2021015	REMOVAL & DISPOSAL OF EXISTING MANHOLE	3.000	EA
2021210	REMOVAL & DISPOSAL OF HIGH LEVEL CONTAMINATED SOIL	100.000	TON
2025000	REMOVAL & DISPOSAL OF EXISTING ASPHALT PAVEMENT	24000.000	SY
2027801	REMOVAL OF EXIST. GUARDRAIL	790.000	LF
2028500	REMOVAL & DISPOSAL OF EXISTING CULVERT(7')X(7')	1.000	EA
2031000	UNCLASSIFIED EXCAVATION	78680.000	CY
2033000	BORROW EXCAVATION	220926.000	CY
2033100	BORROW PIT SET-UP	NEC	LS
2036020	GEOTEXTILE, SEPARATION	1074.000	SY
2037000	GEOGRID REINFORCEMENT (UNIAXIAL)	4261.000	SY
2037030	GEOGRID STABILIZATION	1074.000	SY
2041000	STRUCTURE EXCAVATION FOR CULVERTS	379.700	CY
2052020	GRANULAR BRIDGE LIFT MATERIAL	1874.000	CY
2081001	FINE GRADING	77000.000	SY
2103000	FLOWABLE FILL	30.000	CY
3050112	GRADED AGGREGATE BASE COURSE (12" UNIFORM)	30900.000	SY
3069900	MAINTENANCE STONE	5000.000	TON
3100310	HOT MIX ASPHALT BASE COURSE - TYPE A	12350.000	TON
4010005	PRIME COAT	8535.000	GAL
4011004	LIQUID ASPHALT BINDER PG64-22	2322.000	TON
4012080	FULL DEPTH ASPH. PAV. PATCHING 8" UNIF	500.000	SY
4013990	MILLING EXISTING ASPHALT PAVEMENT (VARIABLE)	4720.000	SY
4019000	MILLED-IN RUMBLE STRIP	1.391	MI
4020320	HOT MIX ASPHALT INTERMEDIATE COURSE TYPE B	19000.000	TON
4030320	HOT MIX ASPHALT SURFACE COURSE TYPE B	13100.000	TON
4037221	DRIVEWAY PAVING-SURFACE TYPE C NON-RESURFACING PROJECT	300.000	TON
5010108	ROLLER COMPACTED CONCRETE PAVEMENT - 8" UNIFORM	31800.000	SY
6021120	PERMANENT CONSTRUCTION SIGNS (GROUND MOUNTED)	1322.000	SF
6021125	PERMANENT CONSTRUCTION SIGNS (BARRICADE MOUNTED)	245.000	SF
6041200	BARRICADE - TYPE 3	552.000	LF
6052121	PORTABLE TERMINAL IMPACT ATTENUATOR-TEST LEVEL 2	4.000	EA
605212A	ANCHOR KIT - PORT. ATTENUATOR(TEST LEVEL 2)	4.000	EA
6053110	TEMPORARY CONCRETE BARRIER	2500.000	LF
608100B	TYPE B - FLASHING LIGHT	8.000	EA
6092100	TEMPORARY CLEAR PAVEMENT MARKERS MONO-DIR.- 4"X4"	24.000	EA
6092150	TEMPORARY YELLOW PAVEMENT MARKERS MONO-DIR.- 4"X4"	24.000	EA
6092155	TEMPORARY YELLOW PAVEMENT MARKERS BI-DIR.- 4"X4"	630.000	EA
609115G	PREF.FLEX.WET RETRO.PVMT.MARK(T-2)TEMP.REMOVABLE 4"WH.SOLID PREF.	350.000	LF
609115H	PREF.FLEX.WET RETRO.PVMT.MARK(T-2)TEMP.REMOVABLE4"YEL.SOLID PREF.	700.000	LF
6250005	4" WHITE BROKEN LINES -(GAPS EXCLUDED)-FAST DRY PAINT	28620.000	LF
6250010	4" WHITE SOLID LINES (PVT. EDGE LINES)-FAST DRY PAINT	95532.000	LF
6250025	24" WHITE SOLID LINES (STOP/DIAGONAL LINES)-FAST DRY PAINT	670.000	LF
6250030	WHITE SINGLE ARROW (LEFT, STRAIGHT, RIGHT)-FAST DRY PAINT	59.000	EA
6250035	WHITE WORD MESSAGE "ONLY"-FAST DRY PAINT	26.000	EA
6250040	WHITE COMBINATION ARROW(STR.& RT.OR STR.& LT.)FAST DRY PAINT	2.000	EA
6250043	WHITE LANE DROP ARROW (LEFT OR RIGHT)-FAST DRY PAINT	2.000	EA
6250105	4" YELLOW BROKEN LINES(GAPS EXC) - FAST DRY PAINT	18000.000	LF
6250110	4"YELLOW SOLID LINE(PVT.EDGE&NO PASSING ZONE)-FAST DRY PAINT	134280.000	LF
6250115	24" YELLOW DIAGONAL LINES - FAST DRY PAINT	200.000	LF
6271005	4" WHITE BROKEN LINES(GAPS EXCL.)THERMOPLASTIC- 90 MIL.	28970.000	LF
6271010	4" WHITE SOLID LINES (PVT. EDGE LINES) THERMO- 90 MIL.	13581.000	LF
6271025	24" WHITE SOLID LINES (STOP/DIAG LINES)-THERMO-125 MIL	510.000	LF
6271030	WHITE SINGLE ARROWS (LT, STRGHT, RT) THERMO-.125 MIL.	47.000	EA
6271035	WHITE WORD MESSAGE "ONLY" -THERMOPLASTIC - 125 MIL.	26.000	EA
6271040	WHITE COMBINATION ARROWS(STR&RT.OR STR<)THERMO-125MIL	2.000	EA
6271043	WHITE LANE DROP ARROW(LT.OR RT.)THERMO-125MIL	2.000	EA
6271064	4" YELLOW BROKEN LINES(GAPS EXC)THERMOPLASTIC - 90 MIL.	18000.000	LF
6271074	4" YELLOW SOLID LINES(PVT.EDGE LINES) THERMO-90 MIL.	44360.000	LF
6271080	24" YELLOW SOLID LINES - THERMOPLASTIC - 125 MIL.	200.000	LF
6300005	PERMANENT CLEAR PAVEMENT MARKERS- MONO-DIR.- 4"X4"	325.000	EA

ITEM NO.	PAY ITEM	QUANTITY	PAY UNIT
6301005	PERMANENT YELLOW PAVEMENT MARKERS MONO-DIR.- 4"X 4" PERM. YEL.	400.000	EA
6301100	PERMANENT YELLOW PAVEMENT MARKERS BI-DIR.- 4"X4"	660.000	EA
6351100	PREF.FLEX.RETRO.PVMT.MARK(T-1)PERM.60MIL4"WH.BROKEN	700.000	LF
6351400	PREF.FLEX.RETRO.PVMT.MARK(T-1)PERM.(60MIL)4"YEL.BROKEN	700.000	LF
6351450	PREF.FLEX.RETRO.PVMT.MARK(T-1)PERM.(60MIL)4"YEL.SOL.	700.000	LF
6510105	FLAT SHEET, TYPE III, FIXED SZ. & MSG. SIGN	440.000	SF
6510108	FLAT SHEET, TYPE XI, SIZE DETERMINED BY MSG, OVERHEAD	30.000	SF
6513015	MOUNTING ASSEMBLY FOR F.S. SIGN ERCTD ON SPAN WIRE	8.000	EA
6531210	U-SECTION POST FOR SIGN SUPPORTS - 3P	442.000	LF
6531500	REFLECTIVE SIGN POST PANELS	50.000	LF
6750275	FURNISH & INSTALL 1.0" SCHEDULE 80 PVC CONDUIT	135.000	LF
6750278	FURNISH & INSTALL 2.0" SCHEDULE 80 PVC CONDUIT	1546.000	LF
675027C	FURNISH & INSTALL 3.0" SCHEDULE 80 PVC CONDUIT	135.000	LF
6770388	FURNISH & INSTALL NO. 14 COPPER WIRE, 4 CONDUCTOR - BLACK	450.000	LF
6770389	FURNISH & INSTALL NO. 14 COPPER WIRE, 4 CONDUCTOR - GRAY	1880.000	LF
6770393	FURNISH & INSTALL NO. 14 COPPER WIRE, 8 CONDUCTOR (BLACK)	5067.000	LF
6770394	FURNISH & INSTALL NO. 14 COPPER WIRE, 8 CONDUCTOR (GRAY)	1615.000	LF
6770413	FURNISH & INSTL NO. 14 COPPER WIRE,1-CONDUCTOR FOR LOOP WIRE	4100.000	LF
6780495	SAWCUT FOR LOOP DETECTOR	1800.000	LF
6800499	FURNISH & INSTALL ELECTRICAL SERVICE FOR TRAFFIC SIGNAL	2.000	EA
6800500	MOD. EXIST ELECTRICAL SERVICE FOR TRAFFIC SIGNAL	1.000	EA
6800518	F&I-13"X24"X18"D.ELEC.FLUSH UNDGRD.ENCLOS-(STR.POLY.CONC.)JD	19.000	EA
680052C	F&I-17"X30"X24"D.ELEC.FLUSH UNDGRD.ENCLOS-(STR.POLY.CONC.)JD	2.000	EA
6825020	FURNISH & INSTALL - 35' WOOD POLE-CLASS II-CCA TR(0.60)	11.000	EA
682505B	FURNISH & INSTALL 13" X 28' STEEL STRAIN POLE AND FOUNDATION	8.000	EA
6825092	FURNISH & INSTALL 3/8" GALVANIZED STEEL CABLE	1075.000	LF
6825484	FURNISH & INSTALL 10' BREAK-AWAY ALUM PEDESTAL POLE AND BASE	1.000	EA
6845511	F&I - CONTR 332/336 CABINET ASSEMBLY - BASE MOUNTED	3.000	EA
6865710	FURNISH & INSTALL - 12" 5 SECTION SIGNAL HEAD	1.000	EA
6865720	FURNISH & INSTALL -12" 4 SECTION SIGNAL HEAD	1.000	EA
6865722	F&I - 12" 1-WAY-4 SECTION(RA.YA.YAF.GA)VEH TRAFFIC SIGNAL	4.000	EA
6865723	FURNISH & INSTALL - 12" 3 SECTION SIGNAL HEAD	15.000	EA
6865731	F&I - 12" 1-WAY-3 SECTION(R.Y.G.)VEHICLE TRAFFIC SIGNAL	15.000	EA
6865733	F&I - 12" 1-WAY-3 SECTION(RA.YA.GA.)VEHICLE TRAFFIC SIGNAL	1.000	EA
6865782	F&I - 1-WAY-1SECT.HAND/MAN COUNTDOWN PEDESTRIAN SIGNAL HEAD	4.000	EA
6865791	F&I -PEDESTRIAN PUSH BUTTON STATION ASSEM AND SIGN (R-10-3E)	4.000	EA
6865830	VEHICLE TRAFFIC SIGNAL HEAD MOUNTING ASSEMBLY FOR SPAN WIRE	21.000	EA
6865834	F&I BACKPLATE W/ RETROREFL.BORDERS FOR TRAFF. SIG.	37.000	EA
6865840	F&I-PEDESTRIAN TRAF. SIGNAL HEAD MOUNTING ASSEM FOR POST TOP	1.000	EA
6865841	F&I - PED TRAF. SIGNAL HEAD MOUNTING ASSEMBLY FOR SIDE POLE	3.000	EA
6885992	TEMPORARY ADJUSTMENT OF TRAFFIC SIGNAL EQUIPMENT	3.000	LS
6887951	FURNISH & INSTALL CONCRETE CABINET FOUNDATION	2.000	EA
7011400	CONC. FOR STRUCTURES - CLASS 4000	267.600	CY
7031100	REINF. STEEL FOR STRUCTURES (ROADWAY)	35119.000	LB
7055000	IRON PIPE HANDRAILING	205.000	LF
7137400	DESIGN,DETAIL AND CONSTRUCT RETAINING WALL	650.000	SF
7143618	18" SMOOTH WALL PIPE	9920.000	LF
7143624	24" SMOOTH WALL PIPE	4196.000	LF
7143630	30" SMOOTH WALL PIPE	2104.000	LF
7143636	36" SMOOTH WALL PIPE	732.000	LF
7149999	CLEANING EXISTING PIPE	800.000	LF
7191250	CATCH BASIN -TYPE 9 MH	16.000	EA
7191605	CATCH BASIN -TYPE 16	111.000	EA
7191625	CATCH BASIN -TYPE 17	1.000	EA
7191650	CATCH BASIN -TYPE 18	5.000	EA
7192020	DROP INLET (24" X 36")	7.000	EA
7192105	MANHOLE	12.000	EA
7193005	PRECAST CONCRETE RISER - 48" DIAM.	2.000	LF
7193105	PRECAST CONCRETE DRAINAGE BASE - 48" DIAM.	1.000	EA
7196000	EXTRA DEPTH OF BOX	130.000	LF
7199100	BEVELING OF PIPE END	12.000	EA
7203210	CONCRETE CURB AND GUTTER(2'-0") VERTICAL FACE	22100.000	LF
7204100	CONCRETE SIDEWALK (4" UNIFORM)	4650.000	SY
7204900	DETECTABLE WARNING MATERIAL	165.000	SF
7205000	CONCRETE DRIVEWAY(6" UNIFORM)	751.000	SY
7206000	CONCRETE MEDIAN	160.000	SY
7209000	PEDESTRIAN RAMP CONSTRUCTION	330.000	SY
8041010	RIP-RAP (CLASS A)	1900.000	TON
8041020	RIP-RAP (CLASS B)	2454.000	TON
8041030	RIP-RAP (CLASS C)	1646.000	TON
8048210	GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP(CLASS 2)TYPE C	5270.000	SY
8051050	PREMASH W-BEAM STRONG POST SYSTEM WSP3	1075.000	LF
8051151	MT3 LEADING END TREATMENT TL3	9.000	EA
8051710	MB TRAILING END TREATMENT	1.000	EA
8052200	MGS2C GR BEHIND CURB	3050.000	LF

10/4/2022 H:\Project\2006\320.20 SC 557 Alt 4\Clients\Roadway\Quantities\FINAL_Constr_Plans\2022-10-03_For Bid\SummQuantitySheet_0041800_20c



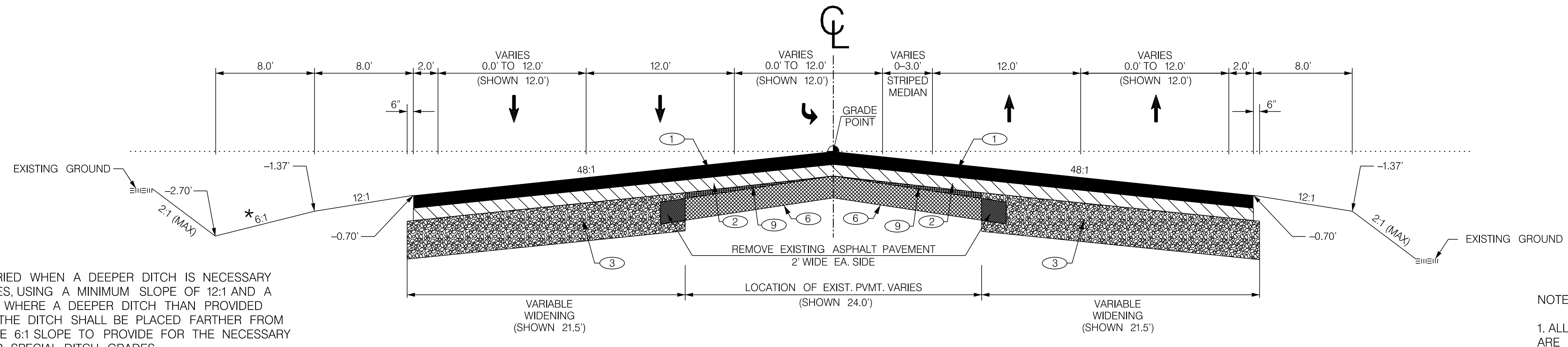
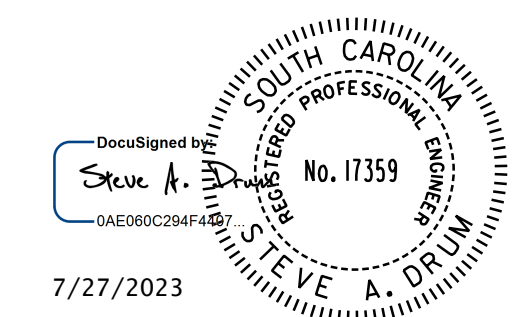
7/27/2023

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	3	

TYPICAL SECTION OF IMPROVEMENT

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

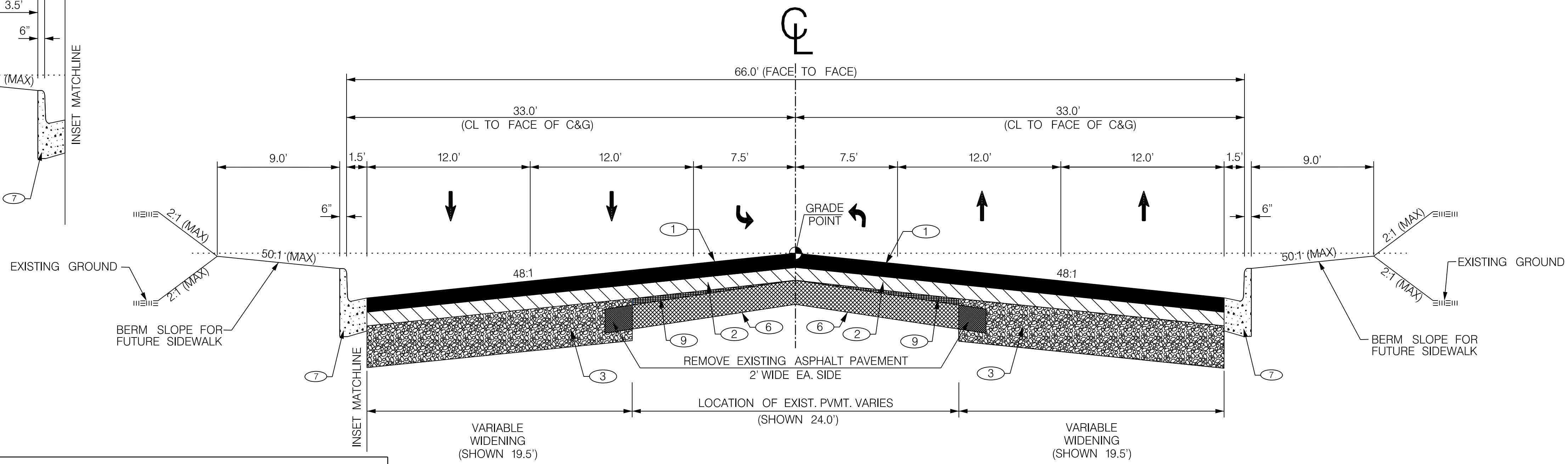
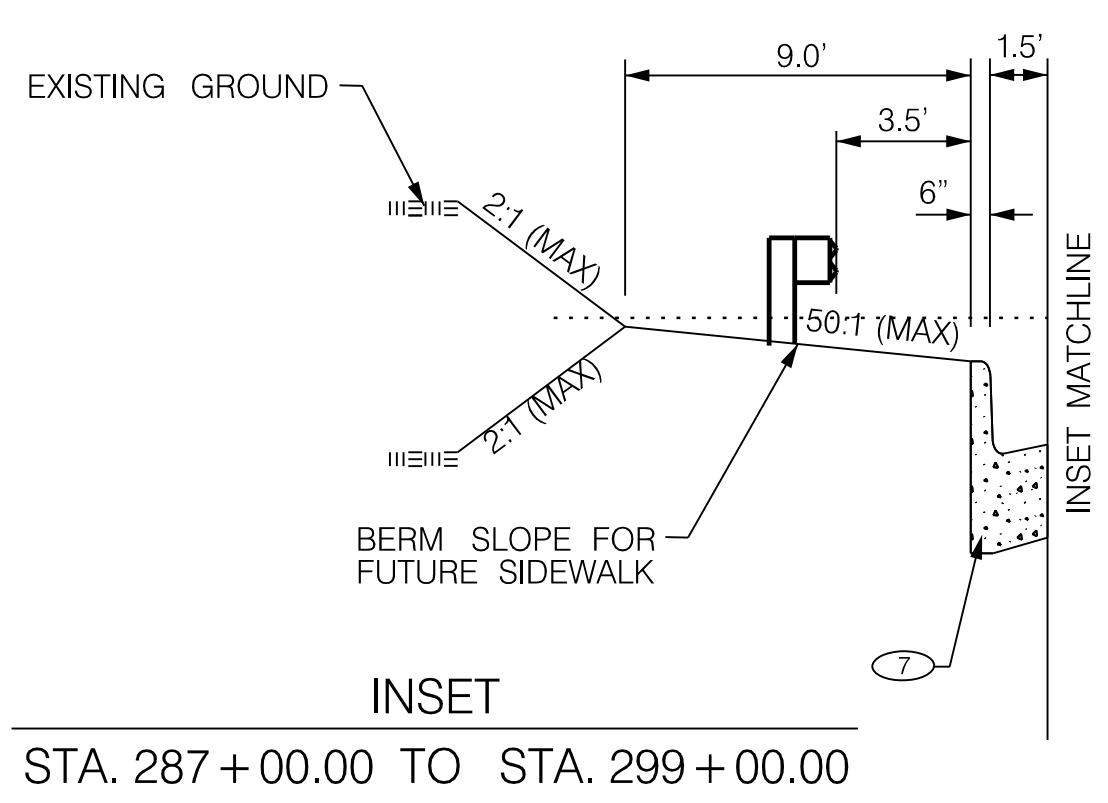
COLUMBIA, S.C.



*** NOTE:**
 THIS SLOPE MAY BE VARIED WHEN A DEEPER DITCH IS NECESSARY FOR DRAINAGE PURPOSES, USING A MINIMUM SLOPE OF 12:1 AND A MAXIMUM SLOPE OF 4:1. WHERE A DEEPER DITCH THAN PROVIDED BY A 6:1 IS NECESSARY, THE DITCH SHALL BE PLACED FARTHER FROM THE CL CONTINUING THE 6:1 SLOPE TO PROVIDE FOR THE NECESSARY DEPTH. SEE PROFILE FOR SPECIAL DITCH GRADES.

NOTE:
 1. ALL DIMENSIONS AND PAVEMENT DESIGNS ARE DETERMINED BY INDIVIDUAL PROJECTS.
 2. FILL SLOPES
 6:1 — 0' TO 5' FILL
 4:1 — 5' TO 10' FILL
 2:1 — OVER 10' FILL

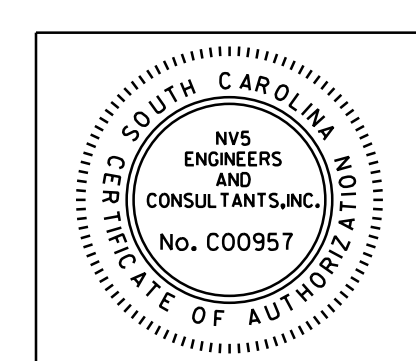
USE THIS SECTION FOR SC 557
 STA. 203 + 05.00 TO STA. 220 + 49.39



SEE STD. DWG. SECTION 805 FOR GUARDRAIL PLACEMENT.
 3. SUPERELEVATION SHALL BE ACHIEVED IN ACCORDANCE WITH STD. NO. 150-205-00.
 4. PERFORM VARIABLE DEPTH MILLING AS REQUIRED BY ENGINEER.
 5. PERFORM 8" FULL DEPTH PATCHING AS REQUIRED BY ENGINEER.
 6. PEDESTRIAN RAMPS PER SCDOT STD. DWG. SECTION 720.

USE THIS SECTION FOR SC 557
 STA. 220 + 49.39 TO STA. 246 + 00.00
 STA. 293 + 00.00 LT TO STA. 300 + 43.00 LT
 STA. 293 + 00.00 RT TO STA. 300 + 35.19 RT

- ① ● HOT MIX ASPHALT SURFACE COURSE TYPE B (200 LBS./S.Y.)
- ② ▨ HOT MIX ASPHALT INTERMEDIATE COURSE TYPE B (200 LBS./S.Y.)
- ③ ▩ ROLLER COMPACTED CONCRETE PAVEMENT - 8" UNIFORM
- ④ ▤ HOT MIX ASPHALT BASE COURSE TYPE A (400 LBS./S.Y.)
- ⑤ ▥ GRADED AGGREGATE BASE COURSE (12" UNIFORM)
- ⑥ ▦ RETAIN EXISTING PAVEMENT
- ⑦ ○ CONCRETE CURB AND GUTTER (2'-0") VERTICAL FACE
- ⑧ ○ CONCRETE SIDEWALK (4" UNIFORM)
- ⑨ ● HOT MIX ASPHALT SURFACE COURSE FOR BUILDUP TYPE B (VARIES)



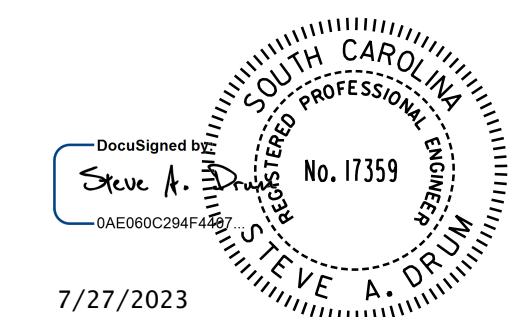
NV5
 NV5 ENGINEERS & CONSULTANTS, INC.
 7500 E. INDEPENDENCE BLVD, STE 100
 CHARLOTTE, NC 28227
 P: 704.537.7300 www.NV5.com
 NC License # F-1333

RTE. SC 557 DESIGN SPEED			
FUNCTIONAL CLASS.	MPH	FROM STA.	TO STA.
RURAL MINOR ARTERIAL	45	203+05.00	330+02.00
EXCEPTIONS TO DESIGN SPEED			

PAVEMENT DESIGN	YORK COUNTY PENNIES FOR PROGRESS
	TYPICAL SECTION SHEET
SCALE 1"V = NTS SCALE 1"H = 5' RTE. SC 557	

10/14/2022
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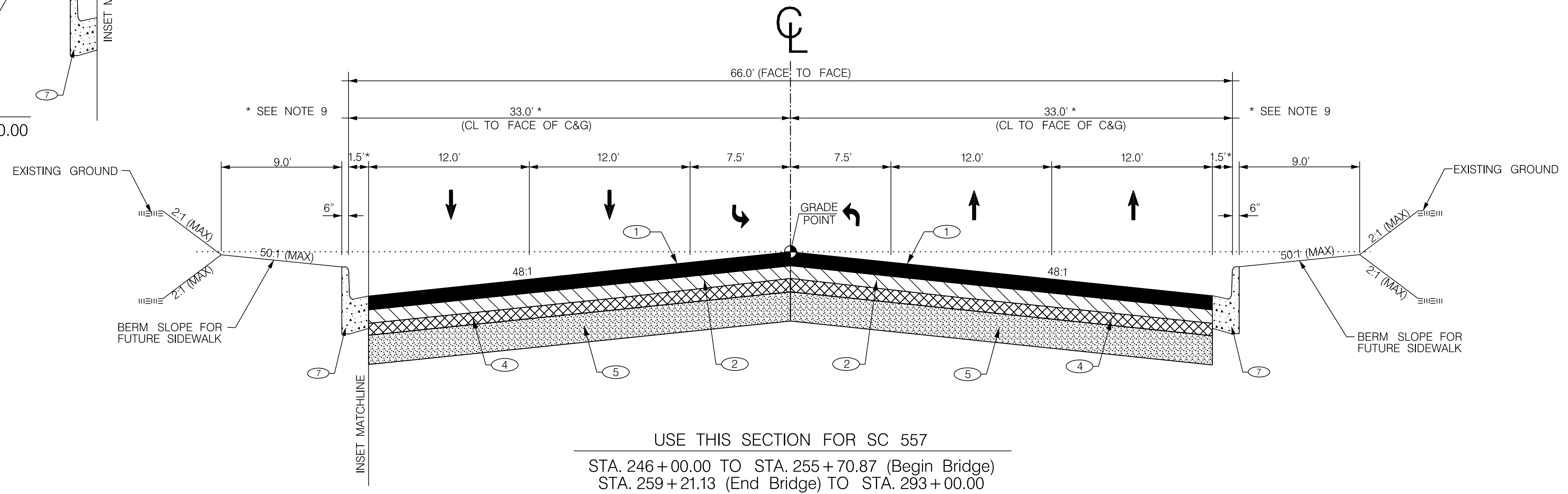
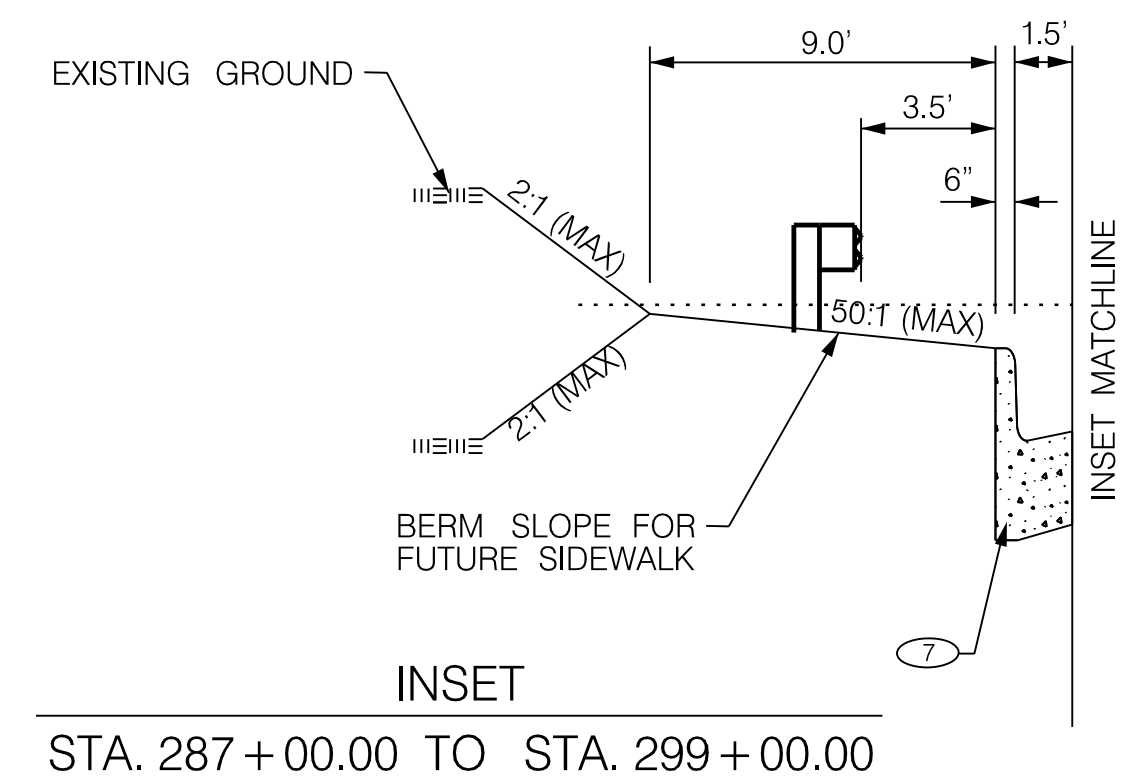
FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	3A	



TYPICAL SECTION OF IMPROVEMENT

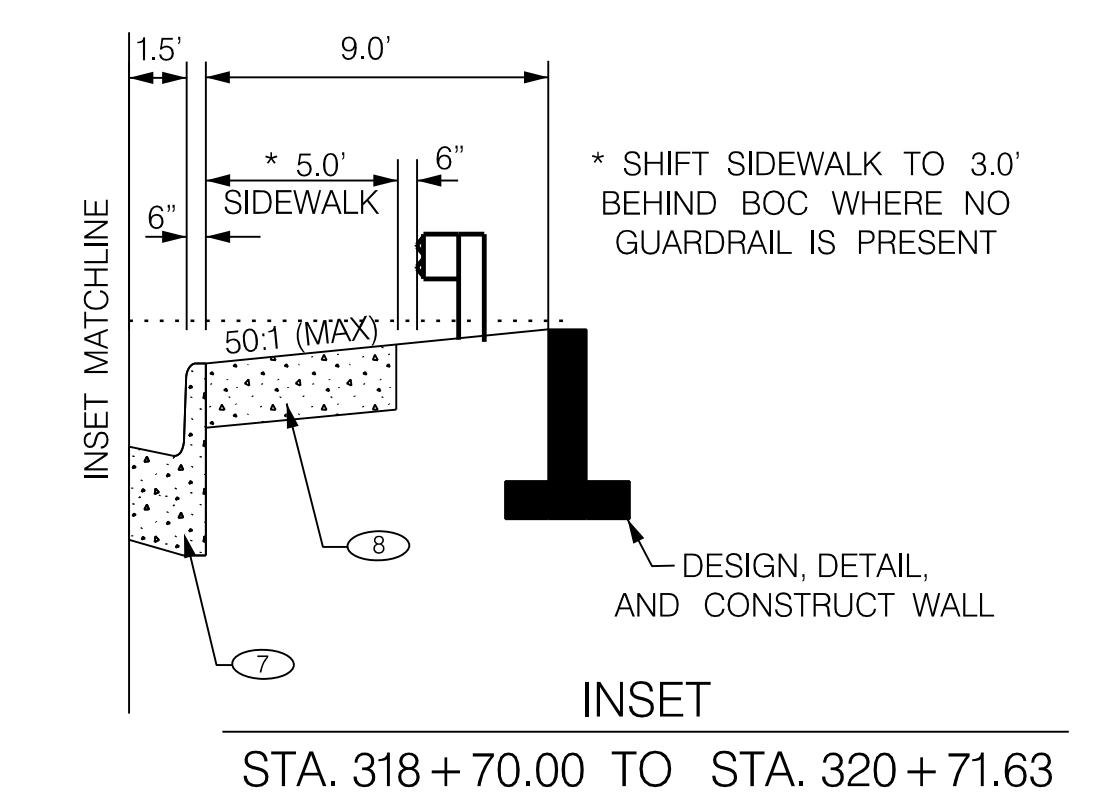
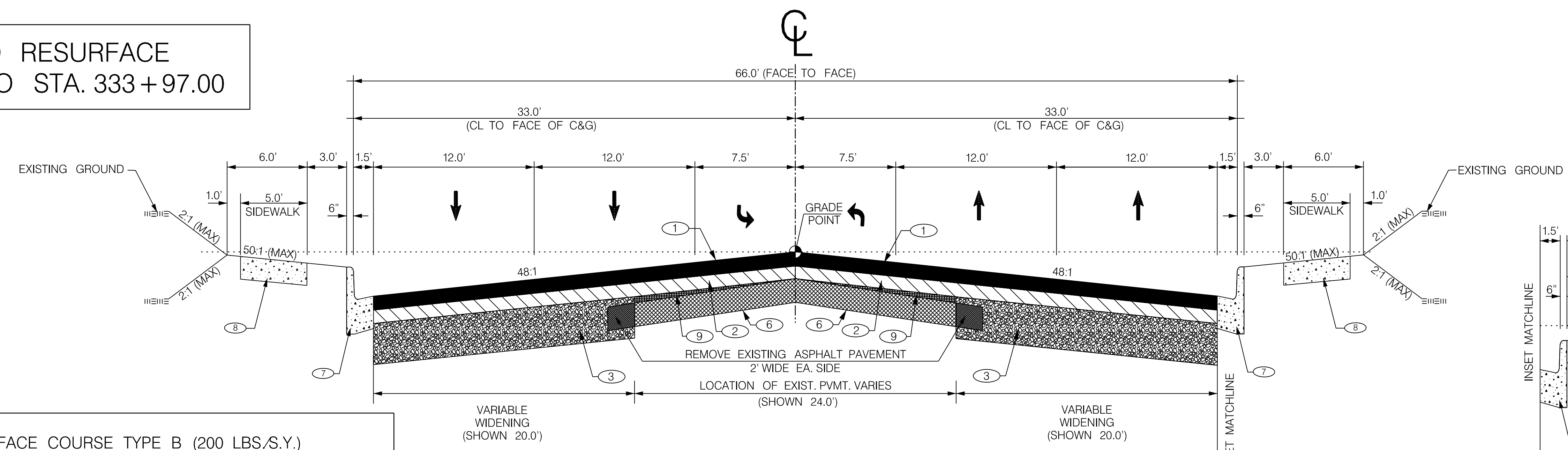
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

COLUMBIA, S.C.



- NOTE:**
- ALL DIMENSIONS AND PAVEMENT DESIGNS ARE DETERMINED BY INDIVIDUAL PROJECTS.
 - FILL SLOPES
6:1 — 0' TO 5' FILL
4:1 — 5' TO 10' FILL
2:1 — OVER 10' FILL
 - SEE STD. DWG. SECTION 805 FOR GUARDRAIL PLACEMENT. AT BRIDGE APPROACHES, PLACE 5.5' FROM BACK OF CURB WITH 9 FT. LENGTH POSTS.
 - SEE STD. NO. 720-105-00 FOR CONCRETE CURB AND GUTTER DETAILS.
 - PEDESTRIAN RAMPS PER SCDOT STD. DWG. SECTION 720.
 - SEE STD. NO. 720-410-00 FOR CONCRETE DRIVEWAY DETAILS.
 - SUPERELEVATION SHALL BE ACHIEVED IN ACCORDANCE WITH STD. NO. 150-205-00.
 - PERFORM VARIABLE DEPTH MILLING AS REQUIRED BY ENGINEER.
 - PERFORM 8" FULL DEPTH PATCHING AS REQUIRED BY ENGINEER.
 - TRANSITION FACE OF C&G FROM 1.5' TO 1.58' WIDTH OVER 10' DISTANCE IN ADVANCE OF BRIDGE APPROACH SLAB

MILL 1.5" AND RESURFACE
STA. 330+02.00 TO STA. 333+97.00



- | | | |
|---|--|--|
| ① | | HOT MIX ASPHALT SURFACE COURSE TYPE B (200 LBS./S.Y.) |
| ② | | HOT MIX ASPHALT INTERMEDIATE COURSE TYPE B (200 LBS./S.Y.) |
| ③ | | ROLLER COMPACTED CONCRETE PAVEMENT - 8" UNIFORM |
| ④ | | HOT MIX ASPHALT BASE COURSE TYPE A (400 LBS./S.Y.) |
| ⑤ | | GRADED AGGREGATE BASE COURSE (12" UNIFORM) |
| ⑥ | | RETAIN EXISTING PAVEMENT |
| ⑦ | | CONCRETE CURB AND GUTTER (2'-0") VERTICAL FACE |
| ⑧ | | CONCRETE SIDEWALK (4" UNIFORM) |
| ⑨ | | HOT MIX ASPHALT SURFACE COURSE FOR BUILDUP TYPE B (VARIES) |

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
STEVE A. DRIM
No. 17359

NV5

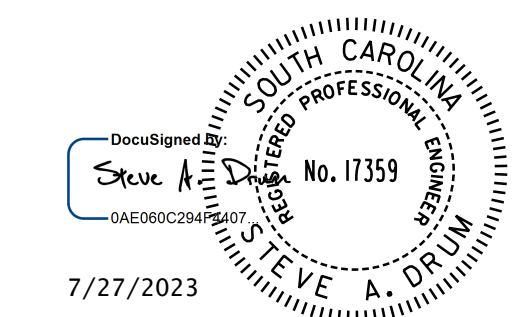
NV5 ENGINEERS & CONSULTANTS, INC.
7500 E. INDEPENDENCE BLVD, STE 100
CHARLOTTE, NC 28227
P: 704.537.7300 www.NV5.com
NC License # F-1333

RTE. SC 557 DESIGN SPEED			
FUNCTIONAL CLASS.	MPH	FROM STA.	TO STA.
RURAL MINOR ARTERIAL	45	203+05.00	330+02.00
EXCEPTIONS TO DESIGN SPEED			

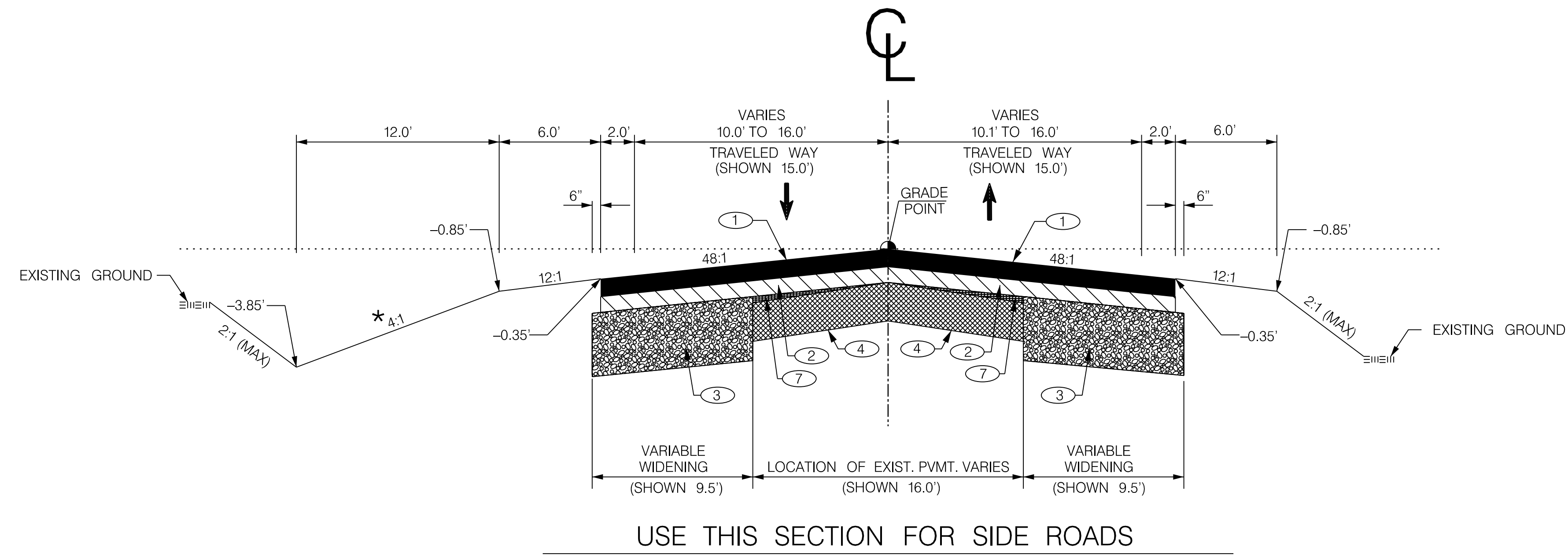
PAVEMENT DESIGN	YORK COUNTY PENNIES FOR PROGRESS
TYPICAL SECTION SHEET	
SCALE 1"V = NTS	SCALE 1"H = 5' RTE. SC 557

10/14/2022 default H:\Project\2006\320\20 SC 557 All CLIENT\Sheets\Typicals\SC557_typ.dgn

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	3B	



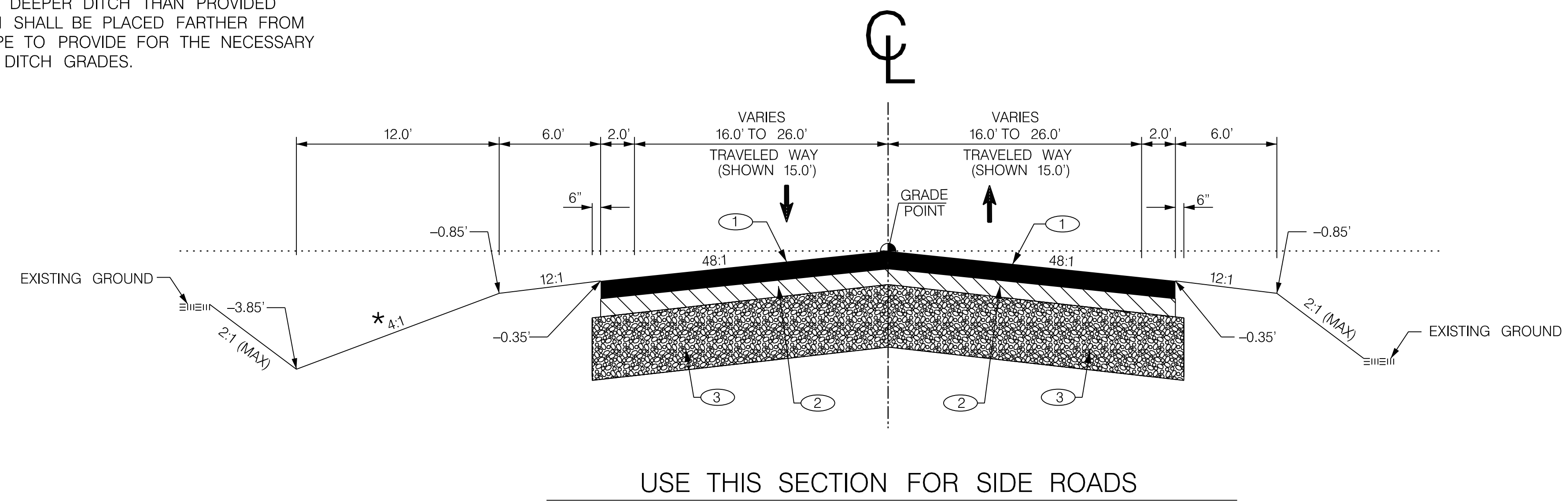
TYPICAL SECTION OF IMPROVEMENT SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION COLUMBIA, S.C.



S-46-27 (RIDGE RD.) STA. 15+45.00 TO STA. 18+75.00
S-46-114 (KINGSBURY RD.) STA. 33+75.00 TO STA. 35+85.00

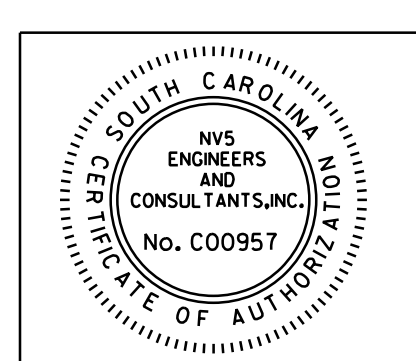
*** NOTE:**
THIS SLOPE MAY BE VARIED WHEN A DEEPER DITCH IS NECESSARY FOR DRAINAGE PURPOSES, USING A MINIMUM SLOPE OF 12:1 AND A MAXIMUM SLOPE OF 4:1. WHERE A DEEPER DITCH THAN PROVIDED BY A 4:1 IS NECESSARY, THE DITCH SHALL BE PLACED FARTHER FROM THE CL. CONTINUING THE 4:1 SLOPE TO PROVIDE FOR THE NECESSARY DEPTH. SEE PROFILE FOR SPECIAL DITCH GRADES.

- NOTE:**
- ALL DIMENSIONS AND PAVEMENT DESIGNS ARE DETERMINED BY INDIVIDUAL PROJECTS.
 - FILL SLOPES
6:1 — 0' TO 5' FILL
4:1 — 5' TO 10' FILL
2:1 — OVER 10' FILL
 - SEE STD. DWG. SECTION 805 FOR GUARDRAIL PLACEMENT.
 - SUPERELEVATION SHALL BE ACHIEVED IN ACCORDANCE WITH STD. NO. 150-205-00.
 - PERFORM VARIABLE DEPTH MILLING AS REQUIRED BY ENGINEER.
 - PERFORM 8" FULL DEPTH PATCHING AS REQUIRED BY ENGINEER.



S-46-27 (RIDGE RD.) STA. 18+75.00 TO STA. 27+38.89
S-46-114 (KINGSBURY RD.) STA. 28+01.89 TO STA. 33+75.00

- ① ● HOT MIX ASPHALT SURFACE COURSE TYPE B (200 LBS./S.Y.)
- ② ▨ HOT MIX ASPHALT INTERMEDIATE COURSE TYPE B (200 LBS./S.Y.)
- ③ ▩ HOT MIX ASPHALT BASE COURSE TYPE A (800 LBS./S.Y.)
- ④ ▧ RETAIN EXISTING PAVEMENT
- ⑤ ○ CONCRETE CURB AND GUTTER (2'-0") VERTICAL FACE
- ⑥ ◐ CONCRETE SIDEWALK (4" UNIFORM)
- ⑦ ● HOT MIX ASPHALT SURFACE COURSE FOR BUILDUP TYPE B (VARIES)



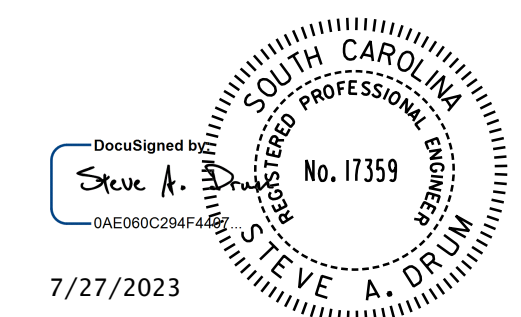
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NC License # F-1333

FUNCTIONAL CLASS.	DESIGN SPEED		PAVEMENT DESIGN
	MPH	FROM STA. TO STA.	
RTE. RIDGE RD.			YORK COUNTY PENNIES FOR PROGRESS
RURAL MAJOR COLLECTOR	45	15+45.00 | 27+38.89	
RTE. KINGSBURY RD.			TYPICAL SECTION SHEET
RURAL MAJOR COLLECTOR	45	28+01.89 35+85.00	

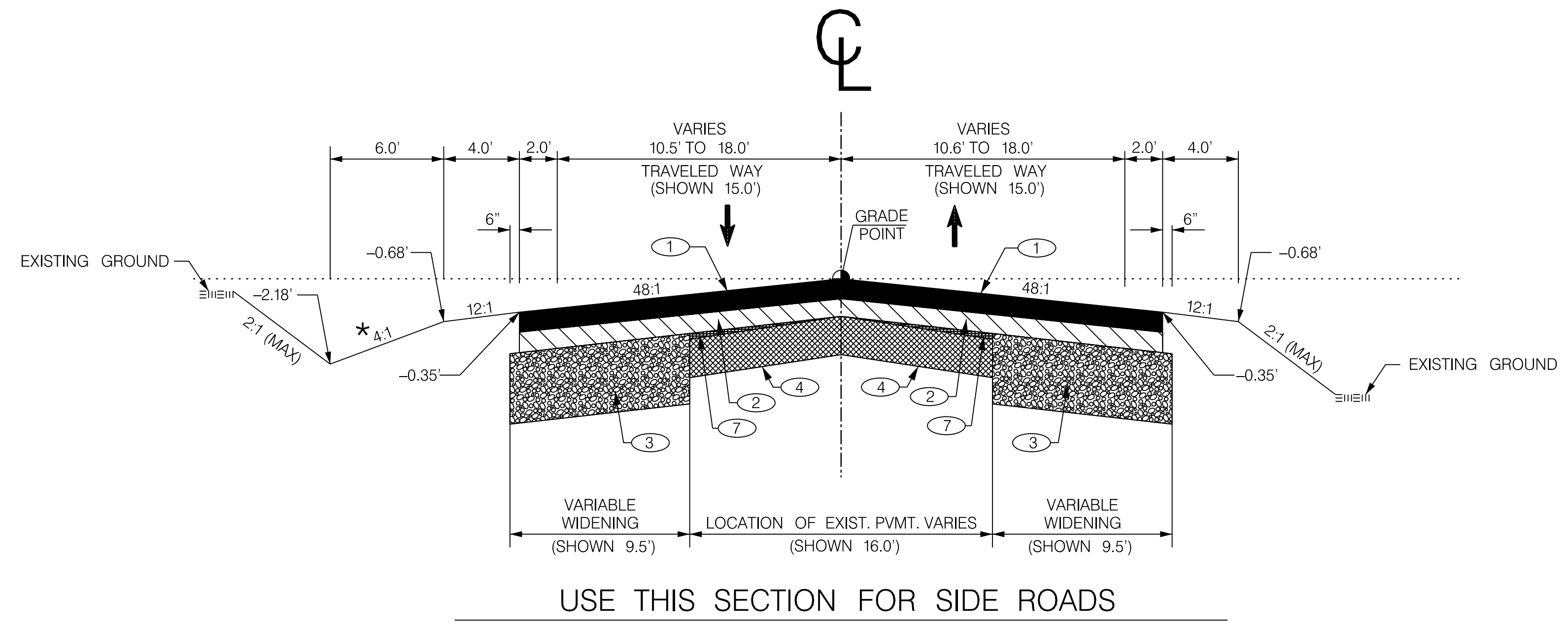
SCALE 1"V = NTS SCALE 1"H = 5' RTE. SC 557

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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-008	557	3C	



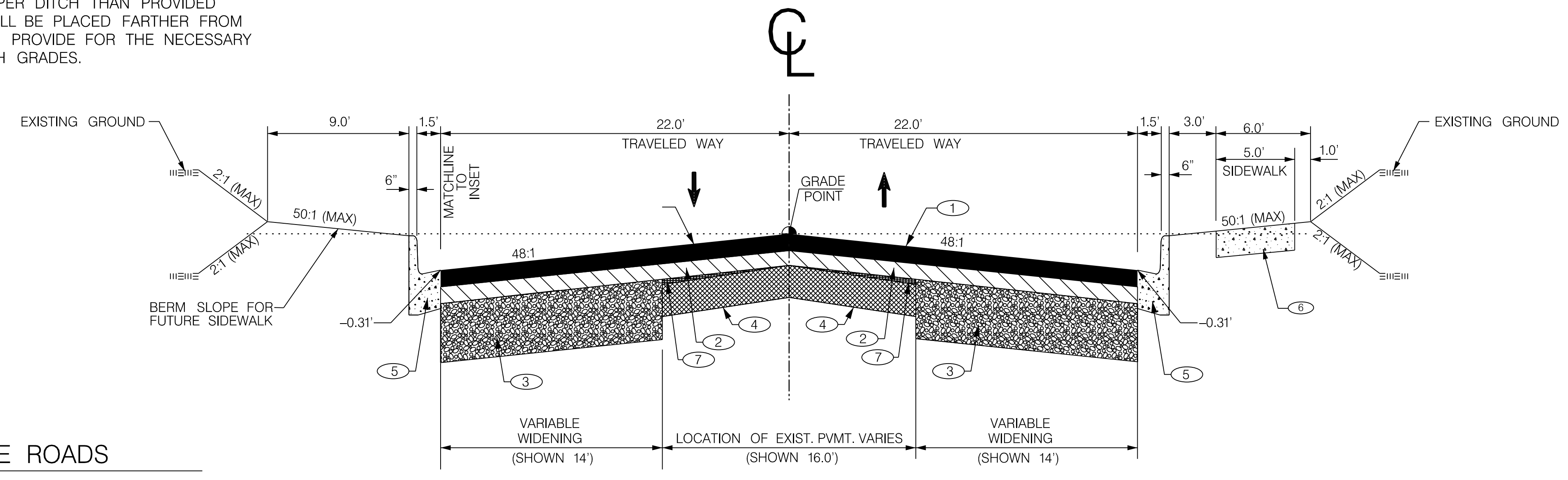
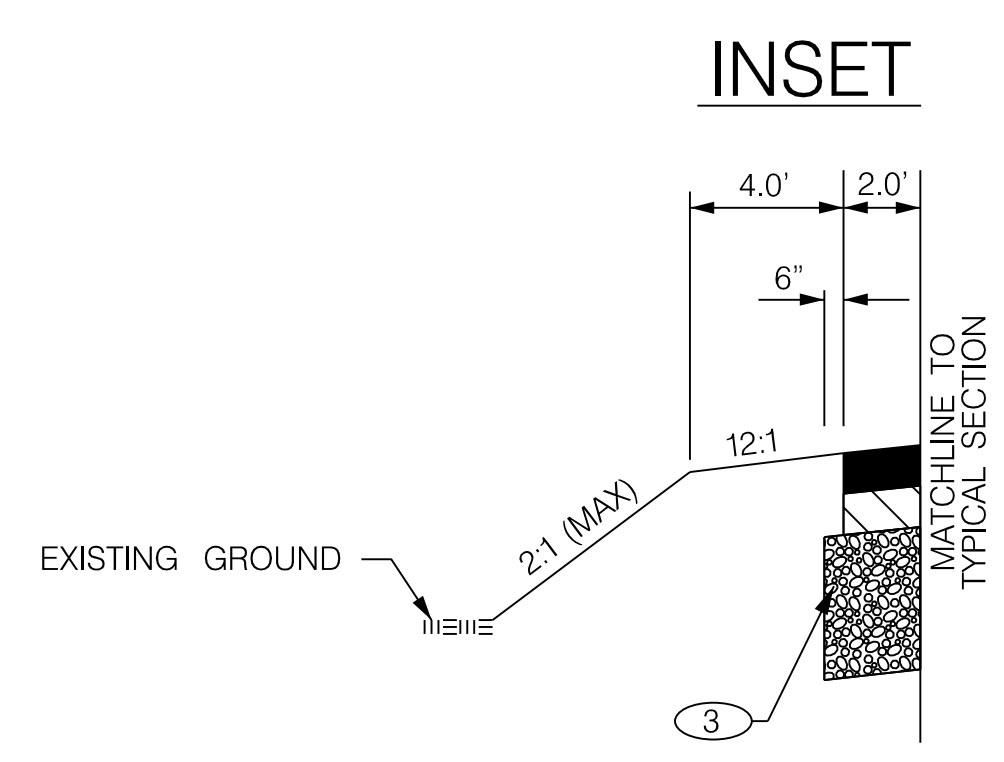
TYPICAL SECTION OF IMPROVEMENT SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION COLUMBIA, S.C.



S-46-152 (BETHEL SCHOOL RD.) STA. 10+70.00 TO STA. 16+59.61
S-46-152 (RIDDLE MILL RD.) STA. 10+31.64 TO STA. 15+60.00

*** NOTE:**
THIS SLOPE MAY BE VARIED WHEN A DEEPER DITCH IS NECESSARY FOR DRAINAGE PURPOSES, USING A MINIMUM SLOPE OF 12:1 AND A MAXIMUM SLOPE OF 4:1. WHERE A DEEPER DITCH THAN PROVIDED BY A 4:1 IS NECESSARY, THE DITCH SHALL BE PLACED FARTHER FROM THE CL CONTINUING THE 4:1 SLOPE TO PROVIDE FOR THE NECESSARY DEPTH. SEE PROFILE FOR SPECIAL DITCH GRADES.

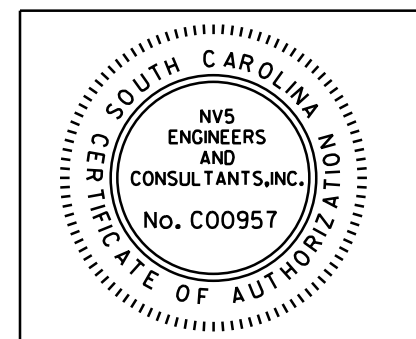
- NOTE:**
- ALL DIMENSIONS AND PAVEMENT DESIGNS ARE DETERMINED BY INDIVIDUAL PROJECTS.
 - FILL SLOPES
6:1 — 0' TO 5' FILL
4:1 — 5' TO 10' FILL
2:1 — OVER 10' FILL
 - SEE STD. DWG. SECTION 805 FOR GUARDRAIL PLACEMENT.
 - SUPERELEVATION SHALL BE ACHIEVED IN ACCORDANCE WITH STD. NO. 150-205-00.
 - PERFORM VARIABLE DEPTH MILLING AS REQUIRED BY ENGINEER.
 - PERFORM 8" FULL DEPTH PATCHING AS REQUIRED BY ENGINEER.
 - PEDESTRIAN RAMPS PER SCDOT STD. DWG. SECTION 720.



S-46-435 (OAKRIDGE RD.) STA. 13+76.02 LT TO STA. 15+20.58 LT

S-46-435 (OAKRIDGE RD.) STA. 10+31.50 LT TO STA. 13+76.02 LT
S-46-435 (OAKRIDGE RD.) STA. 10+31.50 RT TO STA. 15+20.58 RT

- ① ● HOT MIX ASPHALT SURFACE COURSE TYPE B (200 LBS./S.Y.)
- ② ▨ HOT MIX ASPHALT INTERMEDIATE COURSE TYPE B (200 LBS./S.Y.)
- ③ ▩ HOT MIX ASPHALT BASE COURSE TYPE A (800 LBS./S.Y.)
- ④ ▧ RETAIN EXISTING PAVEMENT
- ⑤ ○ CONCRETE CURB AND GUTTER (2'-0") VERTICAL FACE
- ⑥ ◐ CONCRETE SIDEWALK (4" UNIFORM)
- ⑦ ● HOT MIX ASPHALT SURFACE COURSE FOR BUILDUP TYPE B (VARIES)

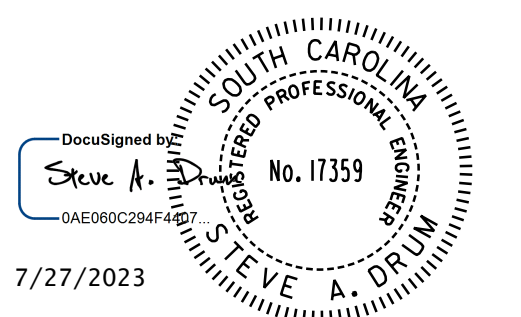


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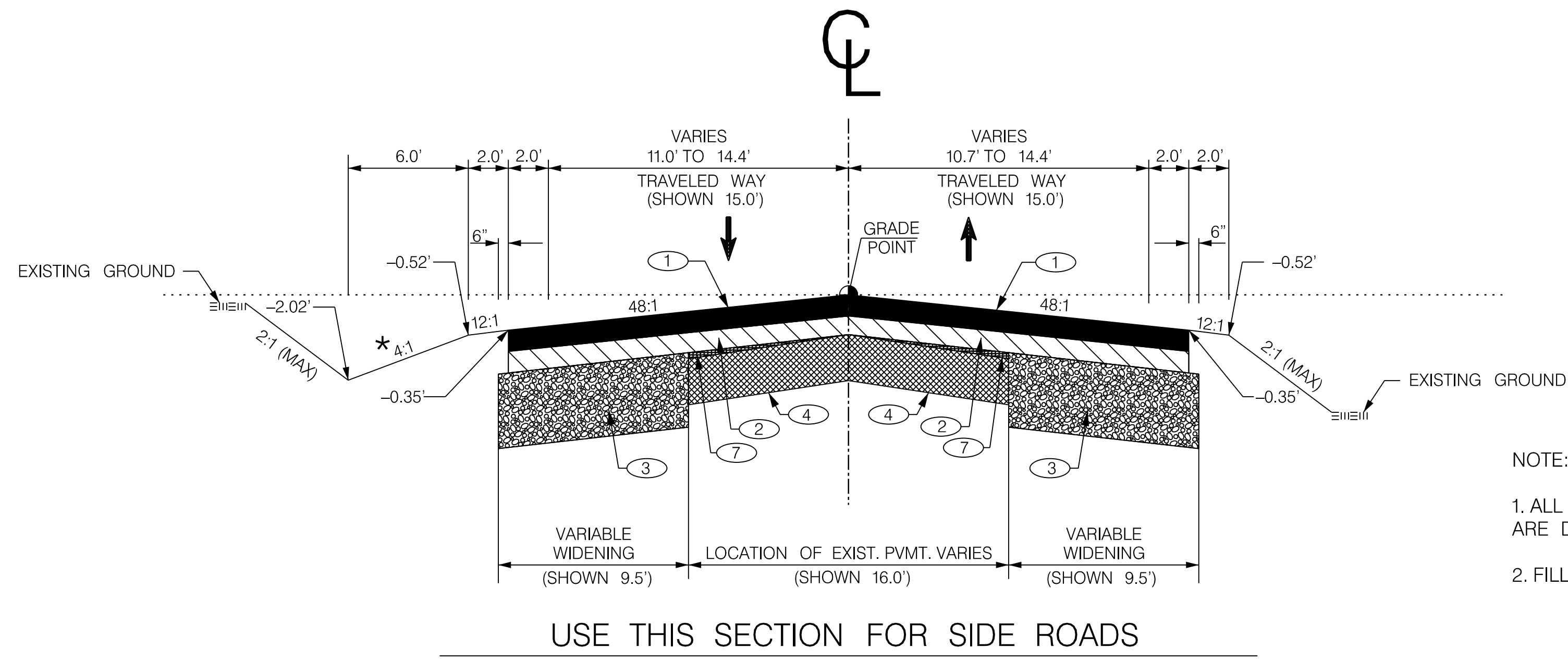
FUNCTIONAL CLASS.	DESIGN SPEED		PAVEMENT DESIGN
	MPH	FROM STA. TO STA.	
RTE. BETHEL SCHOOL RD.			YORK COUNTY PENNIES FOR PROGRESS
RURAL LOCAL GROUP 4	45	10+70.00 16+59.61	
RTE. RIDDLE MILL RD.			TYPICAL SECTION SHEET
RURAL MINOR COLLECTOR	45	10+31.64 15+60.00	
RTE. OAKRIDGE RD.			SCALE 1"V = NTS SCALE 1"H = 5' RTE. SC 557
RURAL MINOR COLLECTOR	45	10+31.61 15+20.58	

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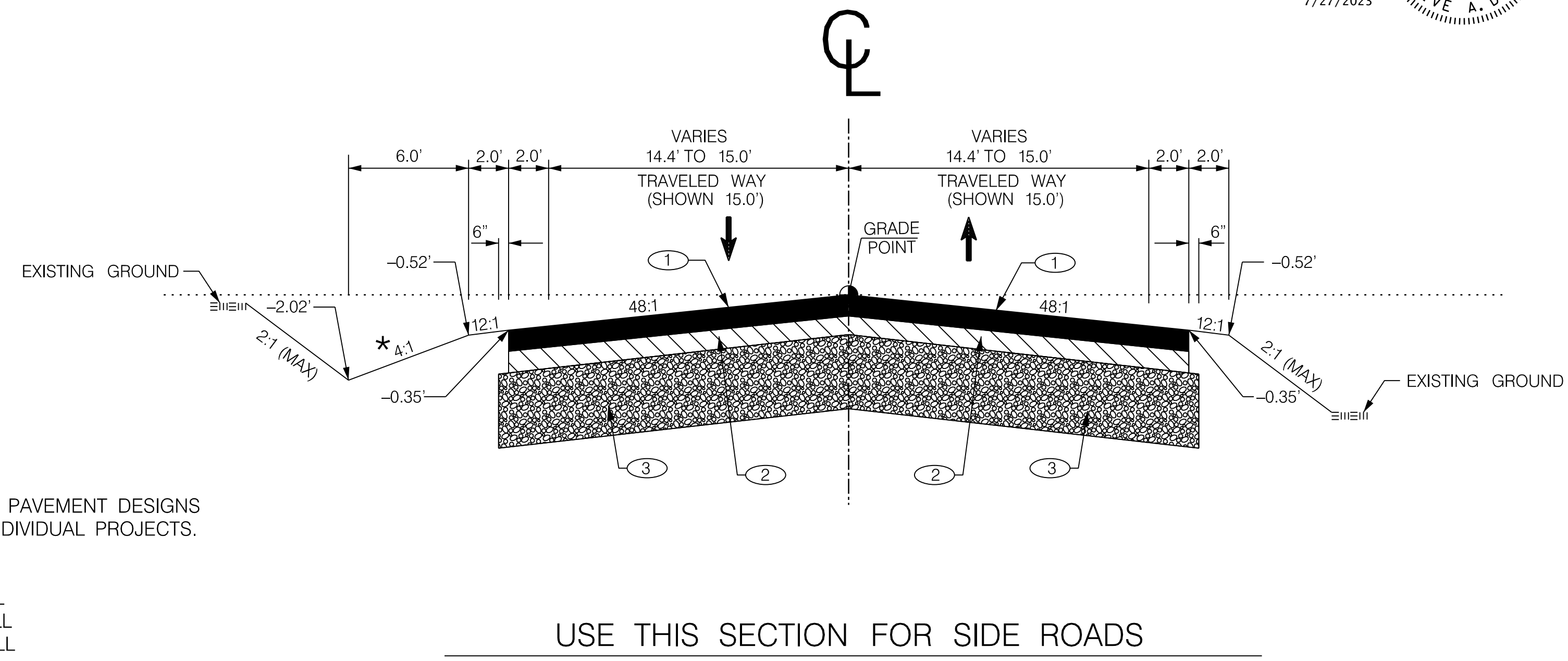
FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	3D	



TYPICAL SECTION OF IMPROVEMENT SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION COLUMBIA, S.C.



USE THIS SECTION FOR SIDE ROADS
S-1916 (PHARR YARNS INC. DRIVE) STA. 10+69.00 TO STA. 11+75.00

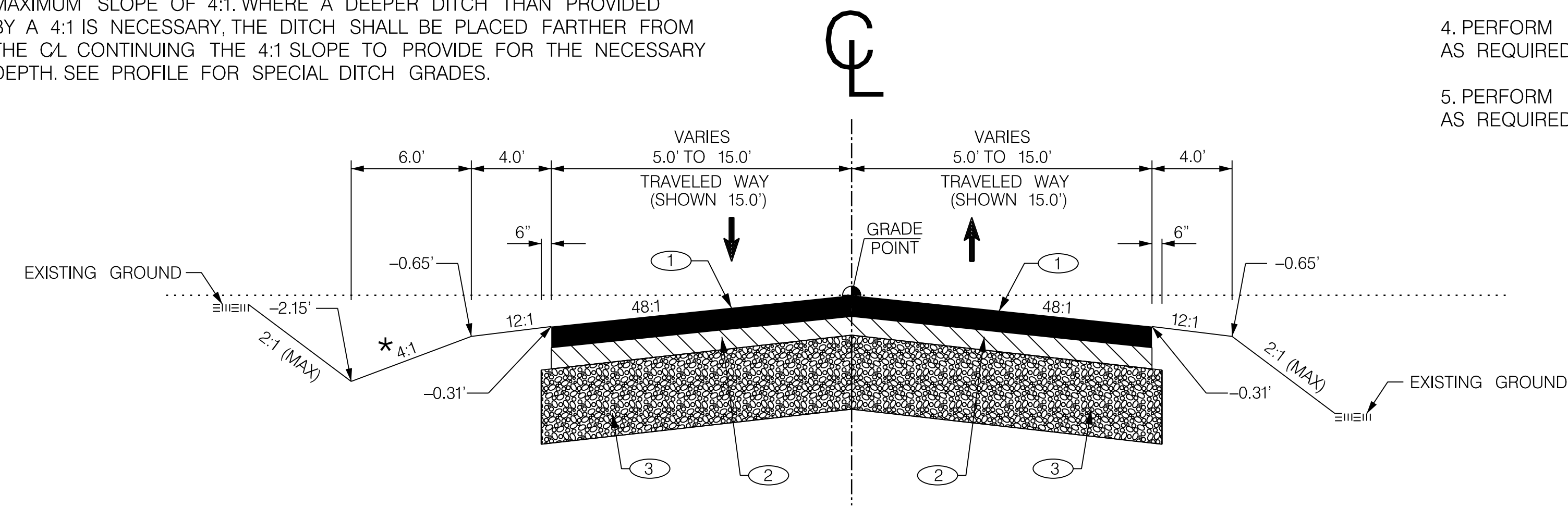


USE THIS SECTION FOR SIDE ROADS
S-1916 (PHARR YARNS INC. DRIVE) STA. 11+75.00 TO STA. 13+04.17

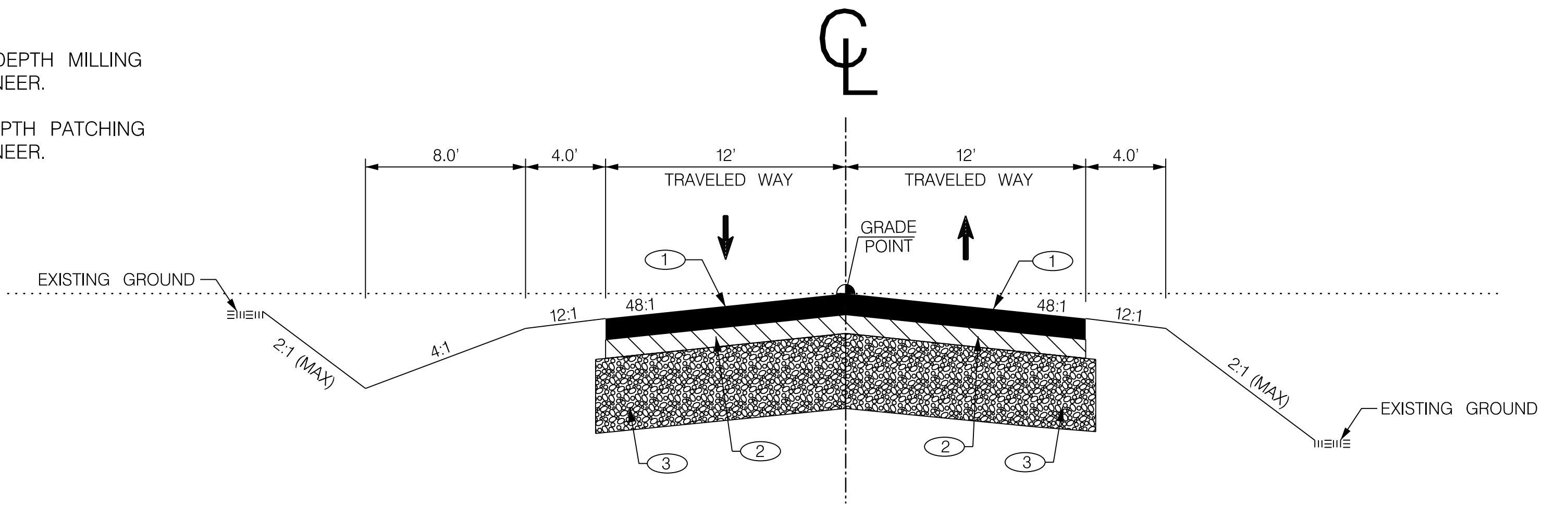
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- NOTE:**
- ALL DIMENSIONS AND PAVEMENT DESIGNS ARE DETERMINED BY INDIVIDUAL PROJECTS.
 - FILL SLOPES
6:1—0' TO 5' FILL
4:1—5' TO 10' FILL
2:1—OVER 10' FILL
 - SUPERELEVATION SHALL BE ACHIEVED IN ACCORDANCE WITH STD. NO. 150-205-00.
 - PERFORM VARIABLE DEPTH MILLING AS REQUIRED BY ENGINEER.
 - PERFORM 8" FULL DEPTH PATCHING AS REQUIRED BY ENGINEER.

SEE STD. DWG. SECTION 805 FOR GUARDRAIL PLACEMENT.

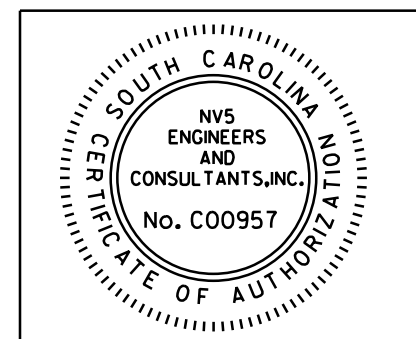


USE THIS SECTION FOR SIDE ROADS
DAVIS MILL RD. STA. 10+95.24 TO STA. 12+69.05
GLENN BRANDON RD. STA. 10+91.41 TO STA. 12+53.48



USE THIS SECTION FOR DRIVEWAYS
DRIVEWAY 1 STA. 10+31.50 TO STA. 13+44.32
DRIVEWAY 2 STA. 10+31.50 TO STA. 15+10.00

①		HOT MIX ASPHALT SURFACE COURSE TYPE B (200 LBS./S.Y.)
②		HOT MIX ASPHALT INTERMEDIATE COURSE TYPE B (200 LBS./S.Y.)
③		HOT MIX ASPHALT BASE COURSE TYPE A (600 LBS./S.Y.)
④		RETAIN EXISTING PAVEMENT
⑤		CONCRETE CURB AND GUTTER (2'-0") VERTICAL FACE
⑥		CONCRETE SIDEWALK (4" UNIFORM)
⑦		HOT MIX ASPHALT SURFACE COURSE FOR BUILDUP TYPE B (VARIES)



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7500 E. INDEPENDENCE BLVD., STE 100
CHARLOTTE, NC 28227
P: 704.537.7300 www.nv5.com
NC License # F-13333

FUNCTIONAL CLASS.	DESIGN SPEED		
	MPH	FROM STA.	TO STA.
RTE. PHARR YARNS INC. DWY			
RURAL LOCAL GROUP 3	30	10+69.00	13+04.17
RTE. DAVIS MILL RD.			
LOCAL GROUP 1	15	10+95.24	11+55.24
	20	11+55.24	12+69.05
RTE. GLENN BRANDON RD.			
LOCAL GROUP 3	40	10+91.41	11+41.41
	45	11+41.41	12+68.29

PAVEMENT DESIGN	YORK COUNTY PENNIES FOR PROGRESS
	TYPICAL SECTION SHEET
SCALE 1"V = 1'	SCALE 1" H = 5' RTE. SC 557

10/14/2022 default H:\Project\2006\320\20 SC 557 All CLIENT\Sheets\Typicals\SC557_typ.dgn

RIGHT-OF-WAY DATA SHEET

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	4	

TRACT NO.	PROPERTY OWNER	TAX MAP REFERENCE	TOTAL TRACT ACRES	OBTAIN ^A			REMAINDER LEFT ACRES ^B	REMAINDER RIGHT ACRES ^B	DATE ACQUIRED	TYPE OF INSTRUMENT	OUTFALL DITCH PERMISSION (YES)	SLOPE PERMISSION (YES)	DRAINAGE STRUCTURE PERMISSION (YES)	EROSION CONTROL PERMISSION (YES)	ENTRANCE CONSTRUCTION PERMISSION (YES)	REMARKS
				OUTFALL DITCH ACRES	LEFT	RIGHT											TOTAL
1	MARTIN, L. & W. P. CO TRUSTEES	4770000006	193.08		25,429 SF 0.584 AC		25,429 SF 0.584 AC	192.496				YES				
2	BELMONT LAND & INVESTMENT GRP.	4790000005	50.82	0.01		23,117 SF 0.531 AC	23,117 SF 0.531 AC		50.289			YES	YES	YES	YES	
3	BELMONT LAND & INVESTMENT GRP.	4790000002	363.37		83,775 SF 1.923 AC	80,577 SF 1.850 AC	164,352 SF 3.773 AC	9.884	349.713			YES	YES	YES	YES	TEMPORARY R/W 8,594 SF (0.197 AC)
4	BRICE H. BRACKETT	4790000020	1.377			3,741 SF 0.086 AC	3,741 SF 0.086 AC		1.291			YES				
5	SELKIRK REALTY LLC	4790000015	61.72			10,581 SF 0.243 AC	10,581 SF 0.243 AC		61.477			YES	YES	YES	YES	TEMPORARY R/W 22,182 SF (0.509 AC)
6	ERJOLA 550 KINDERKAMACK LLC	4770000008	11.055		51,341 SF 1.179 AC		51,341 SF 1.179 AC	9.876				YES	YES	YES	YES	TEMPORARY R/W 56,143 SF (1.289 AC)
7	CURTIN RENTAL PROPERTIES LLC	4770000043	28.89		14,952 SF 0.343 AC		14,952 SF 0.343 AC	28.547				YES	YES	YES	YES	
8	KMB FAMILY LTD PARTNERSHIP	4780000148	68.79		21,151 SF 0.486 AC		21,151 SF 0.486 AC	68.304								TEMPORARY R/W 1,440 SF (0.033 AC)
9	J. RIDLEY & M. CROWE	4800000005	15.41		66,608 SF 1.529 AC	112,811 SF 2.590 AC	179,419 SF 4.119 AC	0	11.291			YES	YES	YES	YES	OBTAIN BCA PERMISSION
10	DUKE POWER COMPANY	5720000002	---		31,930 SF 0.733 AC	22,370 SF 0.514 AC	54,300 SF 1.247 AC	---	---							
11	CHARLES M. JACKSON JR.	4800000007	23.54		125,971 SF 2.891 AC	84,835 SF 1.948 AC	133,129 SF 3.039 AC	0	18.701							TEMPORARY R/W 11,550 SF (0.265 AC)
12	JOHN EDWARD JACKSON	4800000001	23.57		44,677 SF 1.026 AC	46,744 SF 1.073 AC	91,421 SF 2.099 AC	0	21.471							
13	J. JOHNSTON W ETAL	4800000004	26.20		134,736 SF 3.093 AC	99,669 SF 2.288 AC	234,405 SF 5.381 AC	0	20.818			YES	YES			
14	J. JOHNSTON W ETAL	4800000002	71.082		84,729 SF 1.945 AC	158,313 SF 3.634 AC	243,042 SF 5.579 AC	0	65.503			YES	YES	YES	YES	EROSION CONTROL PERMISSION INCLUDES PERMANENTLY DRAINING EXISTING POND
15	CLOVER SCHOOL DISTRICT #2	4780000051	36.68		28,959 SF 0.665 AC		28,959 SF 0.665 AC	35.735				YES	YES			REMAINDER INCLUDES TRACT 15B
15B	CLOVER SCHOOL DISTRICT #2	4780000051	SEE 15		12,188 SF 0.28 AC		12,188 SF 0.28 AC	SEE 15				YES	YES			FOR PERMANENT SIDEWALK EASEMENT
16	BETHEL RURAL FIRE TAX DIST.	5630000002	2.821		477 SF 0.011 AC		477 SF 0.011 AC	2.810				YES	YES	YES	YES	PERMANENT MAINTENANCE EASEMENT
17	LAKE WYLIE ENTERPRISES INC	5630000005	2.91													NO CLAIM
18	LAKE WYLIE ENTERPRISES INC	5630000021	12.00									YES	YES			
19	G. ALEXANDER & K. ALEXANDER	5630000023	27.39			12,539 SF 0.288 AC	12,539 SF 0.288 AC		27.102			YES	YES			
20	GRACE D. ALEXANDER	5630000004	4.68		785 SF 0.018 AC		785 SF 0.018 AC	4.662				YES	YES	YES	YES	
21	G. ALEXANDER & K. GOLDBERG	5630000024	47.65		590 SF 0.014 AC		590 SF 0.014 AC	47.636				YES	YES	YES	YES	
22	KENNETH D. ALEXANDER	5610000030	9.82			3,101 SF 0.071 AC	3,101 SF 0.071 AC		9.749			YES	YES	YES	YES	
23	KENNETH D. ALEXANDER	5610000037	4.48			6,909 SF 0.159 AC	6,909 SF 0.159 AC		4.321			YES	YES	YES	YES	
24	KELLY A. GOLDBERG	5630000022	15.00									YES	YES	YES	YES	
25	HAROLD EDWARD JACKSON	5630000003	2.66									YES	YES	YES	YES	
26	PINE GROVE BAPTIST CHURCH	5630000009	1.38			5,630 SF 0.129 AC	5,630 SF 0.129 AC		1.251							
27	DUKE POWER COMPANY	5630000007	2.43		330 SF 0.008 AC		330 SF 0.008 AC	2.422				YES	YES	YES	YES	
28	PINE GROVE BAPTIST CHURCH	5610000005	2.30			5,074 SF 0.117 AC	5,074 SF 0.117 AC		2.183							
29	PINE GROVE BAPTIST CH. TRUSTEES	5610000001	2.79			5,304 SF 0.121 AC	5,304 SF 0.121 AC		2.669							
30	CRESCENT RESOURCES INC	5640000071	14.56		14,011 SF 0.322 AC		14,011 SF 0.322 AC	14.238				YES	YES	YES	YES	
31	HARPERS GREEN OWNERS INC	5610101098	8.672			9,958 SF 0.229 AC	9,958 SF 0.229 AC		8.443							
32	CRESCENT RESOURCES INC	5640000072	1.37		4,562 SF 0.105 AC		4,562 SF 0.105 AC	1.265				YES	YES	YES	YES	
33	JOHN D. & BETH B. HOOVER	4770000018	1.13									YES	YES	YES	YES	
34	CLOVER SCHOOL DISTRICT #2	4780000098	34.45									YES	YES	YES	YES	
35	NGUYEN SISTERS REAL ESTATE LLC	5640000073	1.51									YES	YES	YES	YES	
36	BANK OF AMERICA	5640000074	1.70									YES	YES	YES	YES	

NOTES:
^A TOTAL OBTAIN INCLUDES HIGHLAND, MARSH AND OUTFALL DITCHES. OBTAINS WILL BE SHOWN IN SQUARE FEET AND ACRES. ACRES WILL BE SHOWN IN PARENTHESES UNDER SQUARE FEET. IN RURAL AREAS OBTAINS MAY BE SHOWN IN ACRES ONLY. OUTFALL DITCHES WILL BE SHOWN IN ACRES ONLY.
^B SHOW REMAINDER IN SQUARE FEET WHEN LESS THAN 0.25 ACRE.



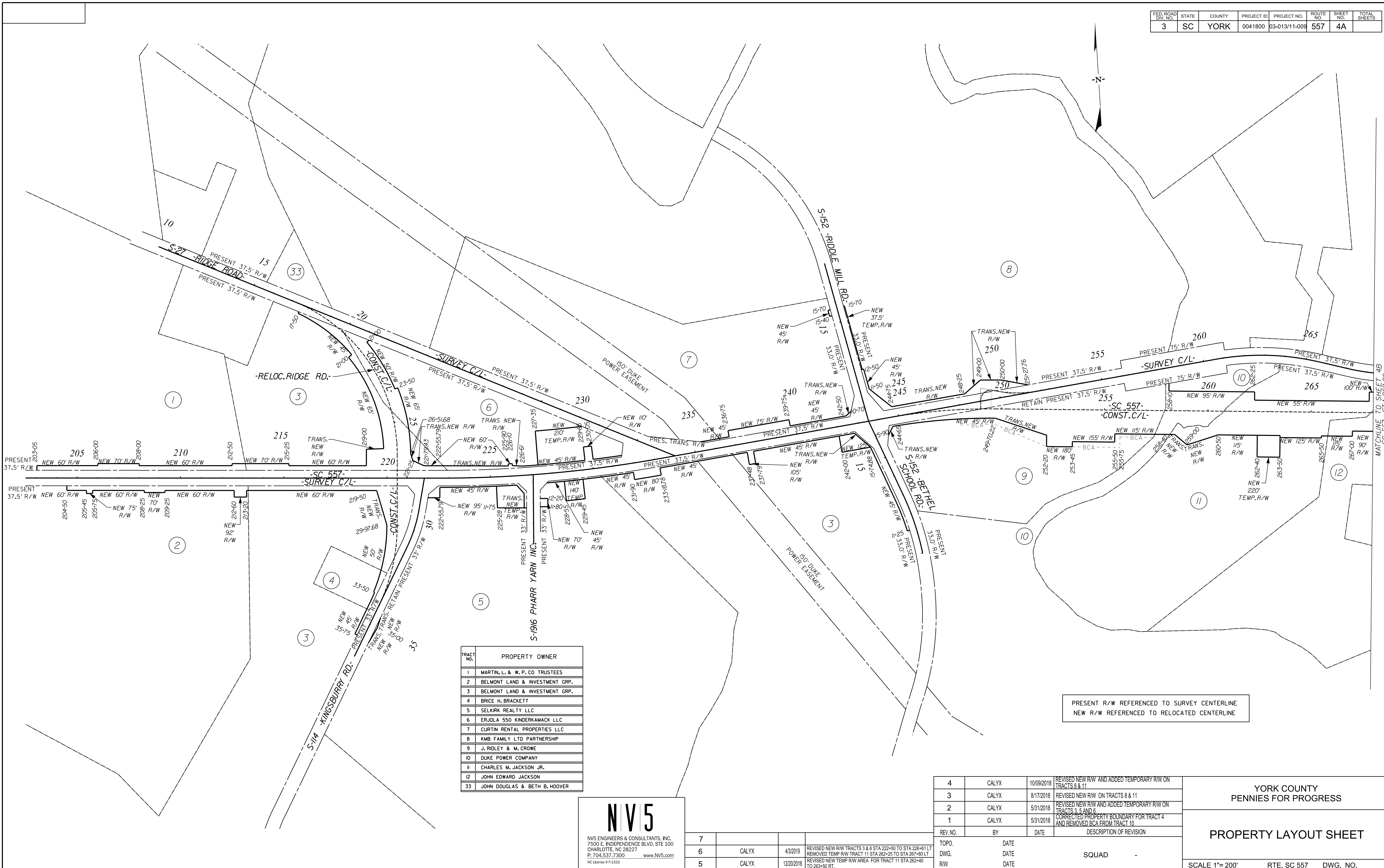
11	CALYX	10/18/2019	REVISED R/W AREA FOR TRACTS 13 and 14
10	CALYX	6/26/2019	REVISED R/W AREA FOR TRACT 15
9	CALYX	5/17/2019	CORRECTED TOTAL TRACT & REMAINDER AREAS FOR TRACT 31
8	CALYX	4/3/2019	REVISED OBTAIN & REMAINDER AREAS TRACTS 3 & 6. REVISED TRACT 11 REMAINDER & TEMPORARY R/W AREAS
7	CALYX	12/20/2018	REVISED TEMP R/W AREA FOR TRACT 11
6	CALYX	10/09/2018	REVISED R/W AREAS FOR TRACTS 8, 11 & 28, AND ADDED NEW TEMPORARY R/W ON TRACTS 8 & 11
5	CALYX	8/17/2018	REVISED R/W AREAS FOR TRACTS 8 AND 11 & REMOVED ALL PERMISSIONS
4	CALYX	5/31/2018	REVISED OBTAIN AREAS FOR TRACTS 3, 4, 5, 6, 12, 13, 20, 26, 28, 29, 31
3	CALYX	5/31/2018	CORRECTED OWNER NAMES FOR TRACTS 2, 7, 31, AND 33
2	CALYX	5/31/2018	REMOVED PERMISSIONS FROM TRACTS 10, 12, 26, 28, 29, & 31
1	CALYX	5/31/2018	CORRECTED TOTAL TRACT & REMAINDER AREAS FOR TRACTS 1, 2, 3, 6, 7, 8, 9, 11, 12, 13, 14, 16, 18, 19, 21, 24, & 34
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.	DATE		
DWG.	DATE		
R/W	DATE		

**YORK COUNTY
 PENNIES FOR PROGRESS**

RIGHT OF WAY DATA SHEET

SCALE 1"= N/A RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-008	557	4A	



TRACT NO.	PROPERTY OWNER
1	MARTIN, L. & W. P. CO TRUSTEES
2	BELMONT LAND & INVESTMENT GRP.
3	BELMONT LAND & INVESTMENT GRP.
4	BRICE H. BRACKETT
5	SELKIRK REALTY LLC
6	ERJOLA 550 KINDERKAMACK LLC
7	CURTIN RENTAL PROPERTIES LLC
8	KMB FAMILY LTD PARTNERSHIP
9	J. RIDLEY & M. CROWE
10	DUKE POWER COMPANY
11	CHARLES M. JACKSON JR.
12	JOHN EDWARD JACKSON
33	JOHN DOUGLAS & BETH B. HOOVER

NV5
 NV5 ENGINEERS & CONSULTANTS, INC.
 7500 E. INDEPENDENCE BLVD, STE 100
 CHARLOTTE, NC 28227
 P: 704.537.7300 www.NV5.com
 NC License # F-1333

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
7			
6	CALYX	4/3/2019	REVISED NEW R/W TRACTS 3 & 6 STA 222+50 TO STA 226+61 LT REMOVED TEMP R/W TRACT 11 STA 262+25 TO STA 267+80 LT REVISED NEW TEMP R/W AREA FOR TRACT 11 STA 262+40 TO 263+50 RT.
5	CALYX	12/20/2018	

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4	CALYX	10/09/2018	REVISED NEW R/W AND ADDED TEMPORARY R/W ON TRACTS 8 & 11
3	CALYX	8/17/2018	REVISED NEW R/W ON TRACTS 8 & 11
2	CALYX	5/31/2018	REVISED NEW R/W AND ADDED TEMPORARY R/W ON TRACTS 3, 5 AND 6
1	CALYX	5/31/2018	CORRECTED PROPERTY BOUNDARY FOR TRACT 4 AND REMOVED BCA FROM TRACT 10

PRESENT R/W REFERENCED TO SURVEY CENTERLINE
 NEW R/W REFERENCED TO RELOCATED CENTERLINE

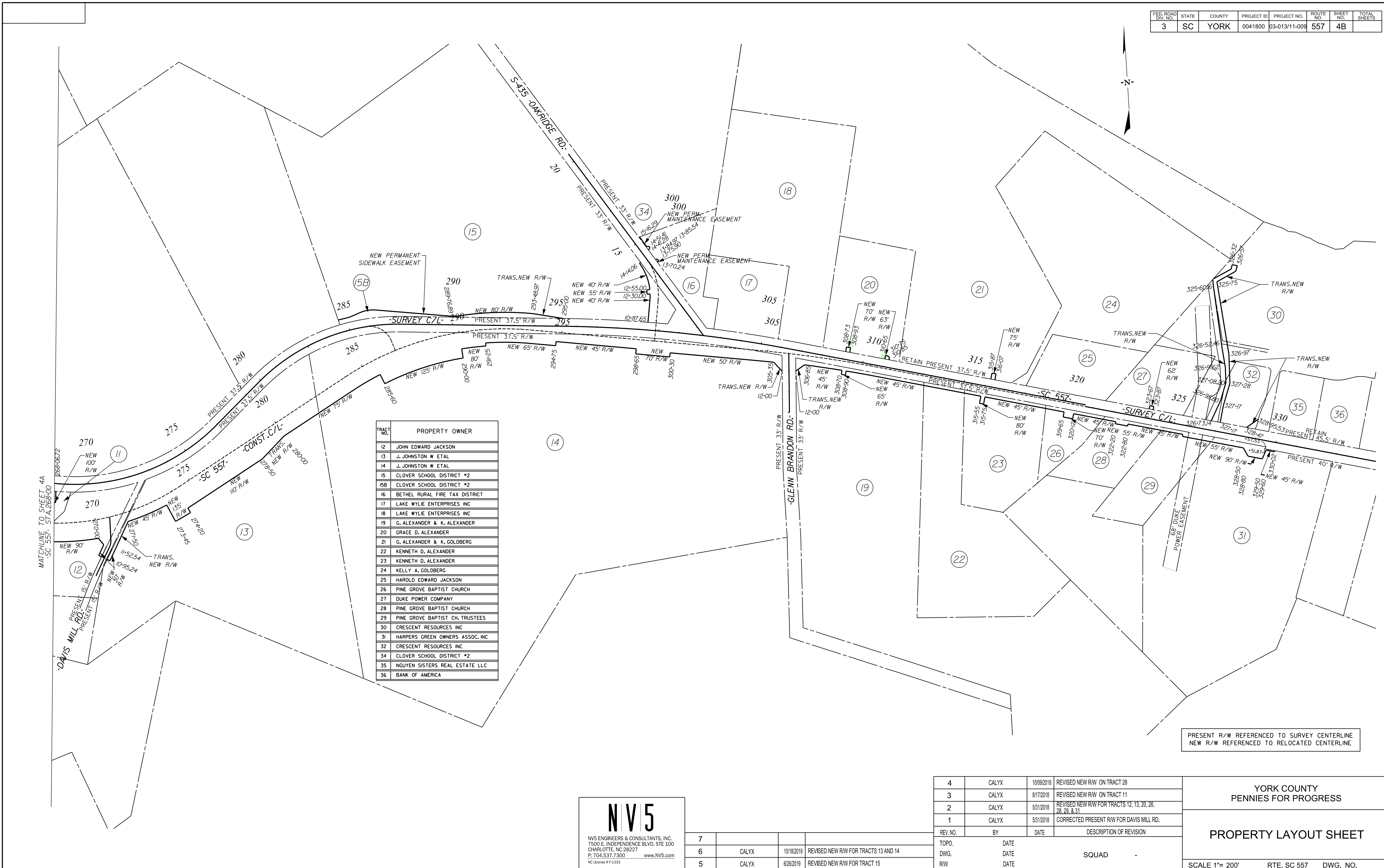
**YORK COUNTY
 PENNIES FOR PROGRESS**

PROPERTY LAYOUT SHEET

SCALE 1"= 200' RTE. SC 557 DWG. NO.

10/14/2022
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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-008	557	4B	



TRACT NO.	PROPERTY OWNER
12	JOHN EDWARD JACKSON
13	J. JOHNSTON W ETAL
14	J. JOHNSTON W ETAL
15	CLOVER SCHOOL DISTRICT #2
15B	CLOVER SCHOOL DISTRICT #2
16	BETHEL RURAL FIRE TAX DISTRICT
17	LAKE WYLIE ENTERPRISES INC
18	LAKE WYLIE ENTERPRISES INC
19	G. ALEXANDER & K. ALEXANDER
20	GRACE D. ALEXANDER
21	G. ALEXANDER & K. GOLDBERG
22	KENNETH D. ALEXANDER
23	KENNETH D. ALEXANDER
24	KELLY A. GOLDBERG
25	HAROLD EDWARD JACKSON
26	PINE GROVE BAPTIST CHURCH
27	DUKE POWER COMPANY
28	PINE GROVE BAPTIST CHURCH
29	PINE GROVE BAPTIST CH. TRUSTEES
30	CRESCENT RESOURCES INC
31	HARPERS GREEN OWNERS ASSOC, INC
32	CRESCENT RESOURCES INC
34	CLOVER SCHOOL DISTRICT #2
35	NGUYEN SISTERS REAL ESTATE LLC
36	BANK OF AMERICA

PRESENT R/W REFERENCED TO SURVEY CENTERLINE
NEW R/W REFERENCED TO RELOCATED CENTERLINE

NV5
 NV5 ENGINEERS & CONSULTANTS, INC.
 7500 E. INDEPENDENCE BLVD, STE 100
 CHARLOTTE, NC 28227
 P: 704.537.7300 www.NV5.com
 NC License # F-1333

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
7			
6	CALYX	10/18/2019	REVISED NEW R/W FOR TRACTS 13 AND 14
5	CALYX	6/28/2019	REVISED NEW R/W FOR TRACT 15

4	CALYX	10/09/2018	REVISED NEW R/W ON TRACT 28
3	CALYX	8/17/2018	REVISED NEW R/W ON TRACT 11
2	CALYX	5/31/2018	REVISED NEW R/W FOR TRACTS 12, 13, 20, 26, 28, 29 & 31
1	CALYX	5/31/2018	CORRECTED PRESENT R/W FOR DAVIS MILL RD.
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.	DATE		
DWG.	DATE		
R/W	DATE		

YORK COUNTY
 PENNIES FOR PROGRESS

PROPERTY LAYOUT SHEET

SCALE 1"= 200' RTE. SC 557 DWG. NO.

10/14/2022
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GENERAL CONSTRUCTION NOTES

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE/ROAD NO.	SHEET NO.
3	S.C.	YORK	0041800	557	5

ITEM NO.	PAY ITEM	QUANTITY	PAY UNIT	USE DESCRIPTION
1031000	MOBILIZATION	NEC	LS	PER CONTRACT DOCUMENTS
1031100	MOBILIZATION - SUBCONTRACTOR	NEC	LS	PER CONTRACT DOCUMENTS
1031200	BRIDGE CONSTRUCTION ACCESS	NEC	LS	PER CONTRACT DOCUMENTS
1032010	BONDS AND INSURANCE	NEC	LS	PER CONTRACT DOCUMENTS
1050800	CONSTRUCTION STAKES, LINES & GRADES	1.000	EA	PER CONTRACT DOCUMENTS
1052001	UTILITY STAKING	NEC	LS	PER CONTRACT DOCUMENTS
1080300	CPM PROGRESS SCHEDULE	NEC	LS	PER CONTRACT DOCUMENTS
1090200	AS-BUILT CONSTRUCTION PLANS	NEC	LS	PER CONTRACT DOCUMENTS
2021000	REMOVAL OF STRUCTURES & OBSTRUCTIONS	NEC	LS	WHERE DIRECTED BY THE ENGINEER
2021210	REMOVAL & DISPOSAL OF HIGH LEVEL CONTAMINATED SOIL	100.000	TON	WHERE DIRECTED BY THE ENGINEER
2031000	UNCLASSIFIED EXCAVATION	5000.000	CY	REMOVAL OF EXISTING PIPES
2031000	UNCLASSIFIED EXCAVATION	9270.000	CY	FOR REMOVAL OF EXISTING EMBANKMENT FOR BRIDGE AND SEDIMENT DAMS
2033100	BORROW PIT SET-UP	NEC	LS	PER CONTRACT DOCUMENTS
2036020	GEOTEXTILE, SEPARATION	1074.000	SY	WHERE DIRECTED BY THE ENGINEER
2037000	GEOGRID REINFORCEMENT (UNIAXIAL)	4261.000	SY	WHERE DIRECTED BY THE ENGINEER
2037030	GEOGRID STABILIZATION	1074.000	SY	WHERE DIRECTED BY THE ENGINEER
2052020	GRANULAR BRIDGE LIFT MATERIAL	1874.000	CY	WHERE DIRECTED BY THE ENGINEER
2103000	FLOWABLE FILL	30.000	CY	WHERE DIRECTED BY THE ENGINEER
3069900	MAINTENANCE STONE	5000.000	TON	FOR EROSION CONTROL AND MAINTENANCE OF DRIVES
3100310	HOT MIX ASPHALT BASE COURSE - TYPE A	60.000	TON	FOR BUILDUP
4011004	LIQUID ASPHALT BINDER PG64-22	557.000	TON	FOR BUILDUP
4012080	FULL DEPTH ASPH. PAV. PATCHING 8" UNIF	500.000	SY	WHERE DIRECTED BY THE ENGINEER
4013990	MILLING EXISTING ASPHALT PAVEMENT (VARIABLE)	4720.000	SY	WHERE DIRECTED BY THE ENGINEER FOR PROPER GRADE TIES
4020320	HOT MIX ASPHALT INTERMEDIATE COURSE TYPE B	6575.000	TON	FOR BUILDUP
4030320	HOT MIX ASPHALT SURFACE COURSE TYPE B	3625.000	TON	FOR BUILDUP
4037221	DRIVEWAY PAVING-SURFACE TYPE C NON-RESURFACING PROJECT	300.000	TON	FOR DRIVEWAYS
6021120	PERMANENT CONSTRUCTION SIGNS (GROUND MOUNTED)	100.000	SF	WHERE DIRECTED BY THE ENGINEER
7143618	18" SMOOTH WALL PIPE	124.000	LF	WHERE DIRECTED BY THE ENGINEER
7143624	24" SMOOTH WALL PIPE	76.000	LF	WHERE DIRECTED BY THE ENGINEER
7143630	30" SMOOTH WALL PIPE	24.000	LF	WHERE DIRECTED BY THE ENGINEER
7143636	36" SMOOTH WALL PIPE	8.000	LF	WHERE DIRECTED BY THE ENGINEER
7149999	CLEANING EXISTING PIPE	800.000	LF	WHERE DIRECTED BY THE ENGINEER
7196000	EXTRA DEPTH OF BOX	130.000	LF	WHERE DIRECTED BY THE ENGINEER
7199100	BEVELING OF PIPE END	5.000	EA	WHERE DIRECTED BY THE ENGINEER
8041010	RIP-RAP (CLASS A)	80.000	TON	FOR EROSION CONTROL
8041020	RIP-RAP (CLASS B)	100.000	TON	FOR EROSION CONTROL
8041030	RIP-RAP (CLASS C)	950.000	TON	FOR USE AROUND BRIDGE ENDS
8048210	GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP(CLASS 2)TYPE C	1675.000	SY	FOR USE AROUND BRIDGE ENDS
8068301	TEMPORARY BARRIER FENCE	6000.000	LF	FOR PROTECTION OF WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS
8100100	PERMANENT COVER	23.000	ACRE	WHERE DIRECTED BY THE ENGINEER
8100200	TEMPORARY COVER	12.000	ACRE	WHERE DIRECTED BY THE ENGINEER
8101105	COMPOST	6200.000	CY	WHERE DIRECTED BY THE ENGINEER
8101110	STRAW OR HAY MULCH WITH TACKIFIER	35.000	ACRE	WHERE DIRECTED BY THE ENGINEER
8104005	FERTILIZER (NITROGEN)	2300.000	LB	WHERE DIRECTED BY THE ENGINEER
8104010	FERTILIZER (PHOSPHORIC ACID)	2300.000	LB	WHERE DIRECTED BY THE ENGINEER
8104015	FERTILIZER (POTASH)	2300.000	LB	WHERE DIRECTED BY THE ENGINEER
8105005	AGRICULTURAL GRANULAR LIME	46000.000	LB	WHERE DIRECTED BY THE ENGINEER
8109050	SELECTIVE WATERING	271500.000	GAL	WHERE DIRECTED BY THE ENGINEER
8109901	MOWING	70.000	ACRE	WHERE DIRECTED BY THE ENGINEER
8151203	HYDRAULIC EROSION CONTROL PRODUCT (HECP) - TYPE 3	70.000	ACRE	FOR EROSION CONTROL
8152004	INLET STRUCTURE FILTER - TYPE F (WEIGHTED)	1760.000	LF	FOR EROSION CONTROL
8152006	INLET STRUCTURE FILTER- TYPE F (NON-WEIGHTED)	1370.000	LF	FOR EROSION CONTROL
8153000	SILT FENCE	26300.000	LF	FOR EROSION CONTROL
8153090	REPLACE/REPAIR SILT FENCE	7890.000	LF	FOR MAINTENANCE OF SILT FENCE
8154010	CLEANING SILT BASINS	5550.000	CY	WHERE DIRECTED BY THE ENGINEER
8154050	REMOVAL OF SILT RETAINED BY SILT FENCE	6575.000	LF	FOR MAINTENANCE OF SILT FENCE
8156410	AGGREGATE NO.5 OR 57 FOR EROSION CONTROL	3620.000	TON	WHERE DIRECTED BY THE ENGINEER
8156490	STABILIZED CONSTRUCTION ENTRANCE	1375.000	SY	WHERE DIRECTED BY THE ENGINEER
8157012	TEMPORARY FLEXIBLE PIPE SLOPE DRAIN - 12"	300.000	LF	WHERE DIRECTED BY THE ENGINEER

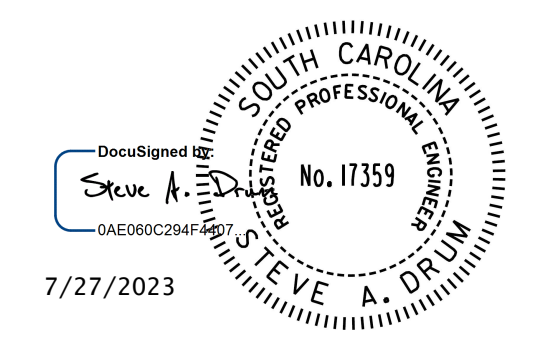
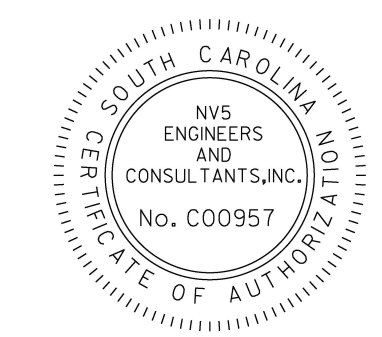
PROJECT CONTACTS		
	NAME	TELEPHONE
York County Project Manager	Ron Smith, PE	(803)818-5725
Roadway Design Engineer	Steve Drum, PE	(704)566-4319
Hydraulic Design Engineer	David Bocker, PE	(704)566-4342

GENERAL CONSTRUCTION NOTES:
YORK COUNTY GOVERNMENT 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.

SEE SHEET G1 FOR GENERAL GEOTECHNICAL NOTES



PIPE INSIDE DIAMETER [IN]	REQ'D RIPRAP	2:1 SLOPE		3:1 SLOPE		4:1 SLOPE		6:1 SLOPE	
		RIPRAP [TON]	GEOTEXTILE [SY]	RIPRAP [TON]	GEOTEXTILE [SY]	RIPRAP [TON]	GEOTEXTILE [SY]	RIPRAP [TON]	GEOTEXTILE [SY]
12	B	6	7	8	10	10	12	15	18
15	B	6	8	9	11	11	14	16	20
18	B	7	9	10	12	12	15	18	22
24	B	8	10	11	15	15	19	22	27
30	B	10	13	14	18	18	23	26	34
36	B	13	17	18	24	23	31	34	45
42	B	16	21	23	30	29	39	43	57
48	B	20	26	28	37	36	48	53	70
54	B	24	32	34	45	44	59	64	86
60	B	29	39	40	54	53	71	77	104
66	B	34	48	48	64	62	84	91	124
72	B	40	53	56	75	73	98	107	145
78	B	46	62	64	87	84	114	123	167
84	B	52	71	74	100	96	130	141	192
90	C	102	80	144	113	188	148	277	218
96	C	115	91	162	128	211	167	311	245
108	C	143	113	201	159	262	207	387	306
120	C	175	138	247	195	322	254	474	375

10/4/2022
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CURVE DATA FOR SC 557

<i>P.I. = 227+88.68</i> <i>Δ = 10° 09' 03" (LT)</i> <i>D = 0° 57' 18"</i> <i>T = 532.89'</i> <i>L = 1,062.98'</i> <i>E = 23.62'</i> <i>R = 6,000.00'</i> <i>D.S. = 45 MPH</i> <i>eMAX = 0.060</i> <i>e = RC</i> <i>PC LG = 0.54%</i> <i>PT LG = 0.54%</i>	<i>Reloc. Curve Data</i> <i>P.I. = 247+09.22</i> <i>Δ = 10° 42' 46" (RT)</i> <i>D = 2° 02' 47"</i> <i>T = 262.53'</i> <i>L = 523.52'</i> <i>E = 12.28'</i> <i>R = 2,800.00'</i> <i>D.S. = 45 MPH</i> <i>eMAX = 0.060</i> <i>e = 0.031</i> <i>PC LG = 0.54%</i> <i>PT LG = 0.54%</i>	<i>Reloc. Curve Data</i> <i>P.I. = 271+32.55</i> <i>Δ = 34° 01' 22" (LT)</i> <i>D = 5° 22' 48"</i> <i>T = 325.83'</i> <i>L = 632.41'</i> <i>E = 48.73'</i> <i>R = 1,065.00'</i> <i>D.S. = 45 MPH</i> <i>eMAX = 0.060</i> <i>e = 0.053</i> <i>PC LG = 0.54%</i> <i>PT LG = 0.54%</i>	<i>Reloc. Curve Data</i> <i>P.I. = 288+96.47</i> <i>Δ = 38° 33' 44" (RT)</i> <i>D = 4° 05' 33"</i> <i>T = 489.75'</i> <i>L = 942.25'</i> <i>E = 83.19'</i> <i>R = 1,400.00'</i> <i>D.S. = 45 MPH</i> <i>eMAX = 0.060</i> <i>e = 0.047</i> <i>PC LG = 0.54%</i> <i>PT LG = 0.54%</i>	<i>Reloc. Curve Data</i> <i>P.I. = 307+32.74</i> <i>Δ = 5° 35' 22" (RT)</i> <i>D = 0° 57' 18"</i> <i>T = 292.89'</i> <i>L = 585.32'</i> <i>E = 7.14'</i> <i>R = 6,000.00'</i> <i>D.S. = 45 MPH</i> <i>eMAX = 0.060</i> <i>e = RC</i> <i>PC LG = 0.54%</i> <i>PT LG = 0.54%</i>
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REFERENCE POINTS

SC 557 CENTERLINE				RIDGE RD./KINGSBURRY RD. CONSTRUCTION CENTERLINE			
POINT	NORTHING	EASTING	STATION	POINT	NORTHING	EASTING	STATION
POT	1,196,060.8632	1,960,385.4652	200+47.75	POT	1,197,126.8087	1,961,299.4120	10+00.50
PC	1,195,924.1107	1,962,589.2691	222+55.79	PC	1,196,821.5916	1,961,937.1622	17+07.52
PT	1,195,952.3549	1,963,650.4878	233+18.78	PT	1,196,050.7012	1,962,390.2891	26+56.37
PC	1,196,081.9935	1,964,770.9330	244+46.70	PC	1,195,710.0383	1,962,369.2670	29+97.68
PT	1,196,093.3387	1,965,293.5705	249+70.22	PT	1,195,325.6216	1,962,256.1714	34+01.78
PC	1,195,961.6246	1,967,125.3382	268+06.72	POT	1,195,087.6844	1,962,122.8841	36+74.50
PT	1,196,100.7292	1,967,732.7700	274+39.12				
PC	1,196,583.2092	1,968,571.4914	284+06.72				
PT	1,196,753.7423	1,969,480.1970	293+48.97				
PC	1,196,589.6338	1,970,558.6599	304+39.85				
PT	1,196,473.5169	1,971,132.1094	310+25.17				
POT	1,195,641.5707	1,974,409.9066	344+06.90				

CURVE DATA FOR SIDE ROADS

RIDGE RD.	KINGSBURRY RD.	BETHEL SCHOOL RD.	DAVIS MILL RD.	OAKRIDGE RD.
<i>Reloc. Curve Data</i> <i>P.I. = 22+46.69</i> <i>Δ = 67° 57' 22" (RT)</i> <i>D = 7° 09' 43"</i> <i>T = 539.16'</i> <i>L = 948.85'</i> <i>E = 164.73'</i> <i>R = 800.00'</i> <i>D.S. = 45 MPH</i> <i>eMAX = 0.060</i> <i>e = 0.059</i> <i>PC LG = 0.54%</i> <i>PT LG = 0.54%</i>	<i>Reloc. Curve Data</i> <i>P.I. = 32+03.19</i> <i>Δ = 25° 43' 31" (RT)</i> <i>D = 6° 21' 58"</i> <i>T = 205.51'</i> <i>L = 404.09'</i> <i>E = 23.17'</i> <i>R = 900.00'</i> <i>D.S. = 45 MPH</i> <i>eMAX = 0.060</i> <i>e = 0.057</i> <i>PC LG = 0.54%</i> <i>PT LG = 0.54%</i>	<i>P.I. = 11+47.42</i> <i>Δ = 13° 27' 08" (LT)</i> <i>D = 4° 35' 01"</i> <i>T = 147.42'</i> <i>L = 293.48'</i> <i>E = 8.66'</i> <i>R = 1,250.00'</i> <i>D.S. = 45 MPH</i> <i>eMAX = 0.060</i> <i>e = 0.050</i> <i>PC LG = 0.54%</i> <i>PT LG = 0.54%</i>	<i>P.I. = 11+72.67</i> <i>Δ = 28° 14' 58" (LT)</i> <i>D = 71° 37' 11"</i> <i>T = 20.13'</i> <i>L = 39.44'</i> <i>E = 2.49'</i> <i>R = 80.00'</i> <i>D.S. = N/A</i> <i>eMAX = N/A</i> <i>e = VARIES</i>	<i>Reloc. Curve Data</i> <i>P.I. = 13+09.85</i> <i>Δ = 41° 45' 30" (LT)</i> <i>D = 19° 05' 55"</i> <i>T = 114.43'</i> <i>L = 218.65'</i> <i>E = 21.08'</i> <i>R = 300.00'</i> <i>D.S. = N/A</i> <i>eMAX = N/A</i> <i>e = VARIES</i>

RIDDLE MILL RD. CONSTRUCTION CENTERLINE

POINT	NORTHING	EASTING	STATION
POT	1,196,071.2163	1,964,677.7876	10+00.00
POT	1,196,847.2435	1,964,511.6537	17+93.61

BETHEL SCHOOL RD. CONSTRUCTION CENTERLINE

POINT	NORTHING	EASTING	STATION
PC	1,195,417.5014	1,964,899.8126	10+00.00
PT	1,195,700.4874	1,964,824.6188	12+93.48
POT	1,196,071.2163	1,964,677.7876	16+92.23

OAKRIDGE RD. CONSTRUCTION CENTERLINE

POINT	NORTHING	EASTING	STATION
POT	1,196,663.3352	1,970,074.3205	10+00.00
PC	1,196,856.5273	1,970,103.7183	11+95.42
PT	1,197,065.5154	1,970,058.4309	14+14.06
POT	1,197,594.1194	1,969,713.7591	20+45.11

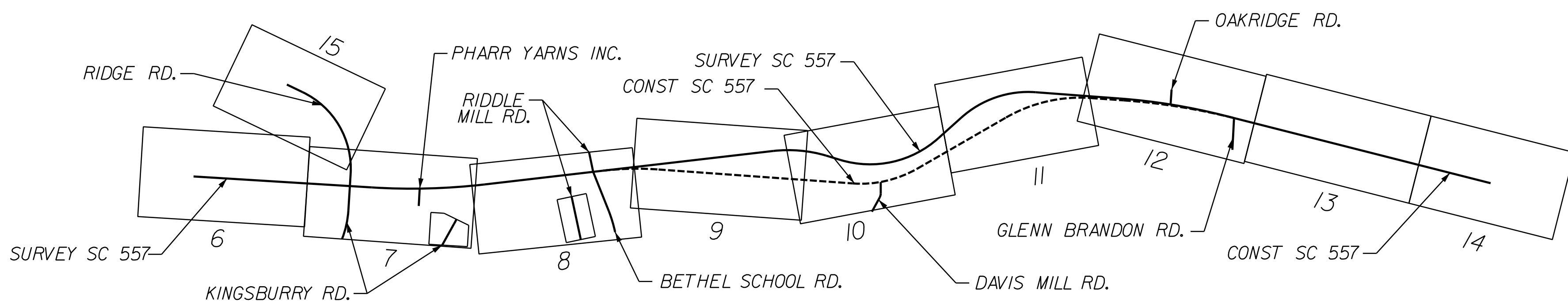
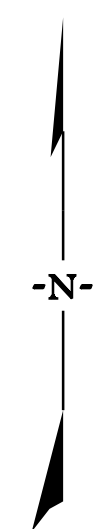
DAVIS MILL RD. CONSTRUCTION CENTERLINE

POINT	NORTHING	EASTING	STATION
POT	1,195,694.7563	1,967,305.3552	10+00.00
PC	1,195,828.6038	1,967,378.5154	11+52.54
PT	1,195,866.3992	1,967,388.3153	11+91.98
POT	1,195,975.4955	1,967,389.0985	13+01.08

GLENN BRANDON RD. CONSTRUCTION CENTERLINE

POINT	NORTHING	EASTING	STATION
POT	1,196,278.0934	1,970,704.9142	10+00.00
POT	1,196,562.9811	1,970,719.1502	12+85.24

DW 1	DW 2
<i>P.I. = 11+01.11</i> <i>Δ = 101° 25' 56" (RT)</i> <i>D = 114° 35' 30"</i> <i>T = 61.12'</i> <i>L = 88.52'</i> <i>E = 28.97'</i> <i>R = 50.00'</i>	<i>P.I. = 12+46.02</i> <i>Δ = 20° 42' 29" (LT)</i> <i>D = 10° 25' 03"</i> <i>T = 100.49'</i> <i>L = 198.78'</i> <i>E = 9.10'</i> <i>R = 550.00'</i>
<i>P.I. = 11+40.05</i> <i>Δ = 77° 02' 13" (LT)</i> <i>D = 50° 42' 15"</i> <i>T = 89.94'</i> <i>L = 151.93'</i> <i>E = 31.43'</i> <i>R = 113.00'</i>	<i>P.I. = 13+82.20</i> <i>Δ = 21° 35' 14" (LT)</i> <i>D = 6° 03' 47"</i> <i>T = 180.16'</i> <i>L = 356.05'</i> <i>E = 17.02'</i> <i>R = 945.00'</i>



VERTICAL DATUM: NAVD 88 HORIZONTAL DATUM: NAD 83
 SOUTH CAROLINA STATE PLAN ZONE 3900
 COMBINED FACTOR - 1.000091606
 ORIENTATION - GRID NORTH

4				YORK COUNTY PENNIES FOR PROGRESS
3				
2				
1				
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	REFERENCE SHEET
TOPO.		DATE		
DWG.		DATE	SQUAD -	
R/W		DATE		SCALE 1"= N/A RTE. SC 557 DWG. NO.

DocuSigned by
Steve A. Drum
0A8060C204F4
7/27/2023

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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	5B	

CONTROL POINTS

POINT	SC 557 STATION	OFFSET FROM SC 557 \angle	DESCRIPTION	ELEVATION	NORTHING	EASTING
BL-1	215+98.47	18.33' LT	24" REBAR AND CAP	640.93'	1,195,983.1160	1,961,934.3430
BL-2	222+14.22	33.51' RT	24" REBAR AND CAP	632.42'	1,195,893.2380	1,962,545.7050
BL-3	227+40.15	29.44' RT	24" REBAR AND CAP	619.11'	1,195,884.2170	1,963,073.9380
BL-4	234+15.67	24.87' LT	24" REBAR AND CAP	629.25'	1,195,988.1960	1,963,743.8770
BL-5	244+06.65	36.75' RT	24" REBAR AND CAP	629.22'	1,196,040.8830	1,964,735.3720
BL-6	249+36.17	69.58' LT	24" REBAR AND CAP	610.27'	1,196,165.0300	1,965,263.7380
BL-7	257+31.85	176.07' LT	24" REBAR AND CAP	583.64'	1,196,214.3360	1,966,065.8640
BL-8	262+05.33	293.33' LT	24" REBAR AND CAP	584.79'	1,196,297.3310	1,966,546.5430
13-3	269+53.66	220.20' LT	24" REBAR AND CAP	594.41'	1,196,180.9280	1,967,257.5990
13-4	274+91.03	102.68' LT	24" REBAR AND CAP	589.56'	1,196,215.6170	1,967,726.5620
BL-9	281+84.67	257.56' LT	24" REBAR AND CAP	597.84'	1,196,695.7450	1,968,250.5930
BL-10	286+96.57	150.48' LT	24" REBAR AND CAP	617.30'	1,196,843.8720	1,968,789.2340
BL-11	294+86.03	42.85' LT	24" REBAR AND CAP	643.67'	1,196,775.4850	1,969,622.1430
BL-12	301+96.38	28.33' LT	24" REBAR AND CAP	662.21'	1,196,654.2680	1,970,322.2200
BL-13	306+00.14	56.92' LT	24" REBAR AND CAP	664.54'	1,196,619.4330	1,970,726.8510
BL-14	314+10.67	26.67' LT	24" REBAR AND CAP	659.00'	1,196,404.5270	1,971,512.3280
BL-15	323.83.34	29.61' LT	24" REBAR AND CAP	645.98'	1,196,168.0900	1,972,455.8290
BL-16	333+09.92	38.67' RT	24" REBAR AND CAP	647.31'	1,195,873.9580	1,973,337.1350
BL-17	341+67.54	40.58' RT	24" REBAR AND CAP	655.85'	1,195,661.1270	1,974,167.9240

POINT	RIDGE RD. STATION	OFFSET FROM RIDGE RD. \angle	DESCRIPTION	ELEVATION	NORTHING	EASTING
BY3-19	18+09.86	24.97' LT	24" REBAR AND CAP	657.96'	1,196,792.6000	1,962,039.9660
BY3-20	24+72.33	521.61' LT	24" REBAR AND CAP	627.07'	1,196,321.5010	1,962,894.7150

BL-4 (SEE SC 557)

POINT	KINGSBURY RD. STATION	OFFSET FROM KINGSBURY RD. \angle	DESCRIPTION	ELEVATION	NORTHING	EASTING
BL-2 (SEE SC 557)						
BY1-17	31+28.27	26.24' LT	24" REBAR AND CAP	638.45'	1,195,575.3510	1,962,377.4920

POINT	PHARR YARNS INC. STATION	OFFSET FROM KINGSBURY RD. \angle	DESCRIPTION	ELEVATION	NORTHING	EASTING
BY2-18	10+53.93	24.62' LT	24" REBAR AND CAP	627.98'	1,195,633.0710	1,963,001.6240

BL-3 (SEE SC 557)

POINT	RIDDLE MILL RD. STATION	OFFSET FROM RIDDLE MILL RD. \angle	DESCRIPTION	ELEVATION	NORTHING	EASTING
BL-5 (SEE SC 557)						
BY4-21	12+90.98	21.14' LT	24" REBAR AND CAP	637.13'	1,196,351.3220	1,964,596.2070

BENCHMARKS

POINT	SC 557 STATION	OFFSET FROM SC 557 \angle	DESCRIPTION	ELEVATION	NORTHING	EASTING
BM-1	215+44.20	32.06' RT	RR SPIKE IN BASE OF 12' OAK	641.61'	1,195,936.1857	1,961,877.0538
BM-2	226+57.80	104.84' RT	RR SPIKE IN BASE OF 24' OAK	621.83'	1,195,807.8317	1,962,991.5677
BM-3	234+00.50	52.76' RT	RR SPIKE IN 15' OAK	629.96'	1,195,909.3347	1,963,737.7397
BM-6	244+11.36	79.74' LT	RR SPIKE IN BASE OF 20' POPLAR	629.70'	1,196,157.1428	1,964,726.6667
BM-7	255+41.25	218.41' LT	RR SPIKE IN BASE OF 24' OAK	589.02'	1,196,270.2308	1,965,878.7947
BM-8	262+09.44	364.38' LT	RR SPIKE IN BASE OF 24' BIRCH	591.32'	1,196,367.9028	1,966,555.7367
BM-9	275+10.40	91.06' LT	RR SPIKE IN PP	591.06'	1,196,215.2038	1,967,749.1527
BM-11	292+34.84	30.51' RT	RR SPIKE	634.86'	1,196,735.8638	1,969,364.6757
BM-12	303+51.92	2.67' LT	RR SPIKE IN PP	663.30'	1,196,605.4998	1,970,472.1328
BM-14	313+95.73	32.63' RT	RR SPIKE IN PP	659.35'	1,196,350.7238	1,971,483.2577
BM-15	324+65.06	73.68' LT	RR SPIKE IN BASE OF 20' OAK	642.80'	1,196,190.6968	1,972,545.8747
BM-16	333+79.22	90.97' LT	RR SPIKE IN PP	650.48'	1,195,982.5638	1,973,436.1888

POINT	RIDGE RD. STATION	OFFSET FROM RIDGE RD. \angle	DESCRIPTION	ELEVATION	NORTHING	EASTING
BM-5	18+48.93	73.07' LT	RR SPIKE IN BASE OF 10' OAK	658.81'	1,196,808.9588	1,962,101.3067
BM-4	24+85.94	495.33' LT	RR SPIKE IN BASE OF 14' OAK	667.35'	1,196,295.3458	1,962,872.3188

POINT	OAKRIDGE RD. STATION	OFFSET FROM OAKRIDGE RD. \angle	DESCRIPTION	ELEVATION	NORTHING	EASTING
BM-13	15+22.90	52.79' LT	RR SPIKE IN BASE OF 18' OAK	658.21'	1,197,185.5228	1,970,043.2027

CONTROL POINTS

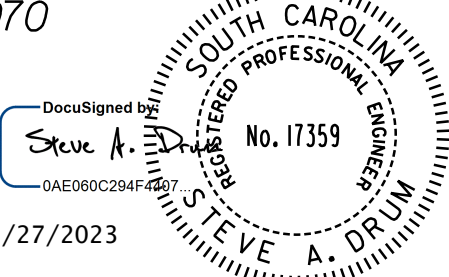
POINT	BETHEL SCHOOL RD. STATION	OFFSET FROM BETHEL SCHOOL RD. \angle	DESCRIPTION	ELEVATION	NORTHING	EASTING
BY4-22	13+81.95	22.23' LT	24" REBAR AND CAP	614.07'	1,195,774.5580	1,964,771.3740

BL-5 (SEE SC 557)

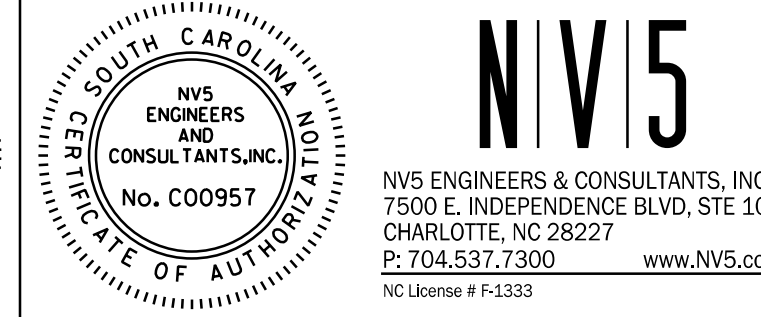
POINT	OAKRIDGE RD. STATION	OFFSET FROM OAKRIDGE RD. \angle	DESCRIPTION	ELEVATION	NORTHING	EASTING
BY5-23	14+97.29	14.78' LT	24" REBAR AND CAP	658.69'	1,197,127.1640	1,970,000.5910

BL-12 (SEE SC557)

10/14/2022 default H:\Project\2006\320\20 SC 557 All CLIENT\Sheets\Misc Sheets\SC557_ref_5Apsht.dgn



DocuSigned by:
Steve A. Drum
No. 17359
7/27/2023



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YORK COUNTY PENNIES FOR PROGRESS			
REFERENCE SHEET			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	SQUAD
R/W		DATE	

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	5C	

SC 557 CURB GRADE LEFT

	STATION	ELEVATION	CURVE LENGTH
VPI 1	221+43.03	634.46	---
VPI 2	225+00.00	625.93	60.00'
VPI 3	229+09.00	616.92	586.00'
VPI 4	235+50.00	634.51	664.00'
VPI 5	242+00.00	631.33	60.00'
VPI 6	242+71.29	631.35	---
VPI 1	244+31.49	631.45	---
VPI 2	245+00.00	631.16	80.00'
VPI 3	246+16.00	629.34	120.00'
VPI 4	247+20.00	626.67	60.00'
VPI 5	248+28.00	623.37	80.00'
VPI 6	248+96.00	620.87	40.00'
VPI 7	249+64.00	618.15	90.00'
VPI 8	250+98.00	612.33	30.00'
VPI 9	252+55.00	605.80	120.00'
VPI 10	254+14.00	600.58	190.00'
VPI 11	255+59.84	598.12	---
VPI 1	259+49.84	591.88	---
VPI 2	260+97.00	589.68	240.00'
VPI 3	267+32.00	593.23	120.00'
VPI 4	269+10.00	593.19	80.00'
VPI 5	273+44.00	595.63	95.00'
VPI 6	274+74.00	598.21	146.00'
VPI 7	276+42.00	603.21	100.00'
VPI 8	280+80.00	620.64	50.00'
VPI 9	282+26.00	627.02	78.00'
VPI 10	283+18.00	630.42	100.00'
VPI 11	284+05.00	632.69	60.00'
VPI 12	284+60.00	633.83	36.00'
VPI 13	285+00.00	634.54	38.00'
VPI 14	285+70.00	635.07	20.00'
VPI 15	291+50.00	638.55	120.00'
VPI 16	293+44.00	641.97	55.00'
VPI 17	296+58.00	650.32	200.00'
VPI 18	298+62.93	657.11	---

SC 557 CURB GRADE LEFT

	STATION	ELEVATION	CURVE LENGTH
VPI 1	300+43.00	661.56	---
VPI 2	301+24.00	662.98	100.00'
VPI 3	302+50.00	664.16	50.00'
VPI 4	303+54.00	665.54	100.00'
VPI 5	304+78.00	666.92	100.00'
VPI 6	306+25.00	667.74	100.00'
VPI 7	307+86.00	668.39	220.00'
VPI 8	309+85.00	666.80	128.00'
VPI 9	312+38.00	662.50	100.00'
VPI 10	319+38.00	654.40	500.00'
VPI 11	325+56.00	644.63	100.00'
VPI 12	326+50.00	643.76	50.00'
VPI 13	327+00.00	643.65	50.00'
VPI 14	327+84.00	643.24	100.00'
VPI 15	328+51.59	643.31	---

SC 557 CURB GRADE RIGHT

	STATION	ELEVATION	CURVE LENGTH
VPI 1	221+16.53	635.60	---
VPI 2	222+75.00	633.05	100.00'
VPI 3	226+00.00	625.28	40.00'
VPI 4	226+28.08	624.65	---
VPI 1	227+71.69	622.45	---
VPI 2	229+36.00	621.13	300.00'
VPI 3	231+42.00	624.86	106.00'
VPI 4	232+26.00	627.14	42.00'
VPI 5	233+20.00	629.36	120.00'
VPI 6	234+50.00	630.84	20.00'
VPI 7	237+32.00	633.66	320.00'
VPI 8	242+83.78	630.91	---
VPI 1	244+45.15	629.95	---
VPI 2	244+50.00	629.89	---
VPI 3	245+50.42	628.25	20.00'
VPI 4	246+34.36	626.76	120.00'
VPI 5	247+26.92	624.34	---
VPI 1	247+98.24	622.18	---

SC 557 CURB GRADE RIGHT

	STATION	ELEVATION	CURVE LENGTH
VPI 2	248+45.00	620.61	50.00'
VPI 3	249+00.00	618.60	50.00'
VPI 4	249+90.00	615.63	40.00'
VPI 5	252+86.00	604.83	40.00'
VPI 6	254+14.00	600.58	186.00'
VPI 7	255+42.16	598.41	---
VPI 1	259+32.16	592.17	---
VPI 2	260+24.00	590.75	108.00'
VPI 3	261+46.00	589.98	136.00'
VPI 4	264+86.00	591.83	150.00'
VPI 5	267+68.00	595.28	250.00'
VPI 6	269+50.00	597.05	110.00'
VPI 7	270+06.95	597.25	---
VPI 1	271+11.63	597.83	---
VPI 2	274+75.00	599.95	200.00'
VPI 3	276+54.00	604.36	55.00'
VPI 4	277+66.00	608.15	90.00'
VPI 5	282+36.00	626.83	162.00'
VPI 6	283+50.00	629.77	60.00'
VPI 7	284+36.00	630.96	60.00'
VPI 8	285+66.00	631.93	50.00'
VPI 9	291+62.00	635.50	148.00'
VPI 10	292+86.00	637.91	100.00'
VPI 11	294+70.00	644.17	195.00'
VPI 12	299+10.00	658.43	80.00'
VPI 13	300+42.00	661.88	160.00'
VPI 14	301+84.00	663.75	115.00'
VPI 15	305+55.77	665.86	---
VPI 1	306+68.04	666.49	---
VPI 2	308+82.00	666.65	255.00'
VPI 3	319+60.00	654.05	450.00'
VPI 4	326+55.00	643.05	75.00'
VPI 5	327+62.00	642.05	136.00'
VPI 6	328+54.36	642.21	---

10/14/2022
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DocuSigned by
Steve A. Drum
7/27/2023

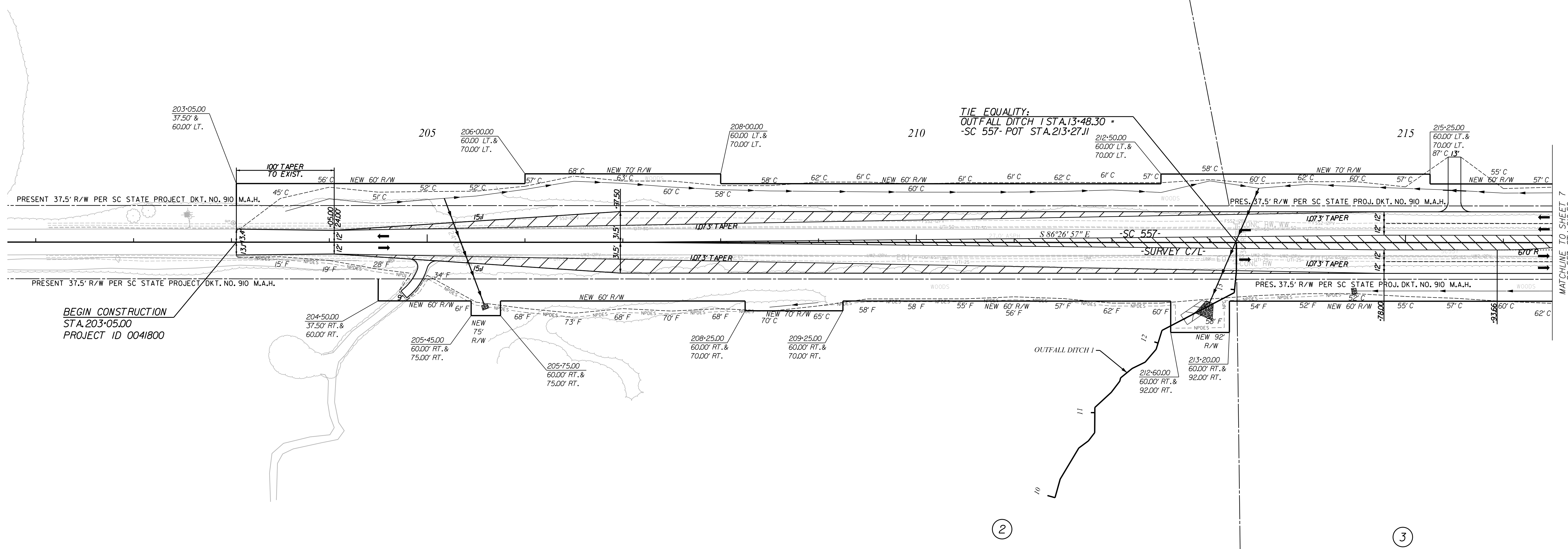
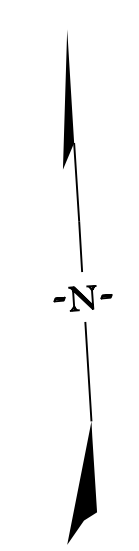
STATE OF SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. 17359
STEVE A. DRUM

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NC License # P-1333

4				YORK COUNTY PENNIES FOR PROGRESS
3				
2				
1				
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	REFERENCE SHEET
TOPO.		DATE		
DWG.		DATE	SQUAD -	
R/W		DATE		SCALE 1"= N/A
				RTE. SC 557
				DWG. NO.

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	6	

UTILITY NOTES:
 ELECTRIC: DUKE ENERGY
 TELEPHONE: AT&T
 GAS: YORK COUNTY NATURAL GAS AUTHORITY
 CABLE TV: COMPORIUM
 FIBER OPTIC: VERIZON
 WATER AND SEWER: BLUE GRANITE WATER CO.
 WATER AND SEWER: TOWN OF CLOVER

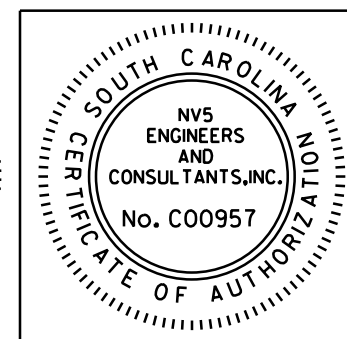
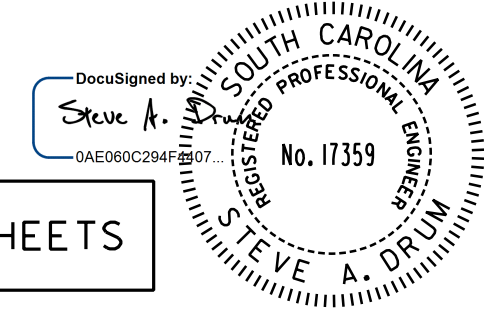


BEGIN CONSTRUCTION
 STA. 203+05.00
 PROJECT ID 0041800

MATCHLINE TO SHEET 7
 -SC 557- STA. 216+50

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEETS

7/27/2023



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 CHARLOTTE, NC 28227
 P: 704.537.7300 www.nvs.com
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4				
3				
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1				
REV. NO.	BY	DATE	DATE	DESCRIPTION OF REVISION
TOPO.		DATE		
DWG.		DATE		SQUAD
R/W		DATE		

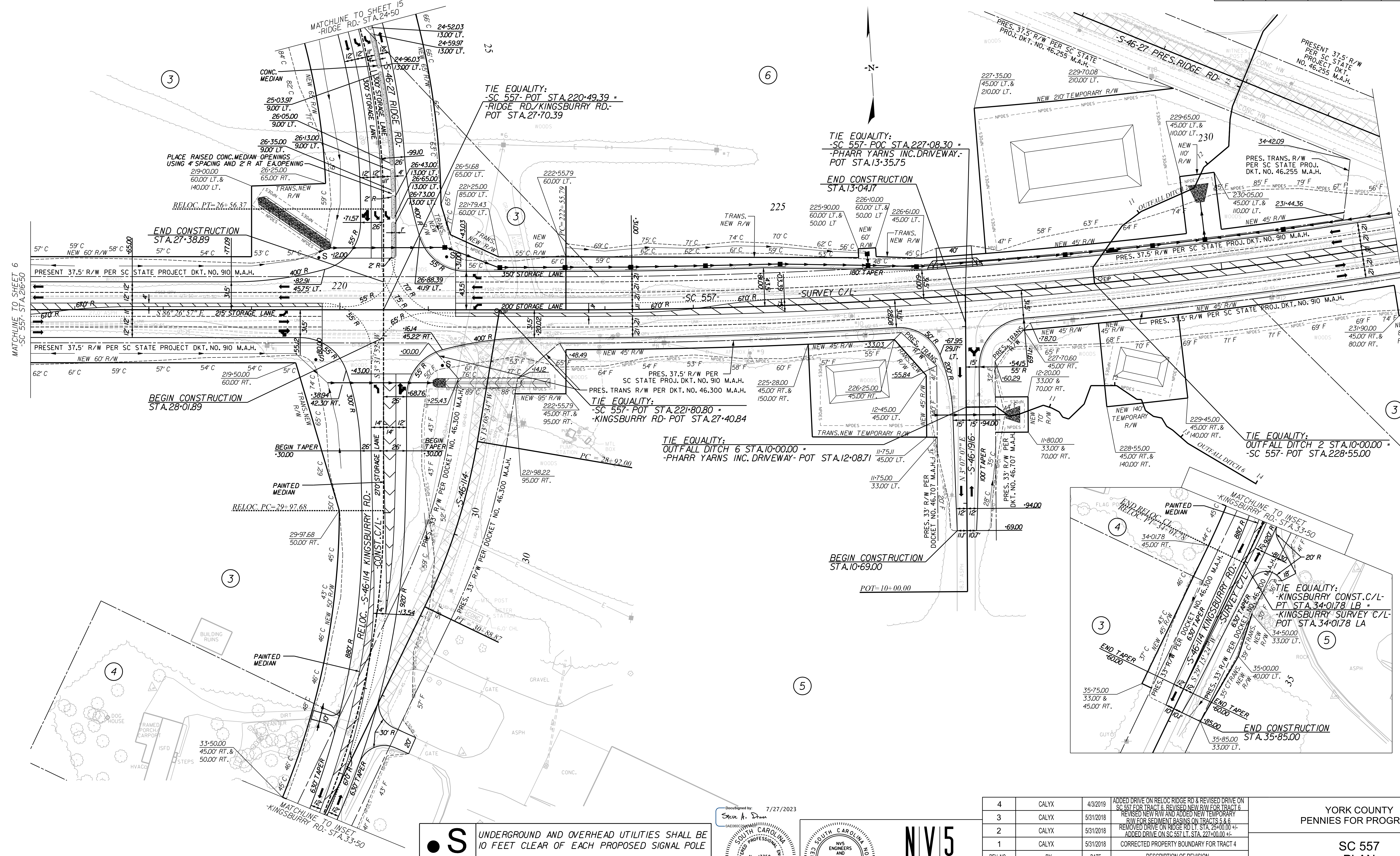
YORK COUNTY
 PENNIES FOR PROGRESS

**SC 557
 PLAN**
 STA. 203+05 TO STA. 216+50

SCALE 1"= 50' RTE. SC 557 DWG. NO.

7/27/2023
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FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-008	557	7	

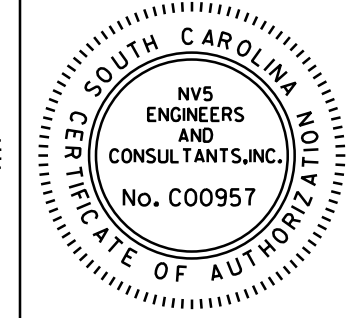
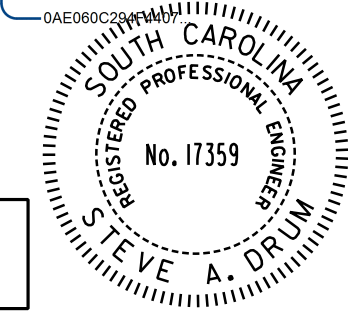


S UNDERGROUND AND OVERHEAD UTILITIES SHALL BE 10 FEET CLEAR OF EACH PROPOSED SIGNAL POLE

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEETS

REMOVAL OF EXISTING PAVEMENT

Drawn by: 7/27/2023
Steve A. Drumm



NV5
NV5 ENGINEERS & CONSULTANTS, INC.
7500 E. INDEPENDENCE BLVD, STE 100
CHARLOTTE, NC 28227
P: 704.537.7300 www.NV5.com
NC License # P-1333

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4	CALYX	4/3/2019	ADDED DRIVE ON RELOC RIDGE RD & REVISED DRIVE ON SC 557 FOR TRACT 6, REVISED NEW R/W FOR TRACT 6
3	CALYX	5/31/2018	REVISED NEW R/W AND ADDED NEW TEMPORARY R/W FOR SEDIMENT BASINS ON TRACTS 5 & 6
2	CALYX	5/31/2018	REMOVED DRIVE ON RIDGE RD LT. STA. 25+00.00 +/- ADDED DRIVE ON SC 557 LT. STA. 227+00.00 +/-
1	CALYX	5/31/2018	CORRECTED PROPERTY BOUNDARY FOR TRACT 4

YORK COUNTY
PENNYS FOR PROGRESS

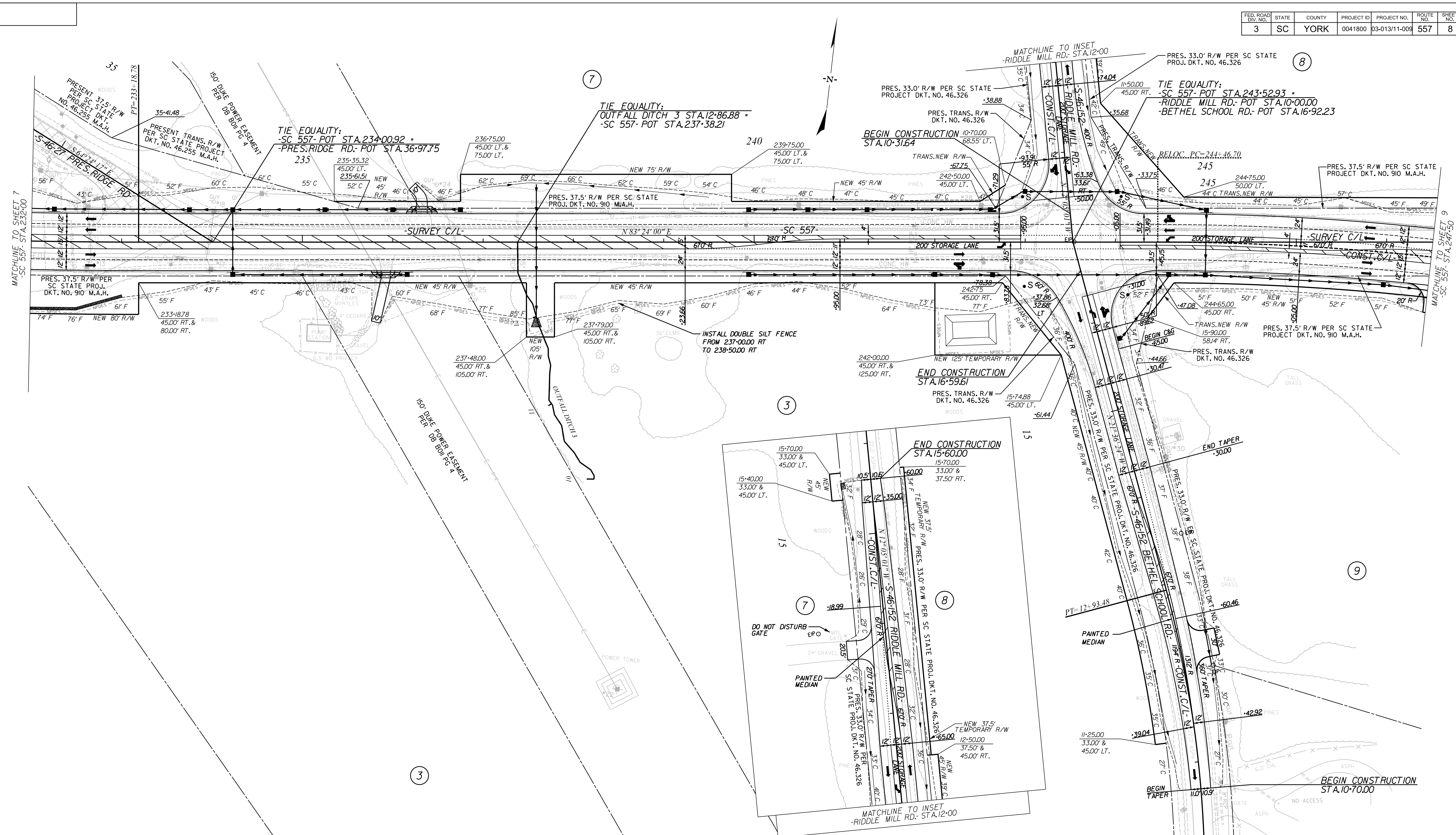
**SC 557
PLAN**

STA. 216+50 TO STA. 232+00

SCALE 1"= 50' RTE. SC 557 DWG. NO.

7/27/2023
default
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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT NO.	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-008	557	8	



S UNDERGROUND AND OVERHEAD UTILITIES SHALL BE 10 FEET CLEAR OF EACH PROPOSED SIGNAL POLE

NOTE: RELOCATE CENTERLINE BETWEEN STA. 244+46.70 AND STA. 320+61.70

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEETS

REMOVAL OF EXISTING PAVEMENT

Designed by: Steve A. Drum 7/27/2023
 REGISTERED PROFESSIONAL ENGINEER
 No. 17359
 STEVE A. DRUM

NVS
 NVS ENGINEERS & CONSULTANTS, INC.
 No. C00957
 STATE OF NORTH CAROLINA

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 CHARLOTTE, NC 28227
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 NC License # P-1333

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4	CALYX	6/21/2019	ADDED DRIVEWAY FOR TRACT 9 RT OF BETHEL SCHOOL RD STA 12+25
3	CALYX	10/9/2018	CHANGED NEW R/W TO TEMPORARY R/W ON TRACT 8 RT OF RIDDLE MILL RD STA 12+50 TO 15+70
2	CALYX	8/17/2018	REVISED NEW R/W ON TRACT 8 RIGHT OF RIDDLE MILL RD & LEFT OF SC 557
1	CALYX	5/31/2018	REVISED NEW R/W AND ADDED NEW TEMPORARY R/W FOR SEDIMENT BASIN ON TRACT 3

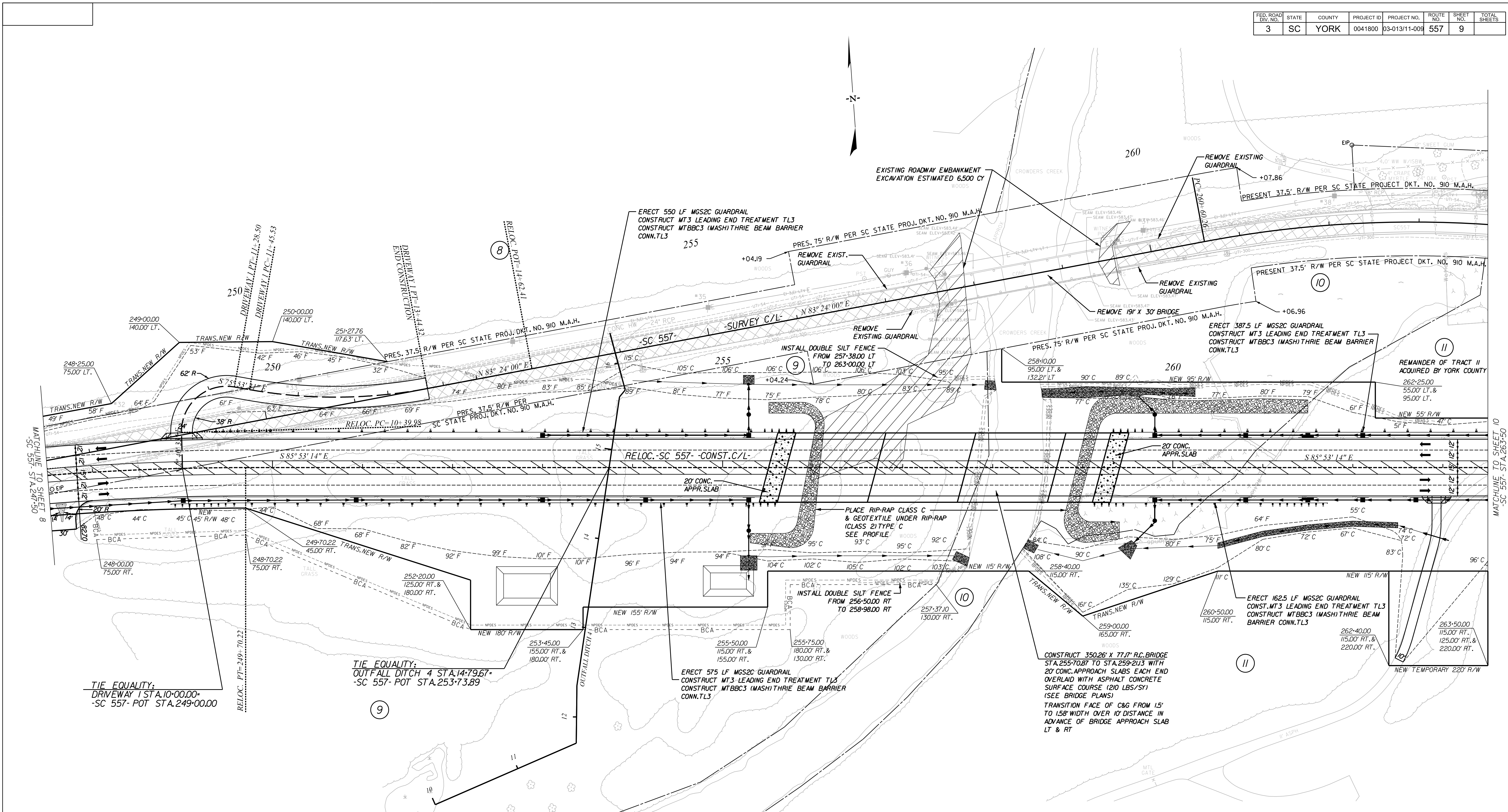
YORK COUNTY
 PENNIES FOR PROGRESS

SC 557
 PLAN
 STA. 232+00 TO STA. 247+50

SCALE 1"=50' RTE. SC 557 DWG. NO.

7/27/2023
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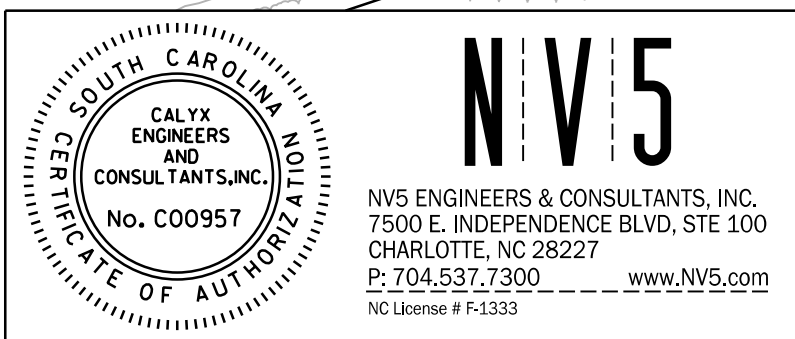
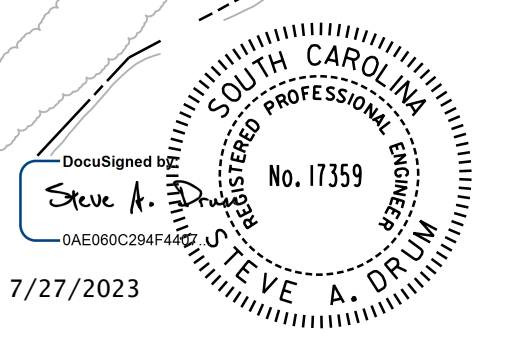
FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-008	557	9	



NOTE: RELOCATE CENTERLINE BETWEEN STA. 244+46.70 AND STA. 320+61.70

REMOVAL OF EXISTING PAVEMENT

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEETS



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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
8	CALYX	10/09/2018	REVISED NEW ROW TRACT 11 STA. 260+50 TO 263+50 LT. RT.
3	CALYX	8/17/2018	REVISED DRIVEWAY STA. 262+49 RT. CONSTR. LIMITS & NPDES
2	CALYX	8/17/2018	REVISED NEW ROW TRACT 8 STA. 247+50 TO 251+27.76 LT.
1	CALYX	5/31/2018	REVISED NEW ROW TRACT 11 STA. 259+00 TO 263+50 RT & 262+25 TO 263+50 LT. REVISED DRIVEWAY TRACT 11
0	BY	DATE	DESCRIPTION OF REVISION
			REMOVED BCA & NPDES TRACT 10
			DESCRIPTION OF REVISION

TOPO.	DATE	SQUAD
DWG.	DATE	
R/W	DATE	

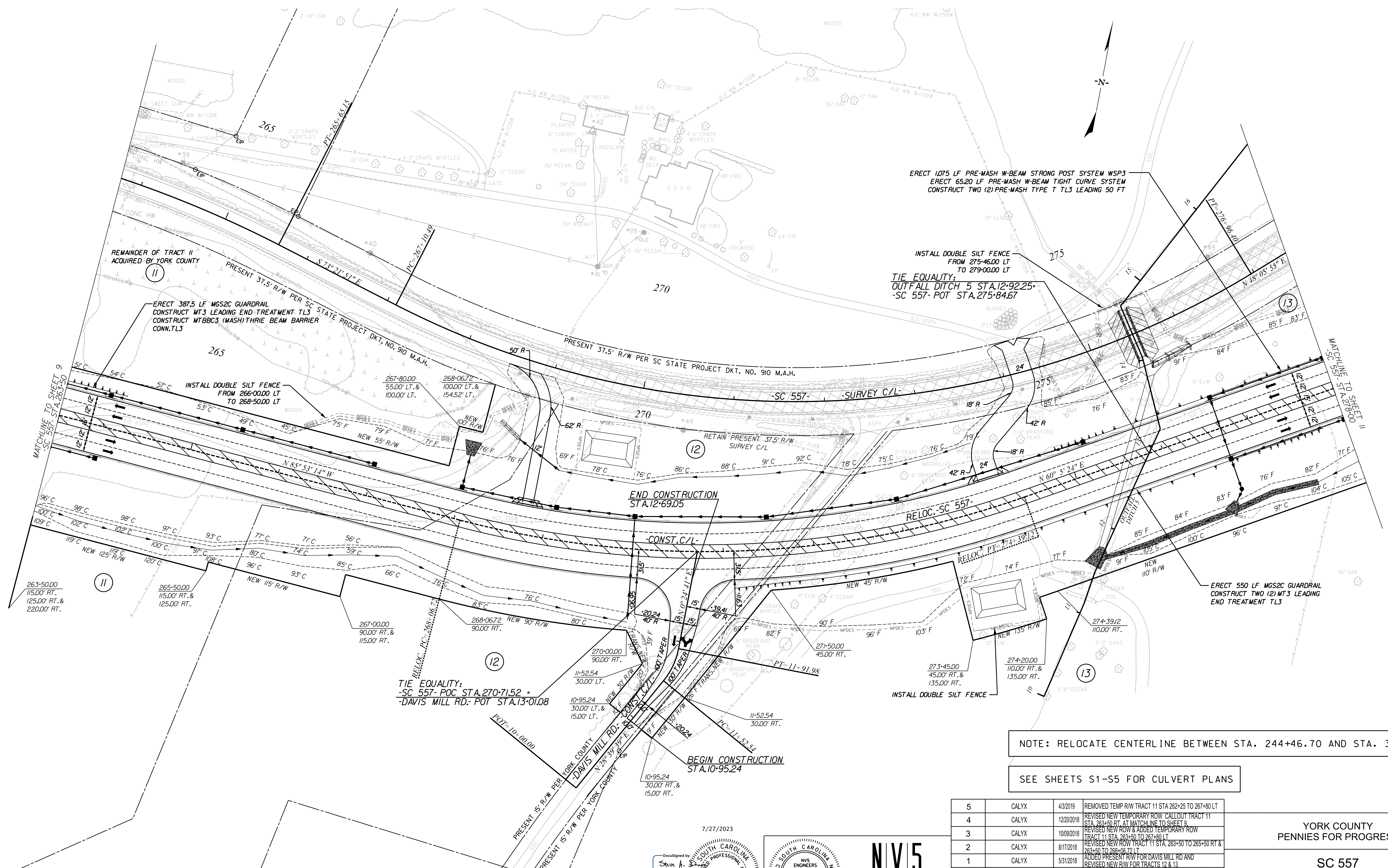
YORK COUNTY
 PENNYS FOR PROGRESS

SC 557
 PLAN
 STA. 247+50 TO STA. 263+50

SCALE 1"=50' RTE. SC 557 DWG. NO.

7/27/2023
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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	10	



NOTE: RELOCATE CENTERLINE BETWEEN STA. 244+46.70 AND STA. 320+61.70

SEE SHEETS S1-S5 FOR CULVERT PLANS

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
5	CALYX	4/3/2019	REMOVED TEMP R/W TRACT 11 STA 262+25 TO 267+80 LT
4	CALYX	12/20/2018	REVISED NEW TEMPORARY ROW CALLOUT TRACT 11 STA. 263+50 RT. AT MATCHLINE TO SHEET 9
3	CALYX	10/09/2018	REVISED NEW ROW & ADDED TEMPORARY ROW TRACT 11 STA. 263+50 TO 267+80 LT
2	CALYX	8/17/2018	REVISED NEW ROW TRACT 11 STA. 263+50 TO 265+50 RT & 263+50 TO 268+06 72 LT
1	CALYX	5/31/2018	ADDED PRESENT R/W FOR DAVIS MILL RD AND REVISED NEW R/W FOR TRACTS 12 & 13

YORK COUNTY
PENNIES FOR PROGRESS

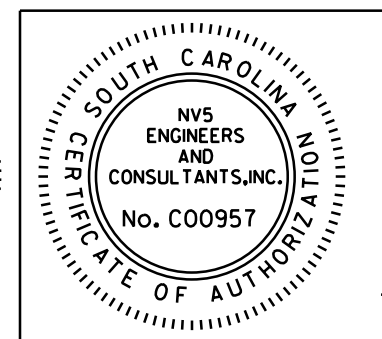
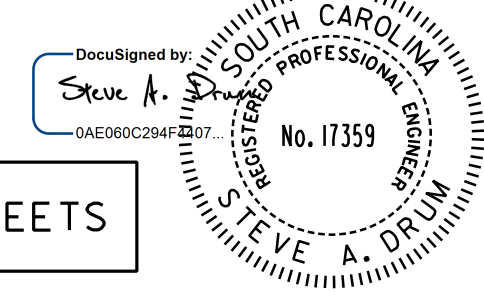
SC 557
PLAN
STA. 263+50 TO STA. 278+00

SCALE 1"= 50' RTE. SC 557 DWG. NO.

REMOVAL OF EXISTING PAVEMENT

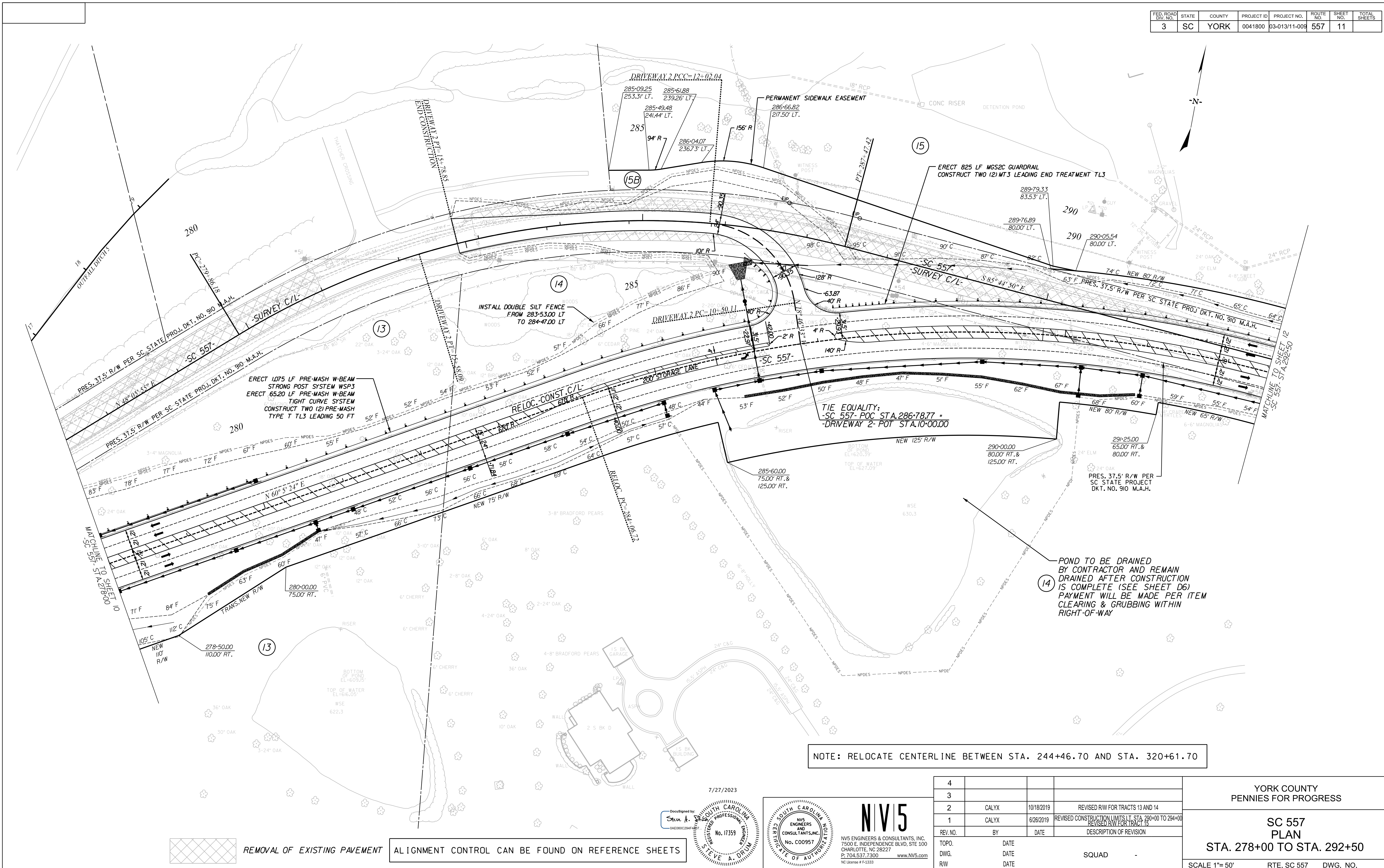
ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEETS

7/27/2023



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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	11	



(14) POND TO BE DRAINED BY CONTRACTOR AND REMAIN DRAINED AFTER CONSTRUCTION IS COMPLETE (SEE SHEET D6) PAYMENT WILL BE MADE PER ITEM CLEARING & GRUBBING WITHIN RIGHT-OF-WAY

NOTE: RELOCATE CENTERLINE BETWEEN STA. 244+46.70 AND STA. 320+61.70

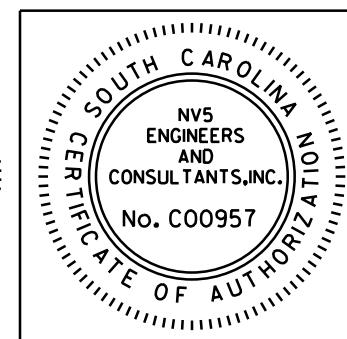
REMOVAL OF EXISTING PAVEMENT

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEETS

7/27/2023
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7/27/2023

DocuSigned by:
Steve A. Drum
0AED60C204F1E1E1



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CHARLOTTE, NC 28227
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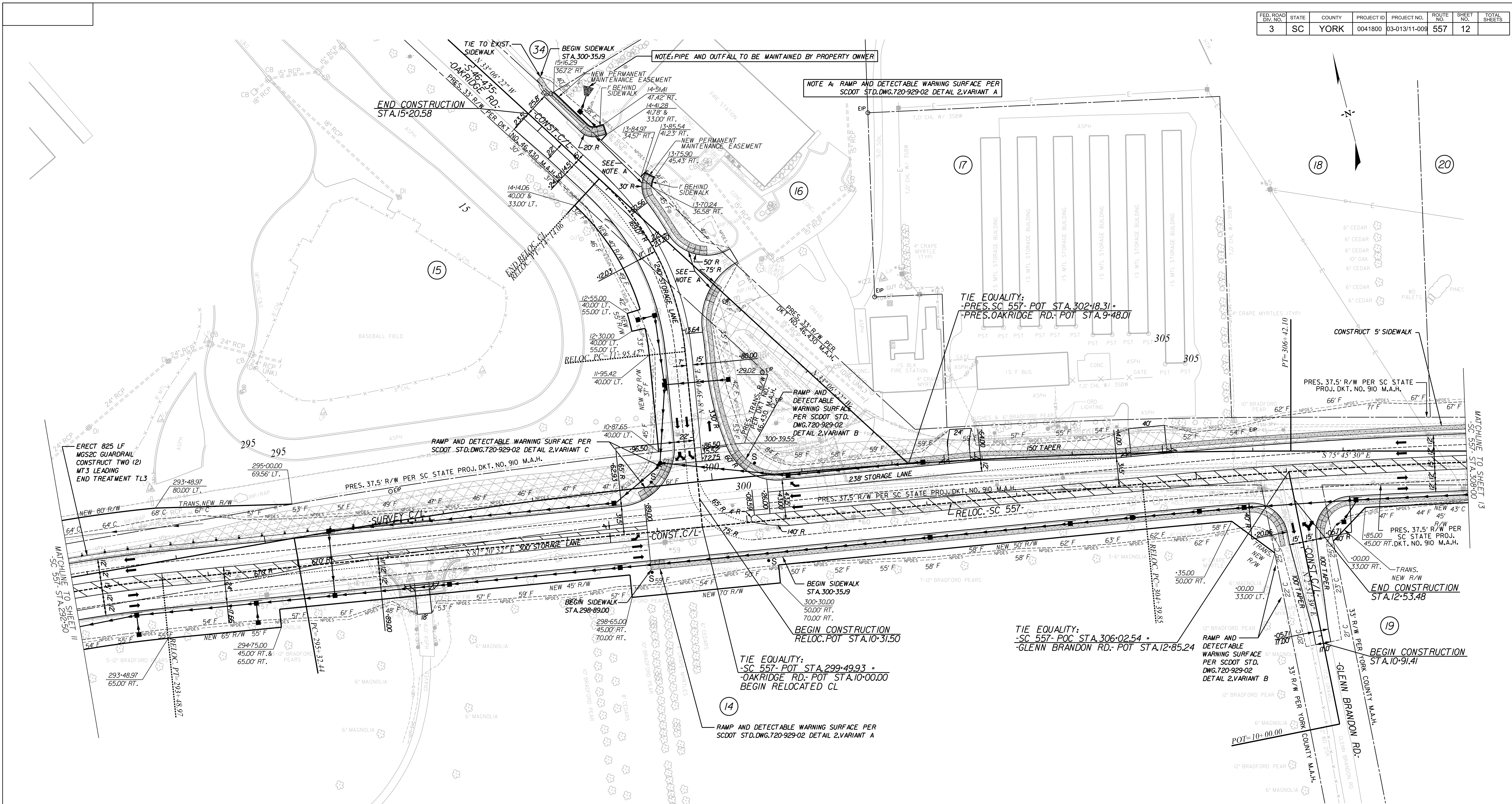
4			
3			
2	CALYX	10/18/2019	REVISED R/W FOR TRACTS 13 AND 14
1	CALYX	6/28/2019	REVISED CONSTRUCTION LIMITS LT STA. 290+00 TO 294+00 REVISED R/W FOR TRACT 15
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.	DATE		
DWG.	DATE		
R/W	DATE		

YORK COUNTY
PENNIES FOR PROGRESS

**SC 557
PLAN**
STA. 278+00 TO STA. 292+50

SCALE 1"= 50' RTE. SC 557 DWG. NO.

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	12	



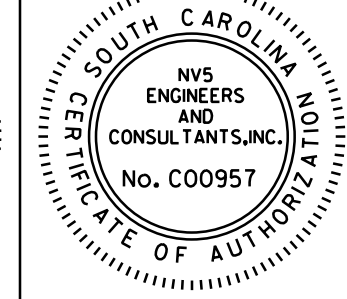
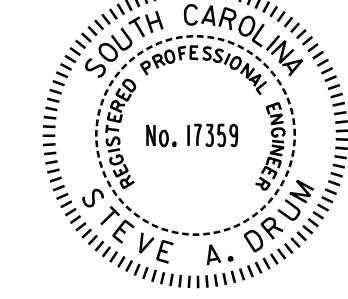
NOTE: RELOCATE CENTERLINE BETWEEN STA. 244+67.0 AND STA. 320+61.70

S UNDERGROUND AND OVERHEAD UTILITIES SHALL BE 10 FEET CLEAR OF EACH PROPOSED SIGNAL POLE

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEETS

REMOVAL OF EXISTING PAVEMENT

DocuSigned by:
Steve A. Drumm
7/27/2023



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CHARLOTTE, NC 28227
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3	CALYX	6/26/2019	REVISED CONSTRUCTION LIMITS LT. STA. 290+00 TO 294+00 REVISED RW FOR TRACT 16
2	CALYX	8/13/2018	REVISED PROP. DRAINAGE & NPDES FOR TRACT 16
1	CALYX	5/31/2018	REVISED CONSTRUCTION LIMITS LT. STA. 305+00 TO 305+50 ADDED DRIVEWAY LT. STA. 302+41 FOR TRACT 17

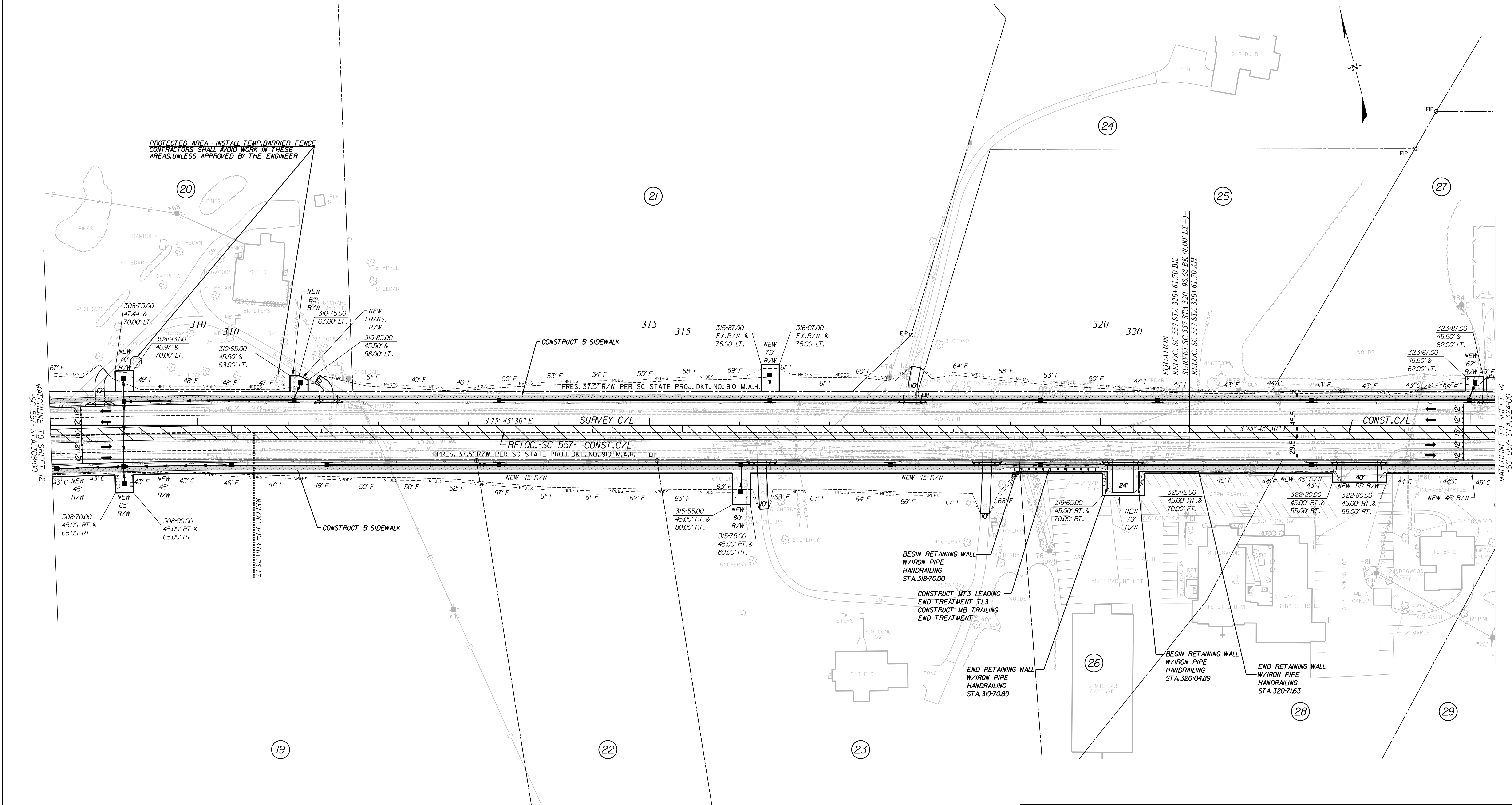
YORK COUNTY
PENNIES FOR PROGRESS

**SC 557
PLAN**
STA. 292+50 TO STA. 308+00

SCALE 1"= 50' RTE. SC 557 DWG. NO.

7/27/2023
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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-008	557	13	



PROTECTED AREA - INSTALL TEMP. BARRIER FENCE
CONTRACTORS SHALL AVOID WORK IN THESE AREAS, UNLESS APPROVED BY THE ENGINEER

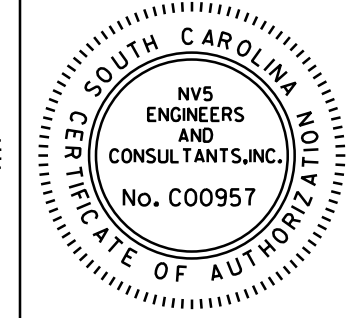
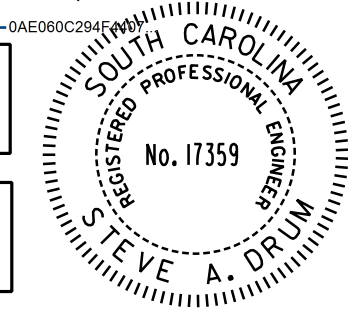
MATCHLINE TO SHEET 12
SC 557 STA. 308+00

MATCHLINE TO SHEET 14
SC 557 STA. 324+00

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEETS

NOTE: RELOCATE CENTERLINE BETWEEN STA. 244+46.70 AND STA. 320+61.70

DocuSigned by:
Steve A. Drum
7/27/2023



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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3	CALYX	10/09/2018	REVISED DRIVE RT. STA. 322+49.35, CONSTR. LIMITS, NPDES, & NEW RW FOR TRACT 28
2	CALYX	5/31/2018	REVISED DRIVE RT. STA. 319+89, CONSTR. LIMITS, NPDES, & NEW RW FOR TRACTS 26 & 28
1	CALYX	5/31/2018	REVISED CONSTR. LIMITS LT. STA. 308+00 TO 310+50, NPDES NEW RW, DRAINAGE DRIVE LT. STA. 311+08 FOR TRACT 20

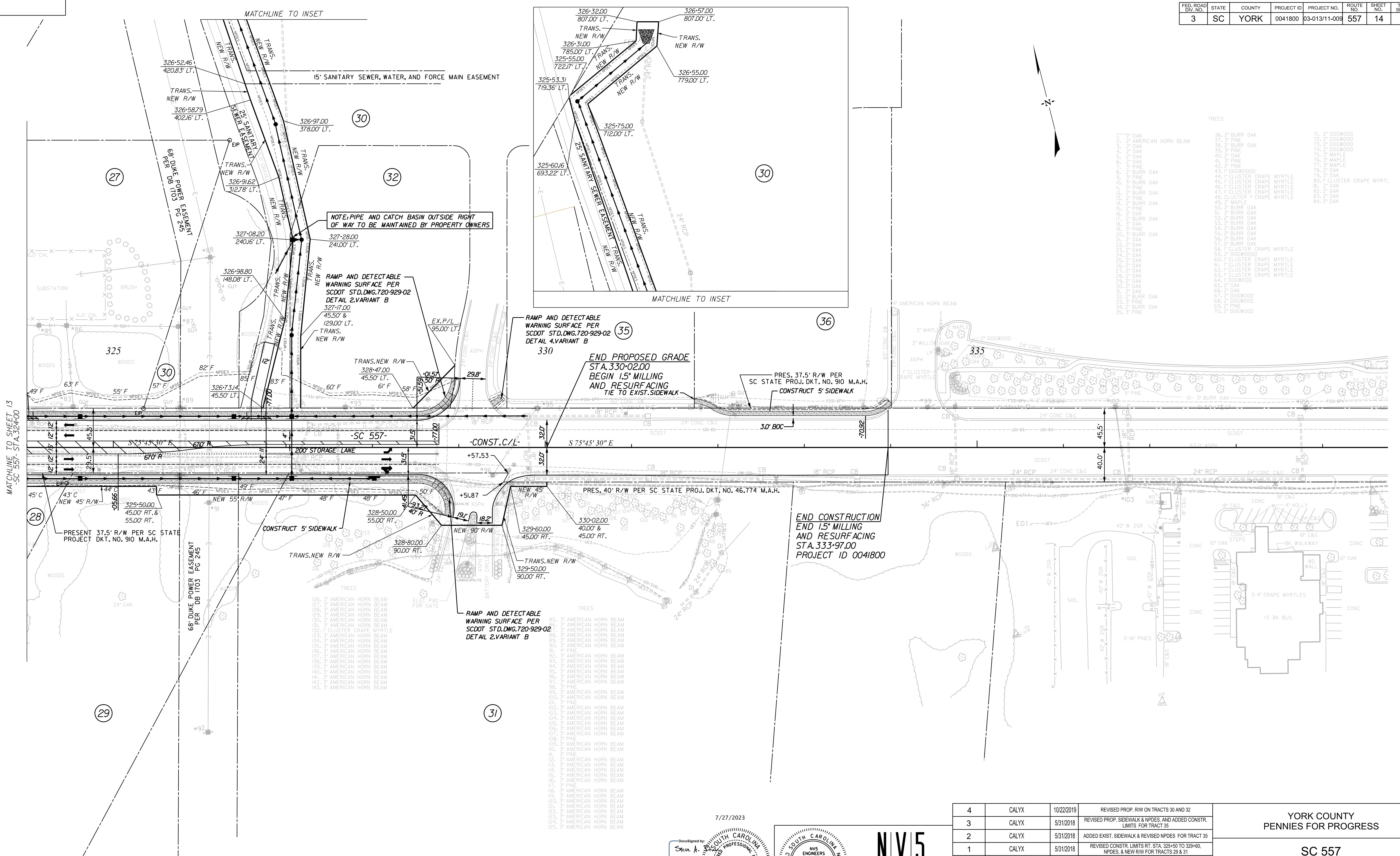
YORK COUNTY
PENNIES FOR PROGRESS

SC 557
PLAN
STA. 308+00 TO STA. 324+00

SCALE 1"=50' RTE. SC 557 DWG. NO.

7/27/2023
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FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-01311-009	557	14	



TREES

1. 2" OAK	36. 2" BURR OAK	71. 2" DOGWOOD
2. 2" OAK	37. 3" PINE	72. 2" DOGWOOD
3. 2" OAK	38. 2" BURR OAK	73. 2" DOGWOOD
4. 2" OAK	39. 3" PINE	74. 2" DOGWOOD
5. 2" OAK	40. 2" OAK	75. 3" MAPLE
6. 2" OAK	41. 3" PINE	76. 3" MAPLE
7. 2" OAK	42. 2" PINE	77. 3" MAPLE
8. 2" OAK	43. 2" BURR OAK	78. 2" OAK
9. 2" OAK	44. 2" BURR OAK	79. 2" OAK
10. 2" OAK	45. 2" BURR OAK	80. 2" OAK
11. 2" OAK	46. 2" BURR OAK	81. 2" OAK
12. 2" OAK	47. 2" BURR OAK	82. 2" OAK
13. 2" OAK	48. 2" BURR OAK	83. 2" OAK
14. 2" OAK	49. 2" BURR OAK	84. 2" OAK
15. 2" OAK	50. 2" BURR OAK	
16. 2" OAK	51. 2" BURR OAK	
17. 2" OAK	52. 2" BURR OAK	
18. 2" OAK	53. 2" BURR OAK	
19. 2" OAK	54. 2" BURR OAK	
20. 2" OAK	55. 2" BURR OAK	
21. 2" OAK	56. 2" BURR OAK	
22. 2" OAK	57. 2" BURR OAK	
23. 2" OAK	58. 2" BURR OAK	
24. 2" OAK	59. 2" BURR OAK	
25. 2" OAK	60. 2" BURR OAK	
26. 2" OAK	61. 2" BURR OAK	
27. 2" OAK	62. 2" BURR OAK	
28. 2" OAK	63. 2" BURR OAK	
29. 2" OAK	64. 2" BURR OAK	
30. 2" OAK	65. 2" BURR OAK	
31. 2" OAK	66. 2" BURR OAK	
32. 2" OAK	67. 2" BURR OAK	
33. 2" OAK	68. 2" BURR OAK	
34. 2" OAK	69. 2" BURR OAK	
35. 2" OAK	70. 2" BURR OAK	

MATCHLINE TO SHEET 13
-SC 557- STA. 324+00

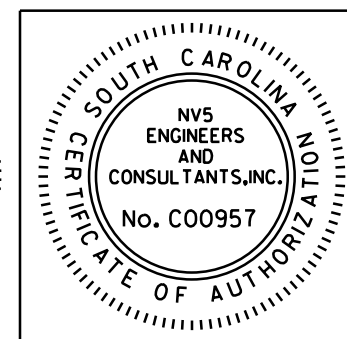
MATCHLINE TO INSET

END CONSTRUCTION
END 15" MILLING
AND RESURFACING
STA. 333+97.00
PROJECT ID 0041800

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEETS

7/27/2023
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7/27/2023
DocuSigned by:
Steve A. Dr...
No. 17359



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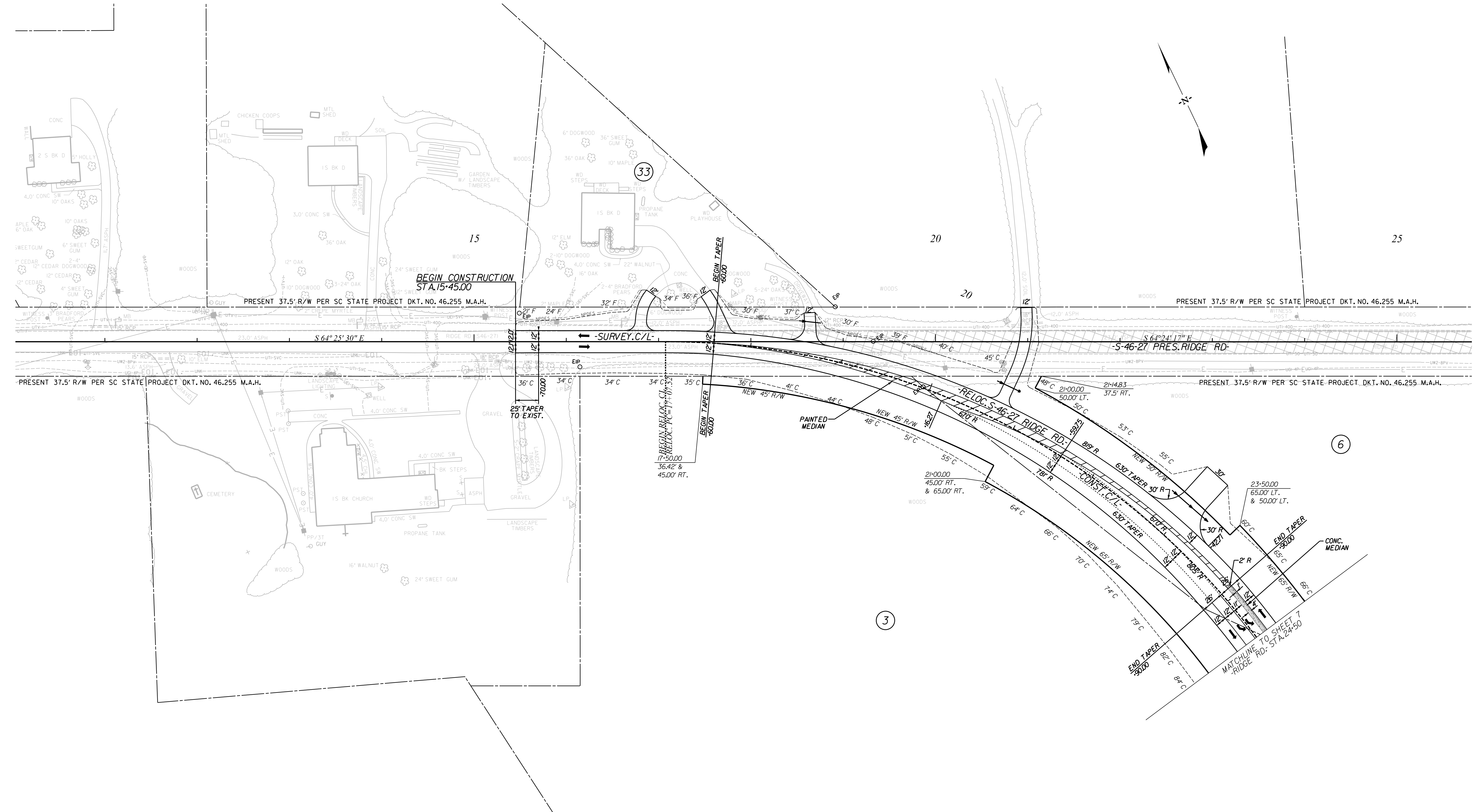
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4	CALYX	10/22/2019	REVISED PROP. R/W ON TRACTS 30 AND 32
3	CALYX	5/31/2018	REVISED PROP. SIDEWALK & NPDES, AND ADDED CONSTR. LIMITS FOR TRACT 35
2	CALYX	5/31/2018	ADDED EXIST. SIDEWALK & REVISED NPDES FOR TRACT 35
1	CALYX	5/31/2018	REVISED CONSTR. LIMITS RT. STA. 325+50 TO 329+60, NPDES & NEW R/W FOR TRACTS 29 & 31

YORK COUNTY
PENNIES FOR PROGRESS

SC 557
PLAN
STA. 324+00 TO STA. 333+97.00

SCALE 1"=50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	15	



7/27/2023
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REMOVAL OF EXISTING PAVEMENT

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEETS

7/27/2023

DocuSigned by:
 Steve A. Drum
 No. 17359
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF NORTH CAROLINA

NORTH CAROLINA
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF NORTH CAROLINA
 No. C00957

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4				
3				
2				
1				
REV. NO.	BY	DATE	DATE	DESCRIPTION OF REVISION
TOPO.		DATE		
DWG.		DATE		
R/W		DATE		
				SQUAD

YORK COUNTY
 PENNIES FOR PROGRESS
**RIDGE RD.
 PLAN**
 STA. 15+45 TO STA. 24+50
 SCALE 1"= 50' RTE. SC 557 DWG. NO.

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	16	

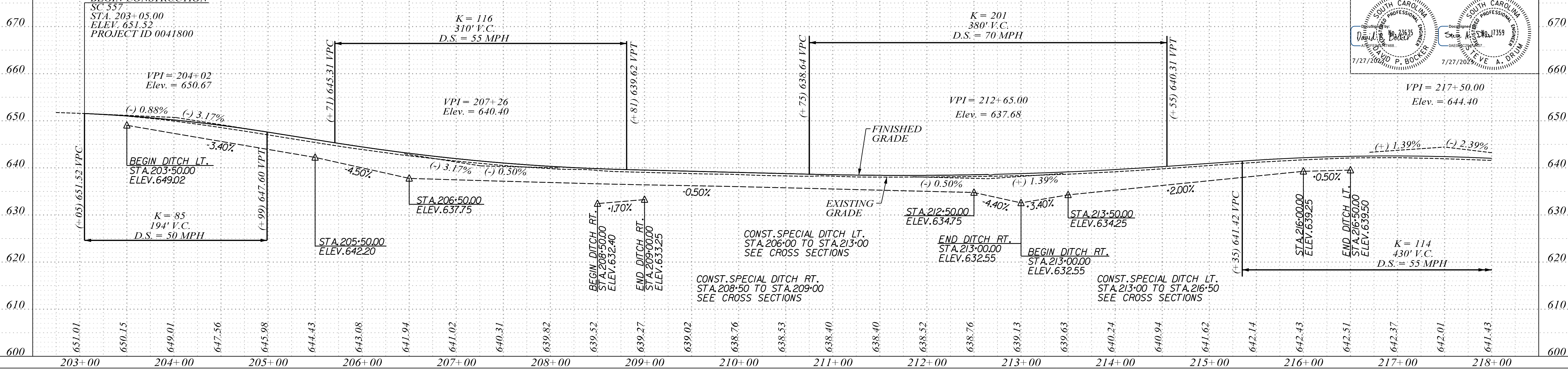
NIV5
 NV5 ENGINEERS & CONSULTANTS, INC.
 7500 E. INDEPENDENCE BLVD., STE. 100
 CHARLOTTE, NC 28227
 P: 704.537.7300 www.NV5.com
 NC License # F-1333

Professional Engineer
 State of North Carolina
 No. 000957
 7/27/2023

Professional Engineer
 State of North Carolina
 No. 17359
 7/27/2023

-SC 557-

UNCL. EXC. = 533 CY
 BOR. EXC. = 0 CY
 EXC. = 533 CY EMB. = 410 CY
 30% = 123 CY
 TOTAL = 533 CY TOTAL = 533 CY



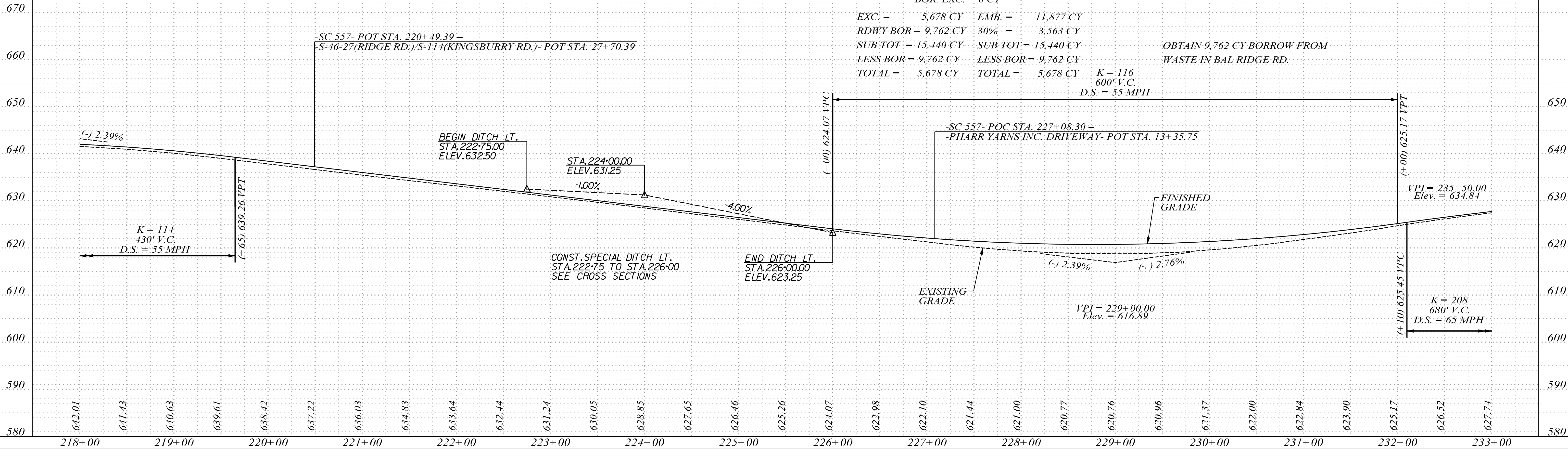
DATE	BY	PROFILE SURVEYED	NOTED	GRADES CHECKED	BLANKS INFO.	REVISIONS CHECKED

PROJECT: SC 557
 STA. 203+00.00
 ELEV. 651.52
 PROJECT ID 0041800

-SC 557-

UNCL. EXC. = 5,678 CY
 BOR. EXC. = 0 CY
 EXC. = 5,678 CY EMB. = 11,877 CY
 RDWY BOR = 9,762 CY 30% = 3,563 CY
 SUB TOT = 15,440 CY SUB TOT = 15,440 CY
 LESS BOR = 9,762 CY LESS BOR = 9,762 CY
 TOTAL = 5,678 CY TOTAL = 5,678 CY

OBTAIN 9,762 CY BORROW FROM
 WASTE IN BAL RIDGE RD.



DATE	BY	PROFILE SURVEYED	NOTED	GRADES CHECKED	BLANKS INFO.	REVISIONS CHECKED
7/27/2023						

PROJECT: SC 557
 STA. 203+00.00
 ELEV. 651.52
 PROJECT ID 0041800

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	18	

DAVID P. BOKER
No. 23635
7/27/2029

WILLIE A. DEMUNN
No. 17359
7/27/2029

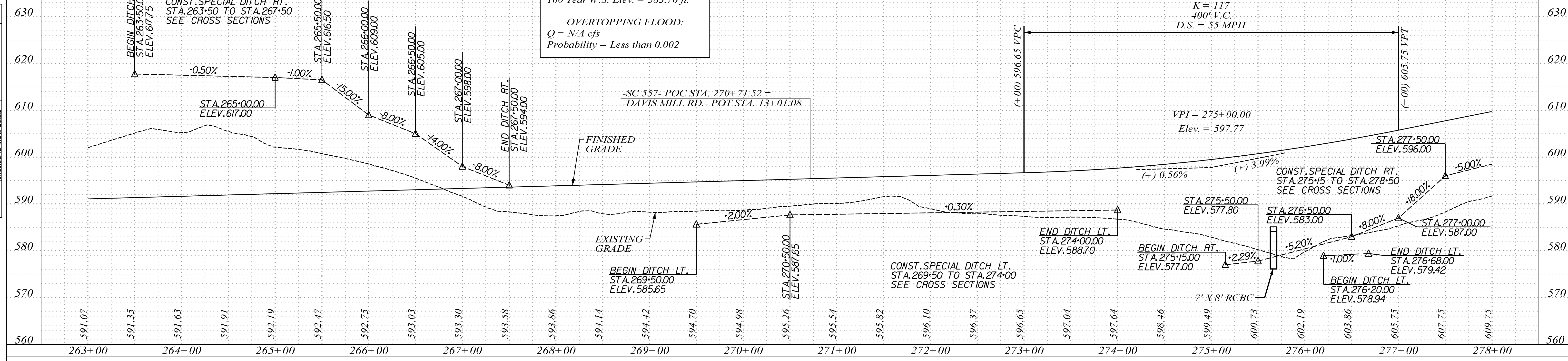
NIV5
NIV5 ENGINEERS & CONSULTANTS, INC.
7500 E. INDEPENDENCE BLVD., STE 100
CHARLOTTE, NC 28227
P: 704.537.7300
www.NIV5.com
NC License # F-1333

HYDROLOGY DATA:
 D.A. = 0.26 sq.mi. = 165 ac.
 Q50 = 470 cfs
 Vel. = 10.5 ft/sec
 50 Year W.S. Elev. = 583.01 ft.
 Q100 = 499 cfs
 Vel. = 11.0 ft/sec
 100 Year W.S. Elev. = 583.70 ft.

OVERTOPPING FLOOD:
 Q = N/A cfs
 Probability = Less than 0.002

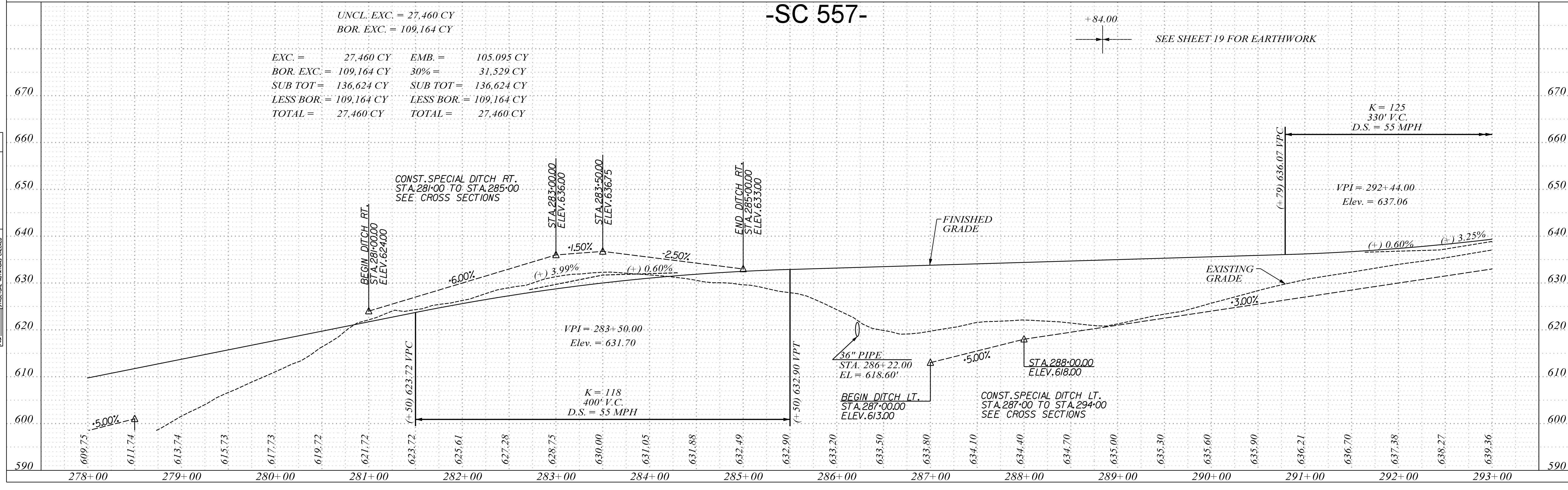
-SC 557-

DATE	
BY	
PROFILE SURVEYED	
PLOTTED	
NOTE BOOK GRADES CHECKED	
NO. OF REVISIONS	
DATE	
BY	
REVISIONS	



-SC 557-

DATE	7/27/2023
BY	
PROFILE SURVEYED	
PLOTTED	
NOTE BOOK GRADES CHECKED	
NO. OF REVISIONS	
DATE	
BY	
REVISIONS	



FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	19	

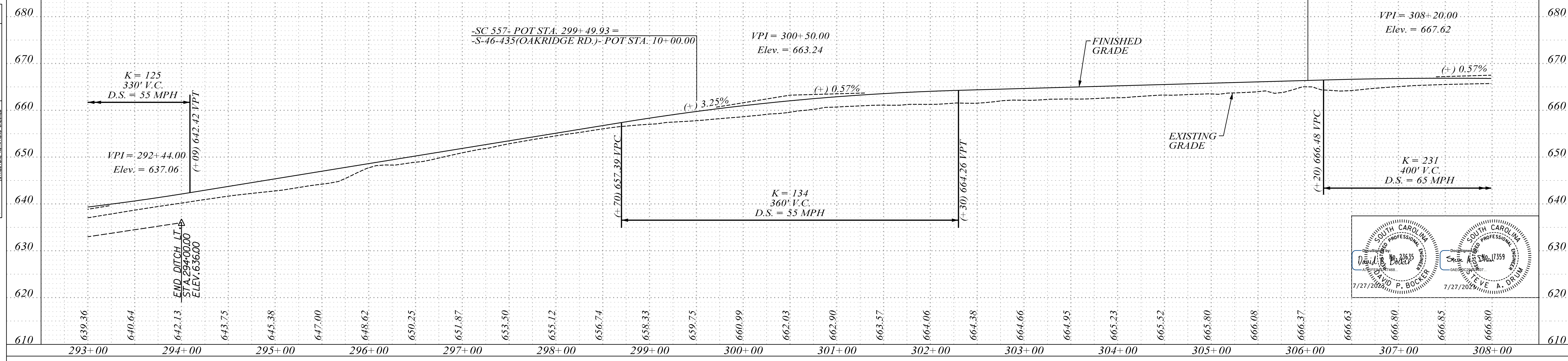
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-SC 557-

UNCL EXC = 692 CY
BOR EXC = 24,394 CY

EXC = 692 CY	EMB = 19,297 CY
BOR EXC = 24,394 CY	30% = 5,789 CY
SUB-TOT = 25,086 CY	SUB-TOT = 25,086 CY
LESS BOR = 24,394 CY	LESS BOR = 24,394 CY
TOTAL = 692 CY	TOTAL = 692 CY



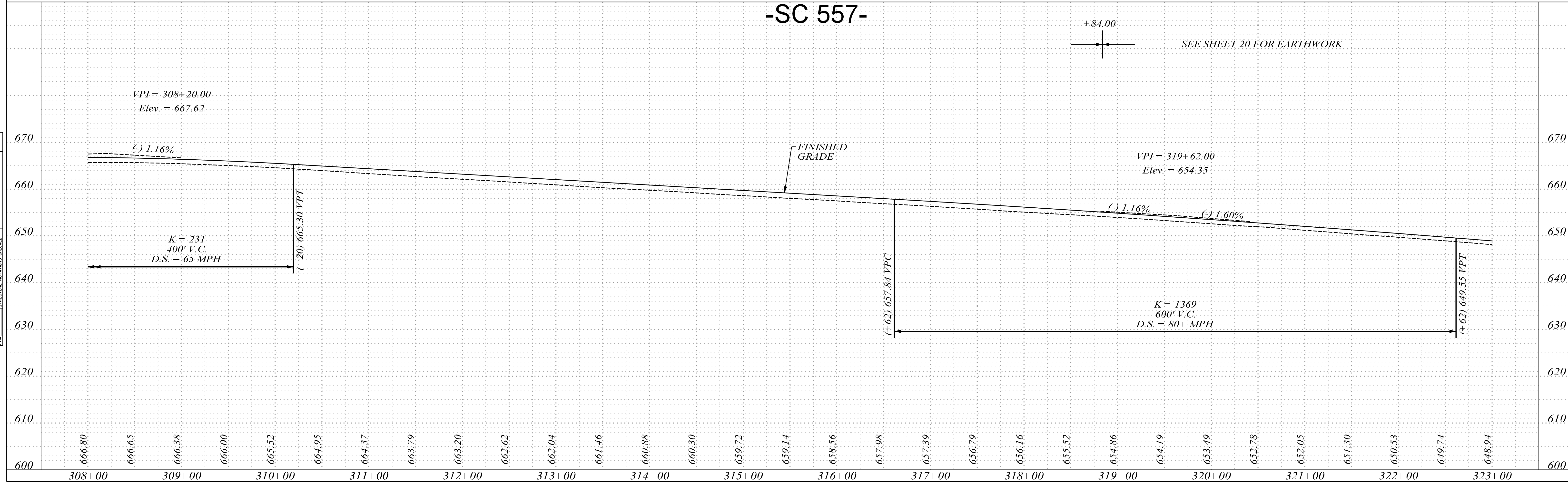
DATE	BY
PROFILE SUPERVISED	
PLOTTED	
NOTE BOOK	
GRADES CHECKED	
DATE	
NO.	

PROJECT: 0041800
SHEET: 557
DATE: 7/27/2023
BY: [Signature]

David P. Booker
Professional Engineer
No. 24535
7/27/2023

Steve A. Drum
Professional Engineer
No. 17359
7/27/2023

-SC 557-



DATE	BY
7/27/2023	
PROFILE SUPERVISED	
PLOTTED	
NOTE BOOK	
GRADES CHECKED	
DATE	
NO.	

PROJECT: 0041800
SHEET: 557
DATE: 7/27/2023
BY: [Signature]

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	20	

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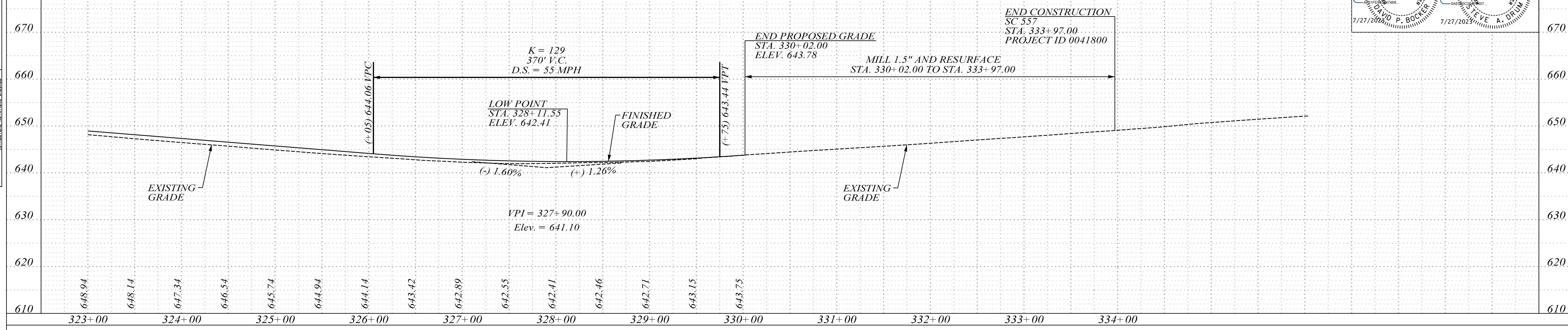
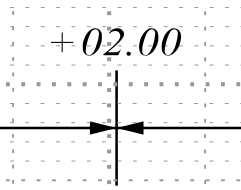
7/27/2023
 7/27/2023

DATE	BY	PROFILE	REVISION

UNCL. EXC. = 588 CY
 BOR. EXC. = 2,005 CY

EXC. = 588 CY EMB. = 1,995 CY
 BOR. EXC. = 2,005 CY 30% = 598 CY
 SUB TOT = 2,593 CY SUB TOT = 2,593 CY
 LESS BOR. = 2,005 CY LESS BOR. = 2,005 CY
 TOTAL = 588 CY TOTAL = 588 CY

-SC 557-

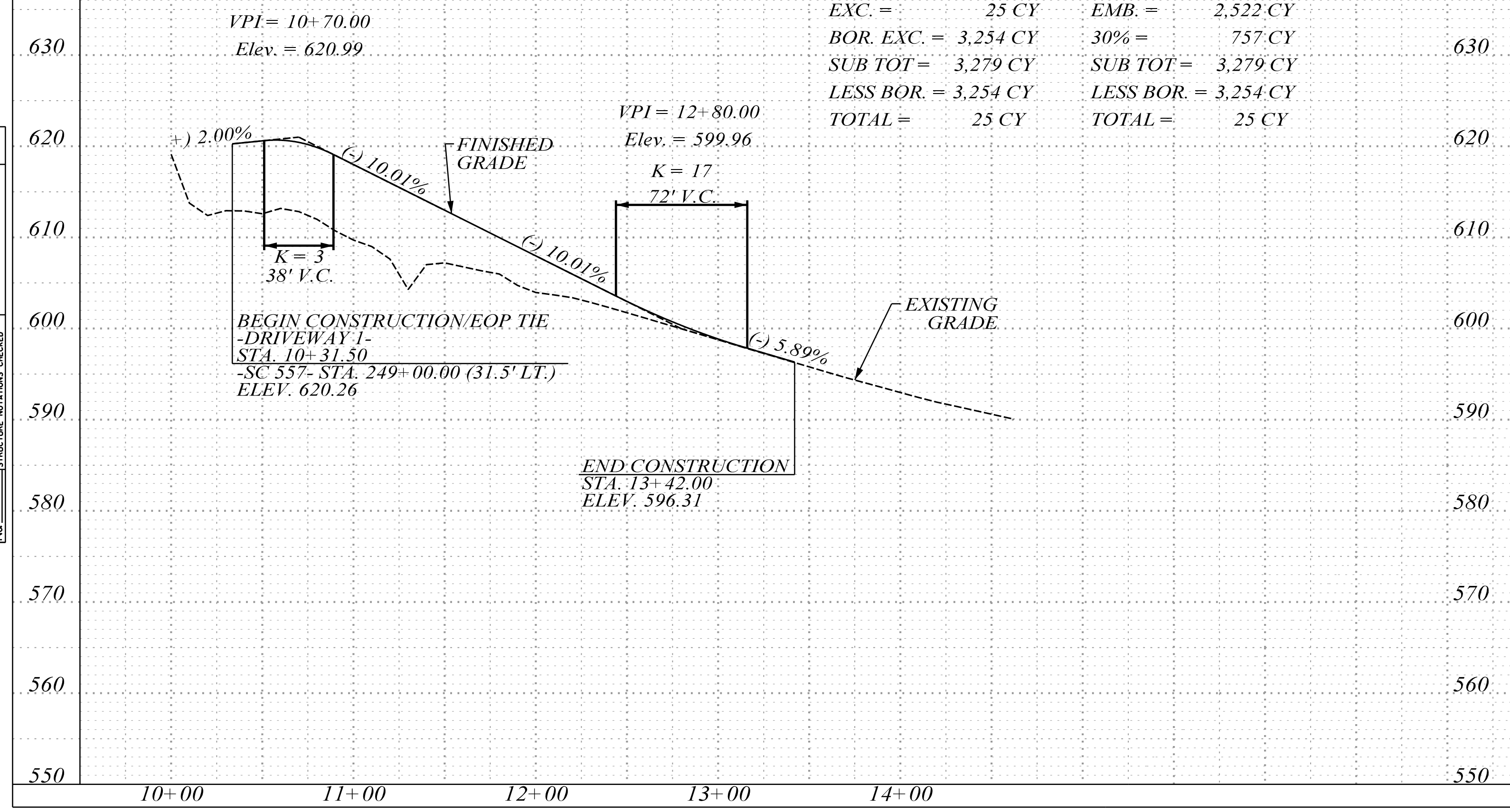


DATE	BY	PROFILE	REVISION
7/27/2023			

-DW 1-

UNCL. EXC. = 25 CY
 BOR. EXC. = 3,254 CY

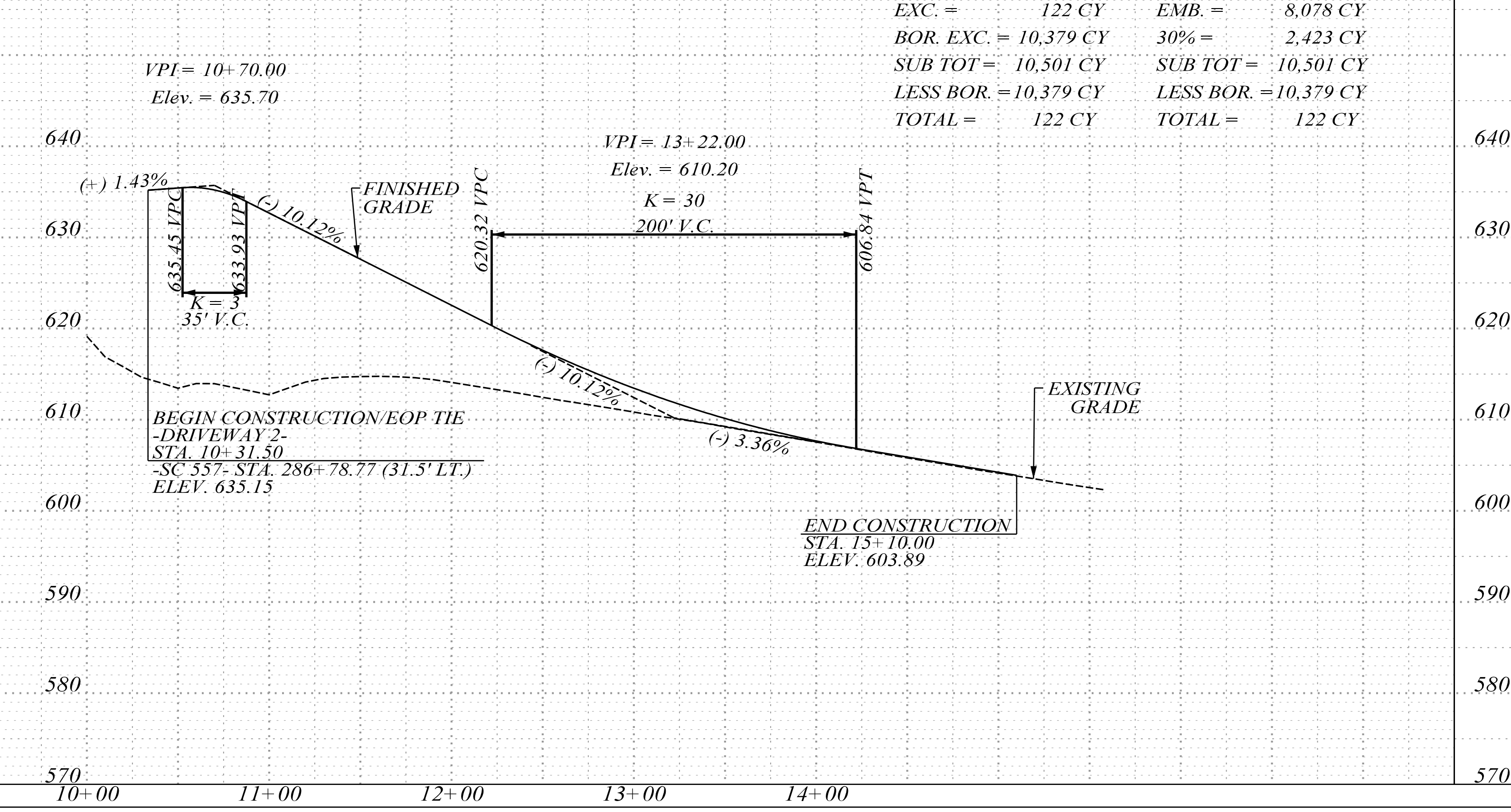
EXC. = 25 CY EMB. = 2,522 CY
 BOR. EXC. = 3,254 CY 30% = 757 CY
 SUB TOT = 3,279 CY SUB TOT = 3,279 CY
 LESS BOR. = 3,254 CY LESS BOR. = 3,254 CY
 TOTAL = 25 CY TOTAL = 25 CY



-DW 2-

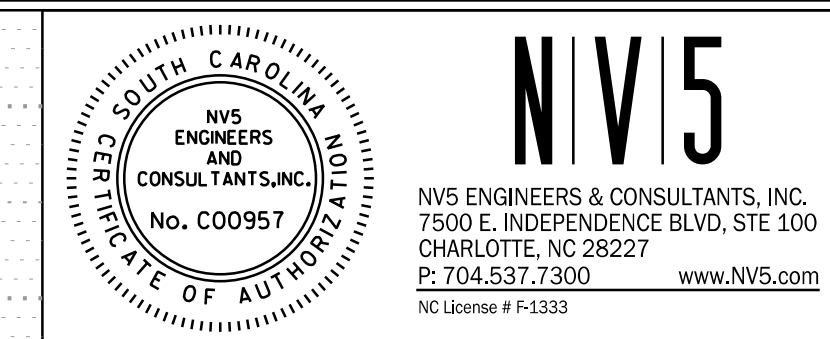
UNCL. EXC. = 122 CY
 BOR. EXC. = 10,379 CY

EXC. = 122 CY EMB. = 8,078 CY
 BOR. EXC. = 10,379 CY 30% = 2,423 CY
 SUB TOT = 10,501 CY SUB TOT = 10,501 CY
 LESS BOR. = 10,379 CY LESS BOR. = 10,379 CY
 TOTAL = 122 CY TOTAL = 122 CY



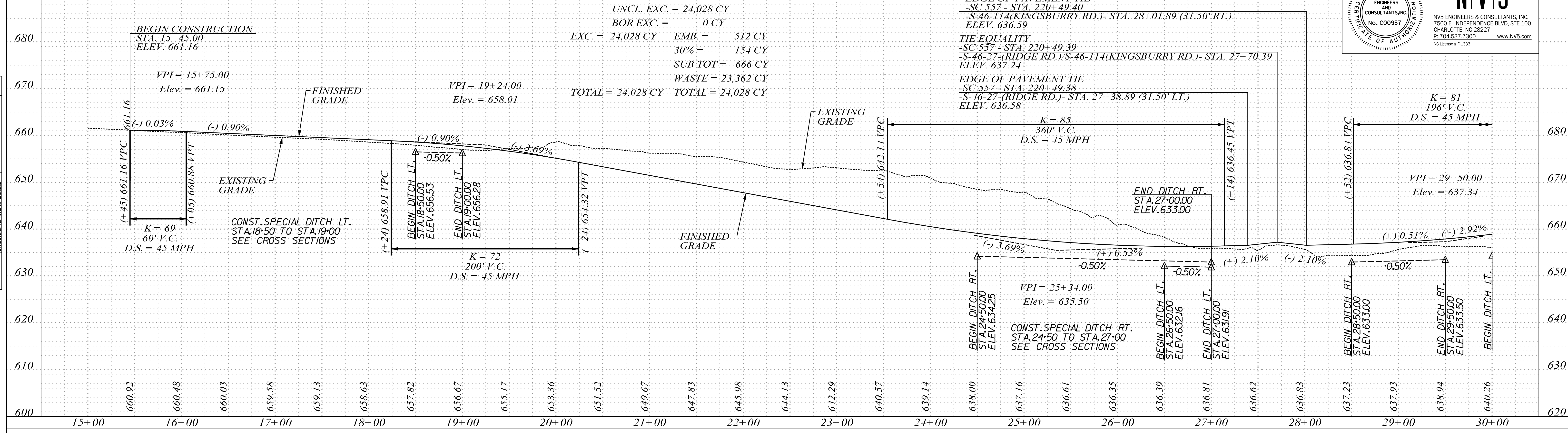
FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	21	

-S-46-27 (RIDGE ROAD) / S-46-114 (KINGSBURY ROAD)-

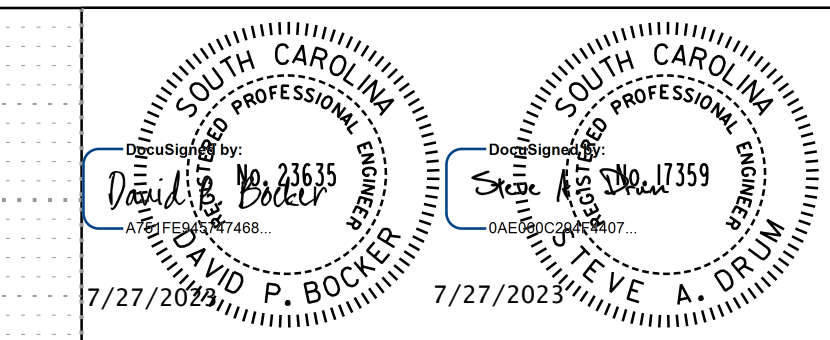


DATE	BY	REVISION

PROFILE	SURVEYED	7/27/2023
NOTE BOOK	GRADES CHECKED	default
No.	DATE	BY

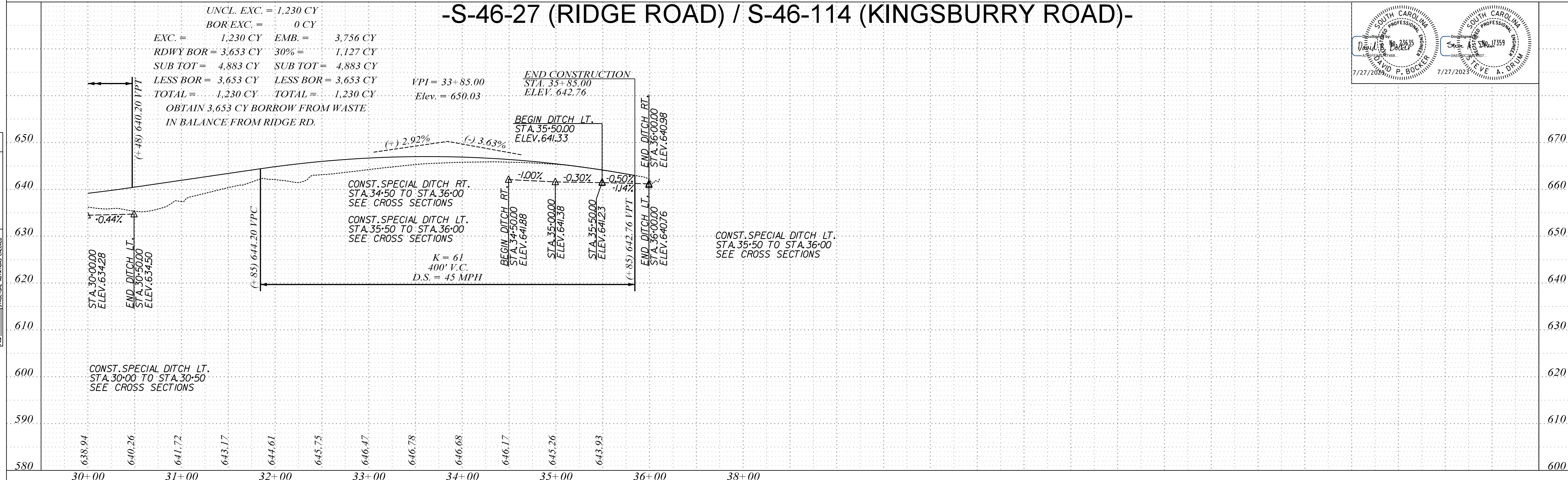


-S-46-27 (RIDGE ROAD) / S-46-114 (KINGSBURY ROAD)-

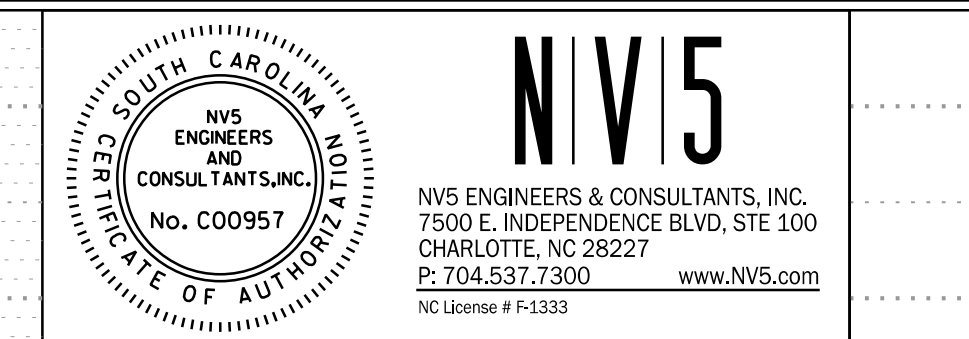


DATE	BY	REVISION

PROFILE	SURVEYED	7/27/2023
NOTE BOOK	GRADES CHECKED	default
No.	DATE	BY



FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	22	



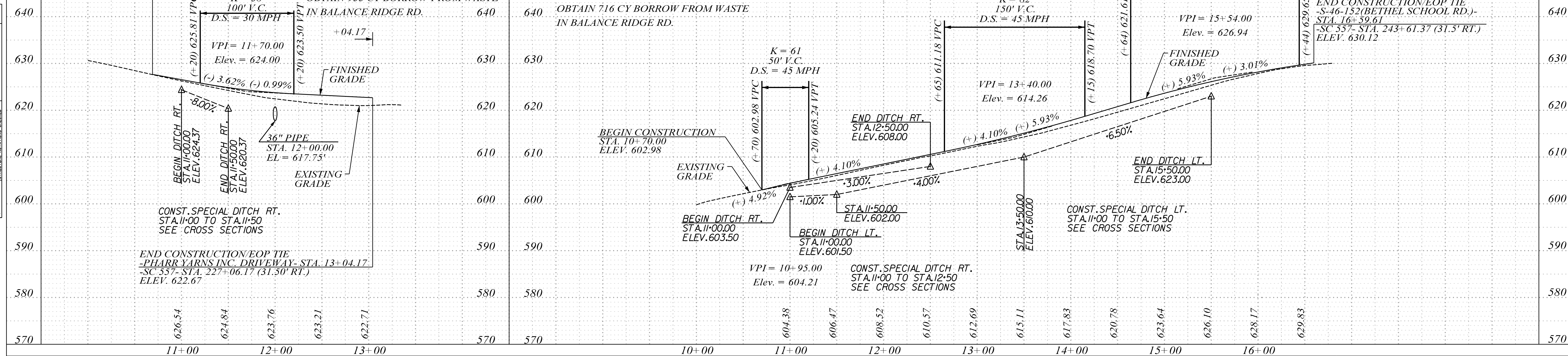
S-1916 (PHARR YARNS INC. DRIVE)

EXC. = 16 CY EMB. = 730 CY
 RDWY EXC = 933 CY 30% = 219 CY
 SUB TOT = 949 CY SUB TOT = 949 CY
 LESS BOR. = 933 CY LESS BOR. = 933 CY
 TOTAL = 16 CY TOTAL = 16 CY

EXC. = 276 CY EMB. = 763 CY
 RDWY BOR = 716 CY 30% = 229 CY
 SUB TOT = 992 CY SUB TOT = 992 CY
 LESS BOR. = 716 CY LESS BOR. = 716 CY
 TOTAL = 276 CY TOTAL = 276 CY

-S-46-152 (BETHEL SCHOOL RD.)-

K = 62
 180' V.C.
 D.S. = 45 MPH

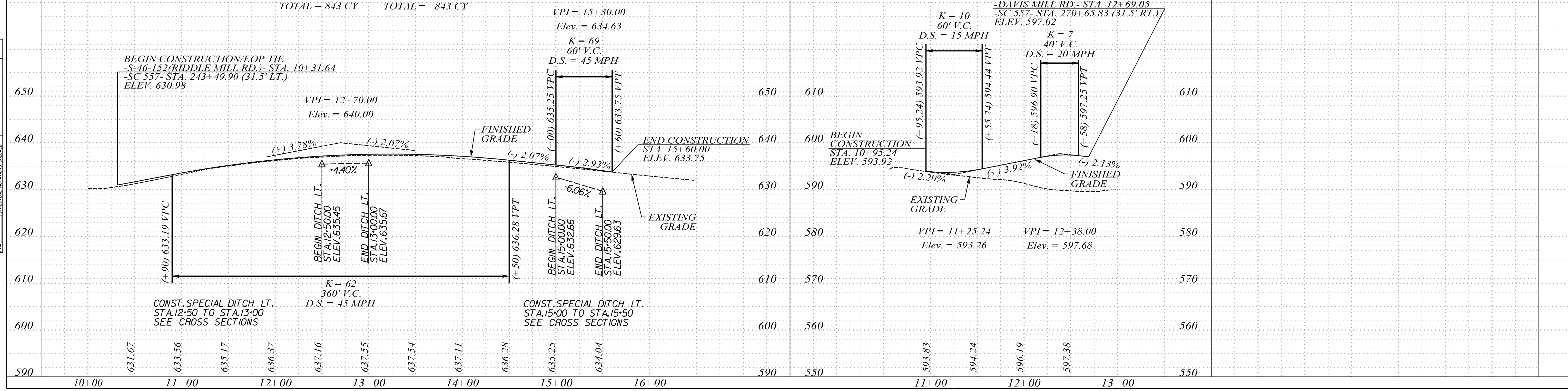
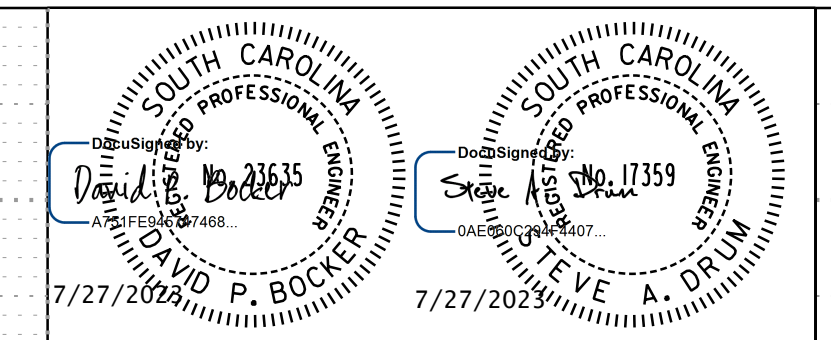


-S-46-152 (RIDDLE MILL RD.)-

EXC. = 843 CY EMB. = 188 CY
 30% = 56 CY
 SUB TOT = 244 CY
 WASTE = 599 CY
 TOTAL = 843 CY TOTAL = 843 CY

-DAVIS MILL RD.-

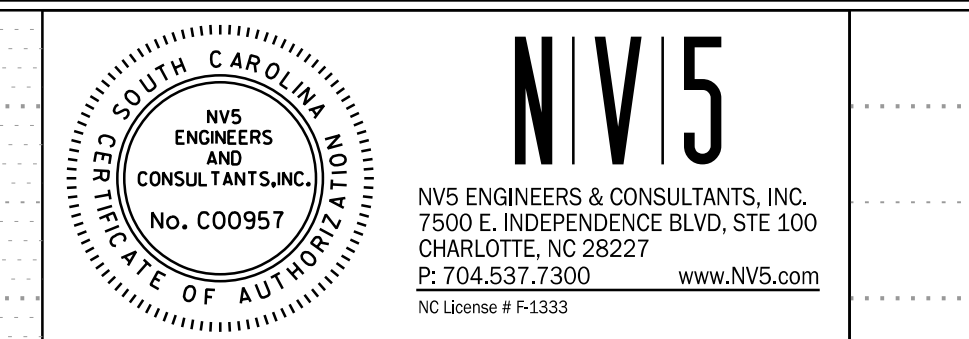
EXC. = 3 CY EMB. = 1,623 CY UNCL. EXC. = 3 CY
 BOR. EXC = 2,107 CY 30% = 487 CY BOR. EXC = 2,107 CY
 SUB TOT = 2,110 CY SUB TOT = 2,110 CY
 LESS BOR. = 2,107 CY LESS BOR. = 2,107 CY
 TOTAL = 3 CY TOTAL = 3 CY



DATE	BY	PROFILE	REVISIONS

DATE	BY	PROFILE	REVISIONS
7/27/2023			

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	23	



-S-46-435 (OAKRIDGE RD.)-

-GLENN BRANDON RD.-

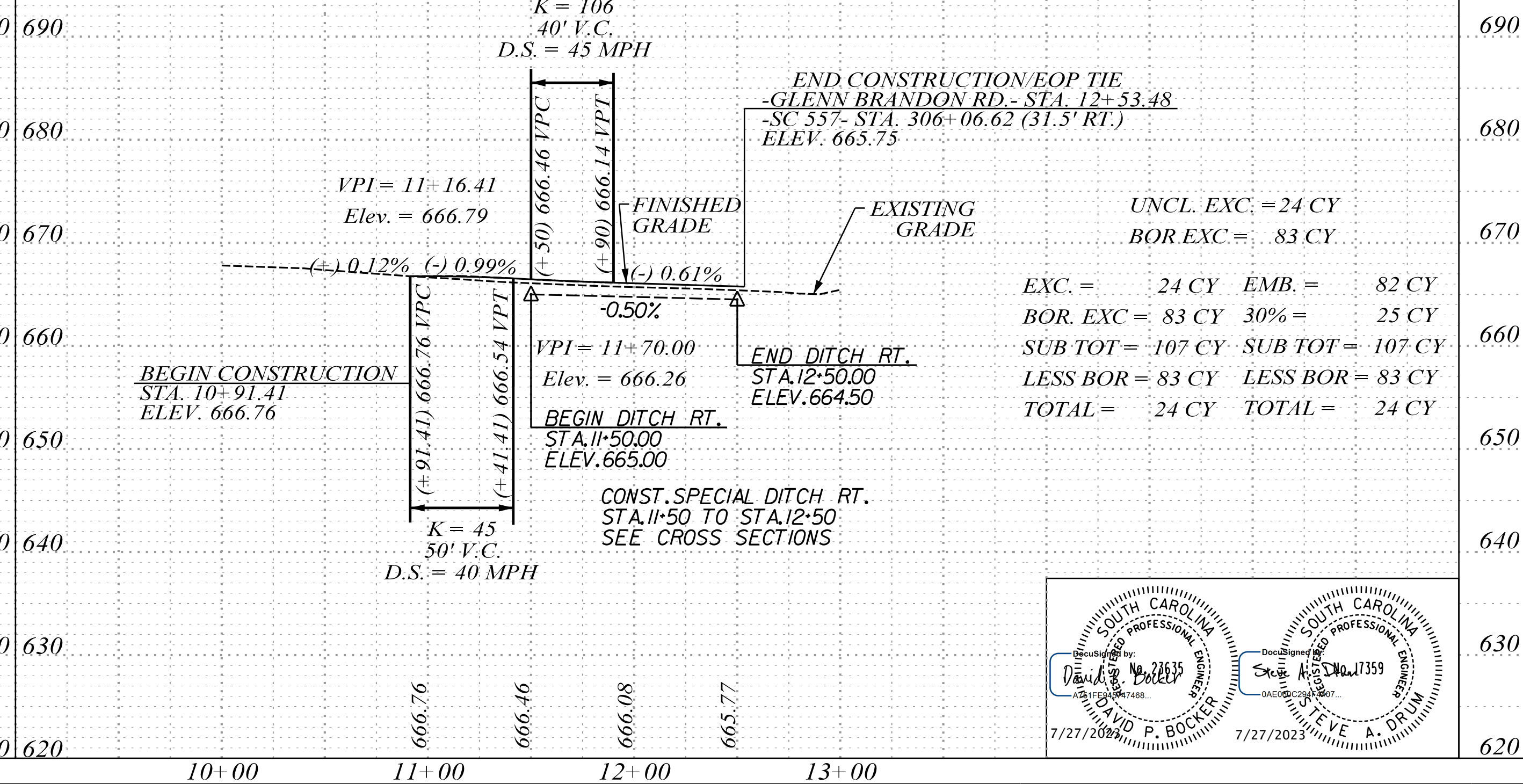
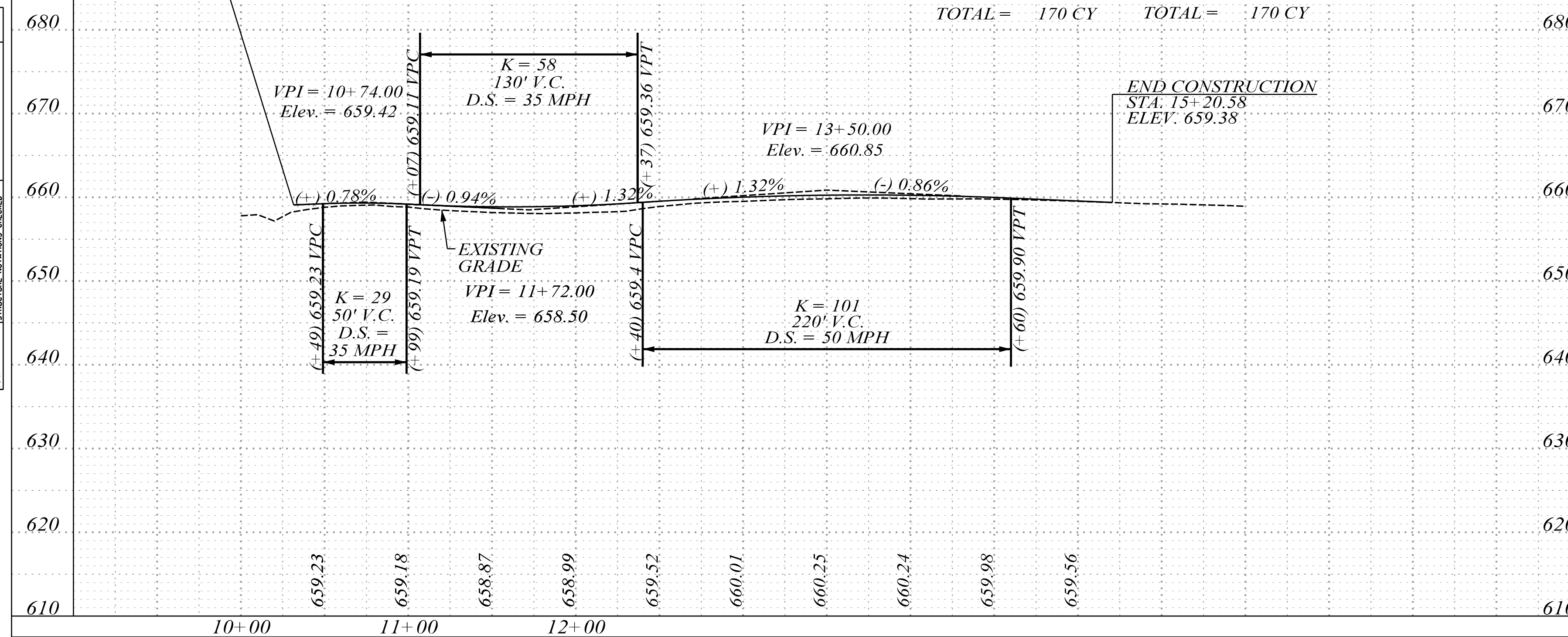
UNCL. EXC. = 170 CY
 BOR. EXC = 448 CY

EXC. = 170 CY EMB. = 475 CY
 BOR. EXC = 448 CY 30% = 143 CY
 SUB TOT = 618 CY SUB TOT = 618 CY
 LESS BOR = 448 CY LESS BOR = 448 CY
 TOTAL = 170 CY TOTAL = 170 CY

UNCL. EXC. = 24 CY
 BOR. EXC = 83 CY

EXC. = 24 CY EMB. = 82 CY
 BOR. EXC = 83 CY 30% = 25 CY
 SUB TOT = 107 CY SUB TOT = 107 CY
 LESS BOR = 83 CY LESS BOR = 83 CY
 TOTAL = 24 CY TOTAL = 24 CY

DATE	BY	PROF. NO.	REVISION

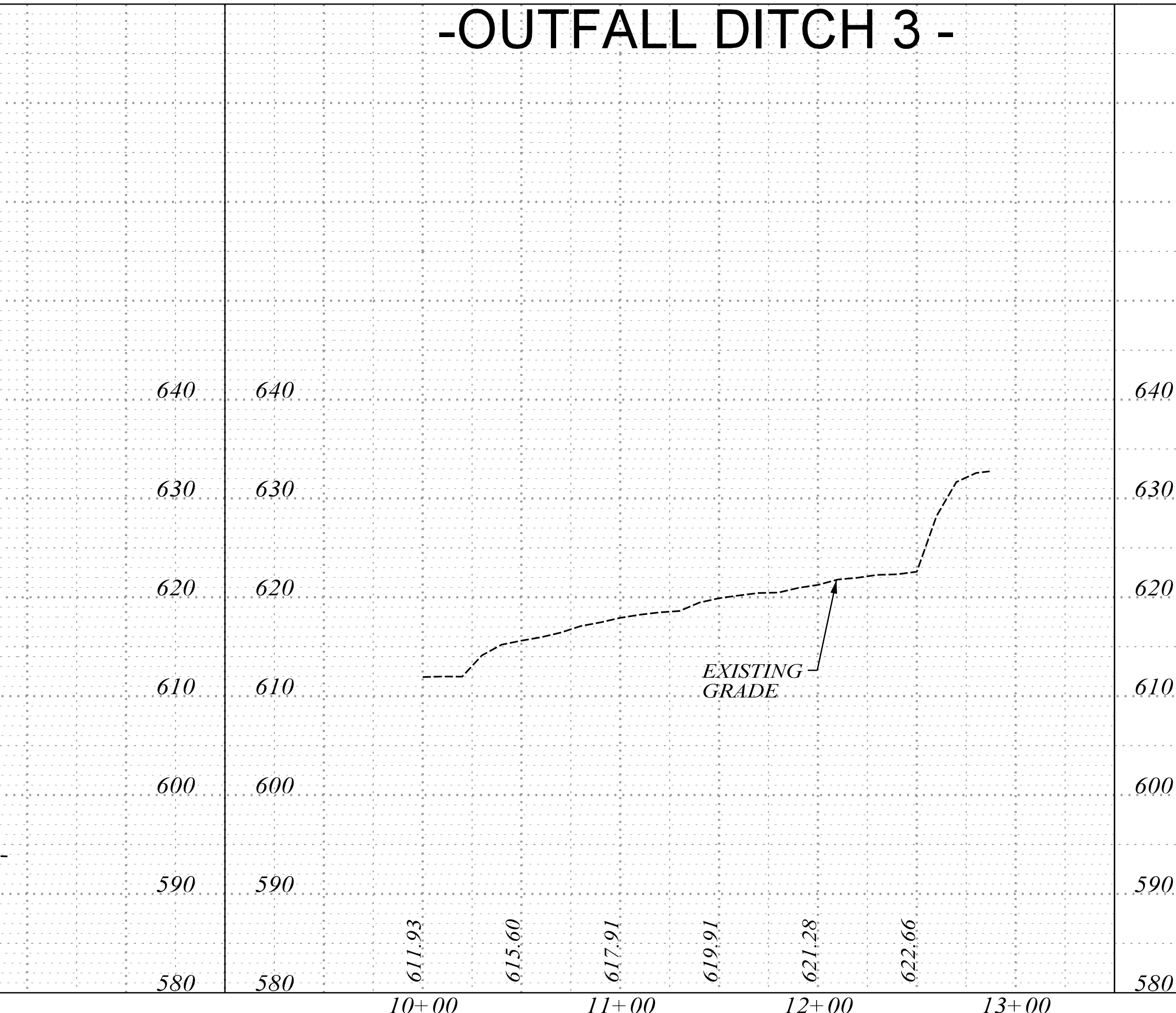
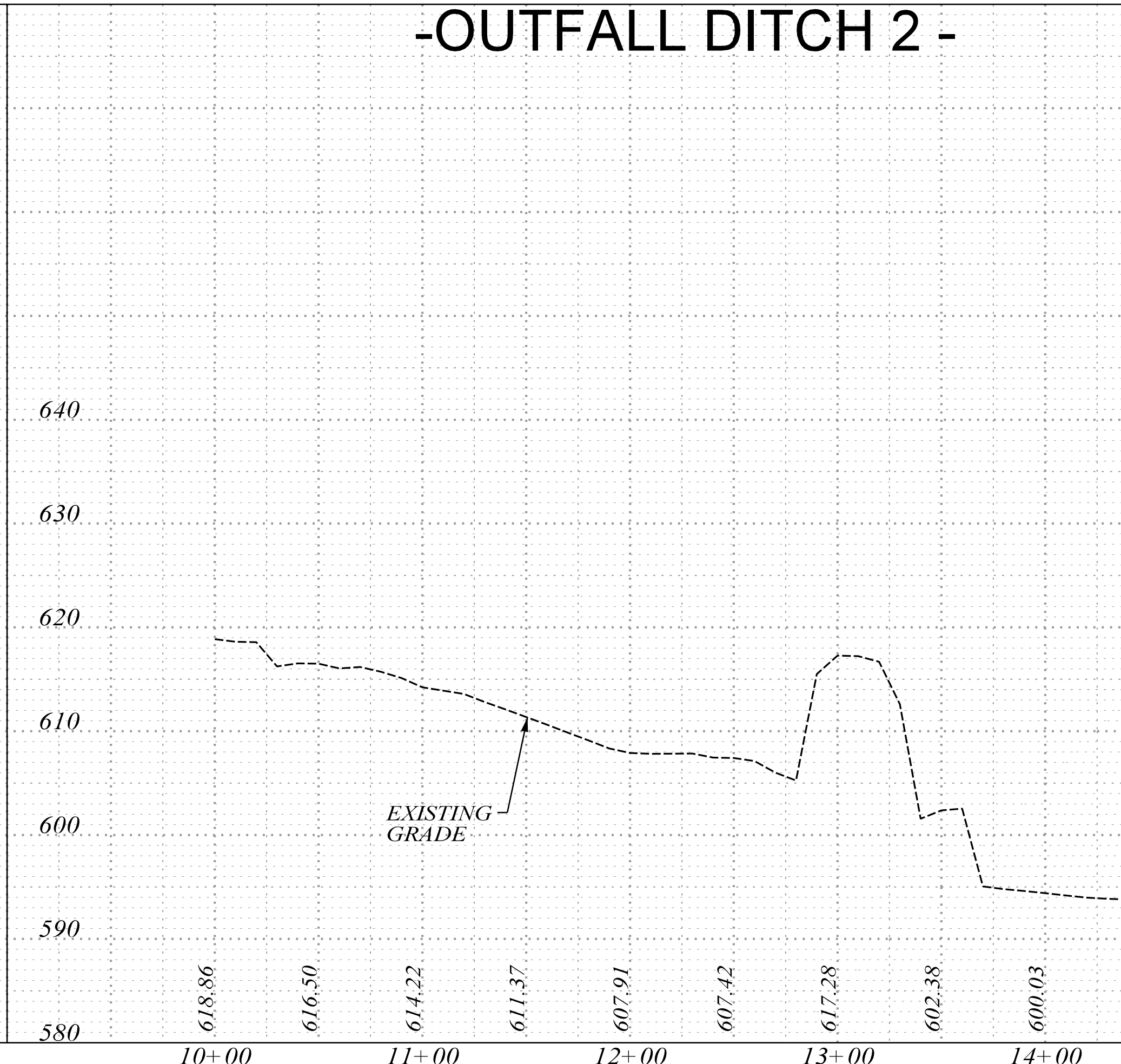
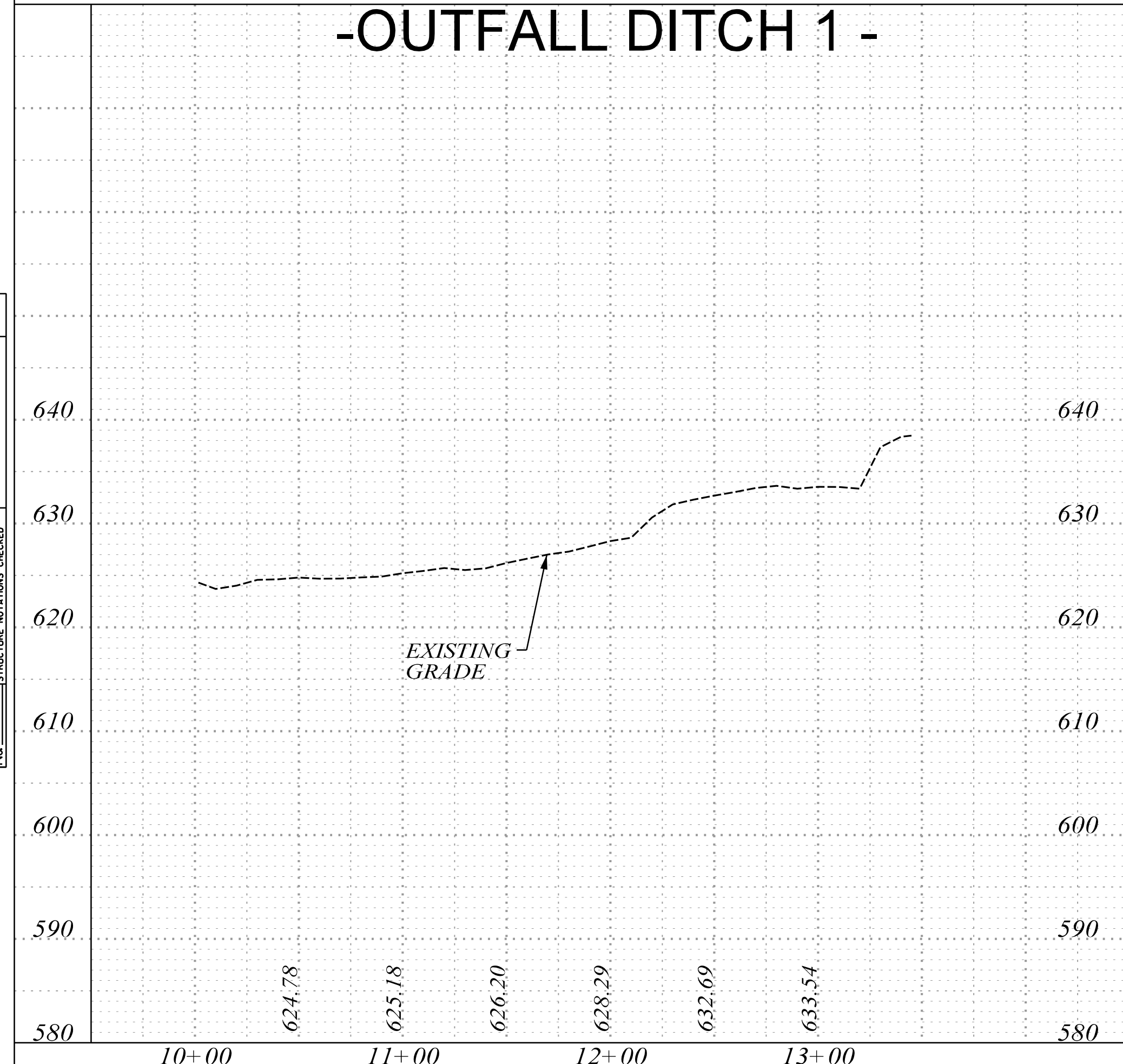


-OUTFALL DITCH 1 -

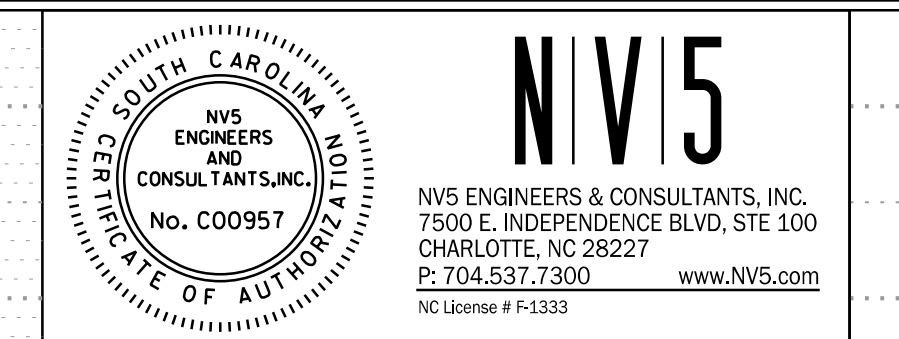
-OUTFALL DITCH 2 -

-OUTFALL DITCH 3 -

DATE	BY	PROF. NO.	REVISION
7/27/2023			



FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	24	

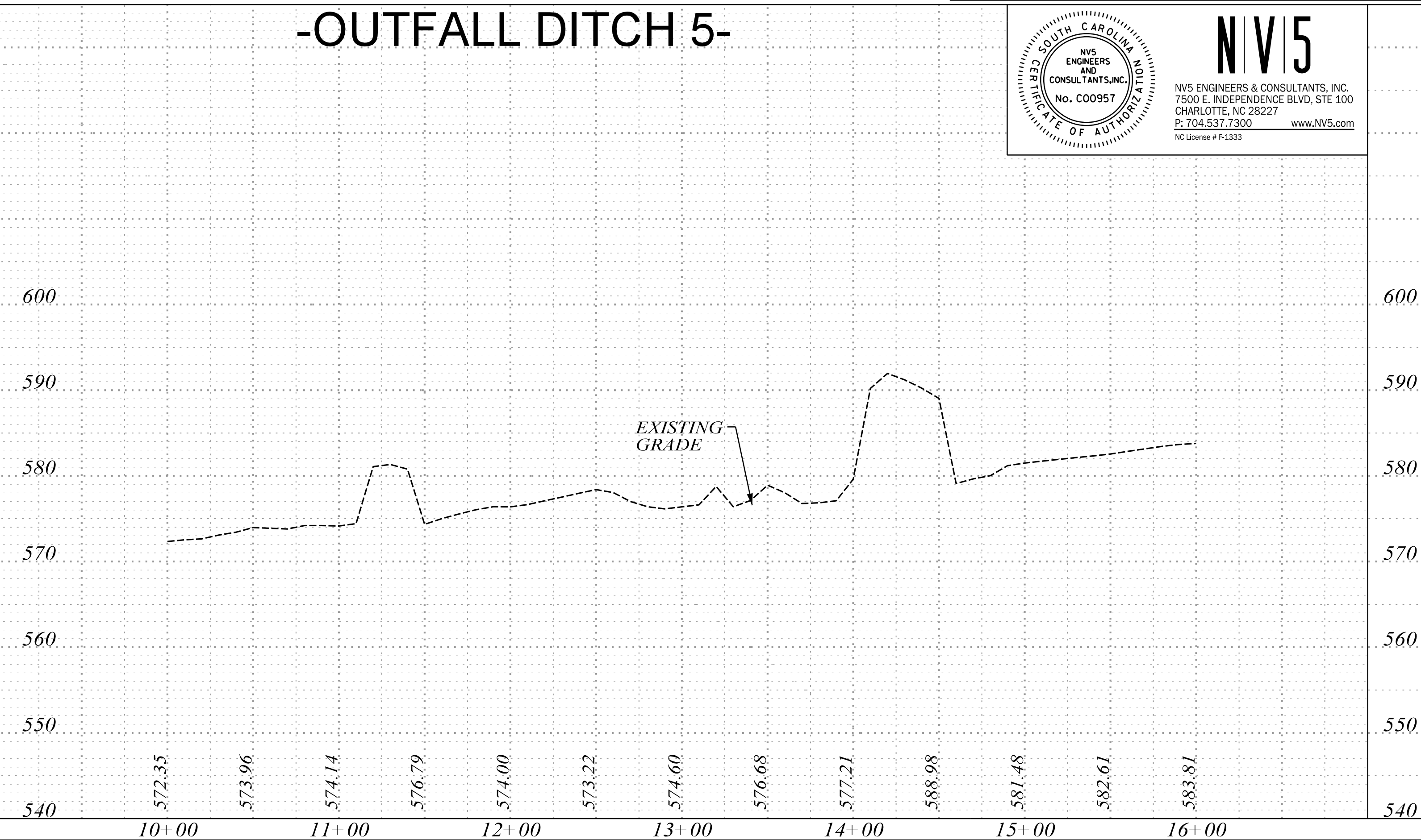
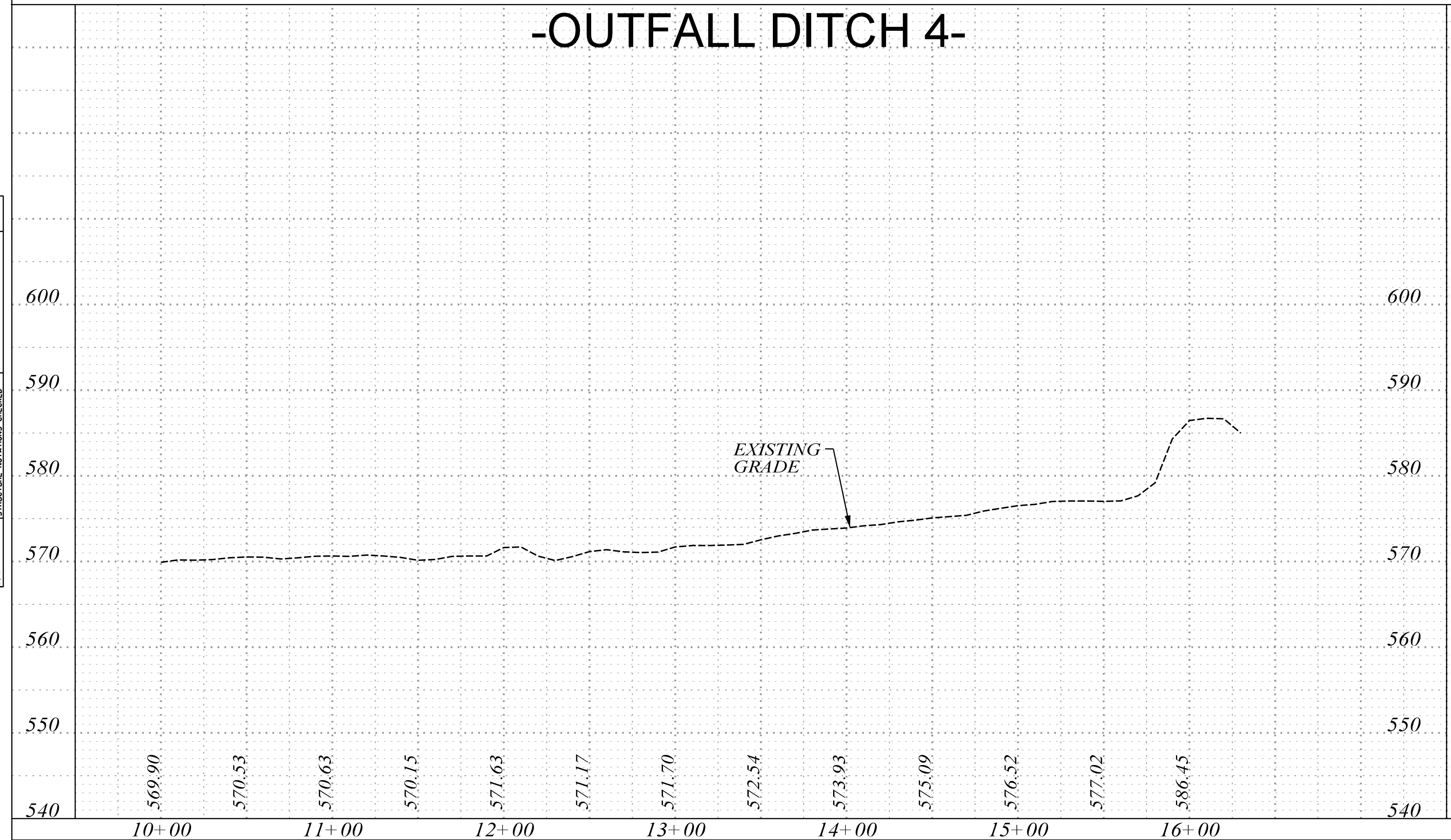


-OUTFALL DITCH 4-

-OUTFALL DITCH 5-

DATE	BY

PROFILE	SUPERVISED	PLOTTED	DATE

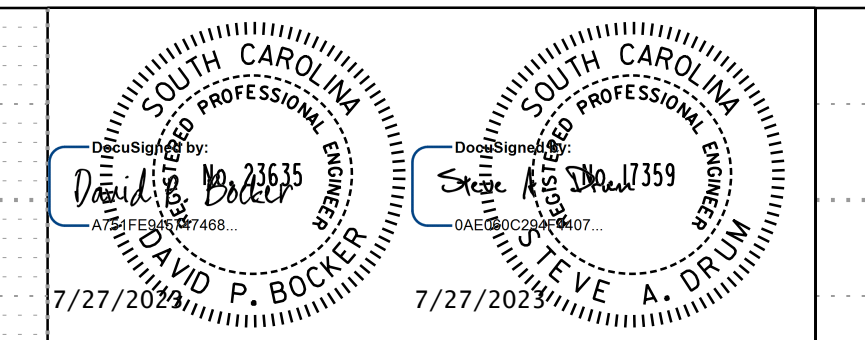
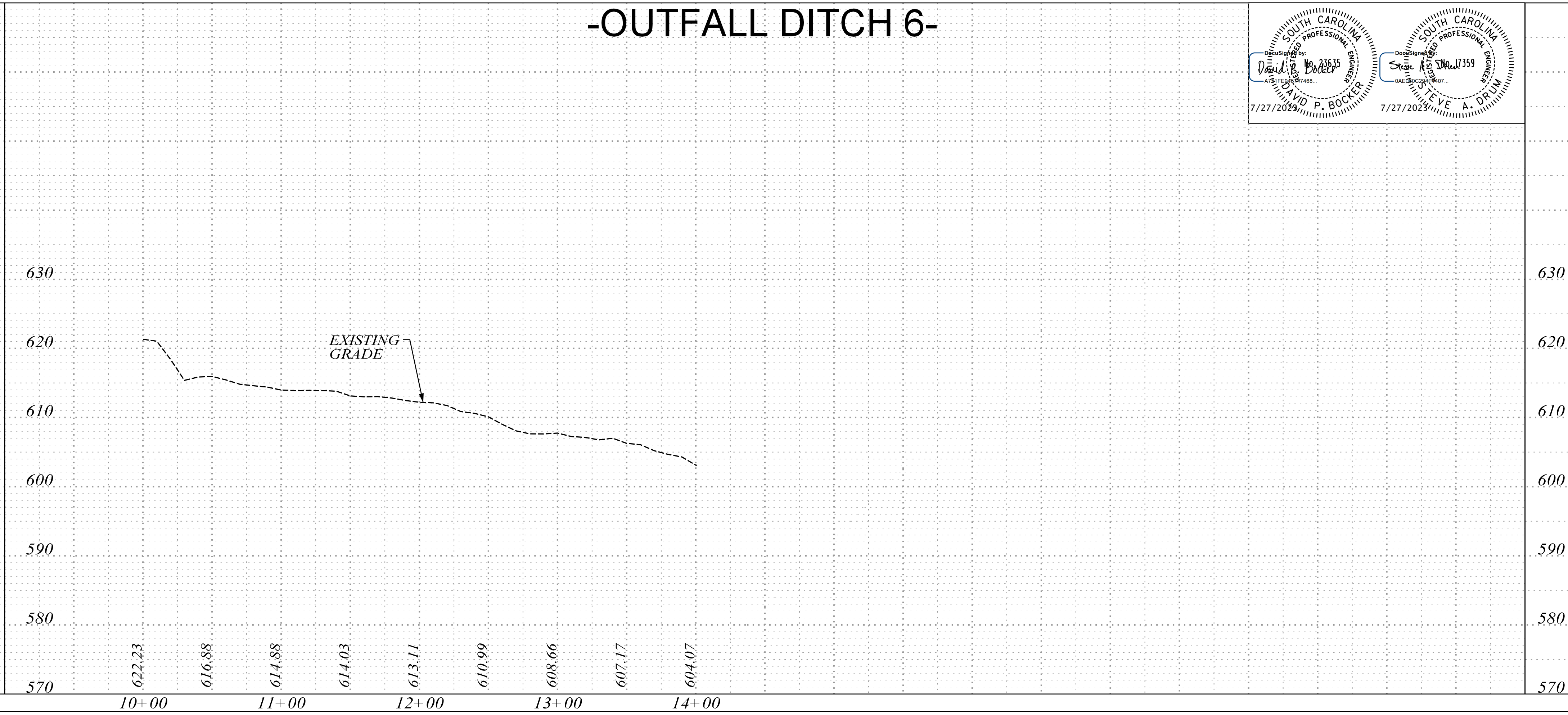
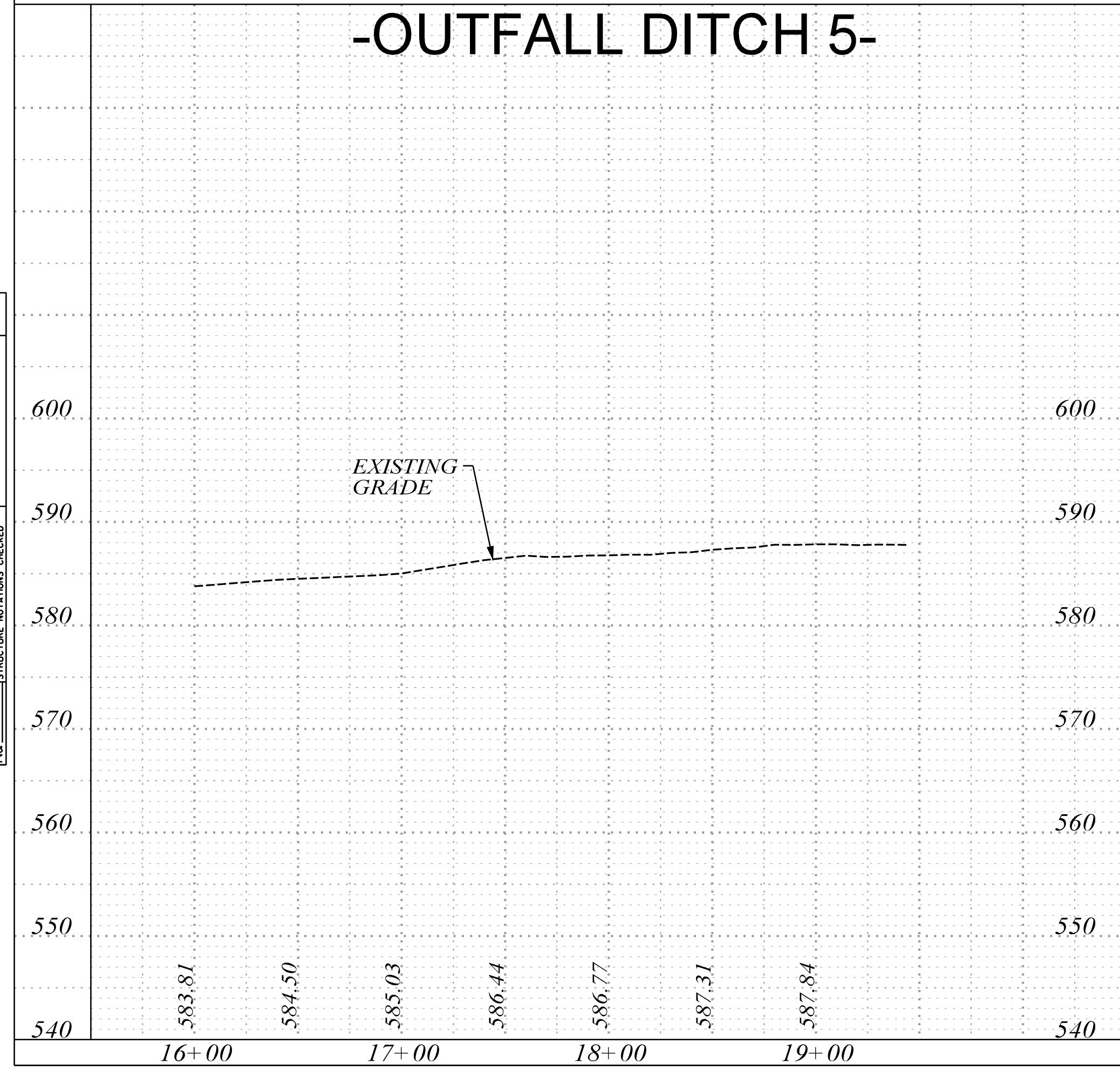


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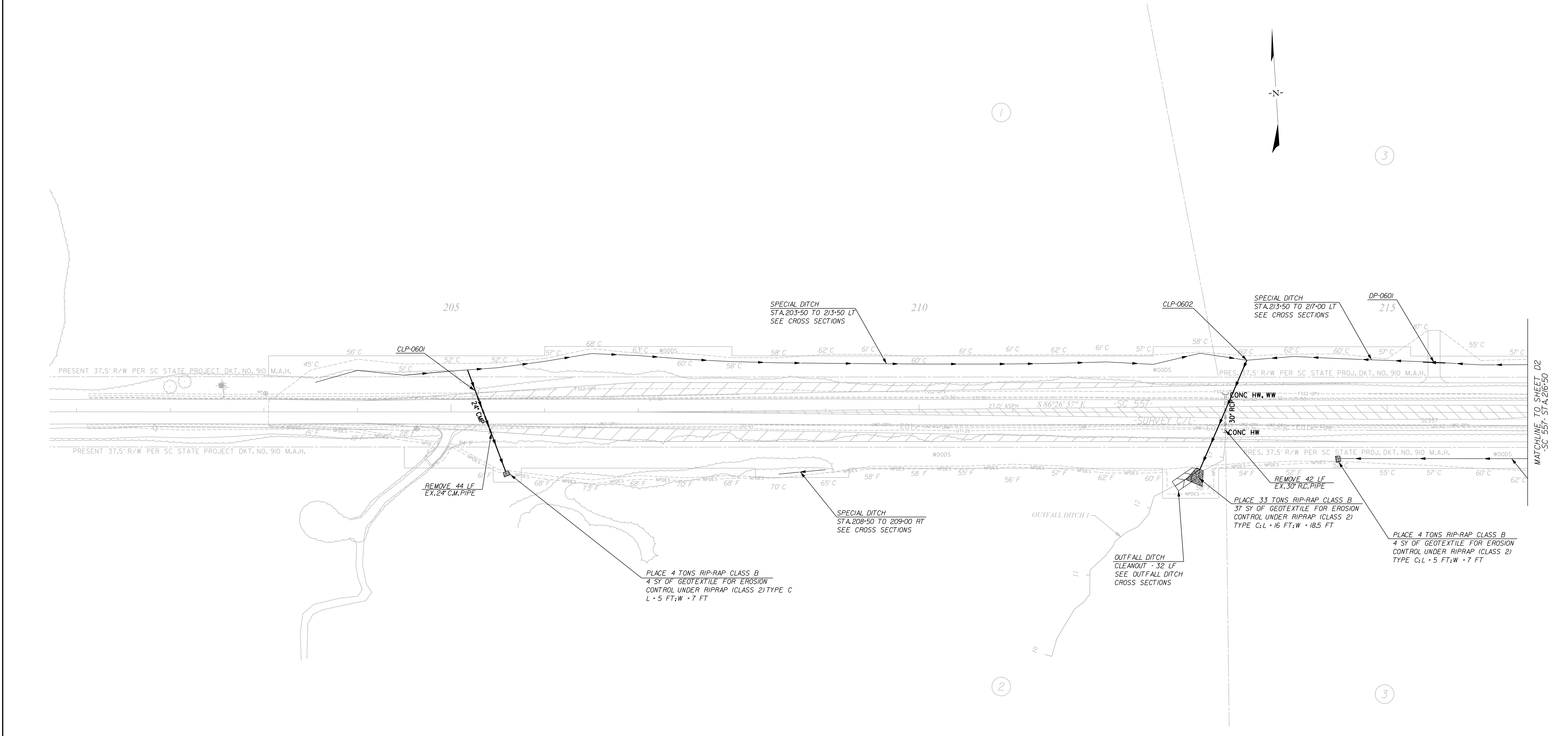
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DATE	BY
7/27/2023	

PROFILE	SUPERVISED	PLOTTED	DATE

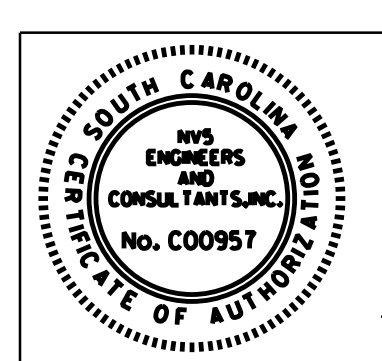
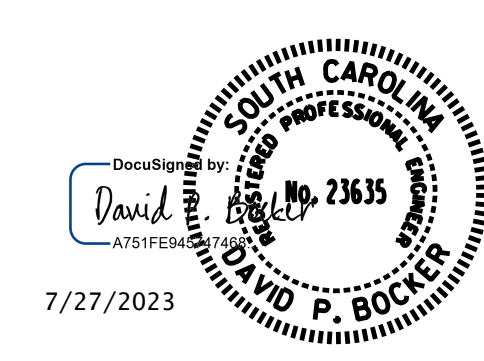


FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-004	557	D1	



Smooth Wall Pipe																								
System ID	Link ID	Geometry			Upstream				Downstream				Fill Height		Min Field		Joint		Smooth Wall Options					
		Diameter (in)	No. of Barrels	Pipe Length (ft)	Slope (%)	Node	Node Description	Node Station	Link Invert (ft)	Node	Node Description	Node Station	Link Invert (ft)	Min (ft)	Max (ft)	SPT "N" below invert	Pressure (psi)	HDPE Type	Built P	RCP Highest Class	Built P	SRAP Thickest Gage	Built P	
OPEN	CLP-0601	24	1	116.00	5.00	-	-	205+17.50	643.31	-	-	205+58.00	637.50	1.00	3.93		10	S		III			16ga	
OPEN	CLP-0602	30	1	126.80	1.63	-	-	213+50.00	634.25	-	-	213+00.00	632.18	1.00	2.98		10	S		III			16ga	
OPEN	DP-0601	18	1	24.00	-	-	-	215+62.00	-	-	-	215+38.00	-	1.00	1.68		10	S		III			NA	

7/27/2023
 default
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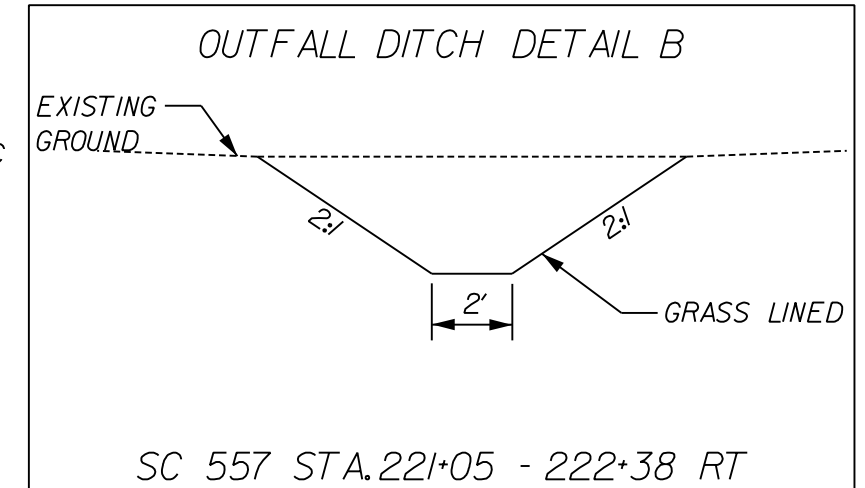
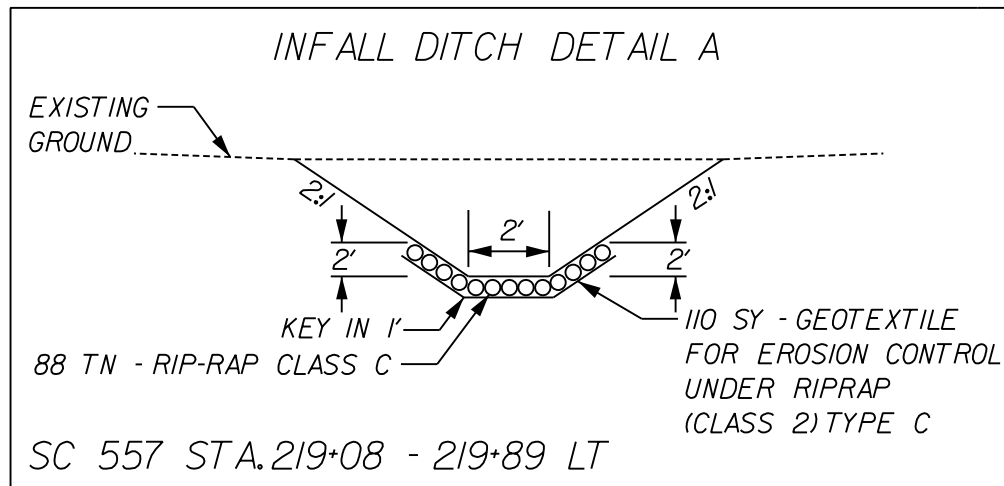
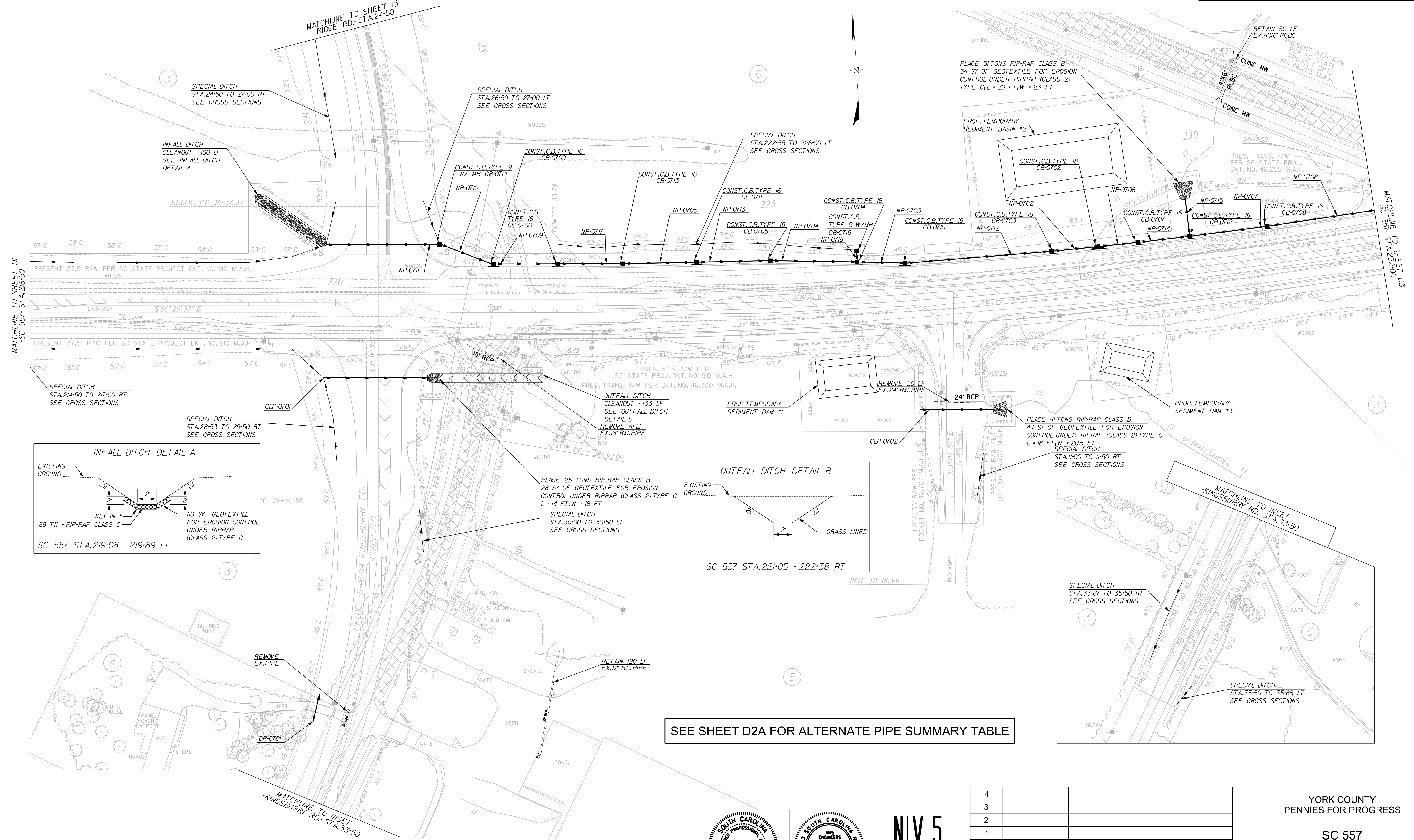
4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	SQUAD
R/W		DATE	

YORK COUNTY
 PENNIES FOR PROGRESS

**SC 557
 DRAINAGE PLAN
 STA. 205+92 TO STA. 216+50**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

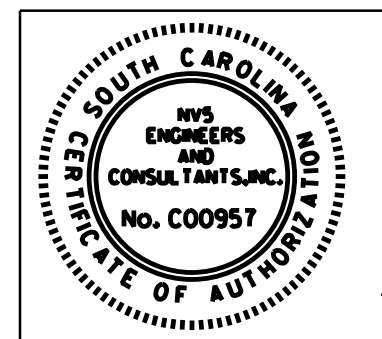
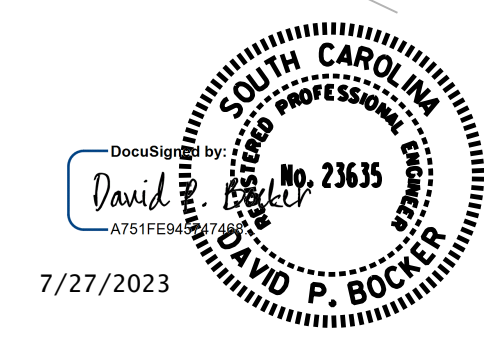
FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-004	557	D2	



SEE SHEET D2A FOR ALTERNATE PIPE SUMMARY TABLE

REMOVAL OF EXISTING PAVEMENT

7/27/2023 default H:\Project\2006\320\20 SC 557 All CLIENT\Sheets\Drainage Sheets\SC557_02_drn_pln.dgn



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4				
3				
2				
1				
REV. NO.	BY	DATE	DATE	DESCRIPTION OF REVISION
TOPO.		DATE		
DWG.		DATE		
R/W		DATE		

YORK COUNTY
 PENNIES FOR PROGRESS

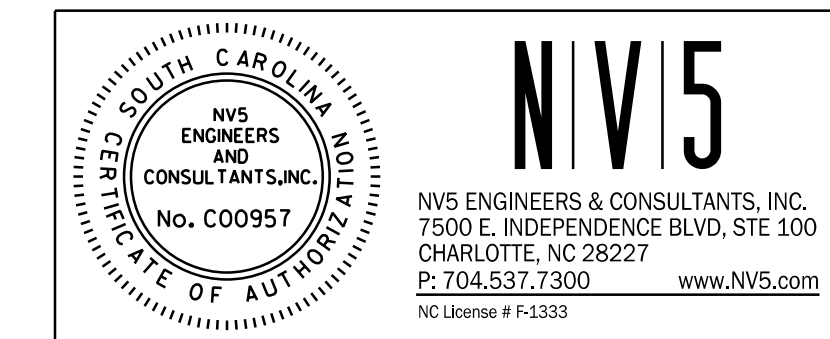
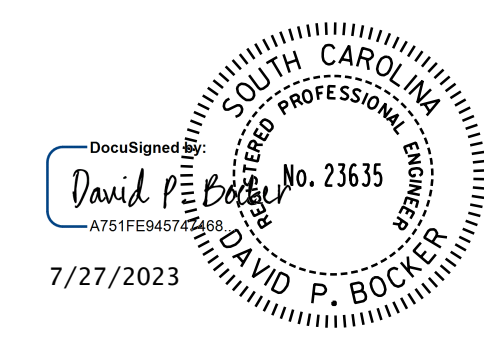
SC 557
 DRAINAGE PLAN
 STA. 216+50 TO STA. 232+00

SCALE 1"=50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	D2A	

Smooth Wall Pipe																							
System ID	Link ID	Geometry				Upstream				Downstream				Fill Height		Min Field	Joint	Smooth Wall Options					
		Diameter (in)	No. of Barrels	Pipe Length (ft)	Slope (%)	Node	Node Description	Node Station	Link Invert (ft)	Node	Node Description	Node Station	Link Invert (ft)	Min (ft)	Max (ft)	SPT "N" below invert	Pressure (psi)	HDPE Type	Built P	RCP Highest Class	Built P	SRAP Thickest Gage	Built P
A	NP-0702	30	1	49.18	1.65	CB-0703	C.B. TYPE 16	228+25.00	615.31	CB-0702	C.B. TYPE 18	228+78.50	614.50	2.21	3.21		10	S		III		16ga	
A	NP-0703	30	1	50.87	1.82	CB-0704	C.B. TYPE 16	226+00.00	617.92	CB-0710	C.B. TYPE 16	226+55.00	617.00	2.21	2.71		10	S		III		16ga	
A	NP-0704	30	1	95.52	3.16	CB-0705	C.B. TYPE 16	225+00.00	620.94	CB-0704	C.B. TYPE 16	226+00.00	617.92	2.21	2.71		10	S		III		16ga	
A	NP-0705	30	1	80.32	2.53	CB-0713	C.B. TYPE 16	223+30.00	624.99	CB-0711	C.B. TYPE 16	224+15.00	622.96	2.21	2.21		10	S		III		16ga	
A	NP-0706	36	1	42.22	0.30	CB-0702	C.B. TYPE 18	228+78.50	614.00	CB-0707	C.B. TYPE 16	229+25.00	613.87	3.17	3.39		10	S		III(B)		16ga	
A	NP-0707	18	1	85.44	3.45	CB-0708	C.B. TYPE 16	230+75.00	618.16	CB-0712	C.B. TYPE 16	229+85.00	615.21	2.29	4.08		10	S		III		16ga	
A	NP-0708	18	1	145.10	2.37	CB-0801	C.B. TYPE 16	232+25.00	621.59	CB-0708	C.B. TYPE 16	230+75.00	618.16	2.29	2.29		10	S		III		16ga	
A	NP-0709	30	1	69.96	1.34	CB-0709	C.B. TYPE 16	221+81.00	627.72	CB-0706	C.B. TYPE 16	222+55.00	626.78	2.21	3.04		10	S		III		16ga	
A	NP-0710	30	1	62.68	0.30	CB-0714	C.B. TYPE 9 W/MH	221+18.50	627.91	CB-0709	C.B. TYPE 16	221+81.00	627.72	2.00	3.04		10	S		III		NA	
A	NP-0711	30	1	127.50	3.99	DN-0711	DUMMY JOINT	219+89.00	633.00	CB-0714	C.B. TYPE 9 W/MH	221+18.50	627.91	3.29	1.21		10	S		III		NA	
A	NP-0712	30	1	164.75	1.02	CB-0710	C.B. TYPE 16	226+55.00	617.00	CB-0703	C.B. TYPE 16	228+25.00	615.31	2.21	2.21		10	S		III		16ga	
A	NP-0713	30	1	80.50	2.51	CB-0711	C.B. TYPE 16	224+15.00	622.96	CB-0705	C.B. TYPE 16	225+00.00	620.94	2.21	2.21		10	S		III		16ga	
A	NP-0714	36	1	55.65	0.30	CB-0707	C.B. TYPE 16	229+25.00	613.87	CB-0712	C.B. TYPE 16	229+85.00	613.71	3.39	3.95		10	S		III(B)		16ga	
A	NP-0715	36	1	40.50	0.50	CB-0712	C.B. TYPE 16	229+85.00	611.20	OP-0701	OP	229+85.00	611.00	1.00	6.46		10	S		IV		NA	
A	NP-0717	30	1	70.44	2.54	CB-0706	C.B. TYPE 16	222+55.00	626.78	CB-0713	C.B. TYPE 16	223+30.00	624.99	2.21	2.21		10	S		III		16ga	
A	NP-0718	18	1	8.84	3.69	CB-0715	C.B. TYPE 9 W/MH	226+00.00	619.25	CB-0704	C.B. TYPE 16	226+00.00	618.92	2.31	2.82		10	S		III		16ga	
OPEN	DP-0701	18	1	32.00	-	-	-	32+61.00	-	-	-	32+29.00	-	1.00	2.54		10	S		IV		NA	
OPEN	CLP-0701	24	1	120.00	1.68	-	-	28+53.12	633.00	-	-	28+53.12	630.97	1.00	2.56		10	S		IV		NA	
OPEN	CLP-0702	36	1	84.00	1.76	-	-	12+00.00	618.49	-	-	12+00.00	617.01	1.00	2.64		10	S		IV		NA	

7/27/2023
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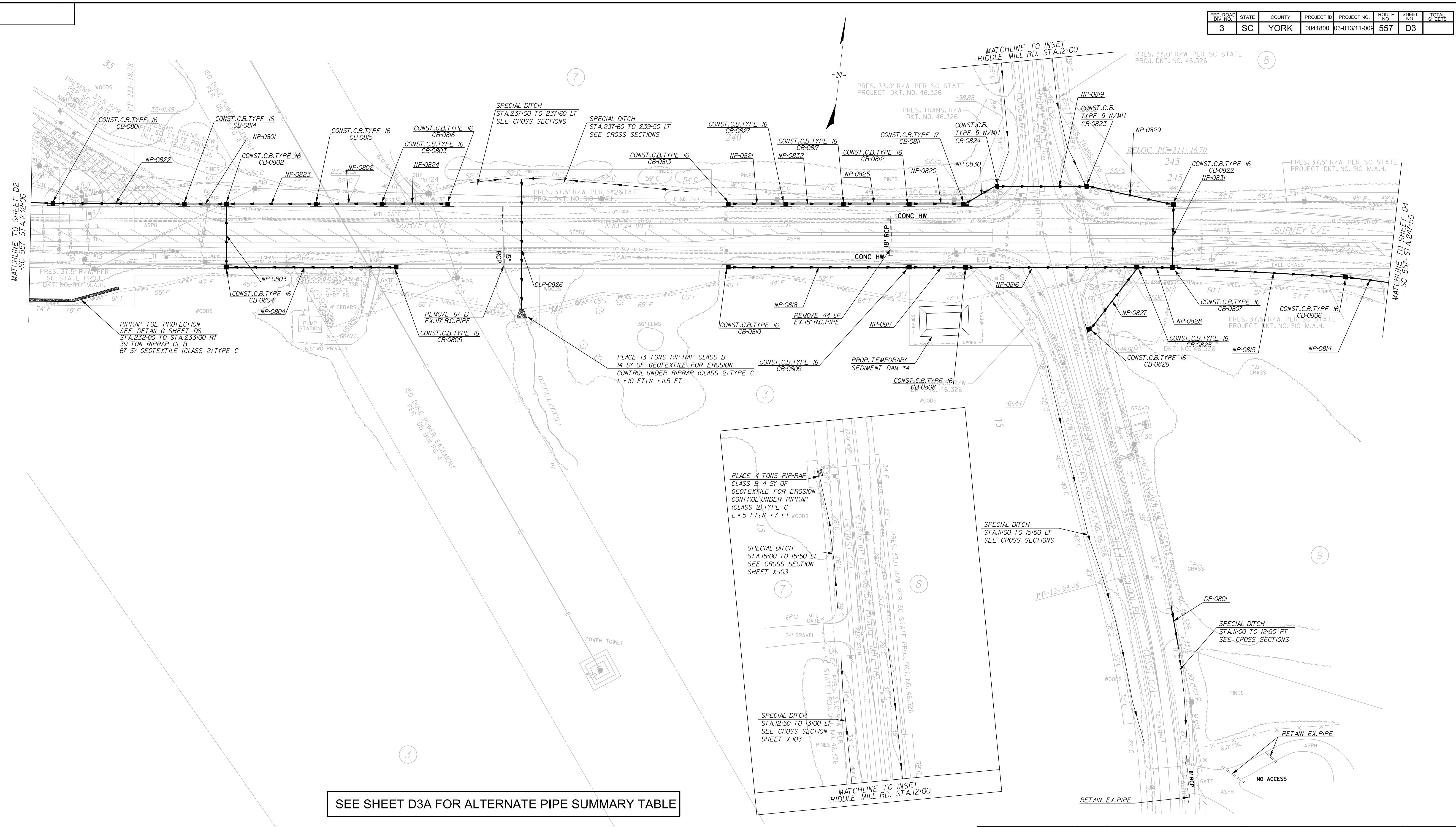
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	SQUAD
R/W		DATE	

YORK COUNTY
PENNIES FOR PROGRESS

**SC 557
DRAINAGE PLAN
STA. 216+50 TO STA. 232+00**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-008	557	D3	



RIPRAP TOE PROTECTION
SEE DETAIL G SHEET D6
STA. 232+00 TO STA. 233+00 RT
39 TON RIPRAP CL B
67 SY GEOTEXTILE (CLASS 2) TYPE C

REMOVE 67 LF
EX. 15" R.C. PIPE
CONST. C.B. TYPE 16
CB-0805

PLACE 13 TONS RIP-RAP CLASS B
14 SY OF GEOTEXTILE FOR EROSION
CONTROL UNDER RIPRAP (CLASS 2) TYPE C
L = 10 FT; W = 11.5 FT

PLACE 4 TONS RIP-RAP
CLASS B 4 SY OF
GEOTEXTILE FOR EROSION
CONTROL UNDER RIPRAP
(CLASS 2) TYPE C
L = 5 FT; W = 7 FT WOODS

SEE SHEET D3A FOR ALTERNATE PIPE SUMMARY TABLE

REMOVAL OF EXISTING PAVEMENT

7/27/2023
default
H:\Project\2008\320\20 SC 557 All CLIENT\Sheets\Drainage Sheets\SC557_03_drn_dsh.dgn

7/27/2023

NV15
 NV5 ENGINEERS & CONSULTANTS, INC.
 7500 E. INDEPENDENCE BLVD, STE 100
 CHARLOTTE, NC 28227
 P: 704.537.7300 www.NV5.com
 NC License # P-1333

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

YORK COUNTY
PENNIES FOR PROGRESS

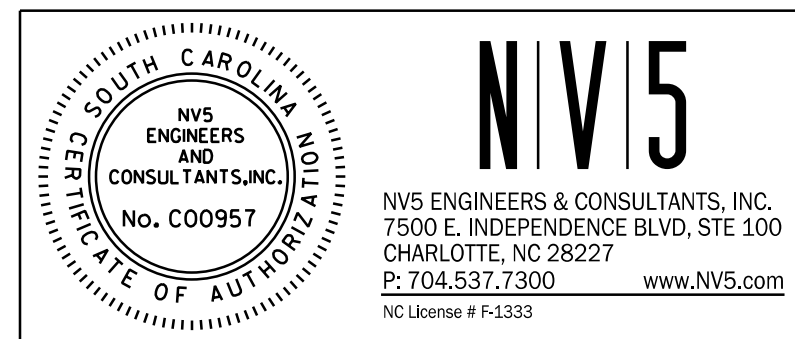
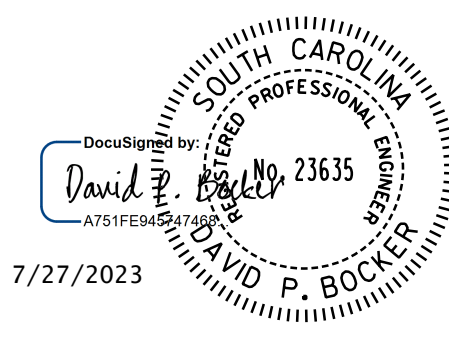
SC 557
DRAINAGE PLAN
STA. 232+00 TO STA. 247+50

SCALE 1"= 50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	D3A	

Smooth Wall Pipe																						
System ID	Link ID	Geometry			Upstream				Downstream				Fill Height		Min Field SPT "N" below invert	Joint Pressure (psi)	Smooth Wall Options					
		Diameter (in)	No. of Barrels	Pipe Length (ft)	Slope (%)	Node Description	Node Station	Node Link Invert (ft)	Node Description	Node Station	Node Link Invert (ft)	Min (ft)	Max (ft)	HDPE Type			Built P	RCP Highest Class	Built P	SRAP Thickest Gage	Built P	
A	NP-0801	18	1	44.00	2.03	CB-0802	C.B. TYPE 16	234+23.00	626	CB-0814	C.B. TYPE 16	233+75.00	625.11	2.29	2.29	10	S		III		16ga	
A	NP-0802	18	1	71.00	1.13	CB-0803	C.B. TYPE 16	236+00.00	628.33	CB-0815	C.B. TYPE 16	235+25.00	627.53	2.29	2.29	10	S		III		16ga	
A	NP-0803	18	1	68.00	0.78	CB-0804	C.B. TYPE 16	234+23.00	626.53	CB-0802	C.B. TYPE 16	234+23.00	626.00	2.29	2.29	10	S		III		16ga	
A	NP-0804	18	1	189.00	1.02	CB-0805	C.B. TYPE 16	236+16.00	628.45	CB-0804	C.B. TYPE 16	234+23.00	626.53	2.29	2.29	10	S		III		16ga	
B	NP-0814	18	1	193.39	2.89	CB-0806	C.B. TYPE 16	247+00.00	620.20	CB-0909	C.B. TYPE 16	249+00.00	614.62	2.25	2.25	10	S		III		16ga	
B	NP-0815	18	1	193.39	0.98	CB-0807	C.B. TYPE 16	245+00.00	622.20	CB-0806	C.B. TYPE 16	247+00.00	620.30	2.25	4.26	10	S		III		16ga	
B	NP-0816	18	1	190.96	2.10	CB-0808	C.B. TYPE 16	242+64.00	627.01	CB-0825	C.B. TYPE 16	244+59.00	623.00	2.26	4.82	10	S		III		16ga	
B	NP-0817	18	1	59.88	0.53	CB-0809	C.B. TYPE 16	242+00.00	627.33	CB-0808	C.B. TYPE 16	242+64.00	627.01	2.29	2.31	10	S		III		16ga	
B	NP-0818	18	1	202.00	0.51	CB-0810	C.B. TYPE 16	239+94.00	628.35	CB-0809	C.B. TYPE 16	242+00.00	627.33	2.29	2.29	10	S		III		16ga	
B	NP-0819	18	1	97.96	0.50	CB-0824	C.B. TYPE 9 W/MH	10+60.50	626.85	CB-0823	C.B. TYPE 9 W/MH	10+51.00	626.36	2.41	2.26	10	S		III		16ga	
B	NP-0820	18	1	60.00	0.50	CB-0812	C.B. TYPE 16	242+00.00	627.34	CB-0811	C.B. TYPE 17	242+64.00	627.04	2.29	2.45	10	S		III		16ga	
B	NP-0821	18	1	61.50	0.52	CB-0813	C.B. TYPE 16	239+94.00	628.34	CB-0827	C.B. TYPE 16	240+59.50	628.02	2.29	2.29	10	S		III		16ga	
A	NP-0822	18	1	145.45	2.42	CB-0814	C.B. TYPE 16	233+75.00	625.11	CB-0801	C.B. TYPE 16	232+25.00	621.59	2.29	2.29	10	S		III		16ga	
A	NP-0823	18	1	98.00	1.56	CB-0815	C.B. TYPE 16	235+25.00	627.53	CB-0802	C.B. TYPE 16	234+23.00	626.00	2.29	2.29	10	S		III		16ga	
A	NP-0824	18	1	71.00	0.74	CB-0816	C.B. TYPE 16	236+75.00	628.86	CB-0803	C.B. TYPE 16	236+00.00	628.33	2.29	2.29	10	S		III		16ga	
B	NP-0825	18	1	71.00	0.50	CB-0817	C.B. TYPE 16	241+25.00	627.70	CB-0812	C.B. TYPE 16	242+00.00	627.34	2.29	2.29	10	S		III		16ga	
B	NP-0827	18	1	85.61	0.50	CB-0826	C.B. TYPE 16	15+76.00	623.43	CB-0825	C.B. TYPE 16	244+59.00	623.00	2.29	4.86	10	S		III		16ga	
B	NP-0828	18	1	36.47	2.20	CB-0825	C.B. TYPE 16	244+59.00	623.10	CB-0807	C.B. TYPE 16	245+00.00	622.30	4.26	4.82	10	S		III		16ga	
B	NP-0829	24	1	97.09	0.50	CB-0823	C.B. TYPE 9 W/MH	10+51.00	625.86	CB-0822	C.B. TYPE 16	245+00.00	625.38	2.00	2.29	10	S		IV		16ga	
B	NP-0830	18	1	37.77	0.50	CB-0811	C.B. TYPE 17	242+64.00	627.04	CB-0824	C.B. TYPE 9 W/MH	10+60.50	626.85	1.29	2.45	10	S		IV		NA	
B	NP-0831	24	1	68.00	4.50	CB-0822	C.B. TYPE 16	245+00.00	625.38	CB-0807	C.B. TYPE 16	245+00.00	622.32	3.18	4.30	10	S		III		16ga	
B	NP-0832	18	1	61.50	0.52	CB-0827	C.B. TYPE 16	240+59.50	628.02	CB-0817	C.B. TYPE 16	241+25.00	627.70	2.29	2.31	10	S		III		16ga	
OPEN	CLP-0826	24	1	148.00	4.03	-	-	237+59.00	627.28	-	-	237+59.00	621.32	1.00	7.94	10	S		IV		NA	
OPEN	DP-0801	18	1	48.00	-	-	-	12+50.00	-	-	-	12+03.00	-	1.00	2.00	10	S		IV		NA	

7/27/2023
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TOPO.		DATE	
DWG.		DATE	SQUAD
R/W		DATE	

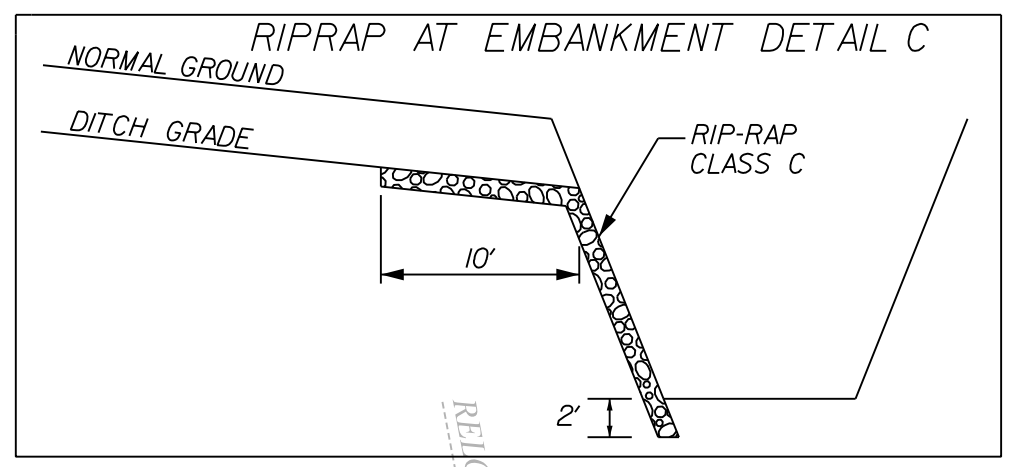
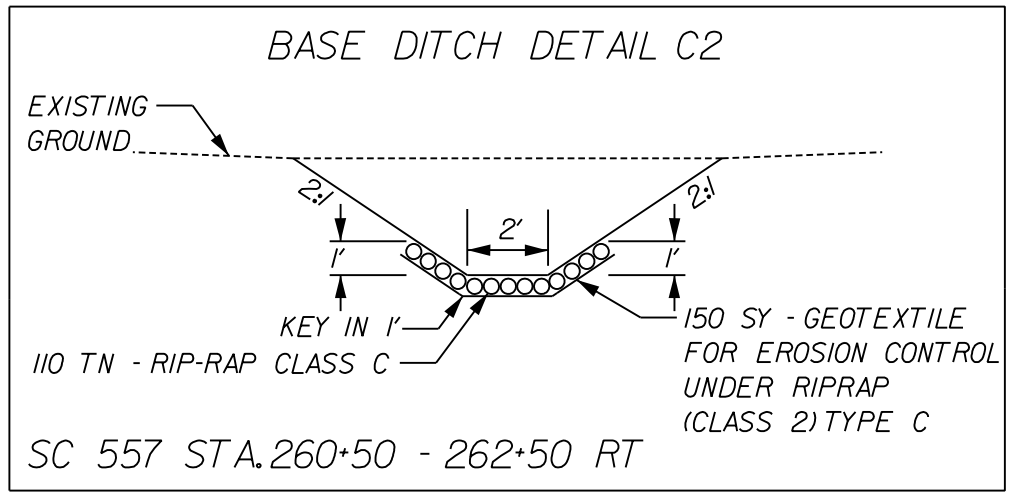
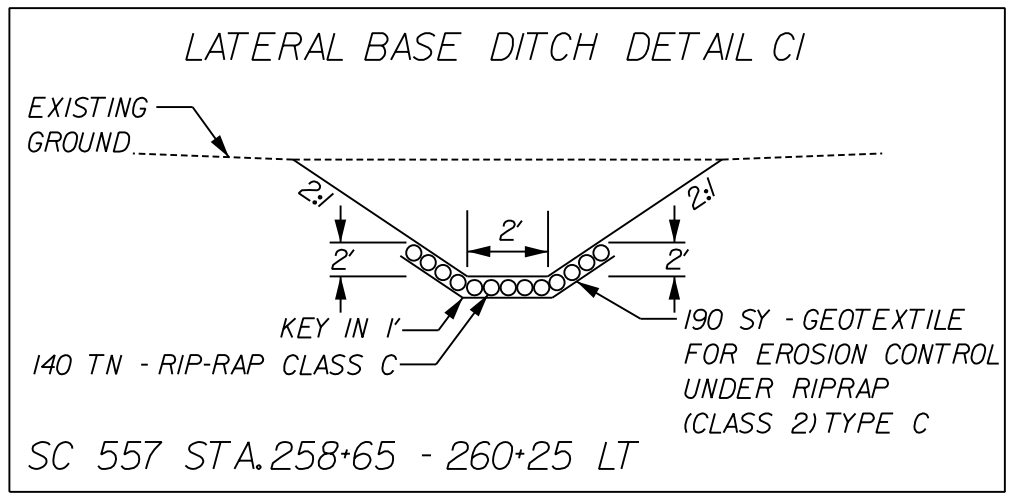
YORK COUNTY
 PENNIES FOR PROGRESS

**SC 557
 DRAINAGE PLAN
 STA. 232+00 TO STA. 247+50**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

		Smooth Wall Pipe														Smooth Wall Options					
System ID	Link ID	Geometry				Upstream		Downstream		Fill Height		Min Field SPT "N" below invert	Joint Pressure (psi)	HDPE Type	Smooth Wall Options						
		Diameter (in)	No. of Barrels	Pipe Length (ft)	Slope (%)	Node Description	Node Station	Node Link Invert (ft)	Node Description	Node Station	Node Link Invert (ft)				Min	Max	RCP Highest Class	Build P	SRAP Thickest Gage	Build P	
I	NP-0902	18	1	23.17	8.20	CB-0904	C.B. TYPE 16	255+29.00	589.90	J-0929	M.H.	255+29.00	588.00	2.29	3.29	10	S	III	P	16ga	P
I	NP-0904	18	1	227.01	4.59	CB-0905	C.B. TYPE 16	253+00.00	600.43	CB-0904	C.B. TYPE 16	255+29.00	590.00	2.29	2.53	10	S	III	P	16ga	P
B	NP-0906	24	1	110.50	2.76	CB-0907	C.B. TYPE 16	253+00.00	599.49	CB-0919	C.B. TYPE 16	254+14.50	596.45	2.25	2.49	10	S	III	P	16ga	P
B	NP-0907	24	1	203.00	3.88	CB-0908	C.B. TYPE 16	250+93.00	607.37	CB-0907	C.B. TYPE 16	253+00.00	599.49	2.25	2.49	10	S	III	P	16ga	P
B	NP-0908	24	1	188.09	3.59	CB-0909	C.B. TYPE 16	249+00.00	614.12	CB-0908	C.B. TYPE 16	250+93.00	607.37	2.25	2.25	10	S	III	P	16ga	P
H	NP-0909	24	1	19.17	9.39	CB-0914	C.B. TYPE 16	259+80.00	582.00	J-0931	M.H.	259+80.00	580.20	5.02	5.24	10	S	III	P	16ga	P
H	NP-0910	24	1	97.00	0.30	CB-0925	C.B. TYPE 16	260+81.00	584.45	CB-0914	C.B. TYPE 16	259+80.00	584.16	3.66	5.02	10	S	III	P	16ga	P
H	NP-0911	24	1	65.00	0.30	CB-0912	C.B. TYPE 16	261+50.00	584.64	CB-0925	C.B. TYPE 16	260+81.00	584.45	3.25	3.66	10	S	III	P	16ga	P
H	NP-0912	18	1	57.00	2.03	CB-0913	C.B. TYPE 16	262+11.00	586.30	CB-0912	C.B. TYPE 16	261+50.00	585.14	2.29	3.29	10	S	III	P	16ga	P
C	NP-0913	18	1	25.57	0.50	J-0928	M.H.	259+80.00	573.23	OP-0921	OP	259+62.00	573.10	1.00	8.00	10	S	IV	P	NA	P
C	NP-0914	18	1	97.00	1.00	CB-0916	C.B. TYPE 16	260+81.00	584.52	CB-0915	C.B. TYPE 16	259+80.00	583.55	3.70	5.04	10	S	III	P	16ga	P
C	NP-0915	18	1	65.00	1.00	CB-0917	C.B. TYPE 16	261+50.00	585.17	CB-0916	C.B. TYPE 16	260+81.00	584.52	3.29	3.70	10	S	III	P	16ga	P
C	NP-0916	18	1	57.00	2.02	CB-0918	C.B. TYPE 16	262+11.00	586.32	CB-0917	C.B. TYPE 16	261+50.00	585.17	2.29	3.29	10	S	III	P	16ga	P
C	NP-0917	18	1	185.00	0.57	CB-1001	C.B. TYPE 16	264+00.00	587.37	CB-0918	C.B. TYPE 16	262+11.00	586.32	2.29	2.29	10	S	III	P	16ga	P
B	NP-0918	24	1	110.50	3.00	CB-0919	C.B. TYPE 16	254+14.50	596.45	CB-0906	C.B. TYPE 16	255+29.00	593.13	2.25	3.25	10	S	III	P	16ga	P
B	NP-0920	24	1	26.17	1.00	JB-0927	M.H.	255+29.00	573.11	OP-0920	OP	255+29.00	572.85	1.00	9.04	10	S	IV	P	NA	P
H	NP-0923	18	1	55.00	0.60	CB-0924	C.B. TYPE 16	262+70.00	586.63	CB-0913	C.B. TYPE 16	262+11.00	586.30	2.29	2.29	10	S	III	P	16ga	P
OPEN	CLP-0924	18	1	29.86	0.50			263+08.00	592.54			262+75.50	592.39	2.31	2.46	10	S	III	P	NA	P
B	NP-0925	24	1	30.17	9.94	CB-0906	C.B. TYPE 16	255+29.00	585.00	JB-0927	M.H.	255+29.00	582.00	3.25	8.43	10	NA	NA	P	NA	P
C	NP-0926	18	1	19.17	9.91	CB-0915	C.B. TYPE 16	259+80.00	583.00	J-0928	M.H.	259+80.00	581.10	3.25	6.23	10	NA	NA	P	NA	P
I	NP-0929	18	1	31.17	0.80	J-0929	M.H.	255+29.00	576.50	OP-0930	OP	255+29.00	576.25	1.00	12.50	10	S	IV	P	NA	P
H	NP-0931	24	1	41.84	0.60	J-0931	M.H.	259+80.00	571.00	OP-0932	OP	259+50.00	570.75	1.00	10.36	10	S	IV	P	NA	P
H	NP-0931	24	1	41.84	0.60	J-0931	M.H.	259+80.00	571.00	OP-0932	OP	259+50.00	570.75	1.00	10.36	10	S	IV	P	NA	P

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT NO.	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-006	557	D4	



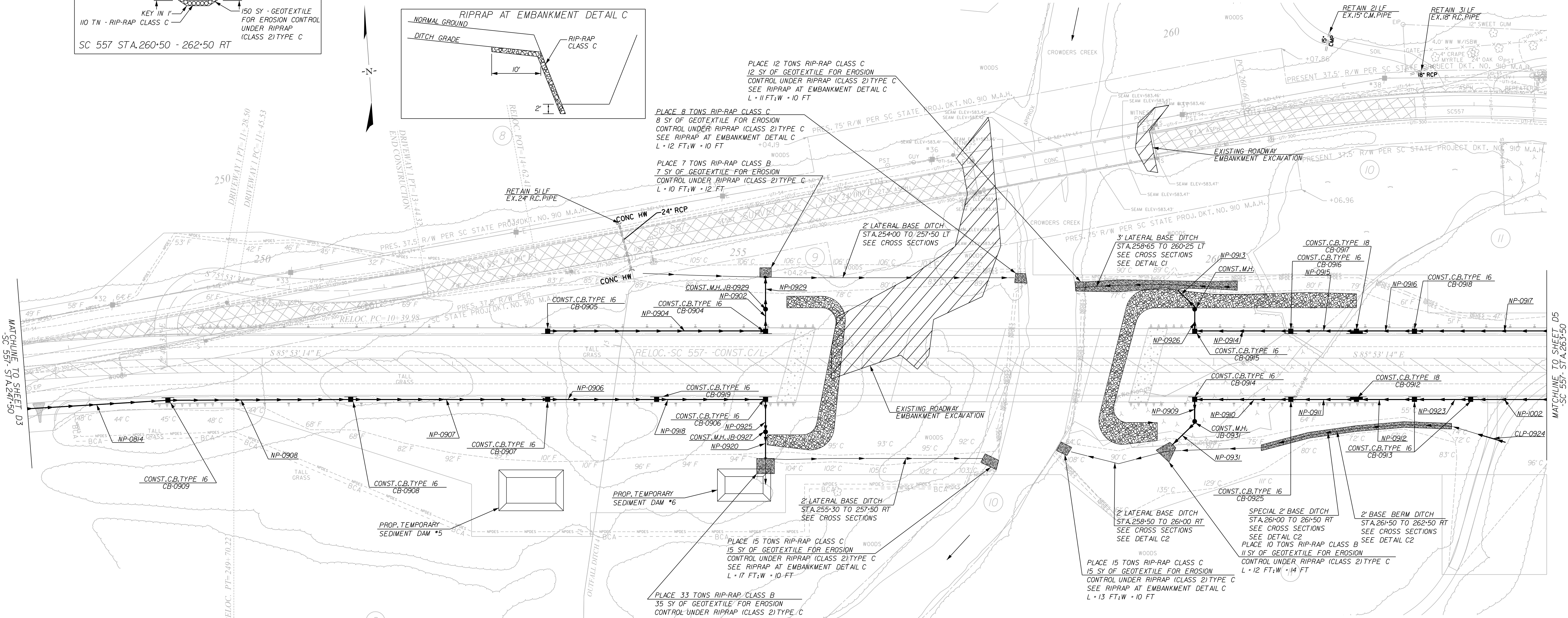
PLACE 12 TONS RIP-RAP CLASS C
12 SY OF GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP (CLASS 2) TYPE C
SEE RIPRAP AT EMBANKMENT DETAIL C
L • 11 FT; W • 10 FT

PLACE 8 TONS RIP-RAP CLASS C
8 SY OF GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP (CLASS 2) TYPE C
SEE RIPRAP AT EMBANKMENT DETAIL C
L • 12 FT; W • 10 FT

PLACE 7 TONS RIP-RAP CLASS B
7 SY OF GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP (CLASS 2) TYPE C
L • 10 FT; W • 12 FT

PLACE 15 TONS RIP-RAP CLASS C
15 SY OF GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP (CLASS 2) TYPE C
SEE RIPRAP AT EMBANKMENT DETAIL C
L • 17 FT; W • 10 FT

PLACE 33 TONS RIP-RAP CLASS B
35 SY OF GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP (CLASS 2) TYPE C
L • 16 FT; W • 18.5 FT



[Hatched Box Symbol] REMOVAL OF EXISTING PAVEMENT

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

YORK COUNTY
PENNIES FOR PROGRESS

SC 557
DRAINAGE PLAN
STA. 247+50 TO STA. 263+50

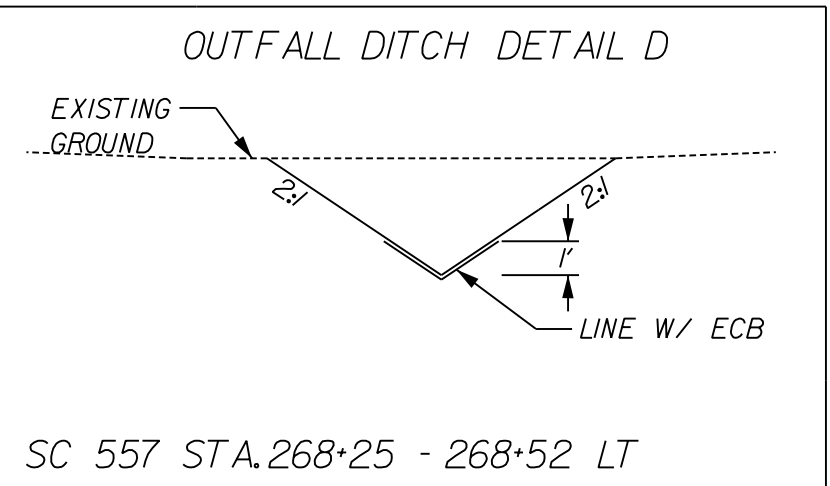
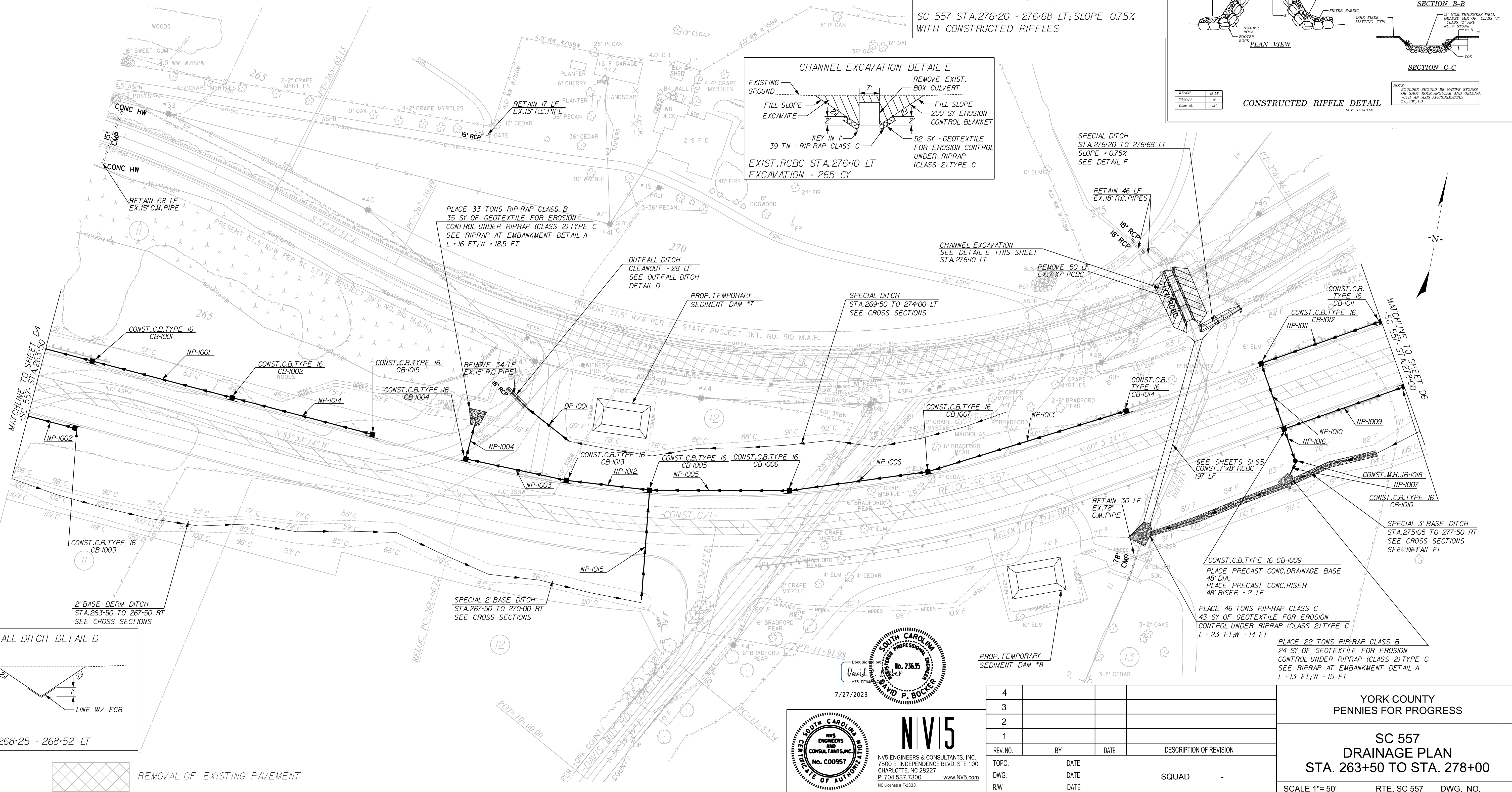
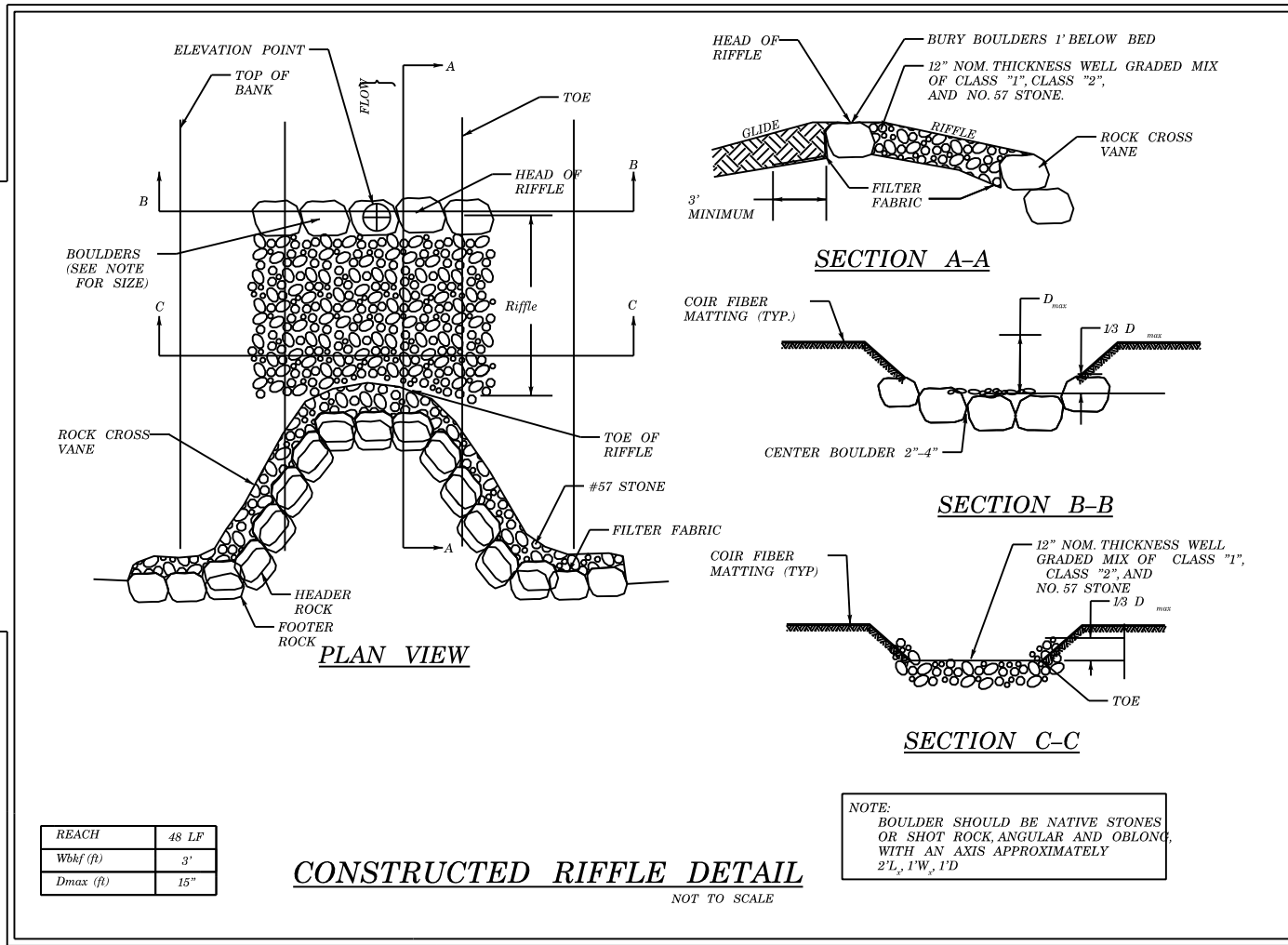
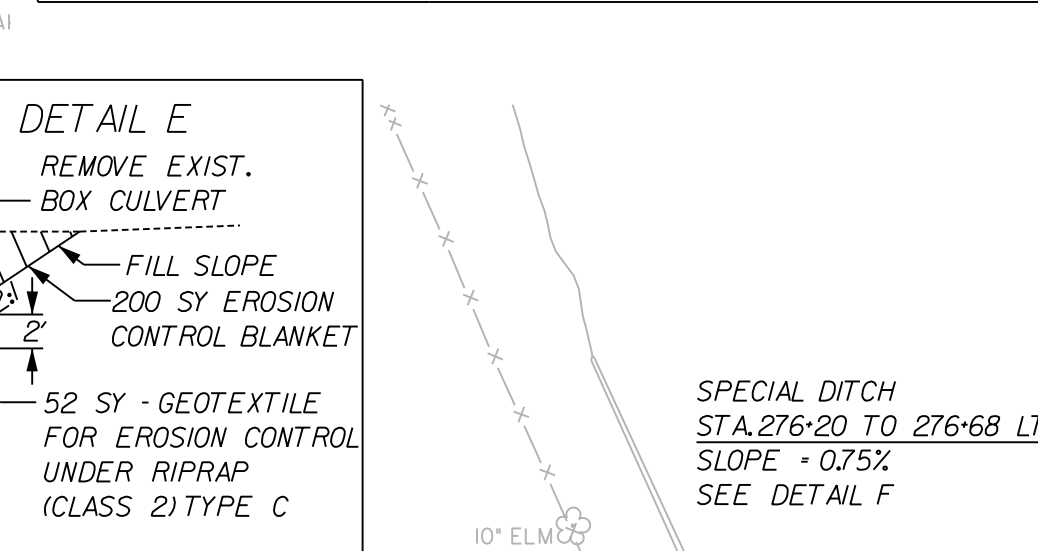
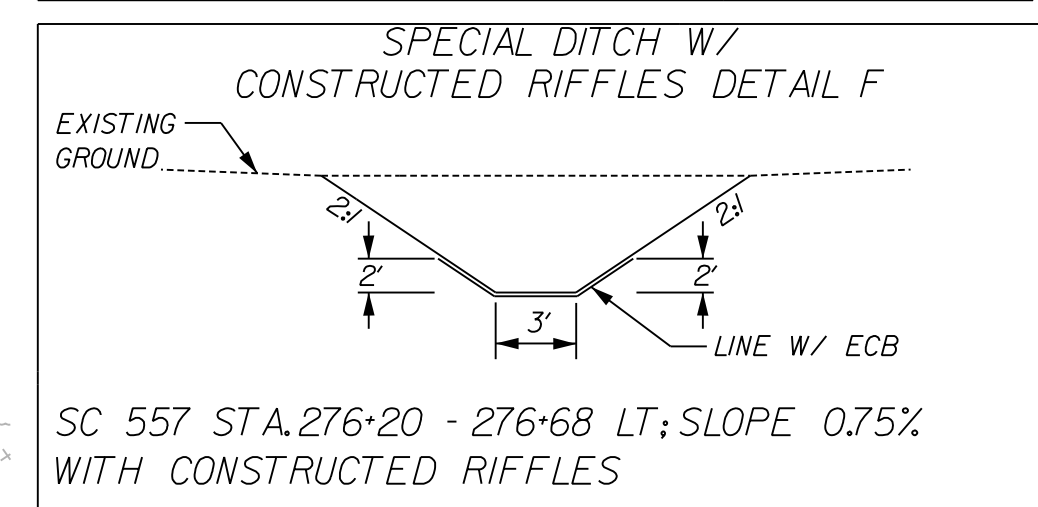
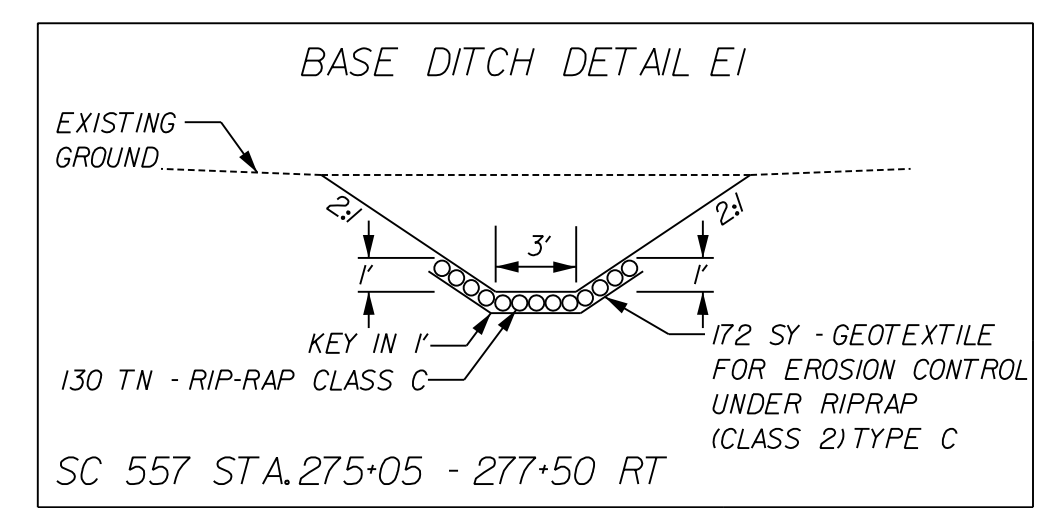
SCALE 1"=50' RTE. SC 557 DWG. NO.

SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 23635
DAVID P. BOCKER
7/27/2023

SOUTH CAROLINA PROFESSIONAL ENGINEER
No. C00957
NVS ENGINEERS & CONSULTANTS, INC.
7500 E. INDEPENDENCE BLVD, STE 100
CHARLOTTE, NC 28227
P: 704.537.7300 www.NVS.com
NC License # P-1333

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		Geometry		Upstream		Downstream		Fill Height		Min Field		Joint		Smooth Wall Options									
System ID	Link ID	Diameter (in)	No. of Barrels	Pipe Length (ft)	Slope (%)	Node	Node Description	Station	Link Invert (ft)	Node	Node Description	Station	Link Invert (ft)	Min (ft)	Max (ft)	SPT "N" below invert	Pressure (psi)	HDPE Type	Built P	Highest Class	Built P	SRAP Thickest Gage	Built P
C	NP-1001	18	1	146.00	0.57	CB-1002	C.B. TYPE 16	265+50.00	588.21	CB-1001	C.B. TYPE 16	264+00.00	587.37	2.29	2.29		10	S	P	III	P	16ga	P
H	NP-1002	18	1	126.00	0.58	CB-1003	C.B. TYPE 16	264+00.00	587.37	CB-0924	C.B. TYPE 16	262+70.00	586.63	2.29	2.29		10	S		III		16ga	
D	NP-1003	30	1	102.47	1.90	CB-1013	C.B. TYPE 16	269+10.00	587.42	CB-1004	C.B. TYPE 16	268+00.00	585.47	3.04	4.95		10	S		III		16ga	
D	NP-1004	30	1	34.00	0.33	CB-1004	C.B. TYPE 16	268+00.00	585.47	OP-1017	OP	268+00.00	585.36	1.00	4.95		10	S		III		NA	
D	NP-1005	18	1	140.82	1.33	CB-1006	C.B. TYPE 16	271+50.00	590.54	CB-1005	C.B. TYPE 16	270+00.00	588.67	2.29	6.83		10	S		III		16ga	
D	NP-1006	18	1	140.82	0.60	CB-1007	C.B. TYPE 16	273+00.00	591.38	CB-1006	C.B. TYPE 16	271+50.00	590.54	2.29	2.29		10	S		III		16ga	
E	NP-1007	24	1	9.04	0.70	J-1018	M.H.	276+68.00	584.50	OP-1016	OP	276+68.00	584.44	1.00	3.35		10	S		III		NA	
E	NP-1009	24	1	128.00	5.00	CB-1010	C.B. TYPE 16	278+00.00	600.35	CB-1009	C.B. TYPE 16	276+68.00	593.95	6.93	8.64		10	S		III		16ga	
E	NP-1010	18	1	68.00	0.30	CB-1012	C.B. TYPE 16	276+68.00	600.27	CB-1009	C.B. TYPE 16	276+68.00	600.07	2.29	3.03		10	S		III		16ga	
E	NP-1011	18	1	128.00	4.08	CB-1011	C.B. TYPE 16	278+00.00	605.50	CB-1012	C.B. TYPE 16	276+68.00	600.27	2.29	2.29		10	S		III		16ga	
D	NP-1012	30	1	82.94	0.30	CB-1005	C.B. TYPE 16	270+00.00	587.67	CB-1013	C.B. TYPE 16	269+10.00	587.42	3.04	6.75		10	S		III		16ga	
D	NP-1013	18	1	211.10	1.99	CB-1014	C.B. TYPE 16	275+20.00	595.59	CB-1007	C.B. TYPE 16	273+00.00	591.38	2.29	2.29		10	S		III		16ga	
C	NP-1014	18	1	146.00	0.56	CB-1015	C.B. TYPE 16	270+00.00	589.03	CB-1002	C.B. TYPE 16	265+50.00	588.21	2.29	2.29		10	S		III		16ga	
D	NP-1015	30	1	111.00	0.30	DN-1017	DUMMY JOINT	270+00.00	588.00	CB-1005	C.B. TYPE 16	270+00.00	587.67	1.00	6.75		10	S		III		NA	
E	NP-1016	24	1	31.17	30.00	CB-1009	C.B. TYPE 16	276+68.00	593.95	J-1018	M.H.	276+68.00	584.60	3.25	6.64		10	NA		NA		16ga	
OPEN	DP-1001	18	1	56.00	-	-	-	269+06.00	-	-	-	268+52.00	-	1.00	2.50		10	S		IV		NA	



REMOVAL OF EXISTING PAVEMENT

4				
3				
2				
1				
REV. NO.	BY	DATE	DATE	DESCRIPTION OF REVISION
TOPO.		DATE		
DWG.		DATE		SQUAD
RW		DATE		

YORK COUNTY
PENNIES FOR PROGRESS

SC 557
DRAINAGE PLAN
STA. 263+50 TO STA. 278+00

SCALE 1"=50' RTE. SC 557 DWG. NO.

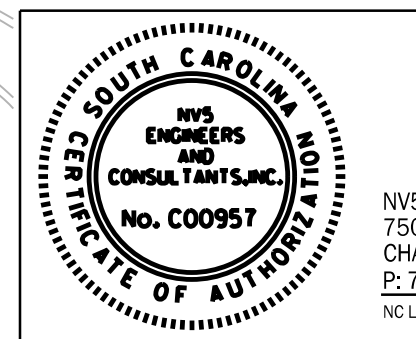
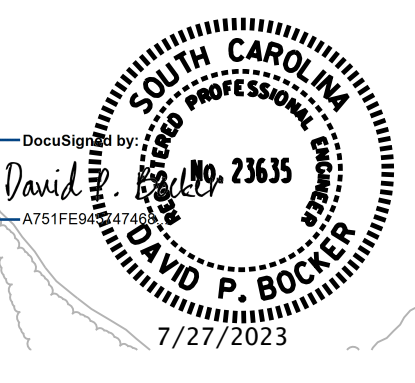
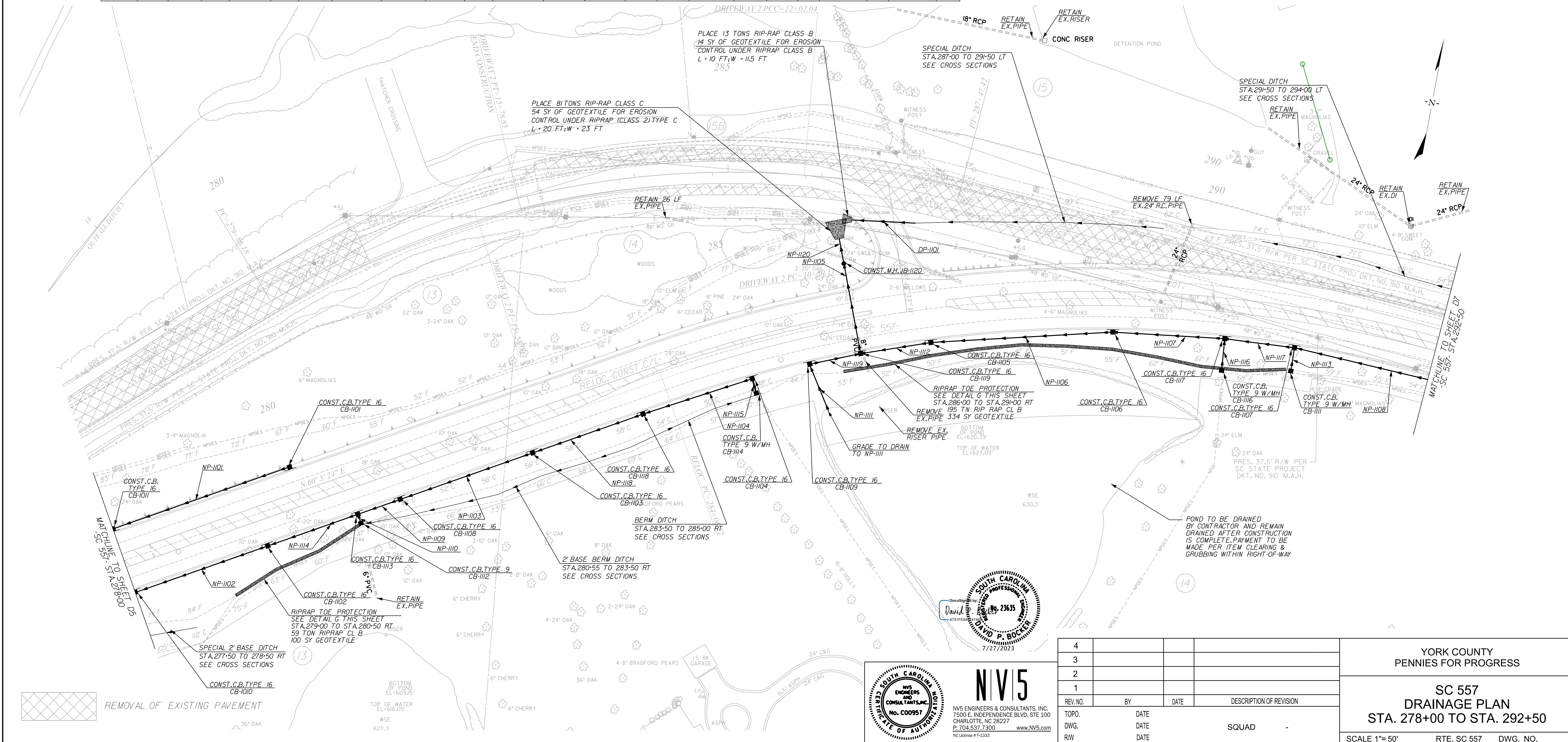
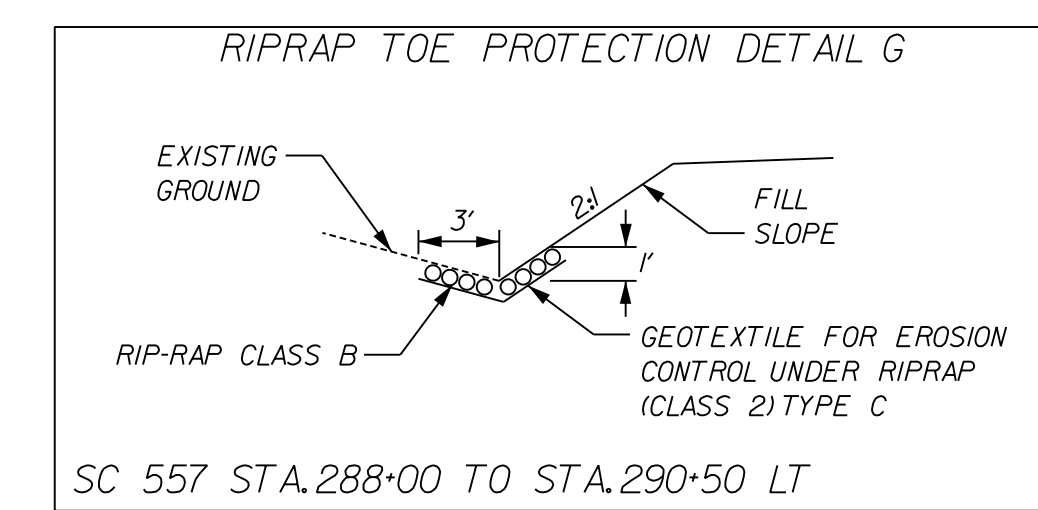
DAVID P. BOCKER
REGISTERED PROFESSIONAL ENGINEER
No. 23635
STATE OF SOUTH CAROLINA
7/27/2023

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FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-006	557	D6	

Smooth Wall Pipe																					
System ID	Link ID	Geometry			Upstream		Downstream		Fill Height		Min Field SPT "N" below invert	Joint Pressure	Smooth Wall Options								
		Diameter (in)	No. of Barrels	Pipe Length (ft)	Slope (%)	Node Description	Node Station	Node Link Invert	Node Description	Node Station			Node Link Invert	Min	Max	HDPE Type	Built P	RCP Highest Class	Built P	SRAP Thickest Gage	Built P
E	NP-1101	18	1	196.00	4.08	CB-1101	C.B. TYPE 16	280+00.00	613.49	CB-1011	C.B. TYPE 16	278+00.00	605.50	2.29	2.29	10	S	III	P	16ga	P
E	NP-1102	24	1	146.00	5.00	CB-1102	C.B. TYPE 16	279+50.00	607.65	CB-1010	C.B. TYPE 16	278+00.00	600.35	5.60	6.93	10	S	III		16ga	
E	NP-1103	18	1	146.00	3.82	CB-1103	C.B. TYPE 16	282+50.00	623.05	CB-1108	C.B. TYPE 16	281+00.00	617.48	2.29	2.29	10	S	III		16ga	
E	NP-1104	18	1	118.57	1.10	CB-1104	C.B. TYPE 16	285+00.00	627.43	CB-1118	C.B. TYPE 16	283+75.00	626.13	2.29	2.29	10	S	III		16ga	
F	NP-1105	36	1	94.17	1.81	CB-1119	C.B. TYPE 16	286+22.00	617.70	J-1120	M.H.	286+22.00	616.00	3.17	9.73	10	S	III		16ga	
F	NP-1106	36	1	190.70	0.30	CB-1106	C.B. TYPE 16	289+00.00	623.09	CB-1105	C.B. TYPE 16	287+00.00	622.52	6.87	9.73	10	S	III(B)		16ga	
F	NP-1107	36	1	115.80	0.30	CB-1117	C.B. TYPE 16	290+23.00	623.44	CB-1106	C.B. TYPE 16	289+00.00	623.09	7.48	7.86	10	S	III(B)		16ga	
F	NP-1108	24	1	206.25	3.00	CB-1201	C.B. TYPE 16	293+16.00	632.75	CB-1107	C.B. TYPE 16	291+00.00	626.57	3.73	6.27	10	S	III		16ga	
E	NP-1109	18	1	44.00	4.51	CB-1108	C.B. TYPE 16	281+00.00	617.48	CB-1113	C.B. TYPE 16	280+52.00	615.49	2.29	2.36	10	S	III		16ga	
E	NP-1110	24	1	6.00	8.47	CB-1112	C.B. TYPE 9 W/MH	280+52.00	615.50	CB-1113	C.B. TYPE 16	280+52.00	614.99	2.00	2.32	10	S	III		16ga	
F	NP-1111	30	1	51.72	1.35	DN-1110	DUMMY JOINT	285+74.00	620.00	CB-1109	C.B. TYPE 16	285+65.00	619.30	1.00	9.28	10	S	IV		NA	
F	NP-1112	36	1	71.99	4.62	CB-1105	C.B. TYPE 16	287+00.00	622.52	CB-1119	C.B. TYPE 16	286+22.00	619.19	6.87	9.73	10	S	III(B)		16ga	
F	NP-1113	18	1	21.00	5.00	CB-1111	C.B. TYPE 9 W/MH	291+00.00	628.37	CB-1107	C.B. TYPE 16	291+00.00	627.32	2.00	6.33	10	S	IV		NA	
E	NP-1114	24	1	98.00	4.07	CB-1113	C.B. TYPE 16	280+52.00	614.99	CB-1102	C.B. TYPE 16	279+50.00	611.00	2.25	2.32	10	S	III		16ga	
E	NP-1115	18	1	12.00	5.00	CB-1114	C.B. TYPE 9 W/MH	285+00.00	628.03	CB-1104	C.B. TYPE 16	285+00.00	627.43	2.31	3.28	10	S	III		NA	
F	NP-1116	18	1	30.00	0.30	CB-1116	C.B. TYPE 9 W/MH	290+23.00	625.03	CB-1117	C.B. TYPE 16	290+23.00	624.94	2.00	8.00	10	S	IV		NA	
F	NP-1117	30	1	71.01	3.00	CB-1107	C.B. TYPE 16	291+00.00	626.07	CB-1117	C.B. TYPE 16	290+23.00	623.94	6.22	7.90	10	S	III		16ga	
E	NP-1118	18	1	121.00	2.54	CB-1118	C.B. TYPE 16	283+75.00	626.13	CB-1103	C.B. TYPE 16	282+50.00	623.05	2.29	2.29	10	S	III		16ga	
F	NP-1119	30	1	51.53	1.75	CB-1109	C.B. TYPE 16	285+65.00	619.20	CB-1119	C.B. TYPE 16	286+22.00	618.30	9.28	9.78	10	S	III		16ga	
F	NP-1120	36	1	25.17	0.50	J-1120	M.H.	286+22.00	611.73	OP-1115	OP	286+22.00	611.60	1.00	9.04	10	S	IV		NA	
OPEN	DP-1101	18	1	68.00	-	-	-	287+00.00	-	-	-	286+38.00	-	1.00	23.00	10	NA	IV		NA	



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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

YORK COUNTY
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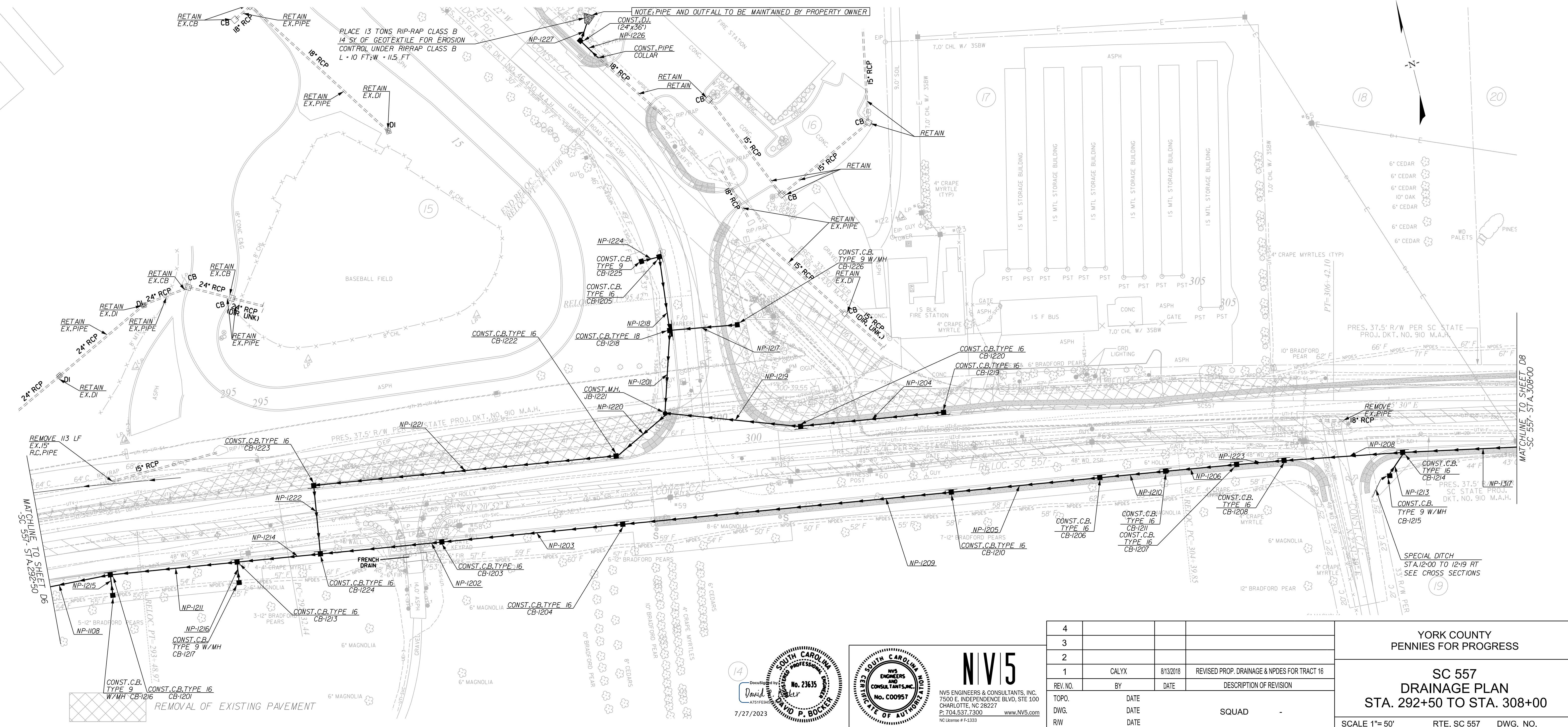
SC 557
 DRAINAGE PLAN
 STA. 278+00 TO STA. 292+50

SCALE 1"=50' RTE. SC 557 DWG. NO.

7/27/2023
 default
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			Geometry		Upstream				Downstream				Fill Height		Min Field	Joint	Smooth Wall Options							
System ID	Link ID	Diameter (in)	No. of Barrels	Pipe Length (ft)	Slope (%)	Node	Node Description	Node Station	Link Invert (ft)	Node	Node Description	Node Station	Link Invert (ft)	Min (ft)	Max (ft)	SPT "N" below invert	Pressure (psi)	HDPE Type	Built P	RCP Highest Class	Built P	SRAP Thickest Gage	Built P	
F	NP-1201	18	1	83.19	0.53	CB-1218	C.B. TYPE 18	11+61.00	653.06	J-1221	M.H.	10+75.00	652.62	3.10	4.59		10	S		III			16ga	P
F	NP-1202	24	1	123.50	3.69	CB-1203	C.B. TYPE 16	296+65.00	645.36	CB-1224	C.B. TYPE 16	295+37.50	640.80	2.25	3.10		10	S		III			16ga	P
F	NP-1203	24	1	186.00	3.48	CB-1204	C.B. TYPE 16	298+55.00	651.83	CB-1203	C.B. TYPE 16	296+65.00	645.36	2.25	2.25		10	S		III			16ga	P
F	NP-1204	18	1	146.15	0.61	CB-1219	C.B. TYPE 16	302+00.15	660.16	CB-1220	C.B. TYPE 16	300+50.00	659.27	2.25	4.83		10	S		III			16ga	P
F	NP-1205	24	1	152.00	0.30	CB-1206	C.B. TYPE 16	303+56.00	657.72	CB-1210	C.B. TYPE 16	302+00.00	657.26	4.21	4.65		10	S		III			16ga	P
F	NP-1206	24	1	70.64	0.30	CB-1207	C.B. TYPE 16	305+00.00	658.12	CB-1211	C.B. TYPE 16	304+25.00	657.91	4.93	5.22		10	S		III			16ga	P
F	NP-1208	18	1	120.25	0.30	CB-1214	C.B. TYPE 16	306+75.00	659.12	CB-1208	C.B. TYPE 16	305+50.00	658.76	5.22	5.63		10	S		III			16ga	P
F	NP-1209	24	1	341.00	1.59	CB-1210	C.B. TYPE 16	302+00.00	657.26	CB-1204	C.B. TYPE 16	298+55.00	651.83	4.21	4.83		10	S		III			16ga	P
F	NP-1210	24	1	65.00	0.30	CB-1211	C.B. TYPE 16	304+25.00	657.91	CB-1206	C.B. TYPE 16	303+56.00	657.72	4.65	4.93		10	S		III			16ga	P
F	NP-1211	24	1	129.15	3.00	CB-1213	C.B. TYPE 16	294+50.00	636.63	CB-1201	C.B. TYPE 16	293+16.00	632.75	3.73	4.59		10	S		III			16ga	P
F	NP-1213	18	1	24.53	5.00	CB-1215	C.B. TYPE 9 W/MH	306+60.00	660.35	CB-1214	C.B. TYPE 16	306+75.00	659.12	2.00	3.32		10	S		IV			NA	P
F	NP-1214	24	1	83.50	5.00	CB-1224	C.B. TYPE 16	295+37.50	640.80	CB-1213	C.B. TYPE 16	294+50.00	636.63	5.63	5.67		10	S		III			16ga	P
F	NP-1215	18	1	17.50	3.89	CB-1216	C.B. TYPE 9 W/MH	293+16.00	633.94	CB-1201	C.B. TYPE 16	293+16.00	633.25	2.00	3.79		10	S		IV			NA	P
F	NP-1216	18	1	17.50	0.30	CB-1217	C.B. TYPE 9 W/MH	294+50.00	637.43	CB-1213	C.B. TYPE 16	294+50.00	637.38	2.89	4.65		10	S		III			16ga	P
F	NP-1217	18	1	67.01	5.00	CB-1226	C.B. TYPE 9 W/MH	11+60.00	656.41	CB-1218	C.B. TYPE 18	11+61.00	653.06	2.00	3.53		10	S		IV			NA	P
F	NP-1218	18	1	73.71	0.50	CB-1205	C.B. TYPE 16	12+43.00	653.43	CB-1218	C.B. TYPE 18	11+61.00	653.06	3.53	4.22		10	S		III			16ga	P
F	NP-1219	18	1	138.39	4.81	CB-1220	C.B. TYPE 16	300+50.00	659.27	J-1221	M.H.	10+75.00	652.62	3.40	3.94		10	S		III			16ga	P
F	NP-1220	18	1	65.09	0.50	J-1221	M.H.	10+75.00	652.62	CB-1222	C.B. TYPE 16	298+55.00	652.29	3.82	3.94		10	S		III			16ga	P
F	NP-1221	18	1	313.50	2.54	CB-1222	C.B. TYPE 16	298+55.00	651.21	CB-1223	C.B. TYPE 16	295+37.50	643.24	2.29	3.82		10	S		III			16ga	P
F	NP-1222	18	1	67.00	2.89	CB-1223	C.B. TYPE 16	295+37.50	643.24	CB-1224	C.B. TYPE 16	295+37.50	641.30	2.29	2.50		10	S		III			16ga	P
F	NP-1223	24	1	45.70	0.30	CB-1208	C.B. TYPE 16	305+50.00	658.26	CB-1207	C.B. TYPE 16	305+00.00	658.12	5.16	5.30		10	S		III			16ga	P
F	NP-1224	18	1	15.00	0.30	CB-1225	C.B. TYPE 9 W/MH	12+43.00	653.47	CB-1205	C.B. TYPE 16	12+43.00	653.43	2.00	4.22		10	S		IV			16ga	P
H	NP-1226	18	1	24.10	0.52	DN-1228	DUMMY JOINT	14+53.90	657.19	DI-1229	DI 24"x36"	14+80.00	657.07	1.00	1.00		10	S		IV			NA	P
H	NP-1227	18	1	16.92	0.38	DI-1229	DI 24"x36"	14+80.00	657.07	OP-1230	OP	14+87.00	657.00	1.00	1.00		10	S		IV			NA	P

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-008	557	D7	



REV. NO.	DATE	DESCRIPTION OF REVISION	
1	CALYX	8/13/2018	REVISED PROP. DRAINAGE & NPDES FOR TRACT 16
2			
3			
4			

YORK COUNTY
PENNIES FOR PROGRESS

SC 557
DRAINAGE PLAN
STA. 292+50 TO STA. 308+00

SCALE 1"=50' RTE. SC 557 DWG. NO.

14

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David [Signature]

7/27/2023

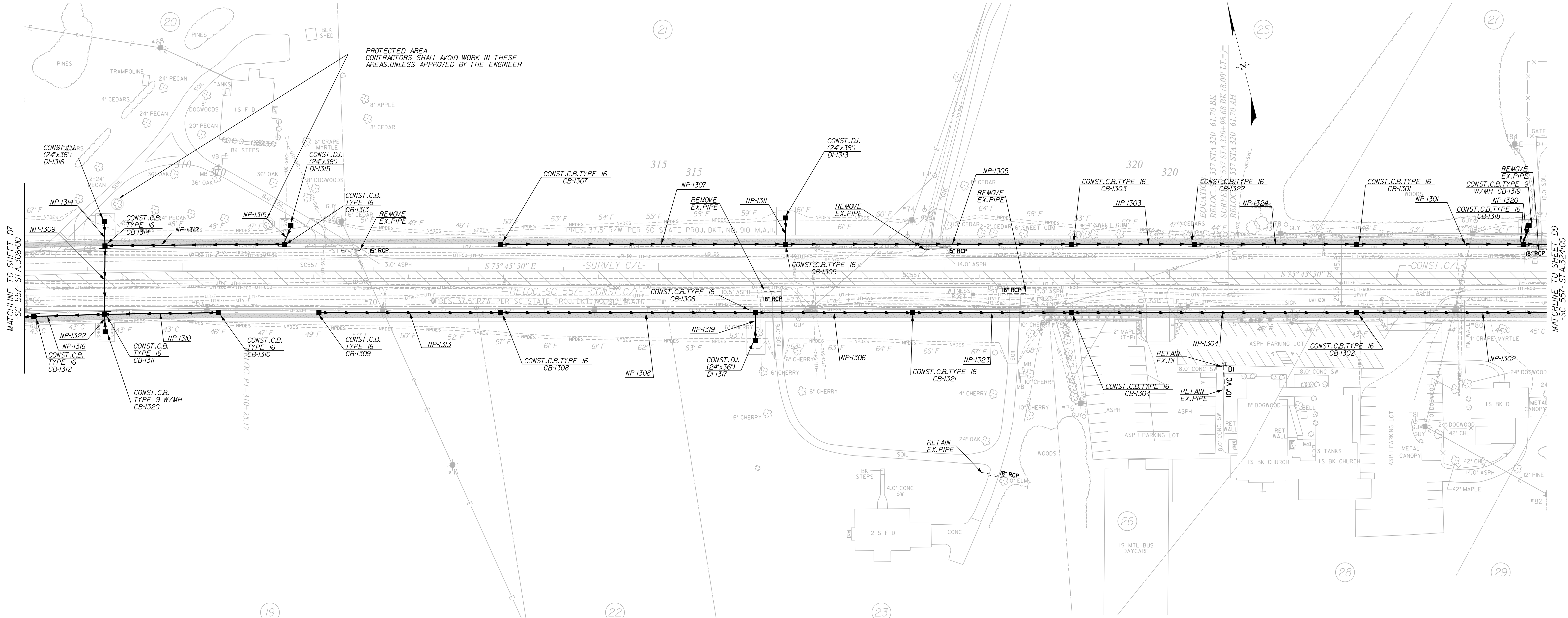
SOUTH CAROLINA
Professional Engineer
No. 23635
V. P. BOKER

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System ID	Link ID	Geometry		Smooth Wall Pipe										Smooth Wall Options						
		Diameter (in)	No. of Barrels	Pipe Length (ft)	Slope (%)	Upstream			Downstream			Fill Height		Min Field SPT "N" (psf)	Joint Pressure (psf)	HDPE Type	Built P	Smooth Wall Options		
						Node Description	Node Station	Link Invert (ft)	Node Description	Node Station	Link Invert (ft)	Min (ft)	Max (ft)					RCP Highest Class	Built P	SRAP Thickest Gage	Built P
G	NP-1301	18	1	171.00	2.73	CB-1301	C.B. TYPE 16 321+96.63	646.32	CB-1318	C.B. TYPE 16 323+71.63	641.64	2.29	4.13	below invert	10	S	III	16ga	III	16ga
G	NP-1302	18	1	261.00	1.62	CB-1302	C.B. TYPE 16 321+96.63	646.32	CB-1407	C.B. TYPE 16 324+61.63	642.09	2.29	2.29		10	S	III	16ga	III	16ga
G	NP-1303	18	1	125.37	1.72	CB-1303	C.B. TYPE 16 318+96.63	650.65	CB-1322	C.B. TYPE 16 320+26.00	648.50	2.29	2.29		10	S	III	16ga	III	16ga
G	NP-1304	18	1	296.00	1.46	CB-1304	C.B. TYPE 16 318+96.63	650.65	CB-1302	C.B. TYPE 16 321+96.63	646.32	2.29	2.29		10	S	III	16ga	III	16ga
G	NP-1305	18	1	296.00	0.56	CB-1305	C.B. TYPE 16 315+96.63	652.31	CB-1303	C.B. TYPE 16 318+96.63	650.65	2.29	4.28		10	S	III	16ga	III	16ga
G	NP-1306	18	1	161.37	0.51	CB-1306	C.B. TYPE 16 315+64.63	652.32	CB-1321	C.B. TYPE 16 317+30.00	651.50	2.29	4.65		10	S	III	16ga	III	16ga
G	NP-1307	18	1	296.00	1.86	CB-1307	C.B. TYPE 16 312+96.63	657.83	CB-1305	C.B. TYPE 16 315+96.63	652.31	2.29	4.28		10	S	III	16ga	III	16ga
G	NP-1308	18	1	264.00	2.09	CB-1308	C.B. TYPE 16 312+96.63	657.83	CB-1306	C.B. TYPE 16 315+64.63	652.32	2.29	4.86		10	S	III	16ga	III	16ga
F	NP-1309	18	1	68.03	0.30	CB-1314	C.B. TYPE 16 308+82.00	659.91	CB-1311	C.B. TYPE 16 308+80.00	659.71	4.57	6.02		10	S	III	16ga	III	16ga
F	NP-1310	18	1	115.28	1.35	CB-1310	C.B. TYPE 16 310+00.00	661.27	CB-1311	C.B. TYPE 16 308+80.00	659.71	2.29	3.57		10	S	III	16ga	III	16ga
G	NP-1311	18	1	23.50	0.30	DI-1313	D.I. 24"x36" 315+96.63	652.38	CB-1305	C.B. TYPE 16 315+96.63	652.31	1.31	4.30		10	S	IV	NA	III	16ga
F	NP-1312	18	1	184.49	0.30	CB-1313	C.B. TYPE 16 310+69.63	660.47	CB-1314	C.B. TYPE 16 308+82.00	659.91	3.34	4.57		10	S	III	16ga	III	16ga
G	NP-1313	18	1	186.63	1.19	CB-1309	C.B. TYPE 16 311+06.00	660.05	CB-1308	C.B. TYPE 16 312+96.63	657.83	2.29	2.29		10	S	III	16ga	III	16ga
F	NP-1314	18	1	21.50	5.00	DI-1316	D.I. 24"x36" 308+82.00	660.99	CB-1308	C.B. TYPE 16 308+82.00	659.91	1.31	2.94		10	S	IV	NA	III	16ga
F	NP-1315	18	1	16.95	0.31	DI-1315	D.I. 24"x36" 310+76.50	660.52	CB-1313	C.B. TYPE 16 310+69.63	660.47	1.31	2.31		10	S	IV	NA	III	16ga
F	NP-1316	18	1	70.55	0.30	CB-1311	C.B. TYPE 16 308+80.00	659.71	CB-1312	C.B. TYPE 16 308+05.00	659.50	3.57	4.08		10	S	III	16ga	III	16ga
F	NP-1317	18	1	125.22	0.30	CB-1312	C.B. TYPE 16 308+05.00	659.50	CB-1214	C.B. TYPE 16 306+75.00	659.12	4.08	5.63		10	S	III	16ga	III	16ga
G	NP-1319	18	1	25.50	0.30	DI-1317	D.I. 24"x36" 315+64.63	652.40	CB-1306	C.B. TYPE 16 315+64.63	652.32	1.31	4.67		10	S	IV	NA	III	16ga
G	NP-1320	18	1	16.62	0.30	CB-1319	C.B. TYPE 9 W/MH 323+77.63	641.69	CB-1318	C.B. TYPE 16 323+71.63	641.64	2.00	4.15		10	S	IV	NA	III	16ga
G	NP-1321	24	1	86.00	0.30	CB-1318	C.B. TYPE 16 323+71.63	641.14	CB-1406	C.B. TYPE 16 324+61.63	640.89	2.90	4.09		10	S	III	16ga	III	16ga
F	NP-1322	18	1	14.50	5.00	CB-1320	C.B. TYPE 9 W/MH 308+80.00	660.43	CB-1311	C.B. TYPE 16 308+80.00	659.71	2.29	3.57		10	S	III	16ga	III	16ga
G	NP-1323	18	1	162.63	0.52	CB-1321	C.B. TYPE 16 317+30.00	651.50	CB-1304	C.B. TYPE 16 318+96.63	650.65	2.29	4.65		10	S	III	16ga	III	16ga
G	NP-1324	18	1	166.63	1.31	CB-1322	C.B. TYPE 16 320+26.00	648.50	CB-1301	C.B. TYPE 16 321+96.63	646.32	2.29	2.29		10	S	III	16ga	III	16ga

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-008	557	D8	



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7/27/2023

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

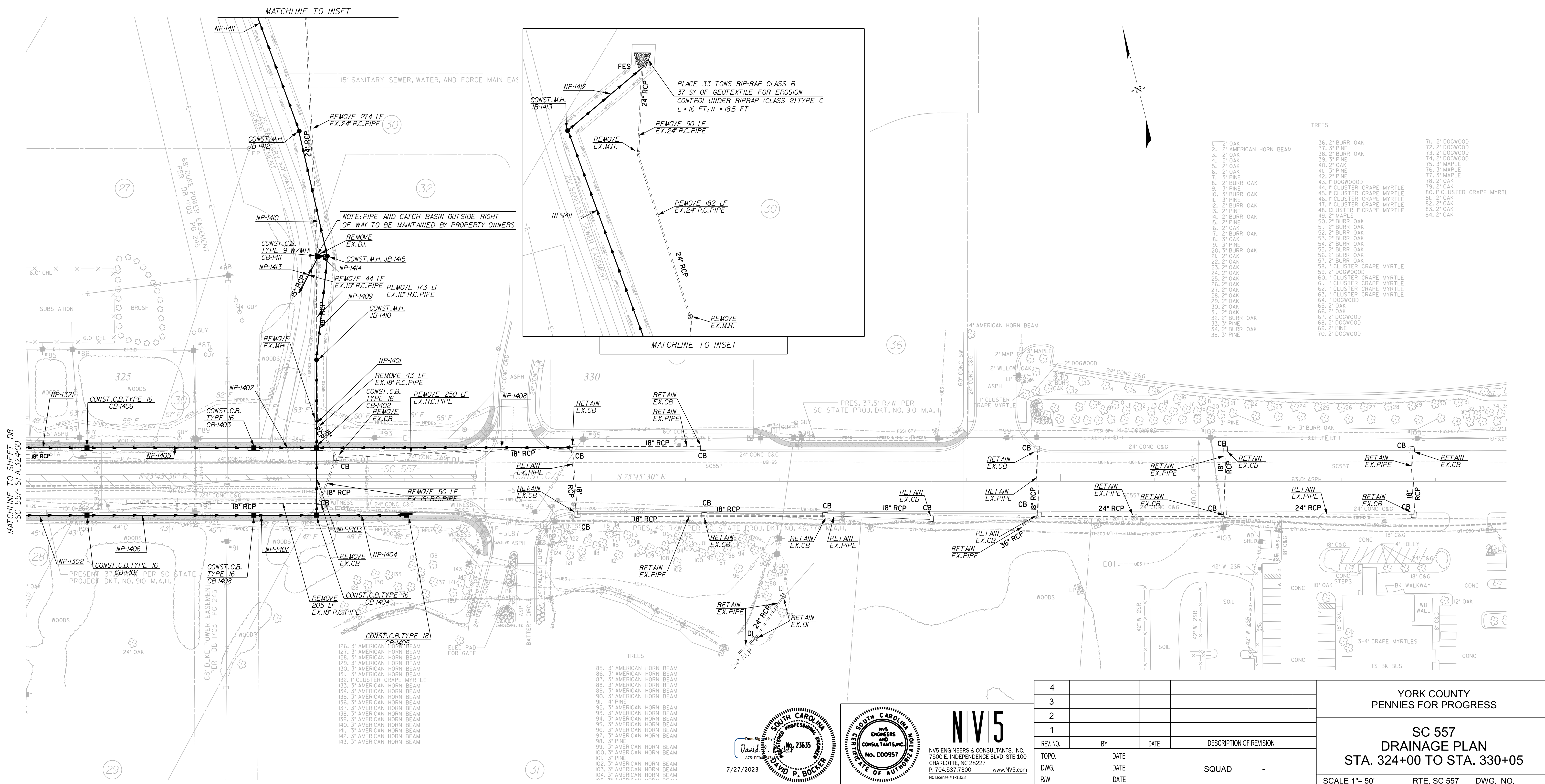
YORK COUNTY
PENNIES FOR PROGRESS

SC 557
DRAINAGE PLAN
STA. 308+00 TO STA. 324+00

SCALE 1"= 50' RTE. SC 557 DWG. NO.

		Geometry			Upstream			Downstream			Fill Height		Min Field	Joint	Smooth Wall Options								
System ID	Link ID	Diameter (in)	No. of Barrels	Pipe Length (ft)	Slope (%)	Node	Node Description	Node Station	Link Invert (ft)	Node	Node Description	Node Station	Link Invert (ft)	Min (ft)	Max (ft)	SPT "N" below invert	Pressure (psi)	HDPE Type	Built P	RCP Highest Class	Built P	SRAP Thickest Gage	Built P
G	NP-1401	24	1	90.17	5.00	CB-1402	C.B. TYPE 16	327+06.63	630.91	J-1410	M.H.	327+06.50	626.40	3.25	10.47		10	S	P	III	P	16ga	P
G	NP-1402	24	1	63.00	1.70	CB-1403	C.B. TYPE 16	326+39.63	639.37	CB-1402	C.B. TYPE 16	327+06.63	638.30	2.25	3.02		10	S		III		16ga	
G	NP-1403	24	1	68.00	0.30	CB-1404	C.B. TYPE 16	327+06.63	636.39	CB-1402	C.B. TYPE 16	327+06.63	636.18	3.89	5.13		10	S		III		16ga	
G	NP-1404	18	1	91.56	0.30	CB-1405	C.B. TYPE 18	328+02.19	637.16	CB-1404	C.B. TYPE 16	327+06.63	636.89	3.29	3.93		10	S		III		16ga	
G	NP-1405	24	1	174.00	0.87	CB-1406	C.B. TYPE 16	324+61.63	640.89	CB-1403	C.B. TYPE 16	326+39.63	639.37	2.25	2.90		10	S		III		16ga	
G	NP-1406	18	1	174.00	1.62	CB-1407	C.B. TYPE 16	324+61.63	642.09	CB-1408	C.B. TYPE 16	326+39.63	639.28	2.29	2.29		10	S		III		16ga	
G	NP-1407	18	1	63.00	3.80	CB-1408	C.B. TYPE 16	326+39.63	639.28	CB-1404	C.B. TYPE 16	327+06.63	636.89	2.29	3.93		10	S		III		16ga	
G	NP-1408	18	1	268.01	0.30	CB-1409	C.B. TYPE 16	329+78.63	639.60	CB-1402	C.B. TYPE 16	327+06.63	638.80	1.29	3.06		10	S		IV		NA	
G	NP-1409	24	1	107.45	3.63	J-1410	M.H.	327+06.50	626.40	J-1415	M.H.	327+18.00	622.50	1.25	3.25		10	S		IV		NA	
G	NP-1410	30	1	133.25	0.50	J-1415	M.H.	327+18.00	622.00	J-1412	M.H.	326+88.00	621.33	1.21	6.47		10	S		IV		NA	
G	NP-1411	30	1	359.75	0.30	J-1412	M.H.	326+88.00	621.33	J-1413	M.H.	325+63.00	620.25	3.21	6.47		10	S		III		16ga	
G	NP-1412	30	1	102.67	0.50	J-1413	M.H.	325+63.00	614.51	OP-1414	OP	326+46.00	614.00	1.00	11.39		10	S		IV		NA	
G	NP-1413	18	1	42.50	5.00	EX-1415	DUMMY JOINT	326+87.63	628.85	CB-1411	C.B. TYPE 9 W/MH	327+07.63	626.73	1.00	1.29		10	S		IV		NA	
G	NP-1414	18	1	6.53	5.00	CB-1411	C.B. TYPE 9 W/MH	327+07.63	623.33	J-1415	M.H.	327+18.00	623.00	3.30	4.34		10	S		III		16ga	

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-004	557	D9	



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DAVID P. BOCKER
 No. 23635
 7/27/2023

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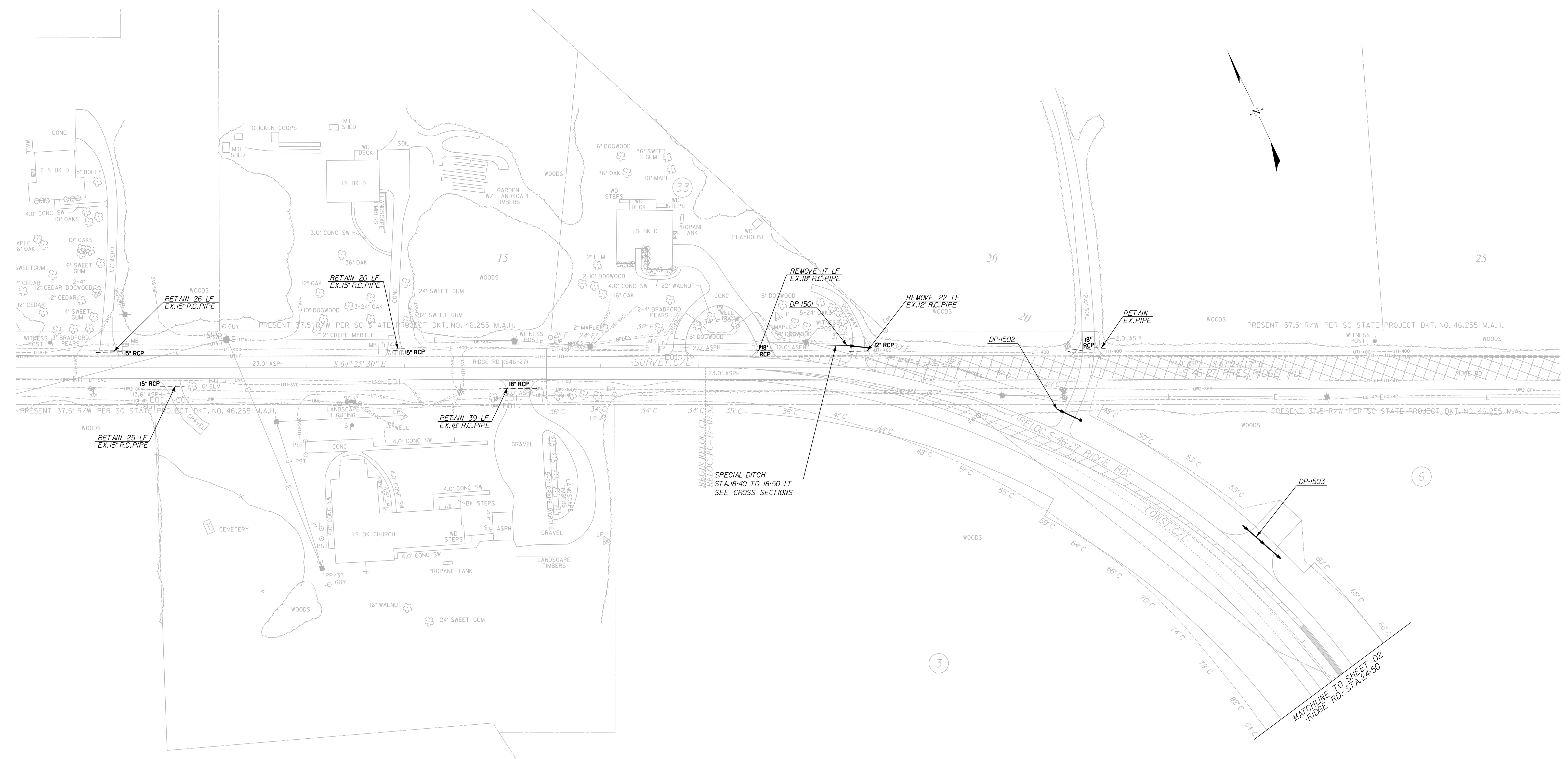
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
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YORK COUNTY
 PENNIES FOR PROGRESS

SC 557
 DRAINAGE PLAN
 STA. 324+00 TO STA. 330+05

SCALE 1"=50' RTE. SC 557 DWG. NO.

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-008	557	D10	



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		Geometry			Upstream				Downstream				Fill Height		Min Field	Joint	Smooth Wall Options						
System ID	Link ID	Diameter (in)	No. of Barrels	Pipe Length (ft)	Slope (%)	Node	Node Description	Node Station	Link Invert (ft)	Node	Node Description	Node Station	Link Invert (ft)	Min (ft)	Max (ft)	SPT "N" below invert	Pressure (psi)	HDPE Type	Built P	RCP Highest Class	Built P	SRAP Thickest Gage	Built P
OPEN	DP-1501	18	1	24.00	-	-	-	18+46.00	-	-	-	18+70.00	-	1.00	1.00		10	S		IV		NA	
OPEN	DP-1502	18	1	28.00	-	-	-	20+61.00	-	-	-	20+89.00	-	1.00	1.17		10	S		IV		NA	
OPEN	DP-1503	18	1	52.00	-	-	-	22+74.00	-	-	-	23+26.00	-	1.00	2.54		10	S		IV		NA	

REMOVAL OF EXISTING PAVEMENT

7/27/2023
 SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
 No. 23635
 DAVID P. BOCKER

NVIS
 NVS ENGINEERS & CONSULTANTS, INC.
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REV. NO.	BY	DATE	DATE	DESCRIPTION OF REVISION
TOPO.		DATE		
DWG.		DATE		
R/W		DATE		

YORK COUNTY
 PENNIES FOR PROGRESS

**RIDGE RD.
 DRAINAGE PLAN
 STA. 15+45 TO STA. 24+50**

SCALE 1"=50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC1	

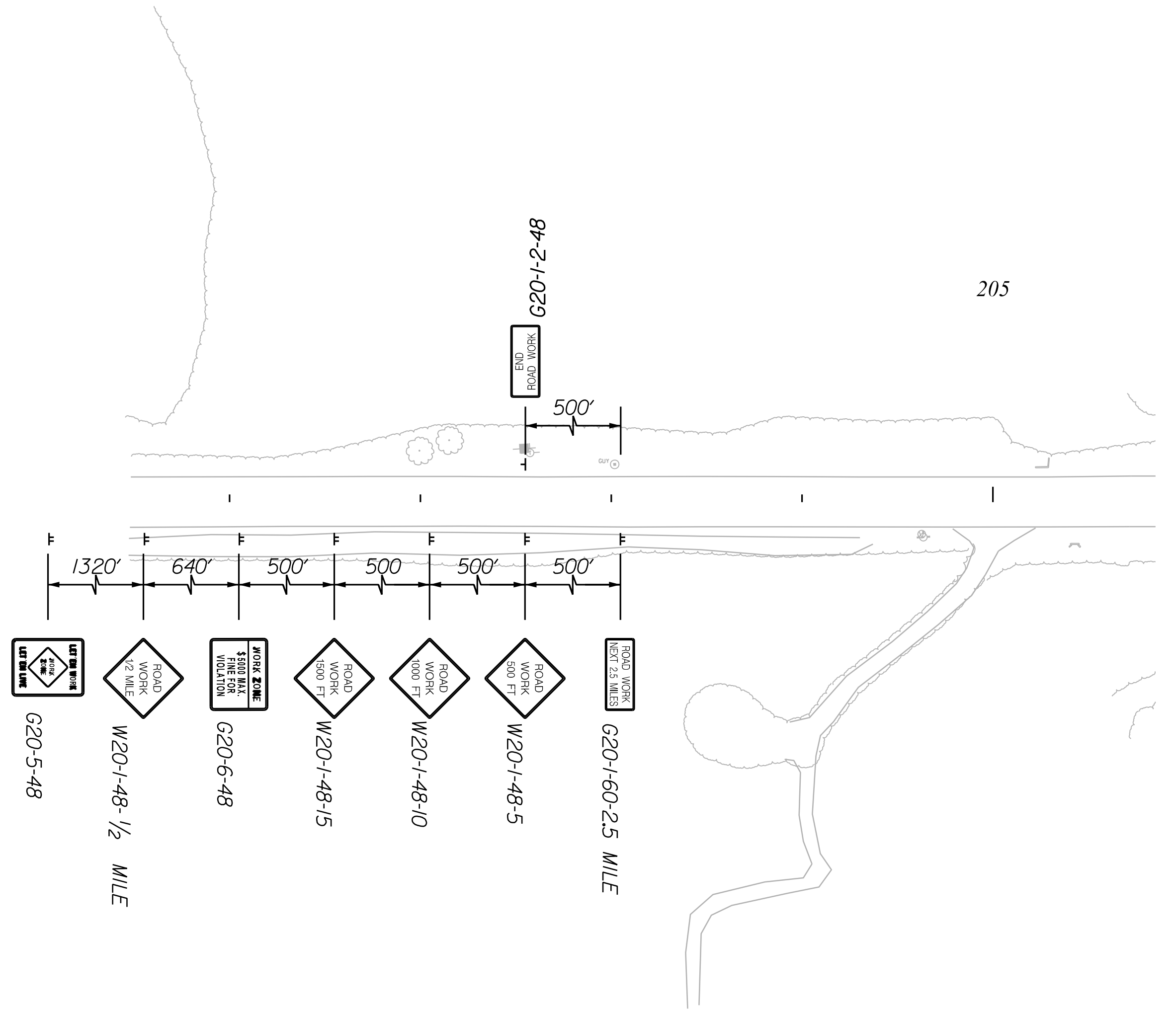
LIST OF STANDARDS

STD. 601-005-00
 STD. 601-015-00
 STD. 601-205-01
 STD. 602-005-00
 STD. 604-005-00
 STD. 605-005-01
 STD. 605-010-01
 STD. 605-025-01
 STD. 605-025-03
 STD. 605-030-01
 STD. 605-030-02
 STD. 605-035-01
 STD. 610-005-00
 STD. 610-205-00
 STD. 610-510-00
 STD. 610-610-00
 STD. 630-105-00
 STD. 630-205-00

FLAGGING OPERATIONS SHALL CONFORM TO
 THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL
 DEVICES (MUTCD) AND THE 2021
 SOUTH CAROLINA FLAGGER'S HANDBOOK

TEMPORARY PAVEMENT SCHEDULE

1	●	HOT MIX ASPHALT SURFACE COURSE TYPE B (200 LBS./S.Y.)
2	▨	HOT MIX ASPHALT INTERMEDIATE COURSE TYPE B (200 LBS./S.Y.)
3	○	HOT MIX ASPHALT BASE COURSE TYPE A (400 LBS./S.Y.)



NOTE:
 NO ROAD CLOSURES DURING PHASE 1 CONSTRUCTION.
 TRAFFIC REMAINS ON EXISTING TRAVEL WAY.

10/14/2022
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	SQUAD
R/W		DATE	

YORK COUNTY
 PENNIES FOR PROGRESS

**TRAFFIC CONTROL PLAN
 STANDARDS &
 STAGE 1 PERMANENT
 CONSTRUCTION SIGNING**

SCALE 1"= N/A RTE. SC 557 DWG. NO.

7/27/2023

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC2	

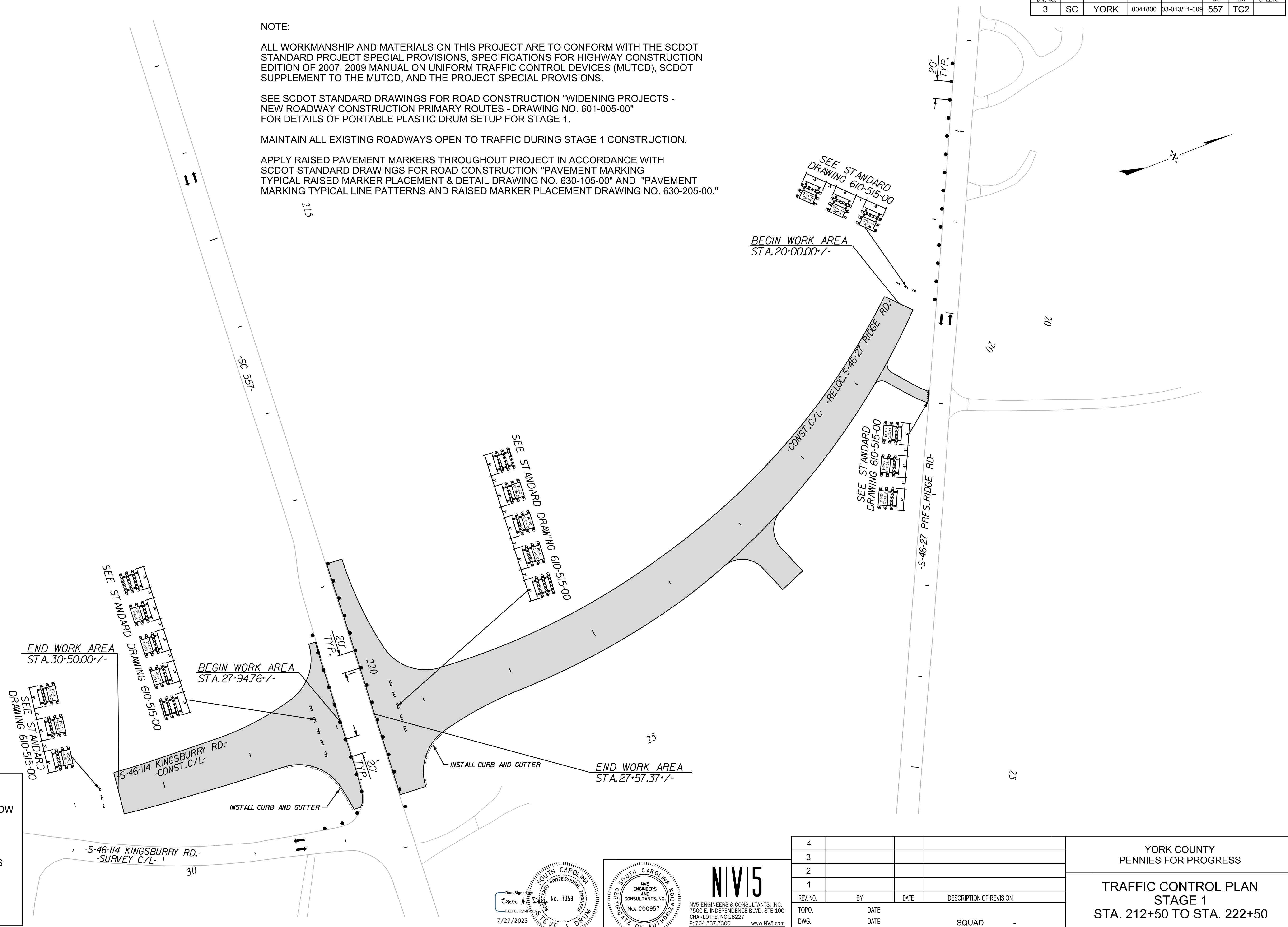
NOTE:

ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 1.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 1 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



LEGEND

	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

4				
3				
2				
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REV. NO.	BY	DATE	DATE	DESCRIPTION OF REVISION

YORK COUNTY PENNIES FOR PROGRESS	
TRAFFIC CONTROL PLAN STAGE 1 STA. 212+50 TO STA. 222+50	
SCALE 1"= 50'	RTE. SC 557 DWG. NO.

DocuSign
Steve A. Drum
No. 17359
7/27/2023

REGISTERED PROFESSIONAL ENGINEER
STEVE A. DRUM

NVS ENGINEERS & CONSULTANTS, INC.
No. C00957

NV15
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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC3	

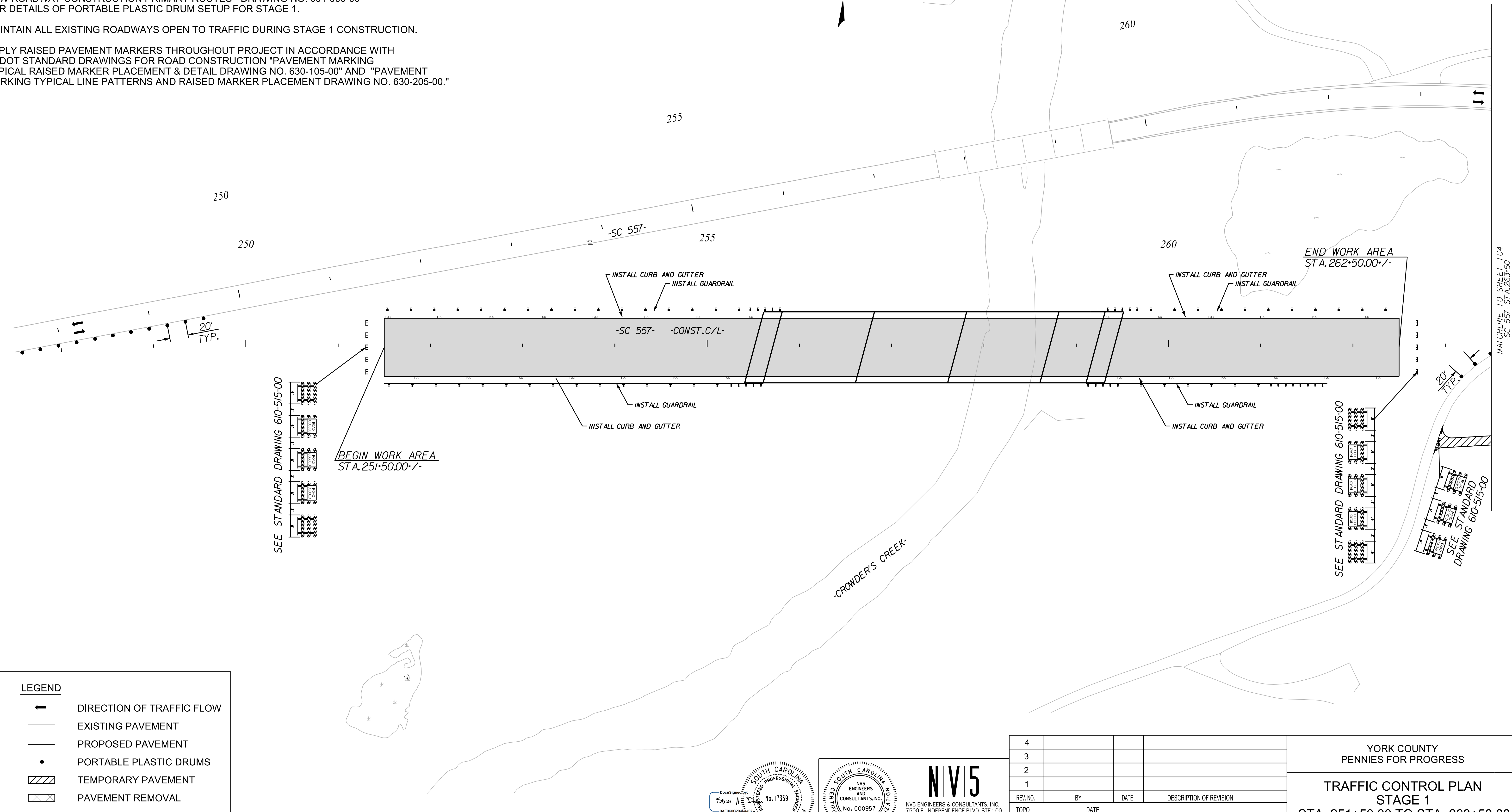
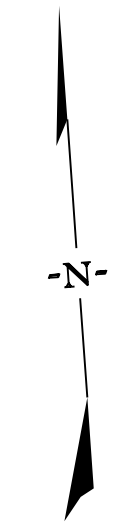
NOTE:

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SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 1.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 1 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



SEE STANDARD DRAWING 610-515-00

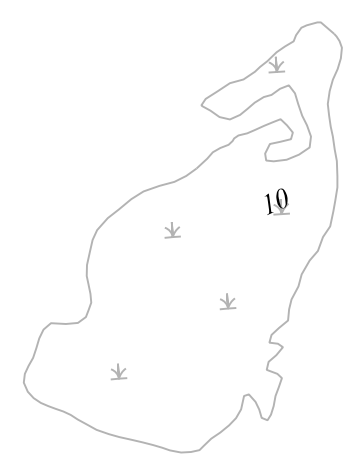
SEE STANDARD DRAWING 610-515-00

BEGIN WORK AREA
STA. 251+50.00 +/-

END WORK AREA
STA. 262+50.00 +/-

SEE STANDARD DRAWING 610-515-00

LEGEND	
	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA



7/27/2023

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

YORK COUNTY
PENNIES FOR PROGRESS

**TRAFFIC CONTROL PLAN
STAGE 1**

STA. 251+50.00 TO STA. 263+50.00

SCALE 1"= 50' RTE. SC 557 DWG. NO.

10/14/2022
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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC4	

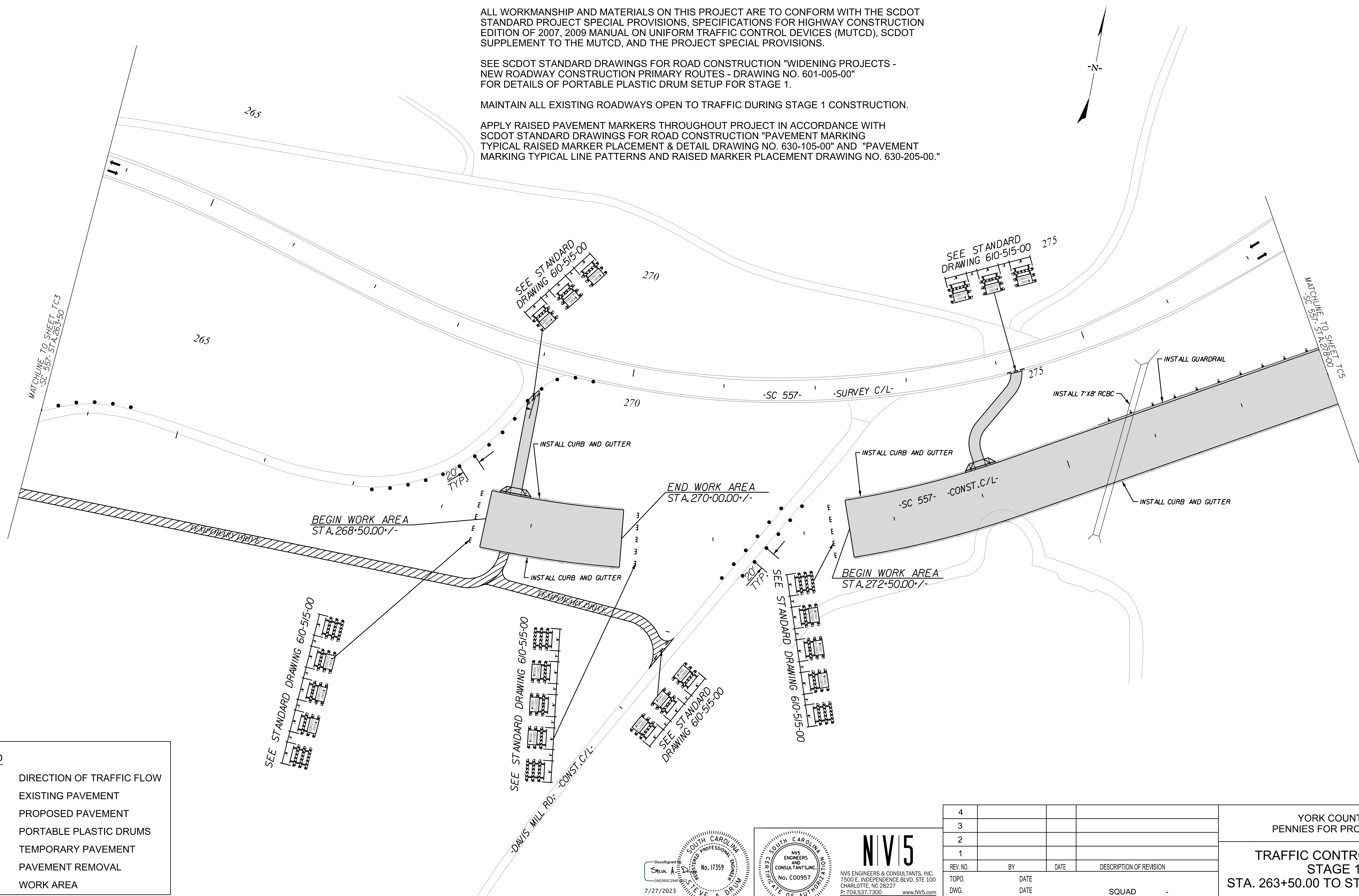
NOTE:

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SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 1.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 1 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



LEGEND

	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

4				
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1				
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
TOPO.		DATE		
DWG.		DATE	SQUAD	
R/W		DATE		

YORK COUNTY PENNIES FOR PROGRESS	
TRAFFIC CONTROL PLAN STAGE 1	
STA. 263+50.00 TO STA. 278+00.00	
SCALE 1"= 50'	RTE. SC 557 DWG. NO.

10/14/2022
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DocuSigned by:
Steve A. Drum
04E060C25846
7/27/2023

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. 17359
STEVE A. DRUM

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. C00957

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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC5	

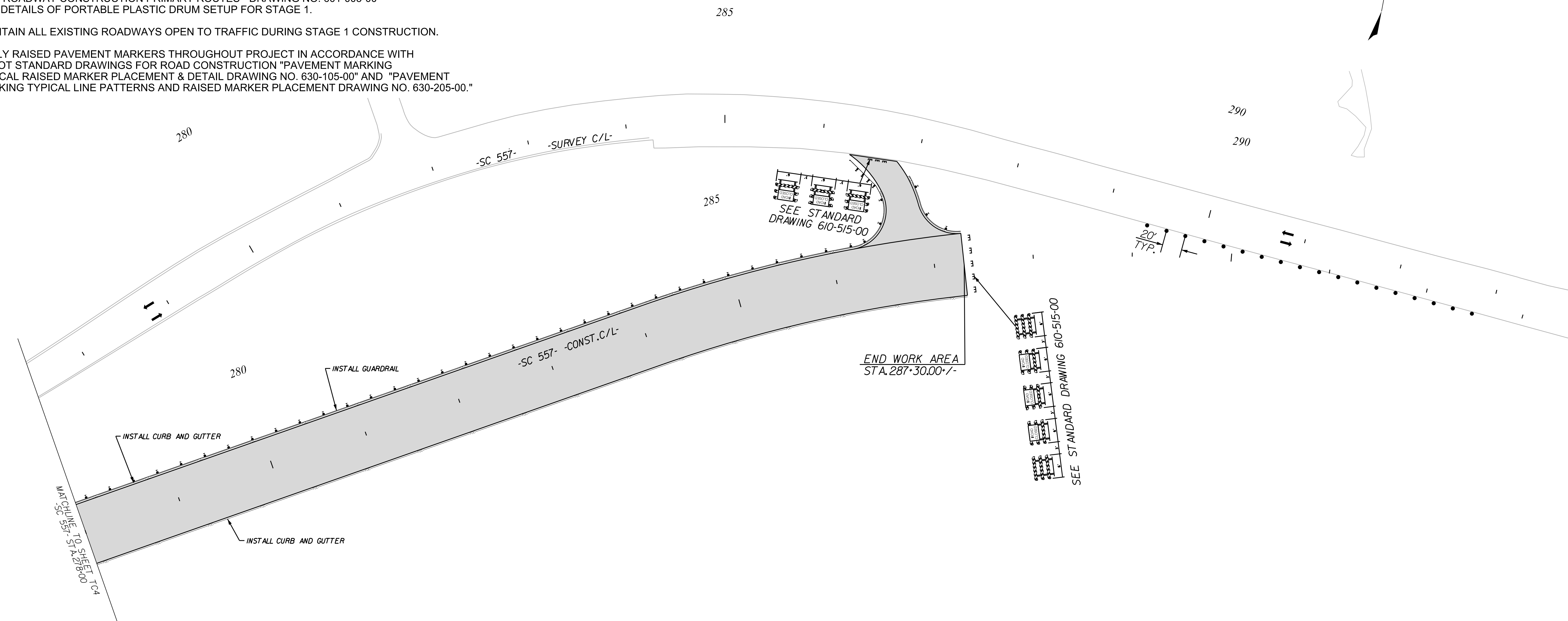
NOTE:

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SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 1.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 1 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



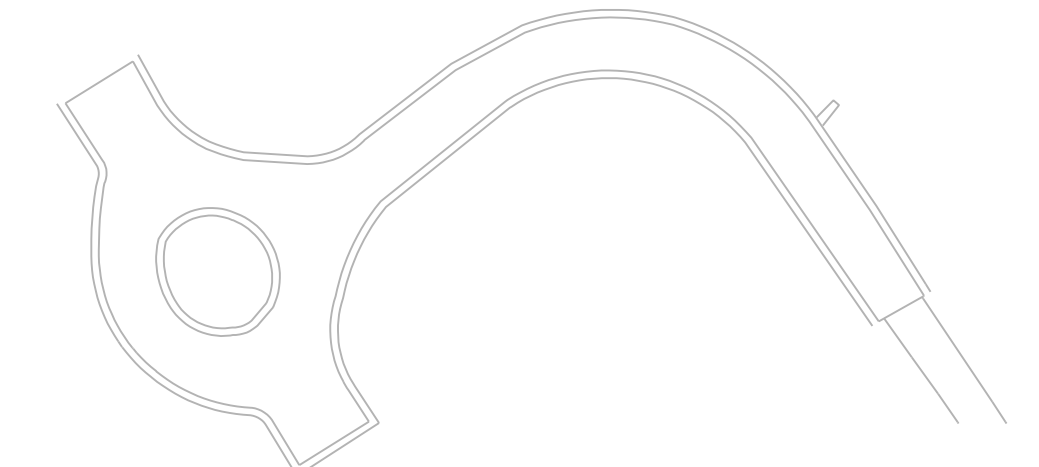
MATCHLINE TO SHEET TC4
SC 557 STA. 278+00

SEE STANDARD DRAWING 610-515-00

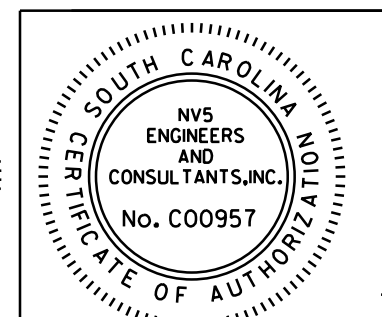
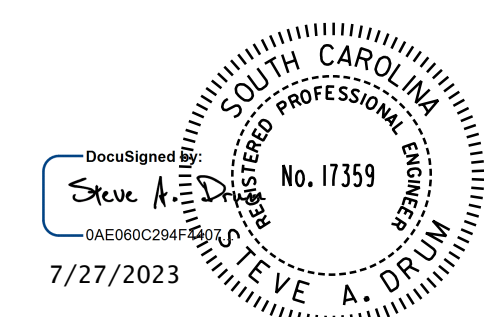
SEE STANDARD DRAWING 610-515-00

END WORK AREA
STA. 287+30.00

LEGEND	
	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA



10/14/2022
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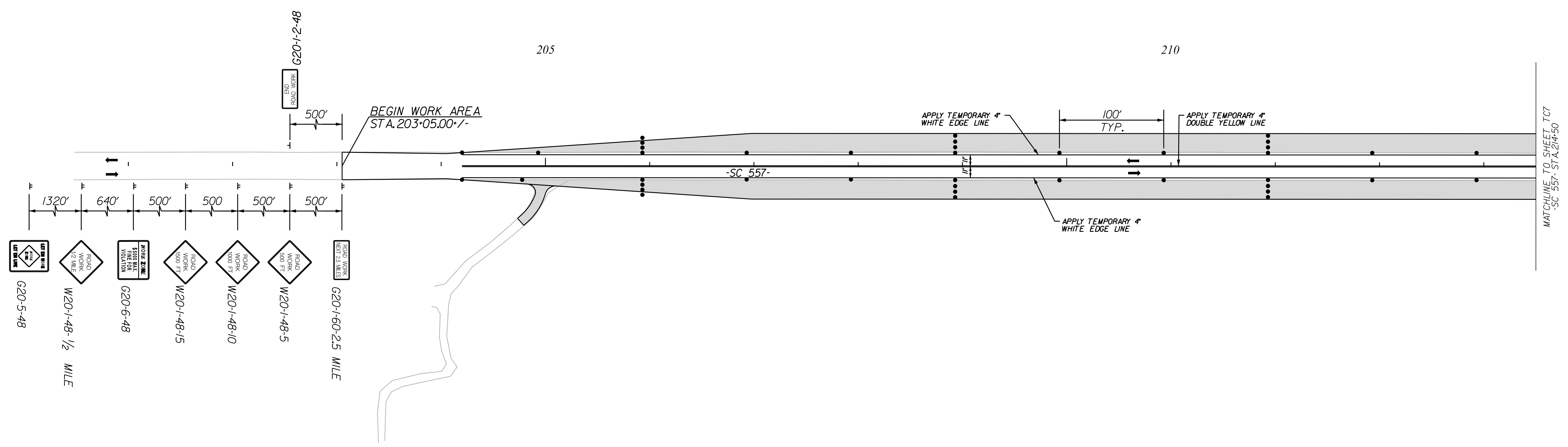
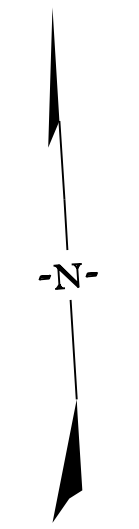
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TOPO.	DATE	SQUAD
DWG.	DATE	
R/W	DATE	

YORK COUNTY PENNIES FOR PROGRESS		
TRAFFIC CONTROL PLAN STAGE 1 STA. 278+00 TO STA. 292+50		
SCALE 1"= 50'	RTE. SC 557	DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC6	

NOTE:
 ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.
 SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 2.
 MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 2 CONSTRUCTION.
 APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



LEGEND

	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

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DocuSign
Steve A. Drum
Professional Engineer
No. 17359
7/27/2023

NVS ENGINEERS AND CONSULTANTS, INC.
No. C00957

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CHARLOTTE, NC 28227
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NC License # P-1333

4						YORK COUNTY PENNIES FOR PROGRESS TRAFFIC CONTROL PLAN STAGE 2 PHASE 1 STA. 203+05 TO STA. 214+50
3						
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REV. NO.	BY	DATE	DATE	DESCRIPTION OF REVISION	SQUAD	SCALE 1"= 50' RTE. SC 557 DWG. NO.
TOPO.		DATE				
DWG.		DATE				
R/W		DATE				

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC7	

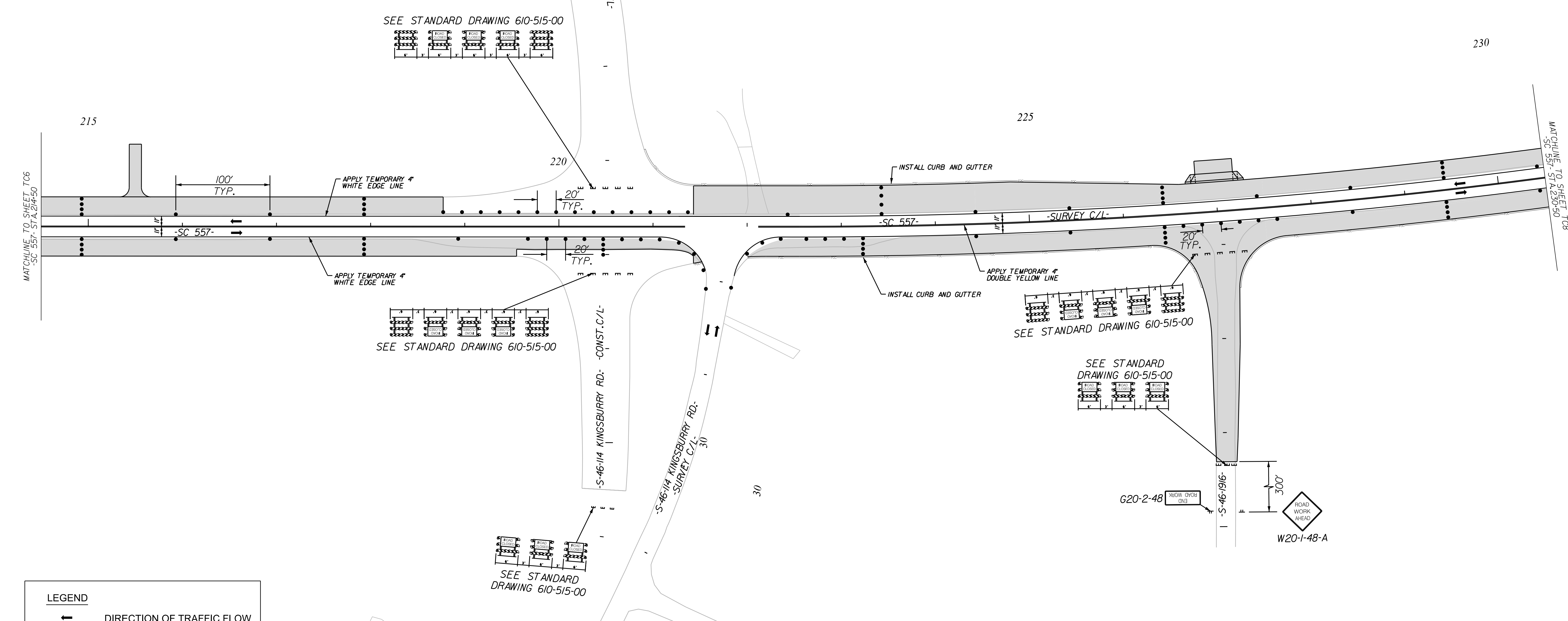
NOTE:

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SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 2.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 2 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



LEGEND	
	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

3/25/2023
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Steve A. Drum
 No. 17359
 7/27/2023

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 No. C00957

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YORK COUNTY
 PENNIES FOR PROGRESS

TRAFFIC CONTROL PLAN
STAGE 2 PHASE 1
STA. 214+50 TO STA. 230+50

SCALE 1"= 50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-008	557	TC8	

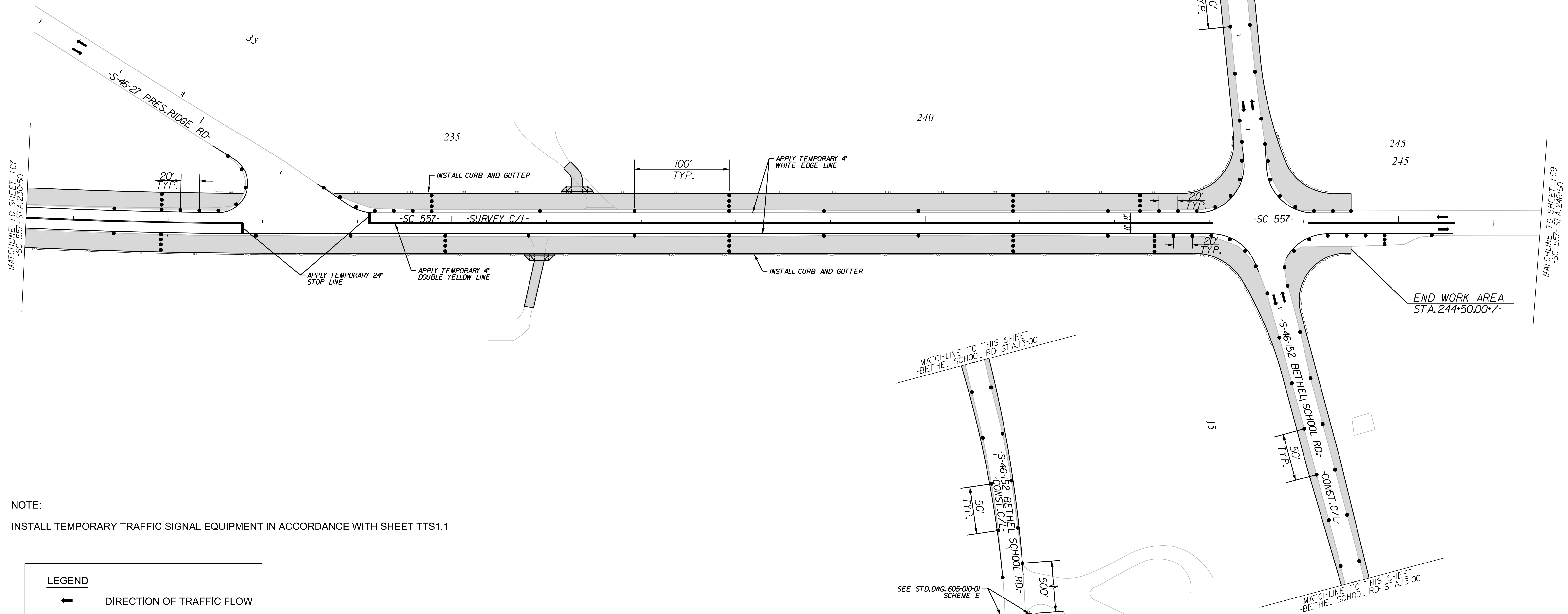
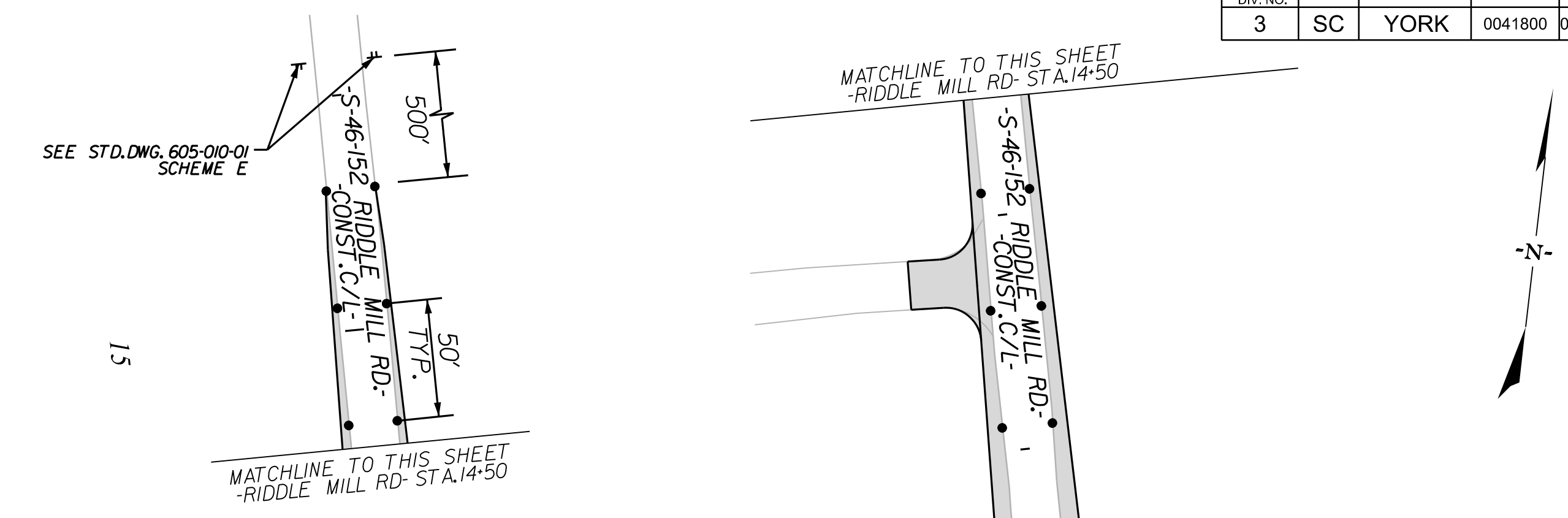
NOTE:

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SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 2.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 2 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



NOTE:

INSTALL TEMPORARY TRAFFIC SIGNAL EQUIPMENT IN ACCORDANCE WITH SHEET TTS1.1

LEGEND	
	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

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

YORK COUNTY
PENNIES FOR PROGRESS

**TRAFFIC CONTROL PLAN
STAGE 2 PHASE 1
STA. 230+50 TO STA. 246+50**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

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No. 17359
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REGISTERED PROFESSIONAL ENGINEER
STEVE A. DRUM

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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC9	

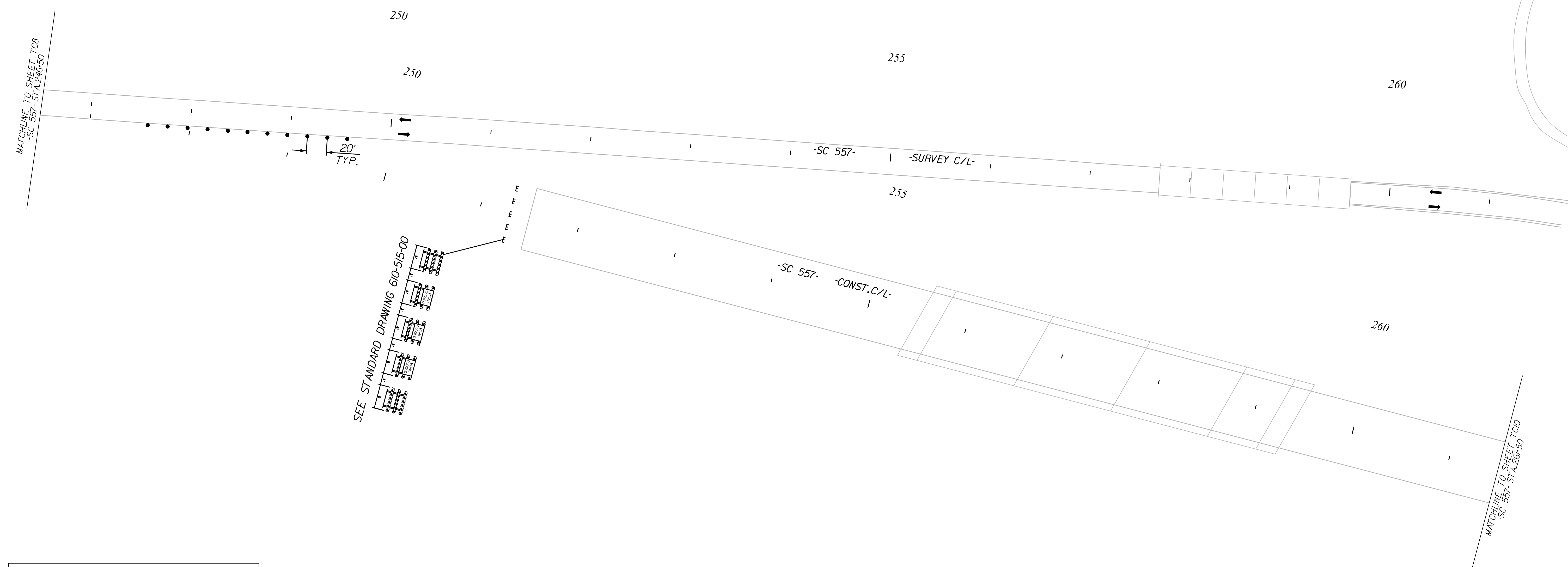
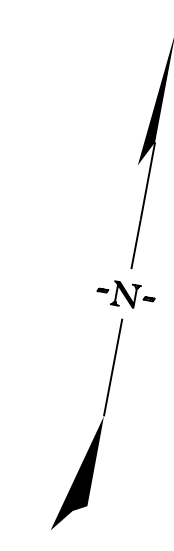
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SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 2.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 2 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



LEGEND	
	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

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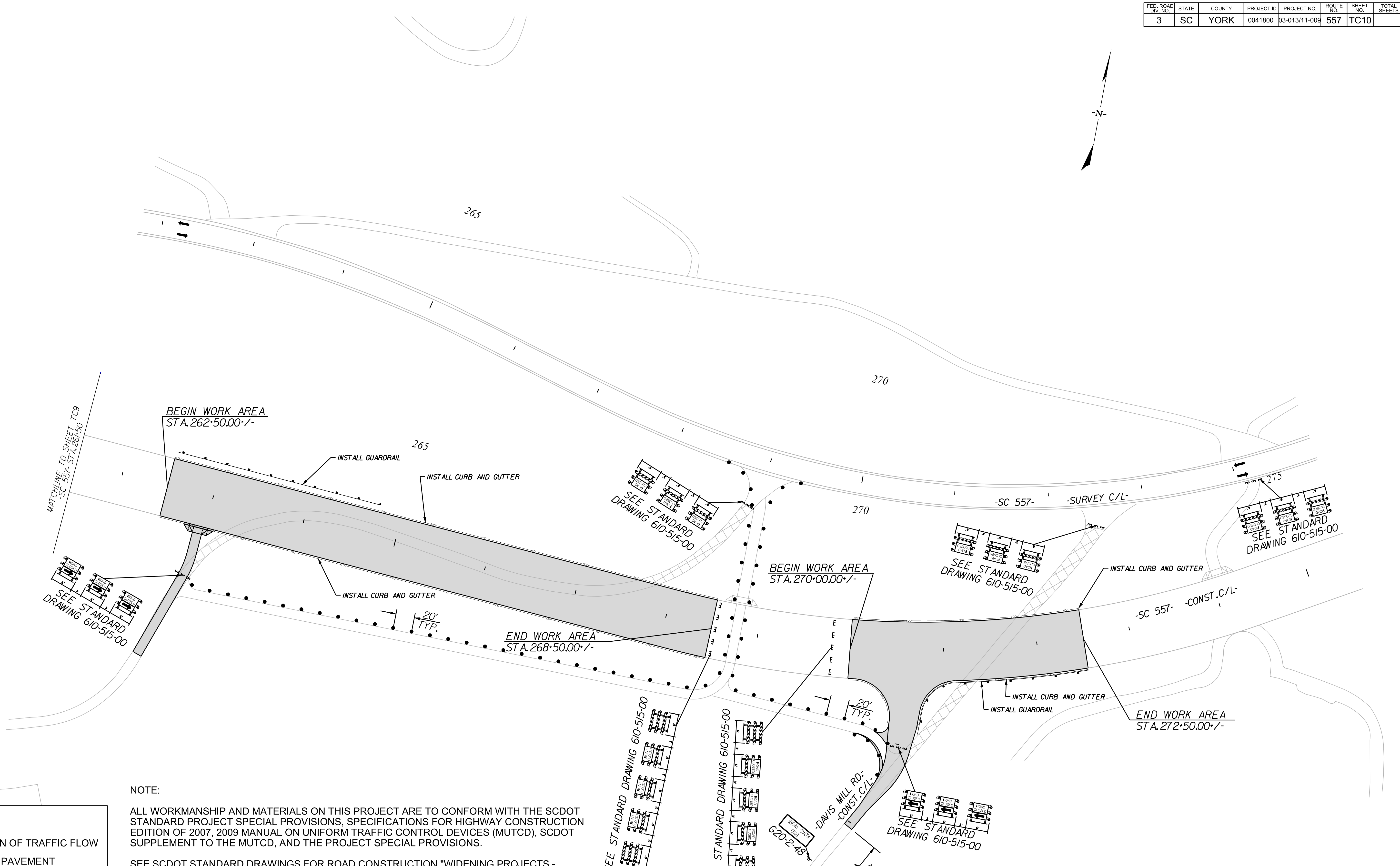
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TOPO.		DATE	
DWG.		DATE	SQUAD
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YORK COUNTY
 PENNIES FOR PROGRESS

**TRAFFIC CONTROL PLAN
 STAGE 2 PHASE 1
 STA. 246+50 TO STA. 261+00**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC10	



NOTE:

ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 2.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 2 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00." 7/27/2023

LEGEND	
	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

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04E060C2949507

STATE OF SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. 17359

STATE OF SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. C00957

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REV. NO.	BY	DATE	DATE	DESCRIPTION OF REVISION
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YORK COUNTY
PENNIES FOR PROGRESS

**TRAFFIC CONTROL PLAN
STAGE 2 PHASE 1
STA. 261+50 TO STA. 275+50**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC11	

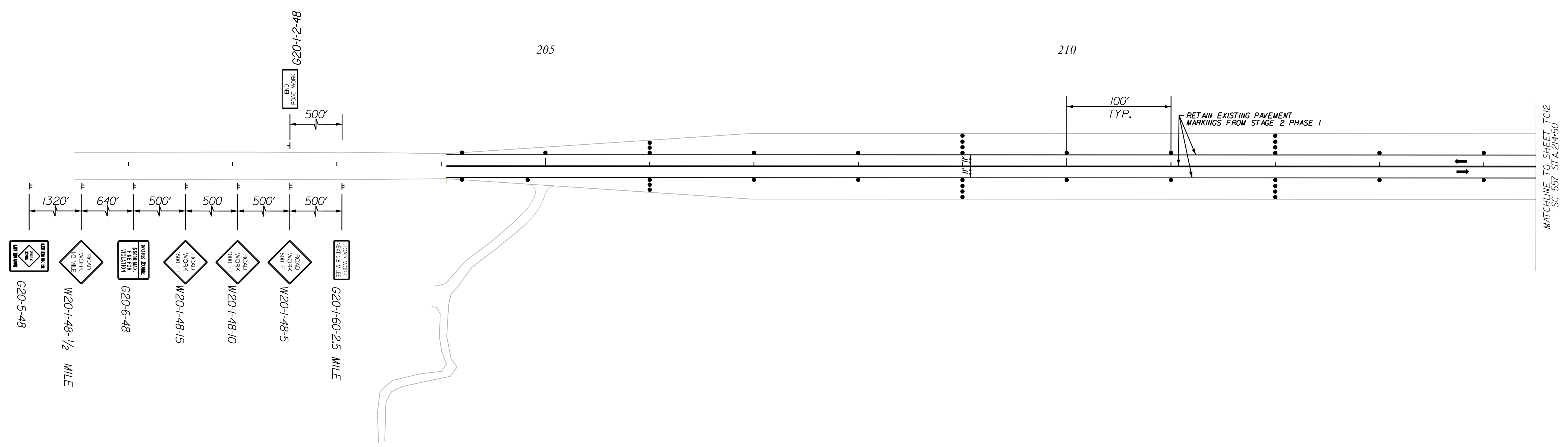
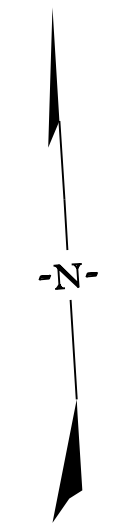
NOTE:

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SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 2 .

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 2 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



LEGEND

	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

10/14/2022
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NC License # P-1333

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DWG.	DATE	DATE	DATE	SQUAD
R/W	DATE	DATE	DATE	SQUAD

YORK COUNTY
PENNIES FOR PROGRESS

**TRAFFIC CONTROL PLAN
STAGE 2 PHASE 2
STA. 205+92 TO STA. 214+50**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC12	

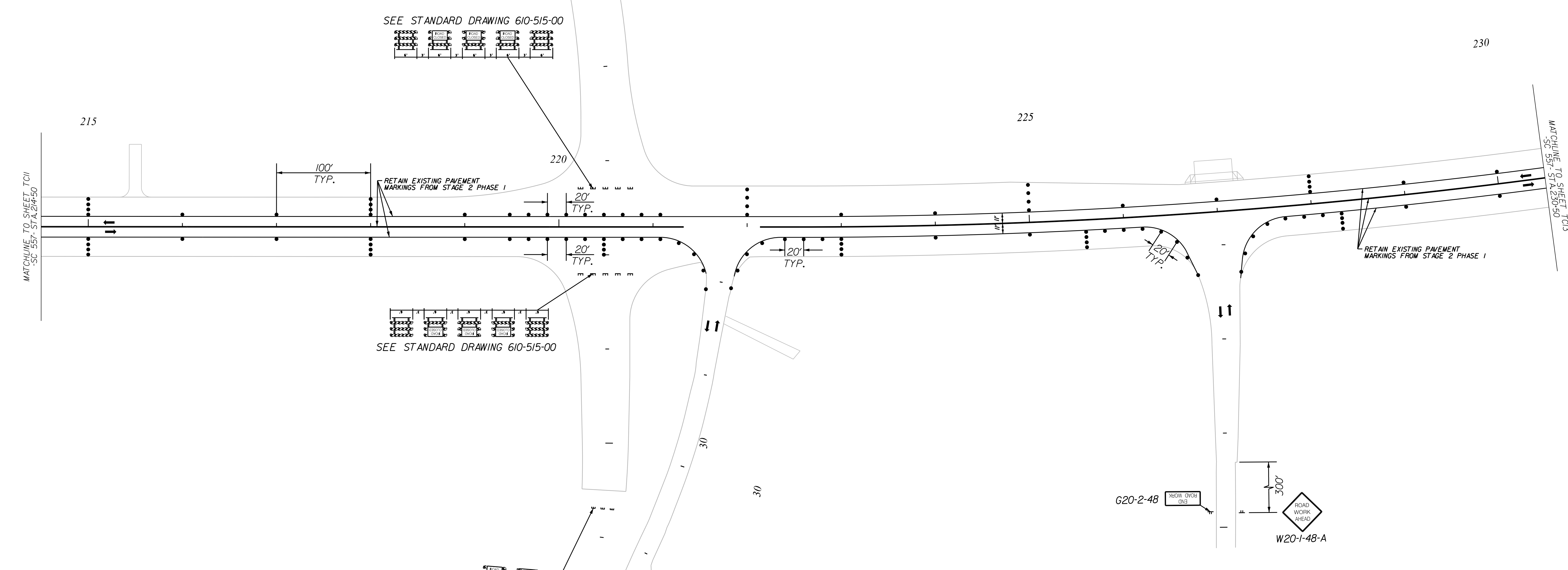
NOTE:

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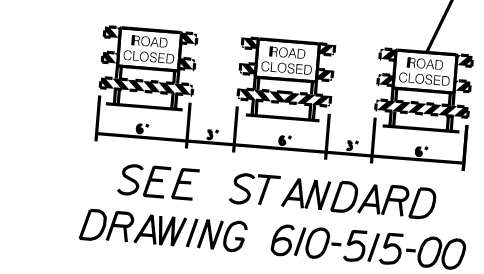
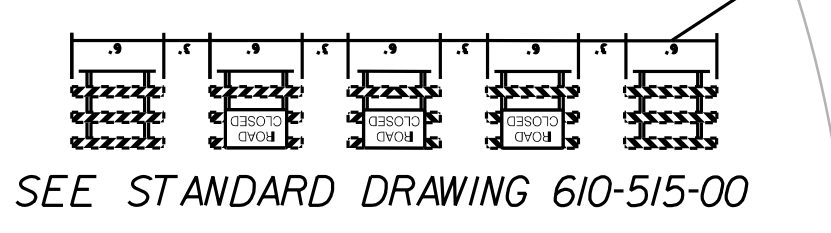
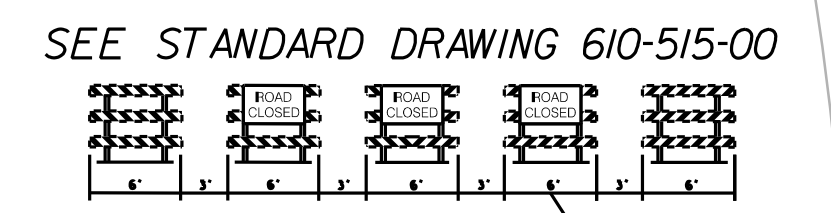
SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 2.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 2 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



LEGEND	
	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA



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DocuSigned by:
 Steve A. Drum
 No. 17359
 7/27/2023

REGISTERED PROFESSIONAL ENGINEER
 STEVE A. DRUM

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 No. C00957

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 RW DATE

SQUAD

YORK COUNTY
 PENNIES FOR PROGRESS

**TRAFFIC CONTROL PLAN
 STAGE 2 PHASE 2
 STA. 214+50 TO STA. 230+50**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC13	

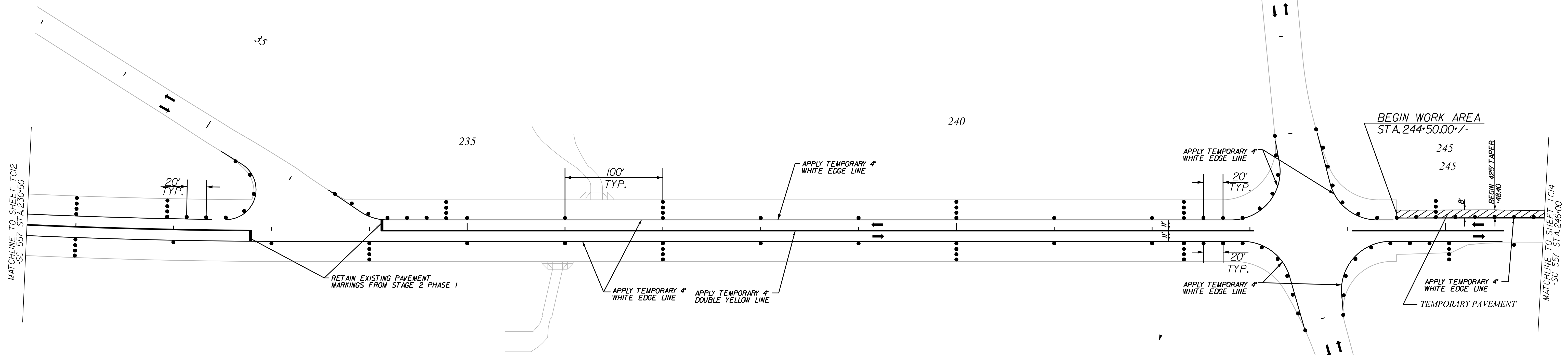
NOTE:

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SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 2.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 2 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."

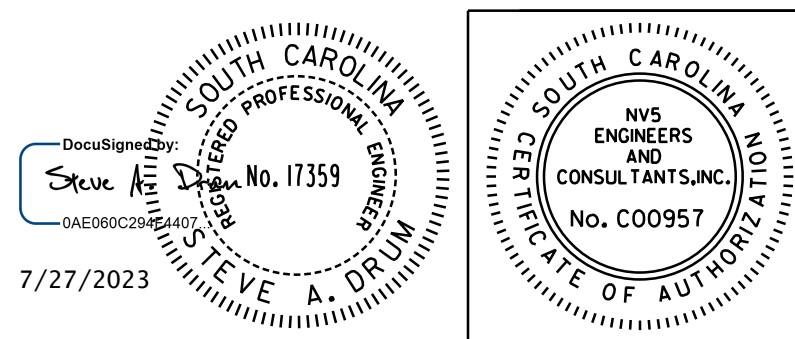


NOTE:

MAINTAIN TEMPORARY TRAFFIC SIGNAL EQUIPMENT INSTALLED IN PREVIOUS STAGE

LEGEND	
	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

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YORK COUNTY PENNIES FOR PROGRESS	
TRAFFIC CONTROL PLAN STAGE 2 PHASE 2 STA. 230+50 TO STA. 246+00	
SCALE 1"= 50'	RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC14	

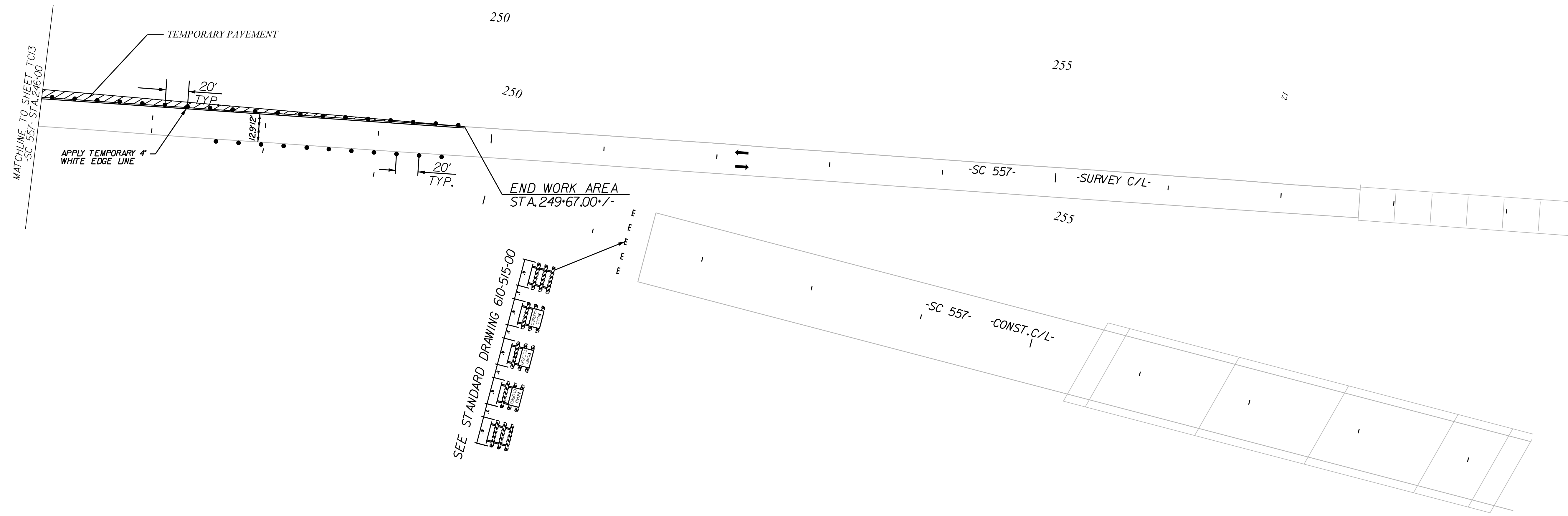
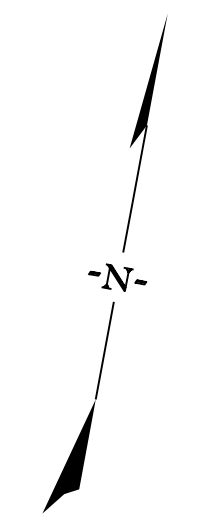
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MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 2 CONSTRUCTION.

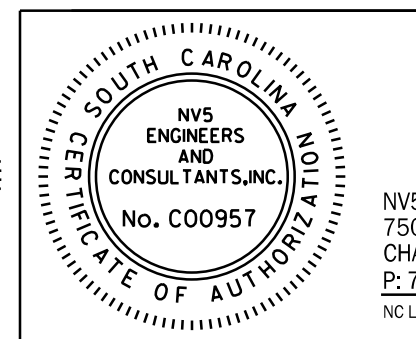
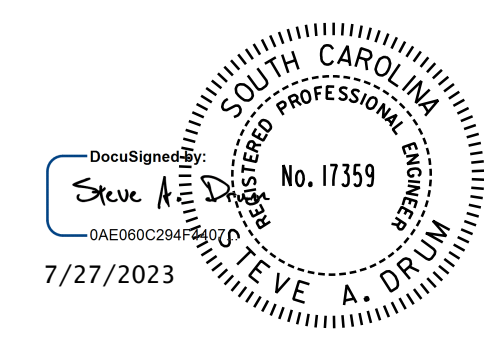
APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



LEGEND

- ← DIRECTION OF TRAFFIC FLOW
- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- PORTABLE PLASTIC DRUMS
- ▨ TEMPORARY PAVEMENT
- ⊗ PAVEMENT REMOVAL
- ▭ WORK AREA

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YORK COUNTY
 PENNIES FOR PROGRESS

**TRAFFIC CONTROL PLAN
 STAGE 2 PHASE 2
 STA. 246+00 TO STA. 259+50**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC15	

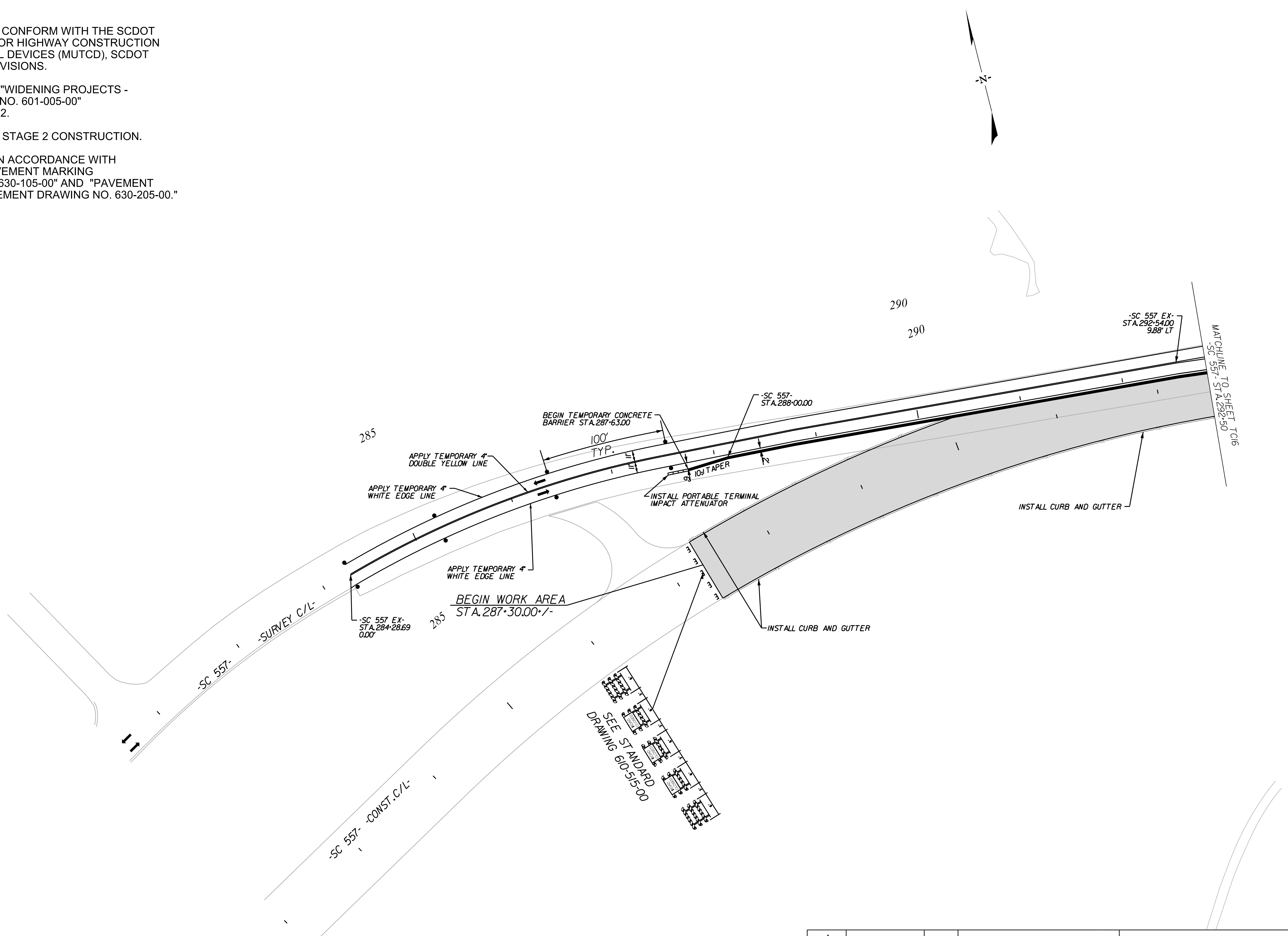
NOTE:

ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 2.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 2 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



LEGEND	
	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

NOTE:
SEE SHEET TC38 FOR SECTION VIEWS

DocuSigned by:
Steve A. Drury
04E980C294F051

7/27/2023

REGISTERED PROFESSIONAL ENGINEER
No. 17359
STEVE A. DRURY

NVS ENGINEERS AND CONSULTANTS, INC.
No. C00957

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NC License # P-1333

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

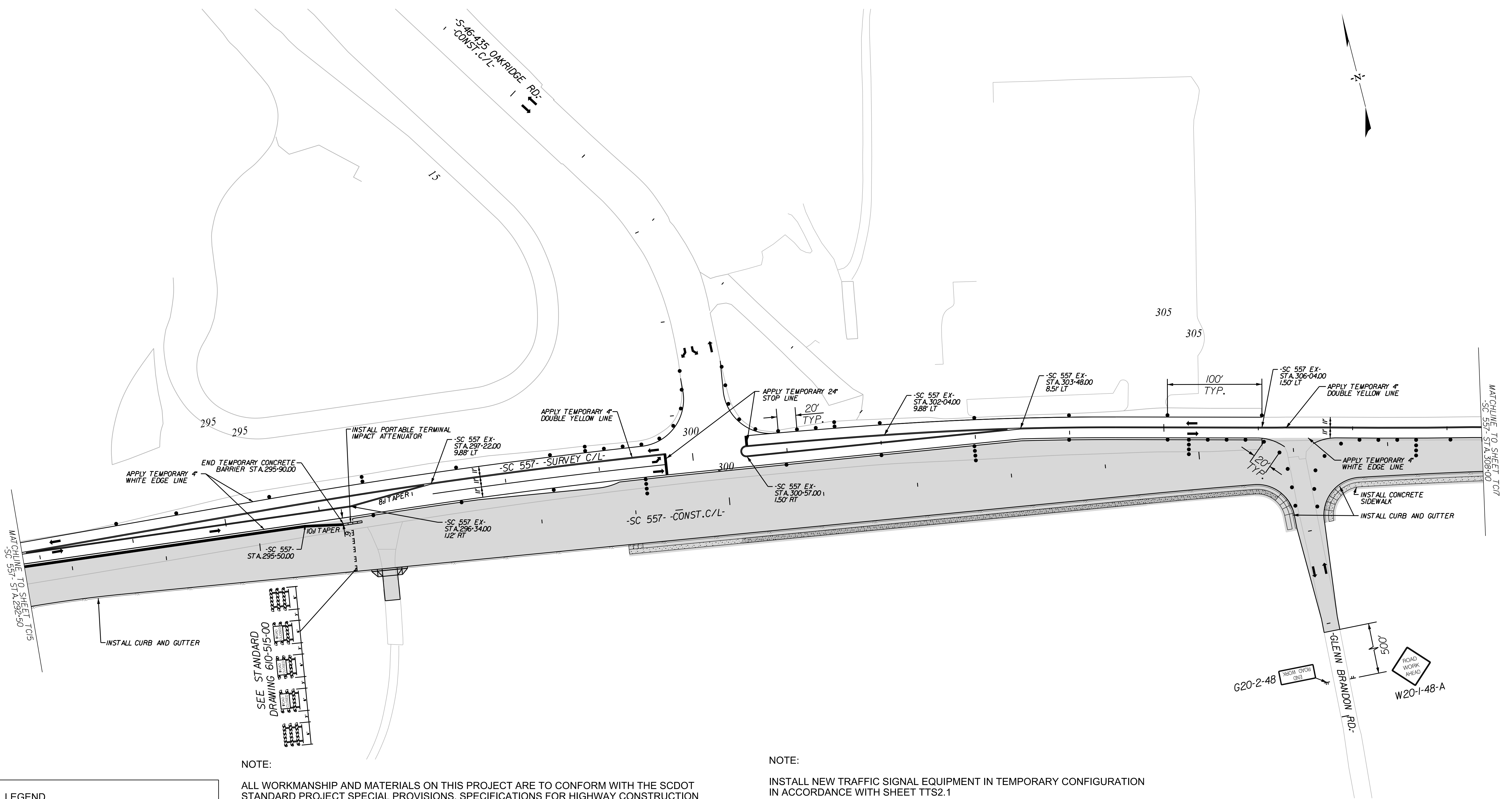
YORK COUNTY
PENNIES FOR PROGRESS

**TRAFFIC CONTROL PLAN
STAGE 2 PHASE 3
STA. 282+00 TO STA. 292+50**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

10/14/2022
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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC16	



LEGEND

	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

NOTE:

ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 2.

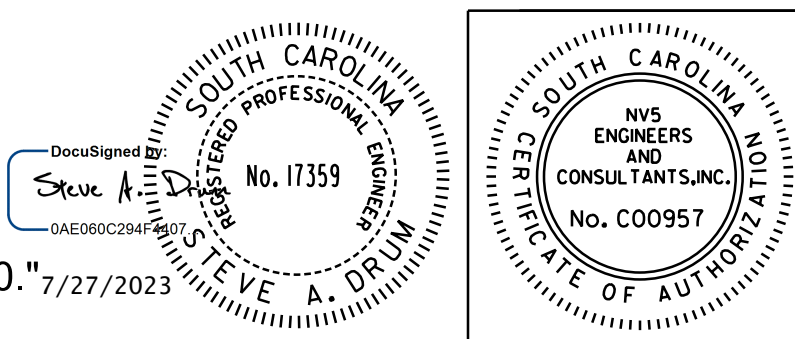
MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 2 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00." 7/27/2023

NOTE:

INSTALL NEW TRAFFIC SIGNAL EQUIPMENT IN TEMPORARY CONFIGURATION IN ACCORDANCE WITH SHEET TTS2.1

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

YORK COUNTY
 PENNIES FOR PROGRESS

**TRAFFIC CONTROL PLAN
 STAGE 2 PHASE 3
 STA. 292+50 TO STA. 308+00**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC17	

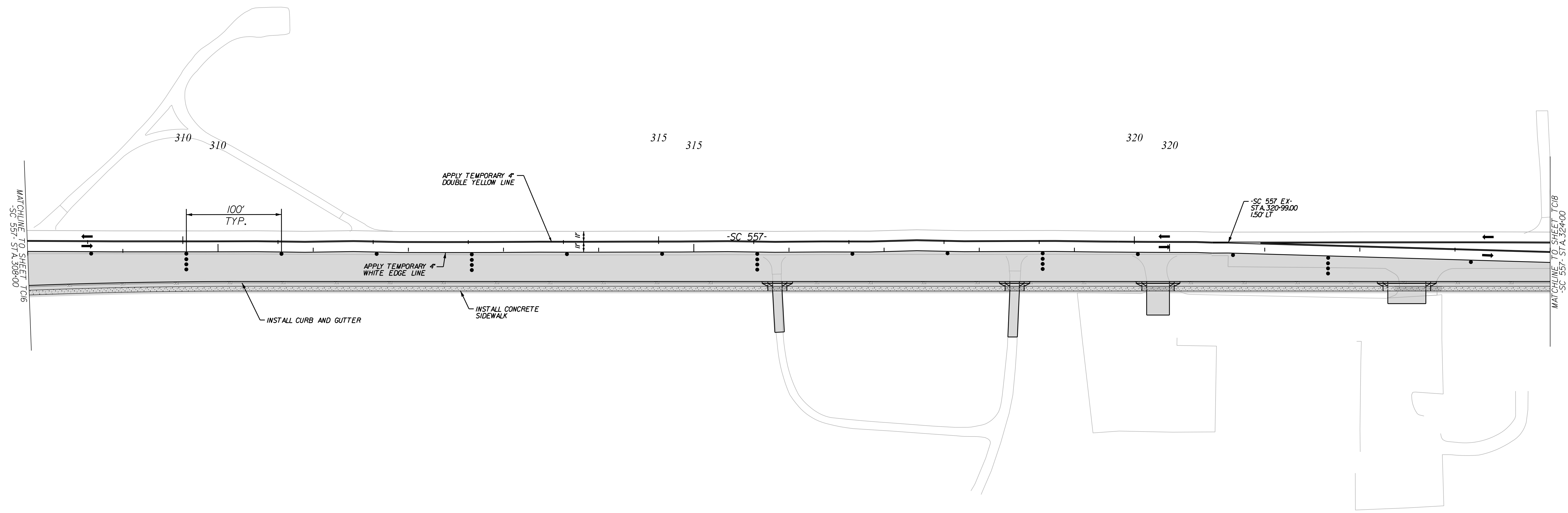
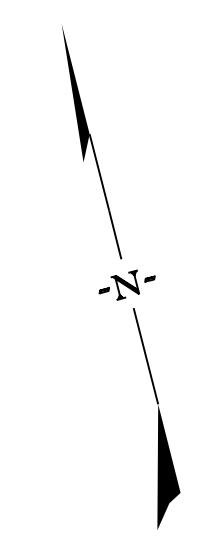
NOTE:

ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 2.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 2 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



LEGEND	
	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

10/14/2022
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7/27/2023

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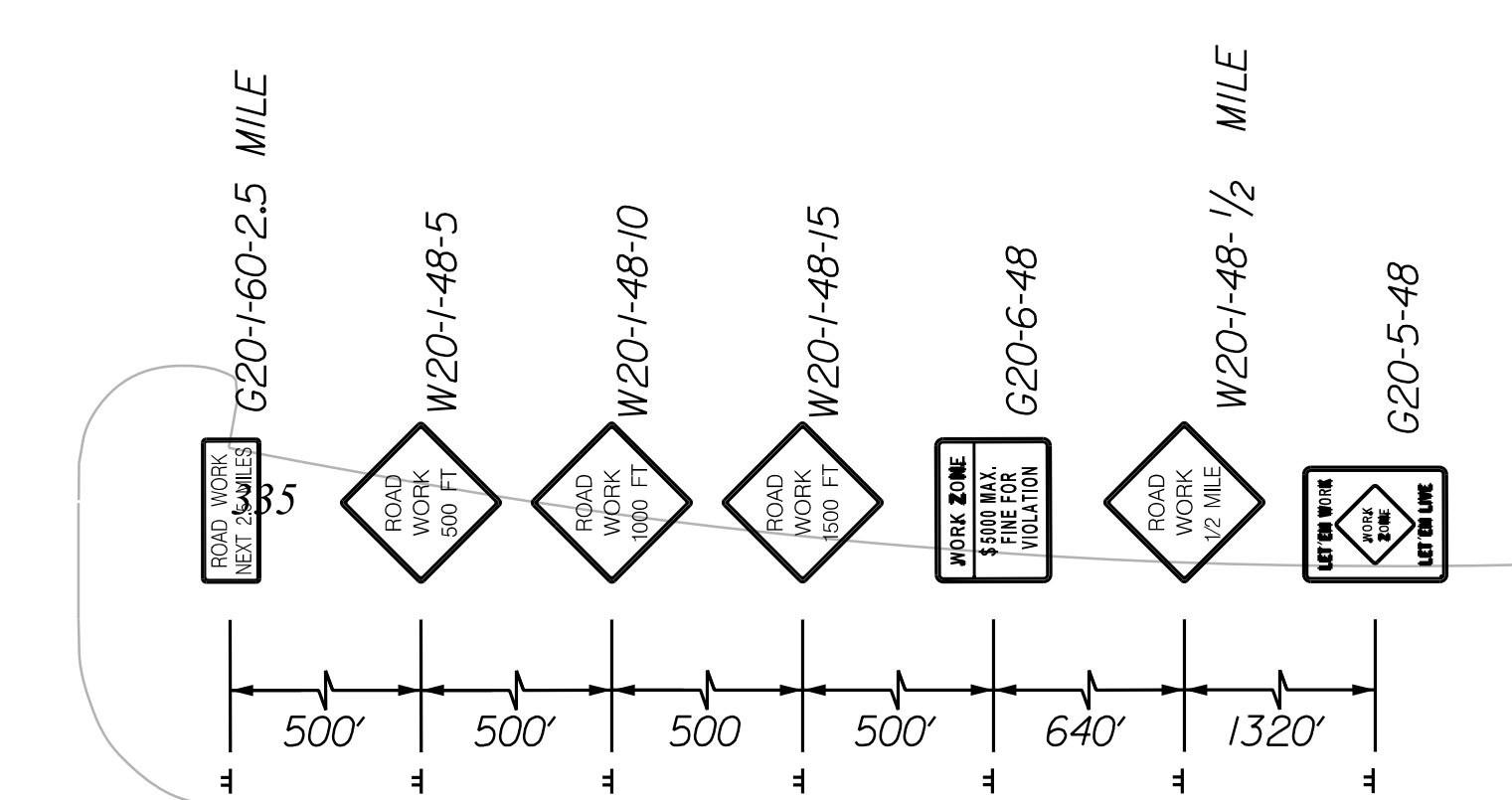
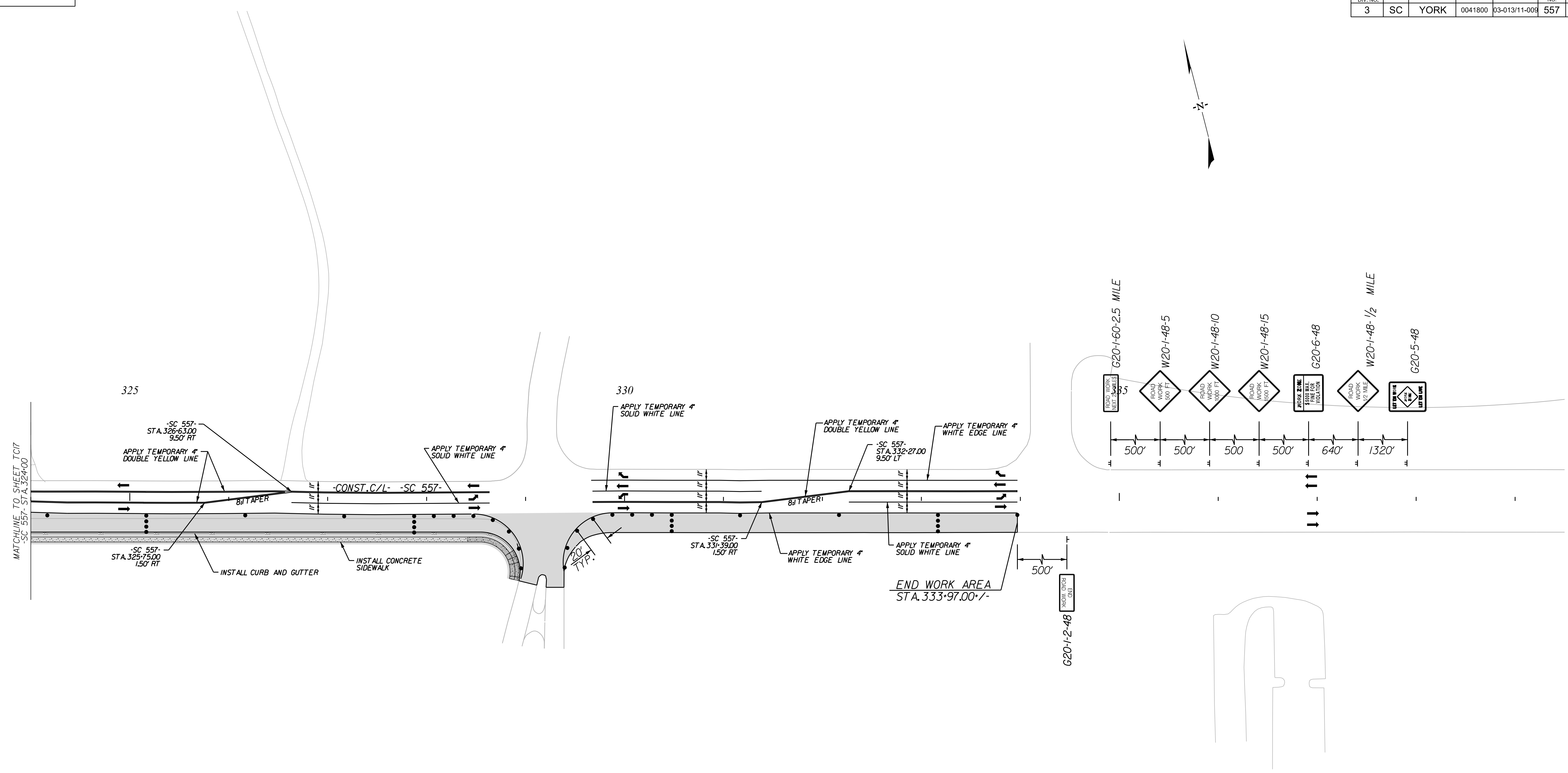
NV5 ENGINEERS & CONSULTANTS, INC.
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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YORK COUNTY PENNIES FOR PROGRESS
TRAFFIC CONTROL PLAN STAGE 2 PHASE 3 STA. 308+00 TO STA. 324+00
SCALE 1"= 50' RTE. SC 557 DWG. NO.

TOPO.	DATE	DATE	DATE
DWG.	DATE	DATE	SQUAD
R/W	DATE	DATE	

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC18	



LEGEND	
←	DIRECTION OF TRAFFIC FLOW
—	EXISTING PAVEMENT
—	PROPOSED PAVEMENT
•	PORTABLE PLASTIC DRUMS
▨	TEMPORARY PAVEMENT
⊠	PAVEMENT REMOVAL
■	WORK AREA

NOTE:

ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 2.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 2 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."

DocuSigned by:
Steve A. Drumm
04E060C2940307

7/27/2023

PROFESSIONAL ENGINEER
No. 17359
STEVE A. DRUMM
STATE OF SOUTH CAROLINA

PROFESSIONAL ENGINEER
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STATE OF SOUTH CAROLINA

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION		
TOPO.	DATE			TRAFFIC CONTROL PLAN STAGE 2 PHASE 3 STA. 324+00 TO STA. 339+50	
DWG.	DATE		SQUAD		
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SCALE 1"= 50'				RTE. SC 557	DWG. NO.

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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC19	

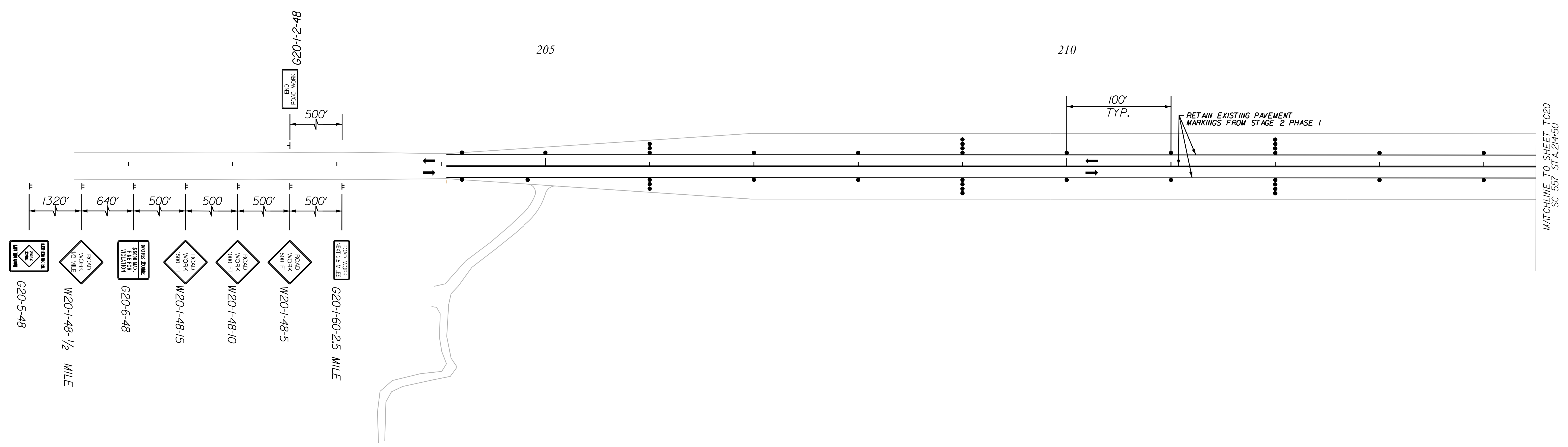
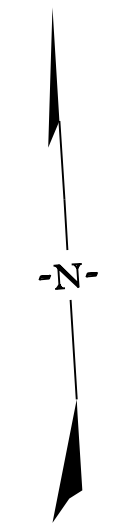
NOTE:

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SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 3 .

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 3 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



LEGEND

- DIRECTION OF TRAFFIC FLOW
- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- PORTABLE PLASTIC DRUMS
- TEMPORARY PAVEMENT
- PAVEMENT REMOVAL
- WORK AREA

10/14/2022
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SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER

Steve A. Drum

No. 17359

7/27/2023

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER

NVS ENGINEERS AND CONSULTANTS, INC.

No. C00957

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 NC License # P-1333

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

YORK COUNTY
 PENNIES FOR PROGRESS

TRAFFIC CONTROL PLAN
 STAGE 3 PHASE 1
 STA. 205+92 TO STA. 214+50

SCALE 1"= 50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC20	

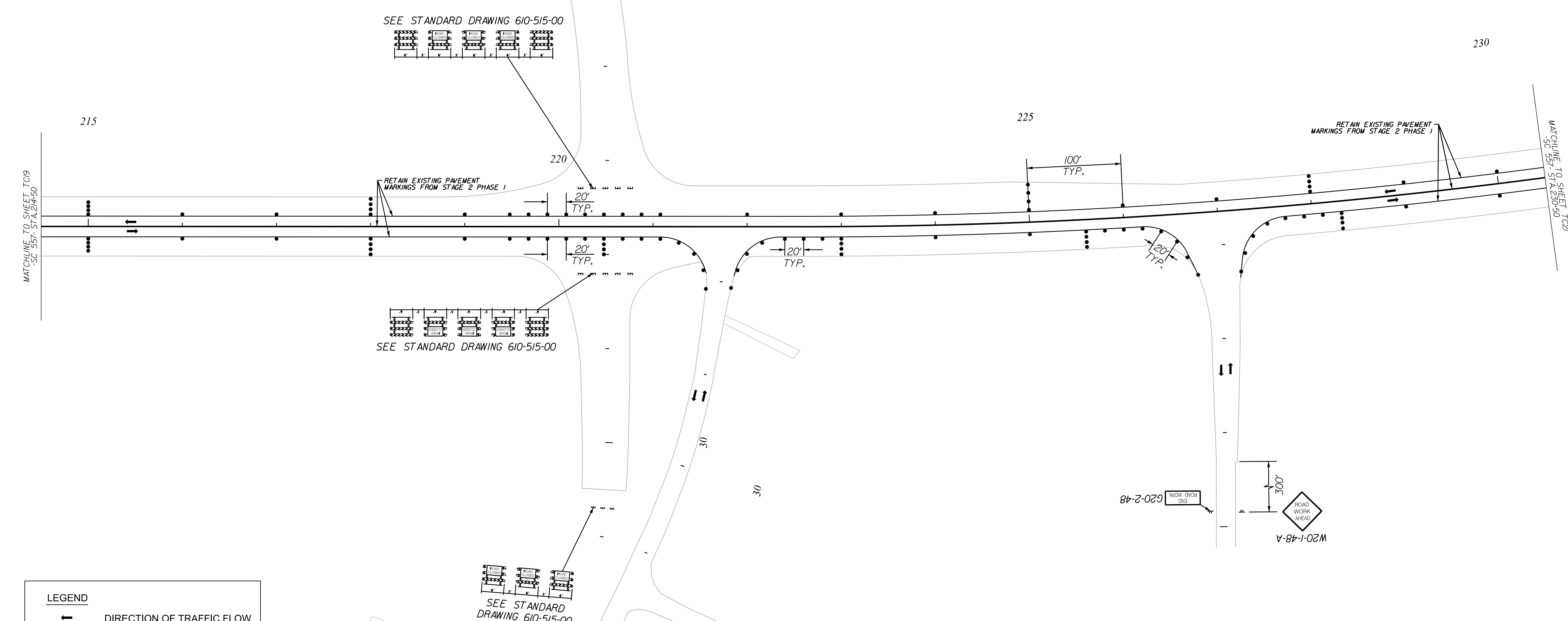
NOTE:

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SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 3.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 3 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



LEGEND	
	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

3/25/2023
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SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER

Steve A. Drum

No. 17359

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SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER

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No. C00957

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

YORK COUNTY
PENNIES FOR PROGRESS

**TRAFFIC CONTROL PLAN
STAGE 3 PHASE 1
STA. 214+50 TO STA. 230+50**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC21	

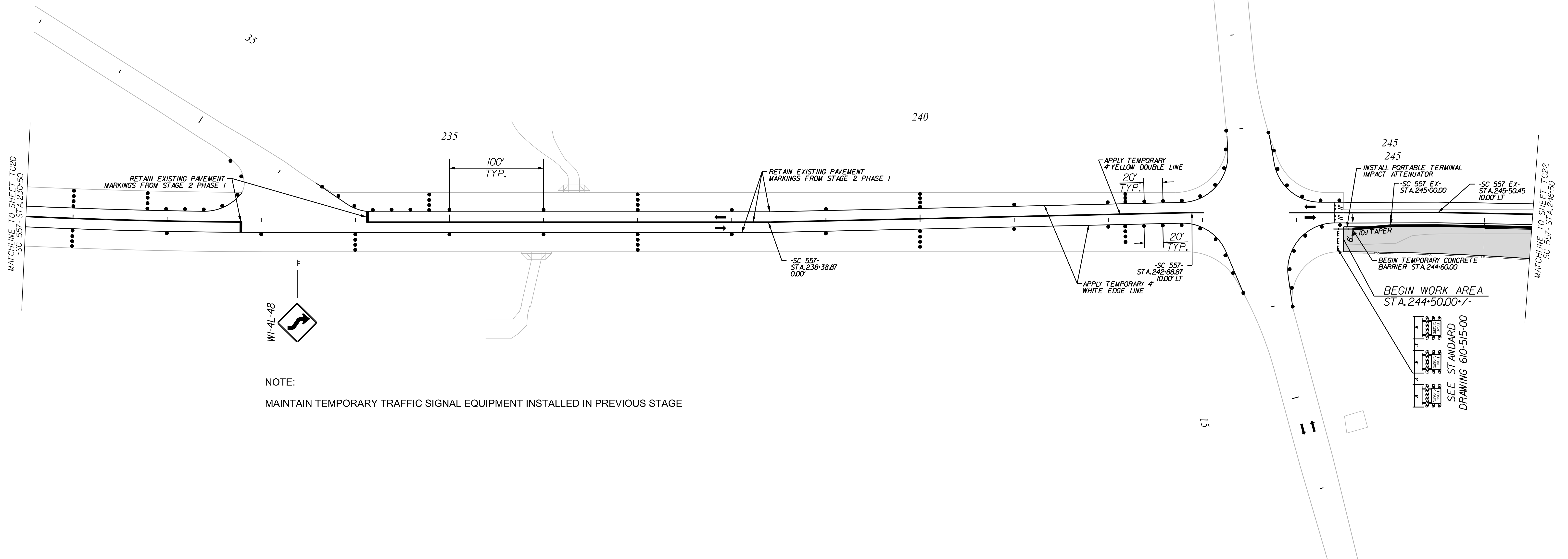
NOTE:

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SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 3.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 3 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



NOTE:
MAINTAIN TEMPORARY TRAFFIC SIGNAL EQUIPMENT INSTALLED IN PREVIOUS STAGE

NOTE:
SEE SHEET TC39 FOR SECTION VIEWS

LEGEND

	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

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

YORK COUNTY
PENNIES FOR PROGRESS

**TRAFFIC CONTROL PLAN
STAGE 3 PHASE 1
STA. 230+50 TO STA. 246+50**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

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DocuSigned by:
Steve A. Drum
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REGISTERED PROFESSIONAL ENGINEER
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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC22	

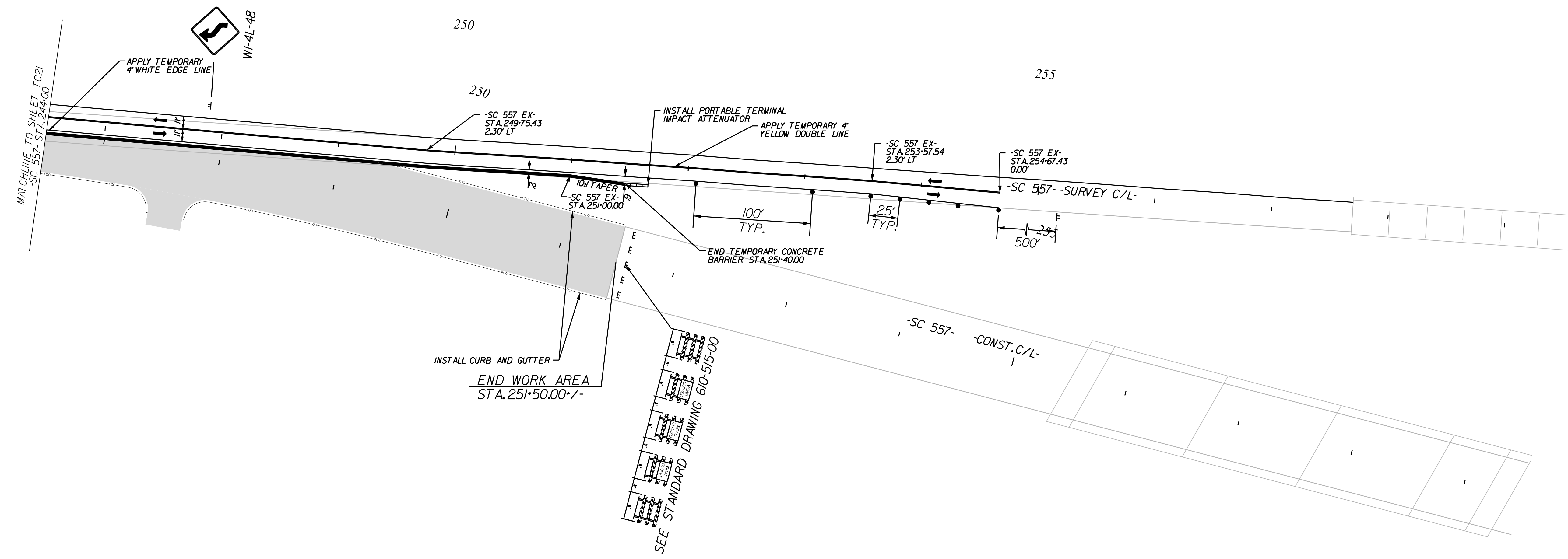
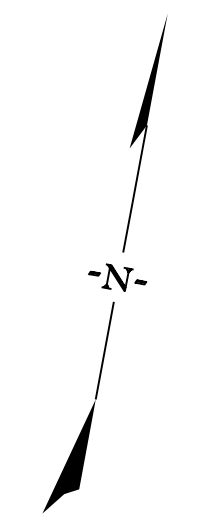
NOTE:

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SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 3.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 3 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



LEGEND

- DIRECTION OF TRAFFIC FLOW
- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- PORTABLE PLASTIC DRUMS
- TEMPORARY PAVEMENT
- PAVEMENT REMOVAL
- WORK AREA

NOTE:
SEE SHEET TC39 FOR SECTION VIEWS

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DocuSign
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Professional Engineer
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7/27/2023

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REV. NO.	BY	DATE	DATE	DESCRIPTION OF REVISION
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R/W		DATE		

YORK COUNTY
PENNIES FOR PROGRESS

**TRAFFIC CONTROL PLAN
STAGE 3 PHASE 1
STA. 244+00 TO STA. 259+50**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC23	

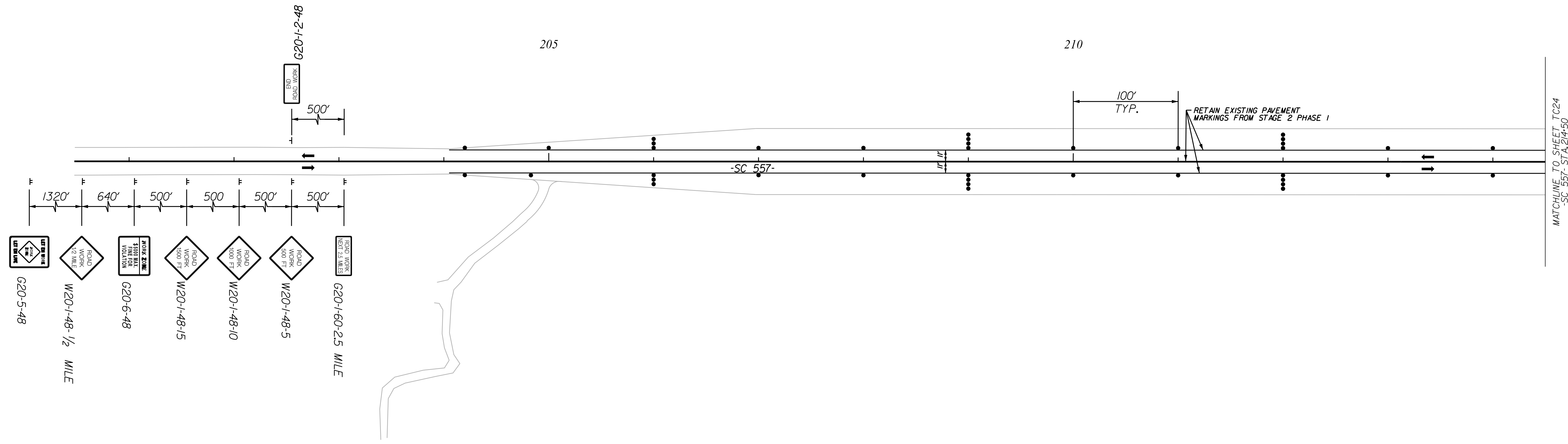
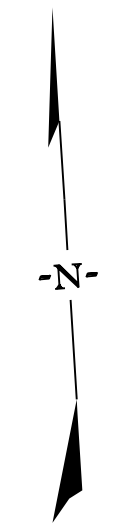
NOTE:

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SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 3.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 3 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."

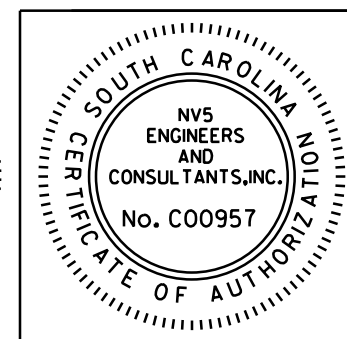
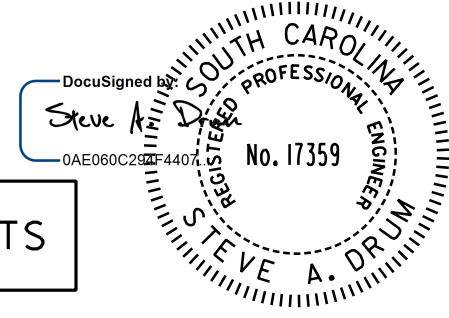


LEGEND

	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEETS

7/27/2023



NV5
 NV5 ENGINEERS & CONSULTANTS, INC.
 7500 E. INDEPENDENCE BLVD, STE 100
 CHARLOTTE, NC 28227
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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YORK COUNTY PENNIES FOR PROGRESS	
TRAFFIC CONTROL PLAN STAGE 3 PHASE 2 STA. 205+92 TO STA. 214+50	
SCALE 1"= 50'	RTE. SC 557 DWG. NO.

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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC24	

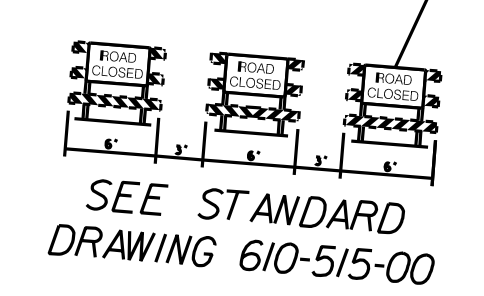
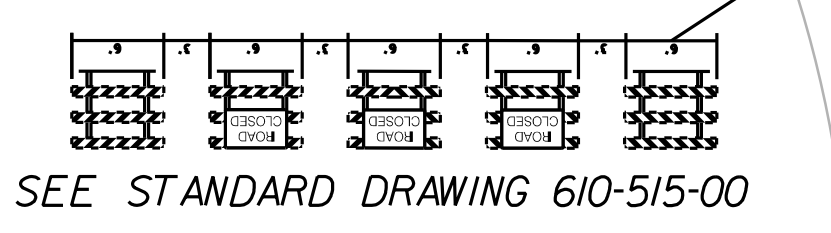
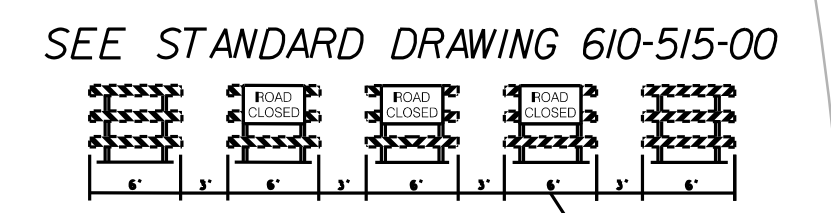
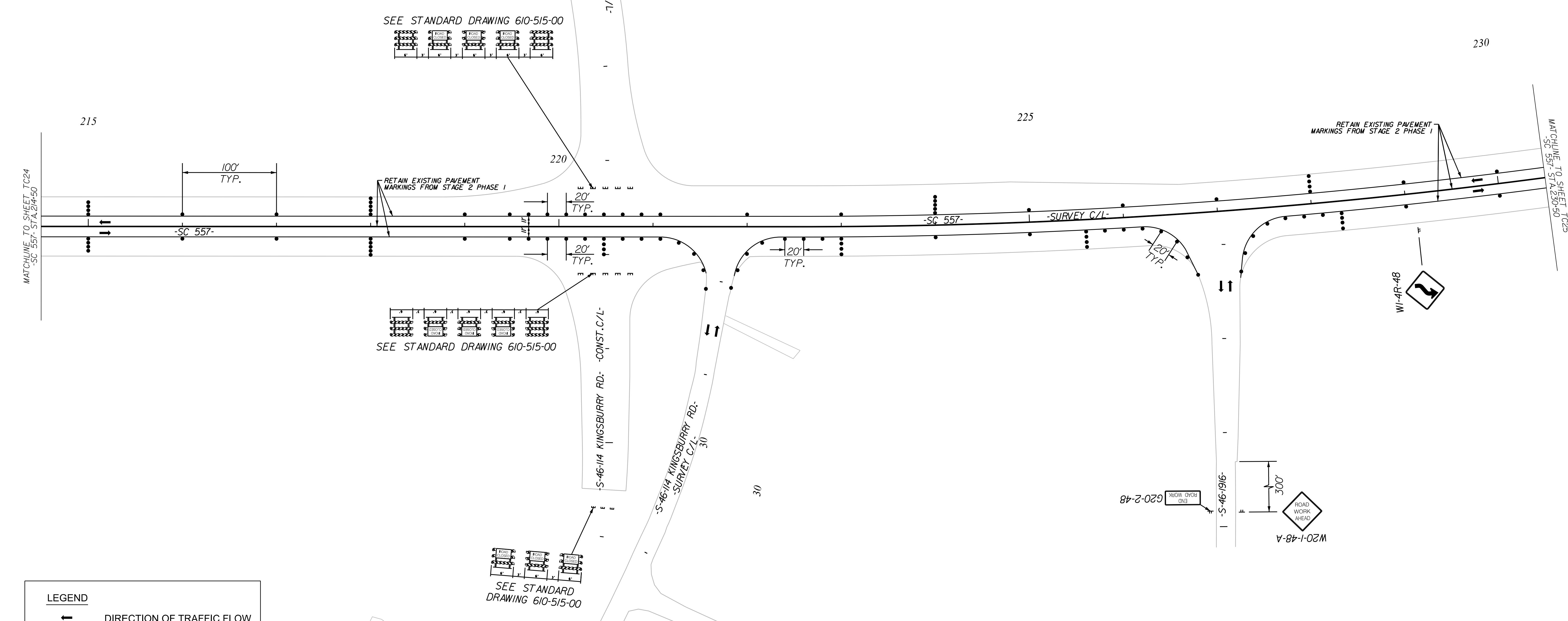
NOTE:

ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 3.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 3 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



LEGEND

	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

REGISTERED PROFESSIONAL ENGINEER

Steve A. Drum

No. 17359

DAE690C2940107

7/27/2023

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

YORK COUNTY
PENNIES FOR PROGRESS

TRAFFIC CONTROL PLAN
STAGE 3 PHASE 2
STA. 214+50 TO STA. 230+50

SCALE 1"= 50' RTE. SC 557 DWG. NO.

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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC25	

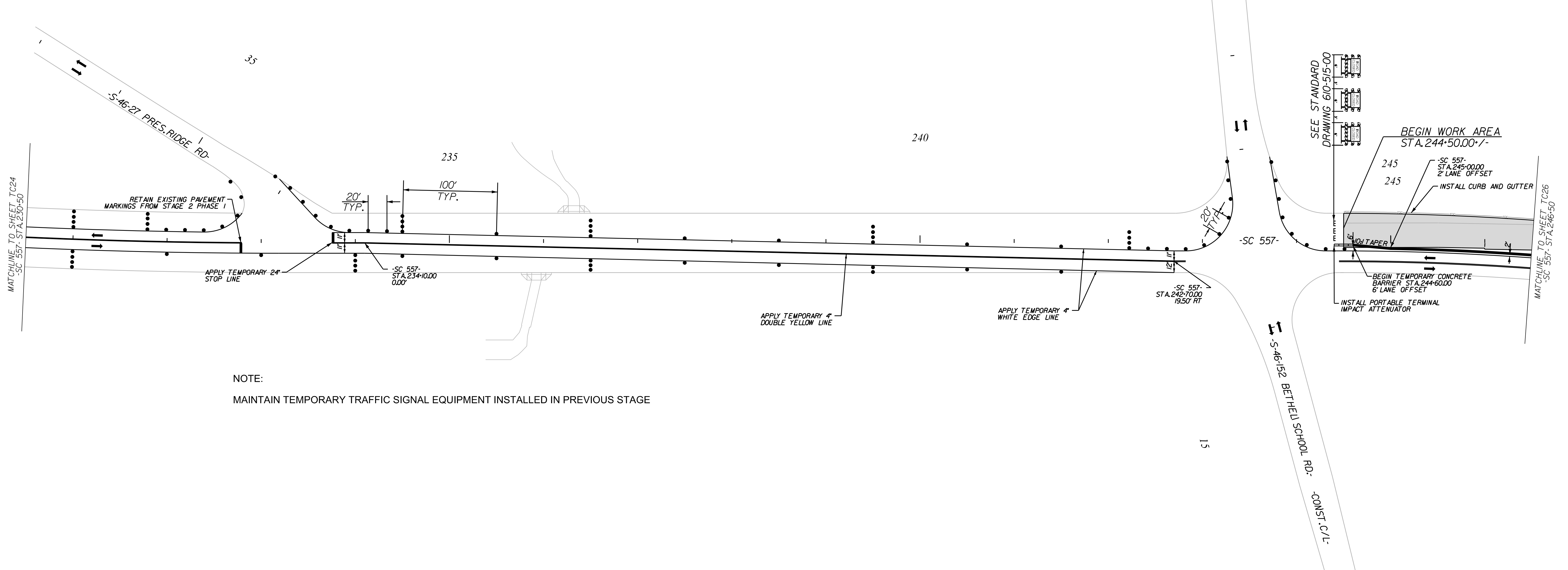
NOTE:

ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 3.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 3 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



NOTE:

MAINTAIN TEMPORARY TRAFFIC SIGNAL EQUIPMENT INSTALLED IN PREVIOUS STAGE

NOTE:

SEE SHEET TC40 FOR SECTION VIEWS

LEGEND	
	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

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

YORK COUNTY PENNIES FOR PROGRESS		
TRAFFIC CONTROL PLAN STAGE 3 PHASE 2 STA. 230+50 TO STA. 246+50		
SCALE 1"=50'	RTE. SC 557	DWG. NO.

10/14/2022
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DocuSigned by:
Steve A. Drum
0AE060C2940307
7/27/2023

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. 17359
STEVE A. DRUM

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. C00957

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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC26	

NOTE:

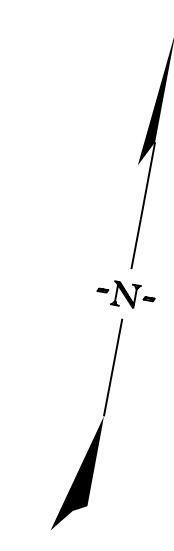
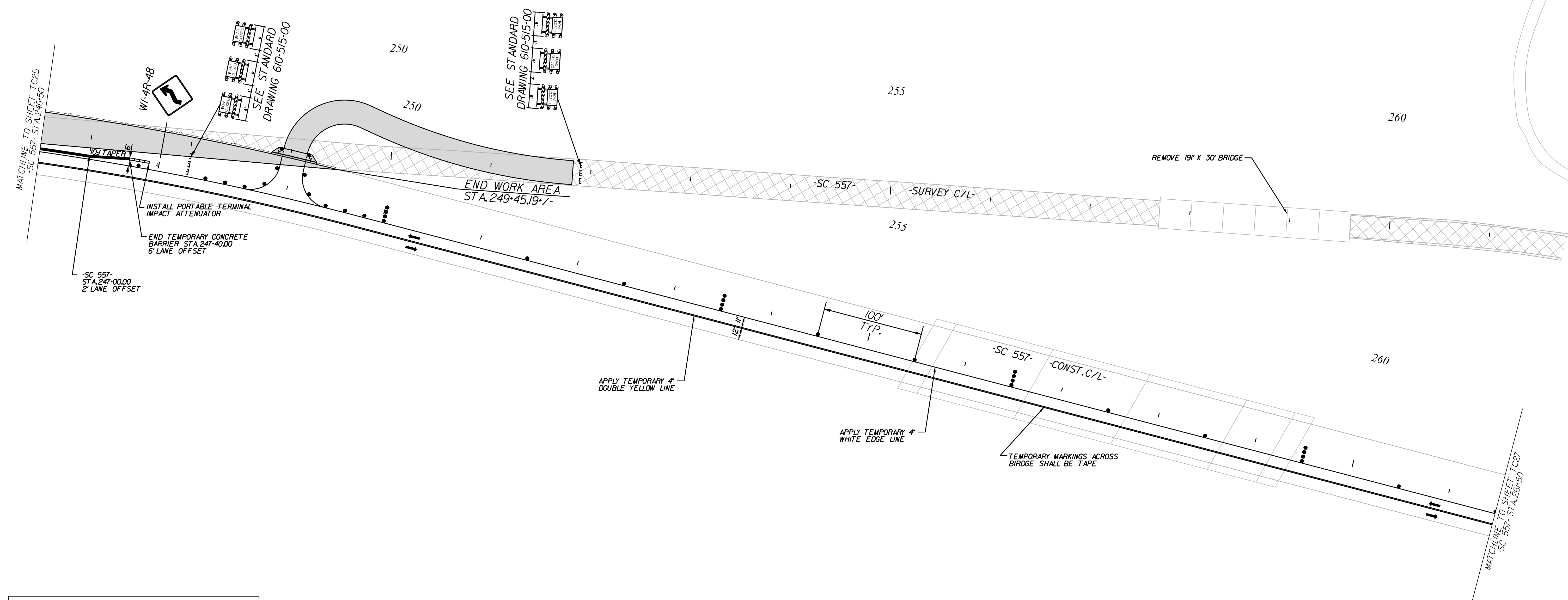
ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 3.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 3 CONSTRUCTION.

PAVEMENT MARKINGS ON TH BRIDGE ARE TO BE TEMPORARY.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



LEGEND

	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

NOTE:
SEE SHEET TC40 FOR SECTION VIEWS

NOTE: TEMPORARY PAVEMENT MARKINGS ON BRIDGE SHALL BE TAPE

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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YORK COUNTY
PENNIES FOR PROGRESS

**TRAFFIC CONTROL PLAN
STAGE 3 PHASE 2
STA. 246+50 TO STA. 261+00**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

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7/27/2023

Steve A. Drumm

Professional Engineer

No. 17359

STATE OF SOUTH CAROLINA

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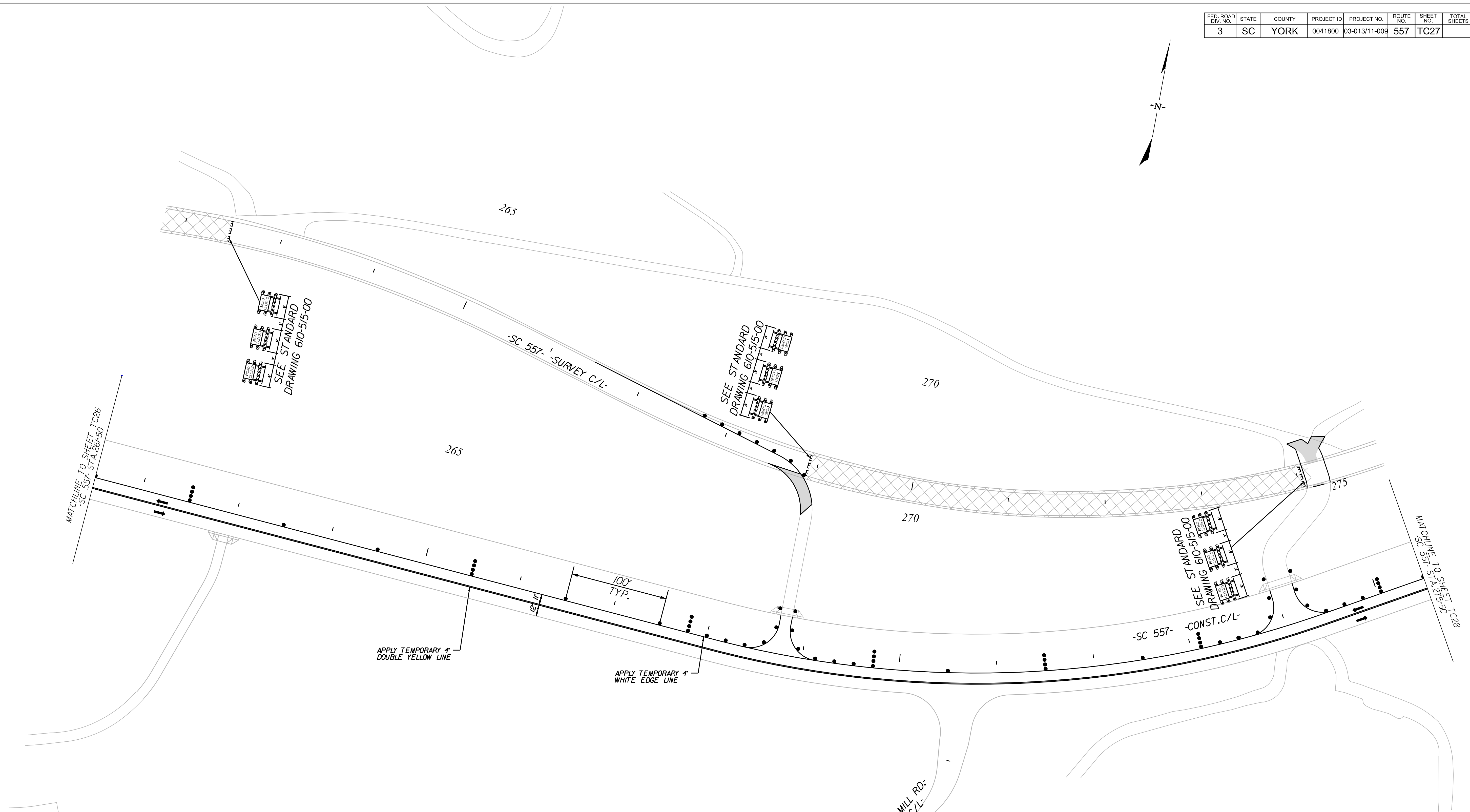
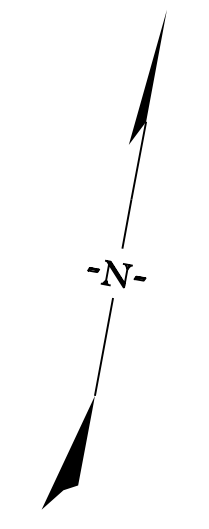
7500 E. INDEPENDENCE BLVD, STE 100

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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC27	



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LEGEND	
	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

NOTE:

ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 3.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 3 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."

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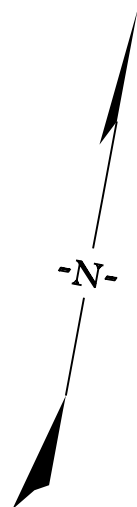
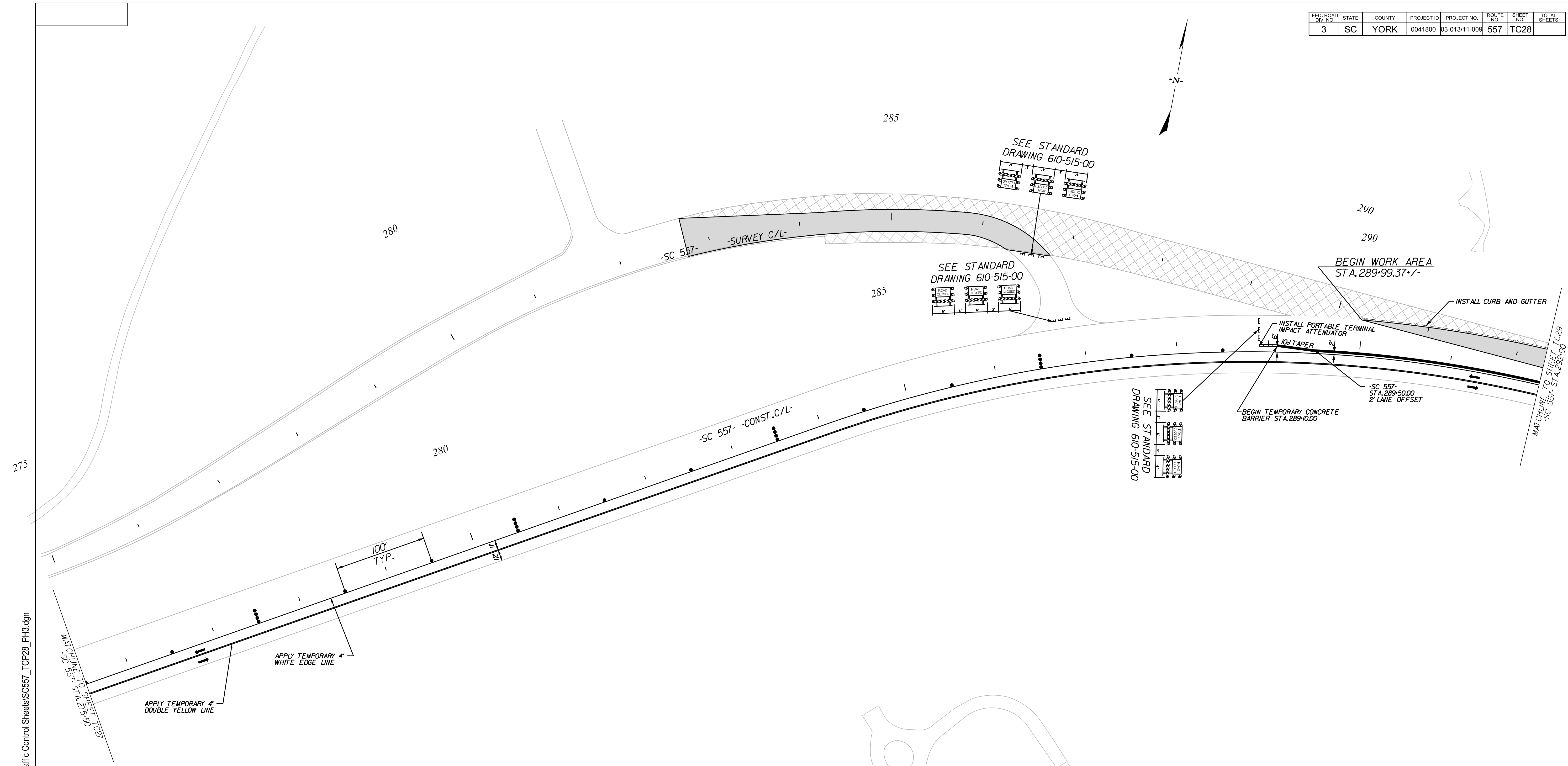
DWIS MILL RD:
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 ROAD WORK W/IELD
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YORK COUNTY PENNIES FOR PROGRESS		
TRAFFIC CONTROL PLAN STAGE 3 PHASE 2 STA. 261+50 TO STA. 275+50		
SCALE 1"= 50'	RTE. SC 557	DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC28	



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LEGEND	
	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

NOTE:

ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 3.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 3 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00." 7/27/2023

NOTE:
SEE SHEET TC41 FOR SECTION VIEWS

REGISTERED PROFESSIONAL ENGINEER

Steve A. Drum

No. 17359

7/27/2023

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NC License # P-1333

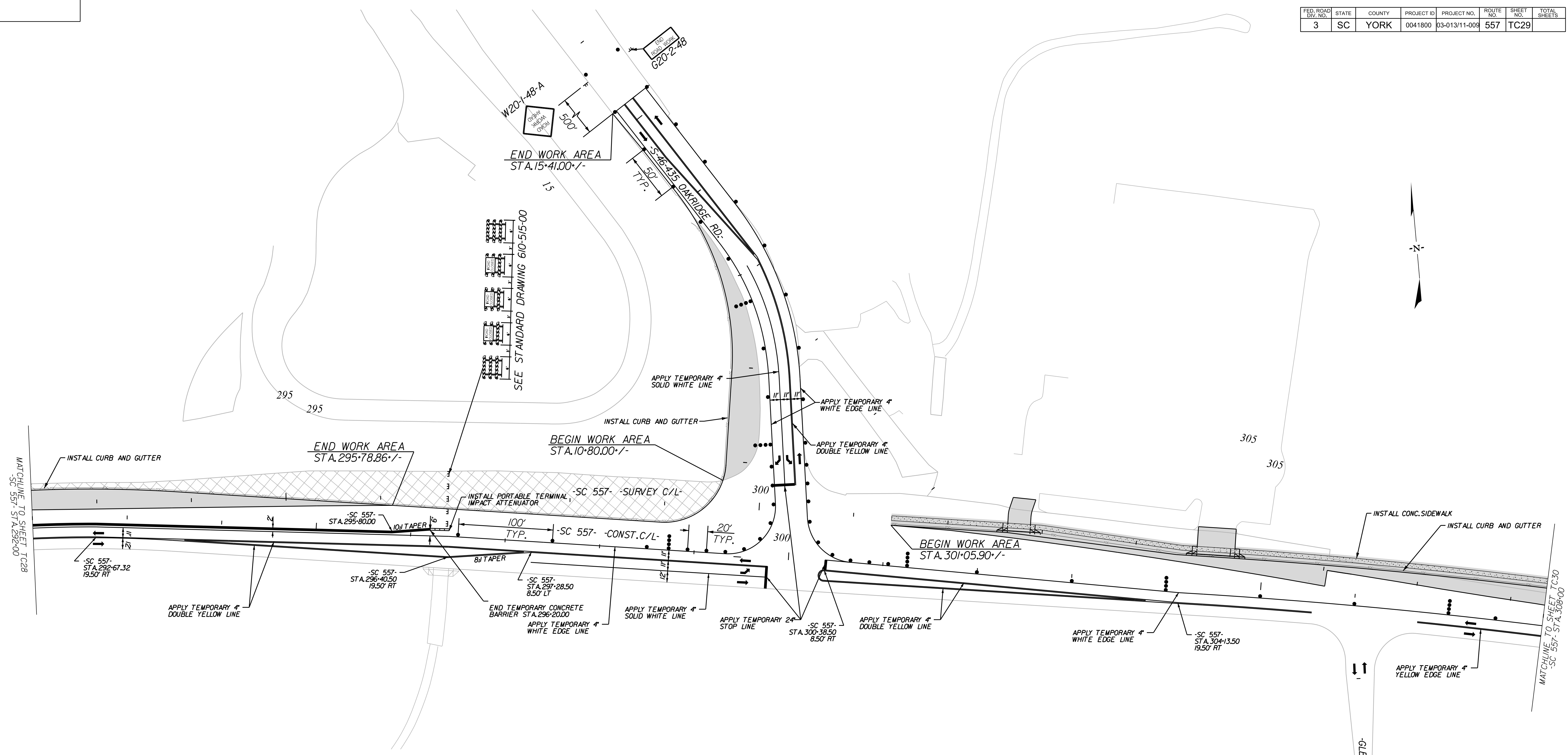
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YORK COUNTY
PENNIES FOR PROGRESS

**TRAFFIC CONTROL PLAN
STAGE 3 PHASE 2
STA. 275+50 TO STA. 292+00**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC29	



NOTE:
SEE SHEET TC41 FOR SECTION VIEWS

LEGEND	
	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

NOTE:
ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 3.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 3 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00." 7/27/2023

NOTE:
DISCONNECT AND REMOVE EXISTING SIGNAL EQUIPMENT. MODIFY TEMPORARY SIGNAL INSTALLED IN PREVIOUS STAGE IN ACCORDANCE WITH SIGNAL PLAN SHEET TTST2.2.

10/14/2022
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DocuSigned by:
Steve A. Drilum
No. 17359

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R/W		DATE	

YORK COUNTY
PENNIES FOR PROGRESS

**TRAFFIC CONTROL PLAN
STAGE 3 PHASE 2
STA. 292+00 TO STA. 308+00**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC30	

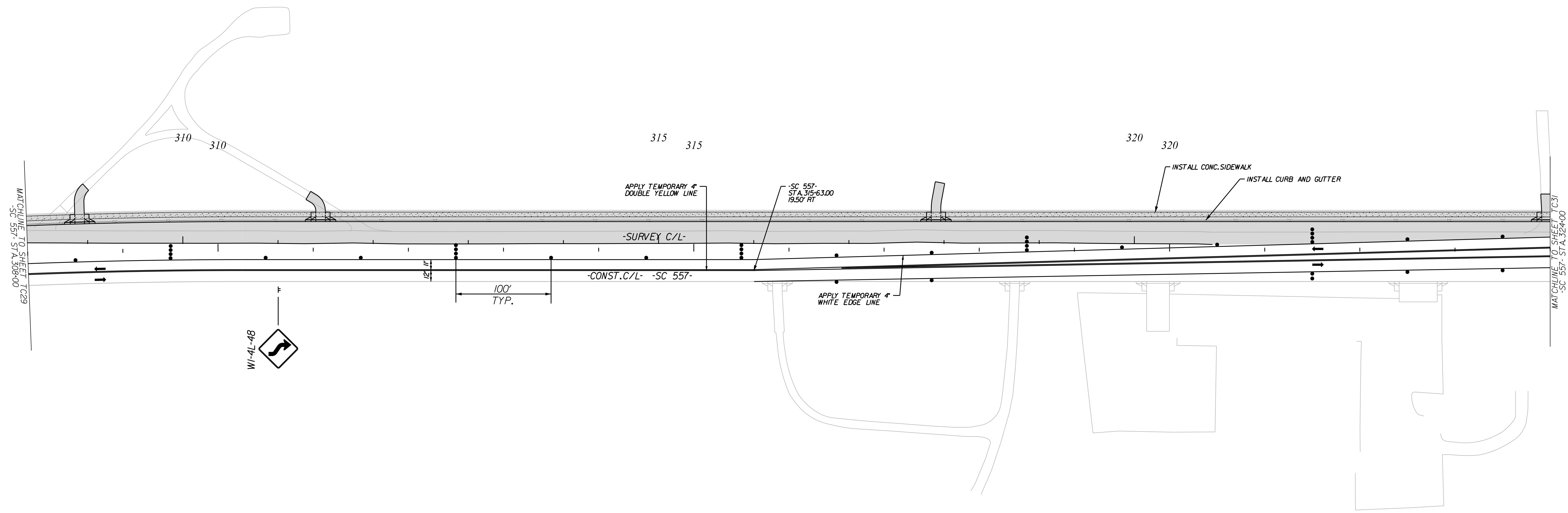
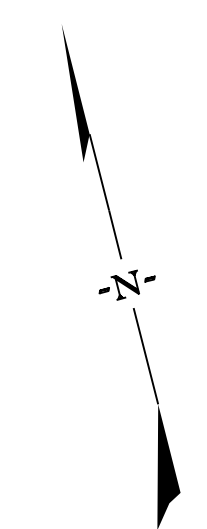
NOTE:

ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 3.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 3 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



LEGEND	
	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

10/14/2022
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DocuSigned by:
Steve A. Drum
7/27/2023

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
No. 17359
STEVE A. DRUM

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
No. C00957

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4						YORK COUNTY PENNIES FOR PROGRESS TRAFFIC CONTROL PLAN STAGE 3 PHASE 2 STA. 308+00 TO STA. 324+00
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REV. NO.	BY	DATE	DATE	DESCRIPTION OF REVISION		
TOPO.		DATE				
DWG.		DATE				
R/W		DATE				
SQUAD						
SCALE 1"= 50'						RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC31	

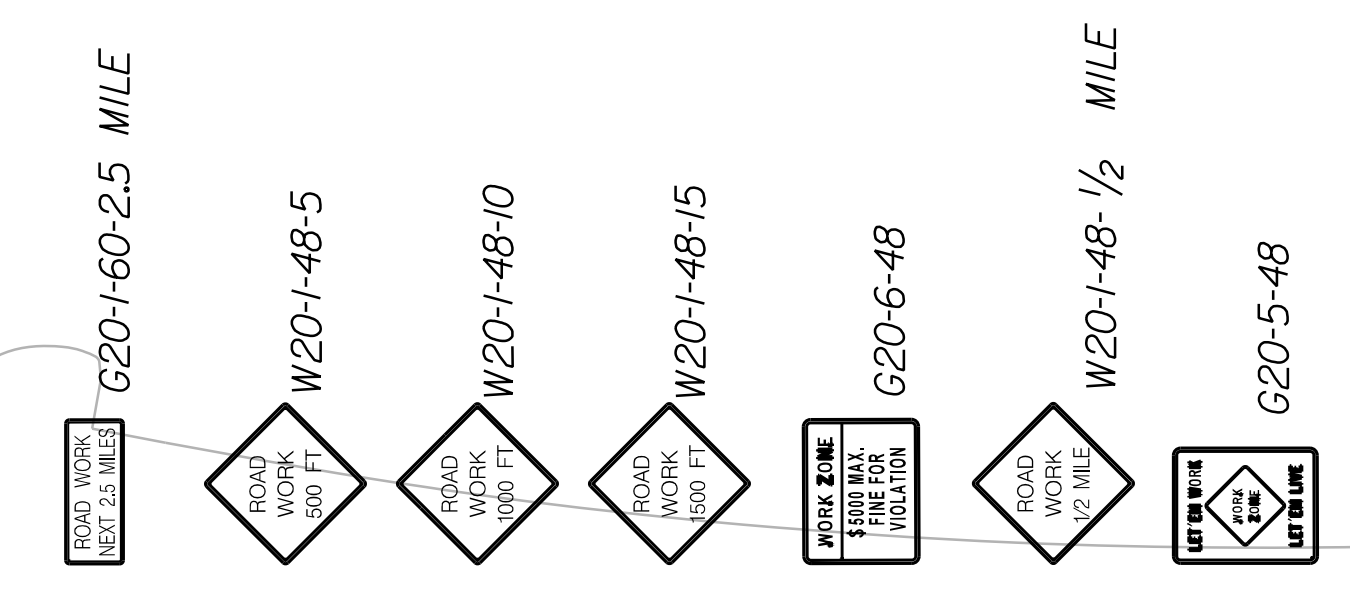
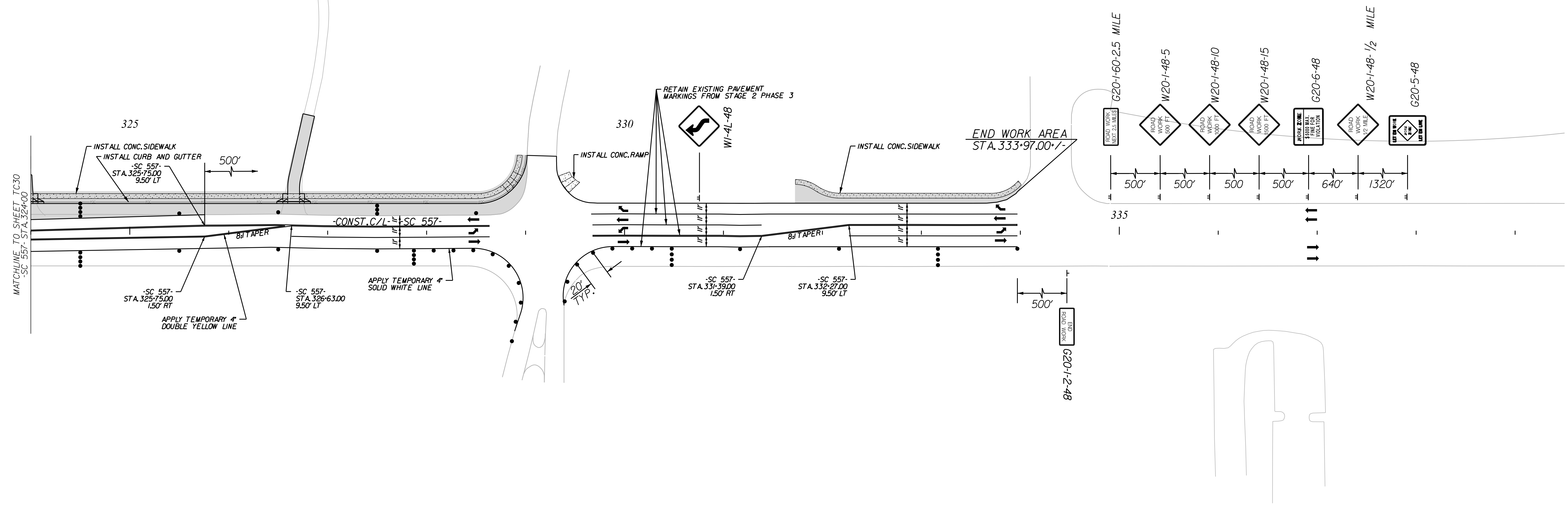
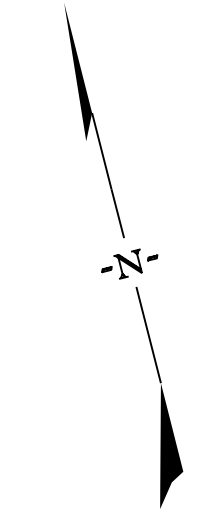
NOTE:

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SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 3.

MAINTAIN ALL EXISTING ROADWAYS OPEN TO TRAFFIC DURING STAGE 3 CONSTRUCTION.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



LEGEND

	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEETS

7/27/2023

DocuSigned by:
Steve A. Drum
No. 17359

NIVIS
NIVS ENGINEERS & CONSULTANTS, INC.
No. C00957

NIVS ENGINEERS & CONSULTANTS, INC.
7500 E. INDEPENDENCE BLVD, STE 100
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NC License # P-1333

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

YORK COUNTY PENNIES FOR PROGRESS	
TRAFFIC CONTROL PLAN STAGE 3 PHASE 2 STA. 324+00 TO STA. 339+50	
SCALE 1"= 50'	RTE. SC 557 DWG. NO.

10/14/2022
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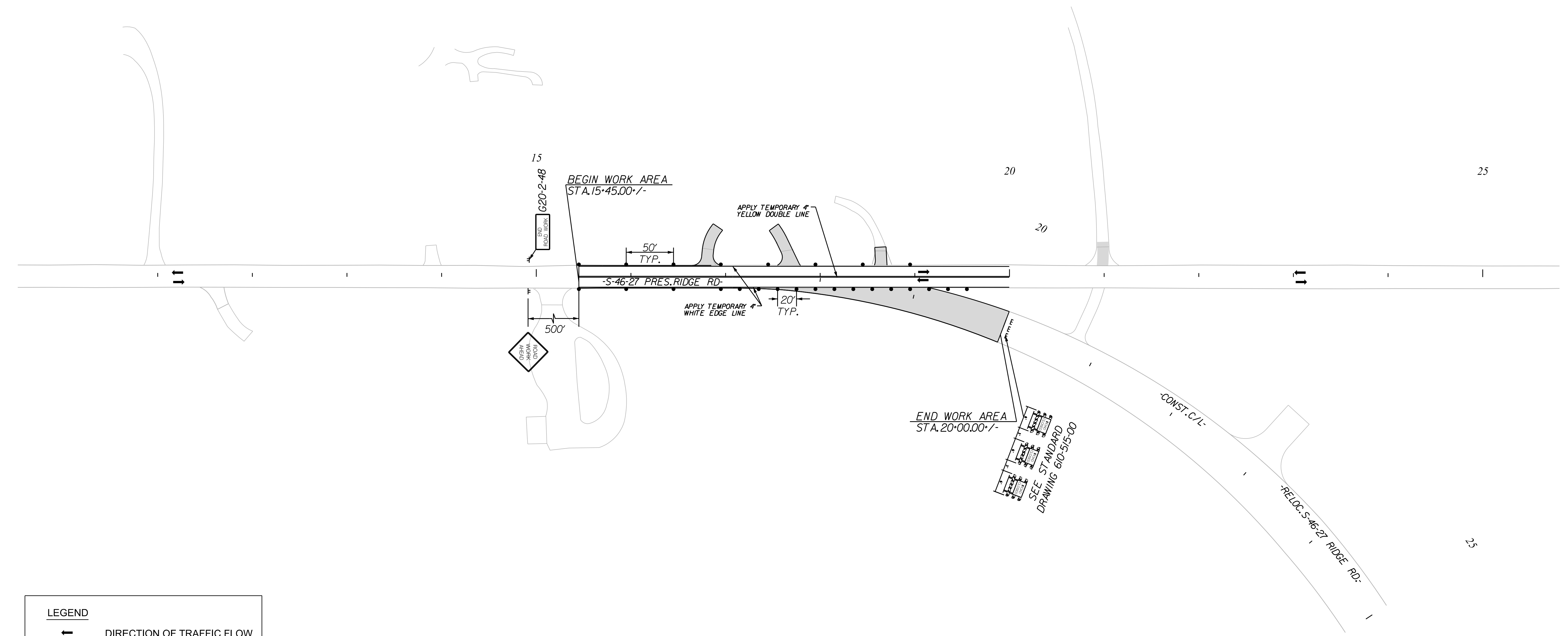
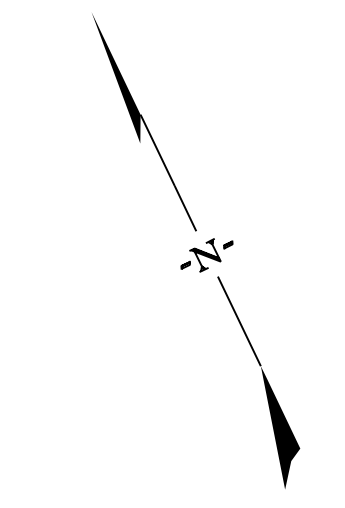
FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC32	

NOTE:

ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 4.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



LEGEND	
	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

3/25/2023
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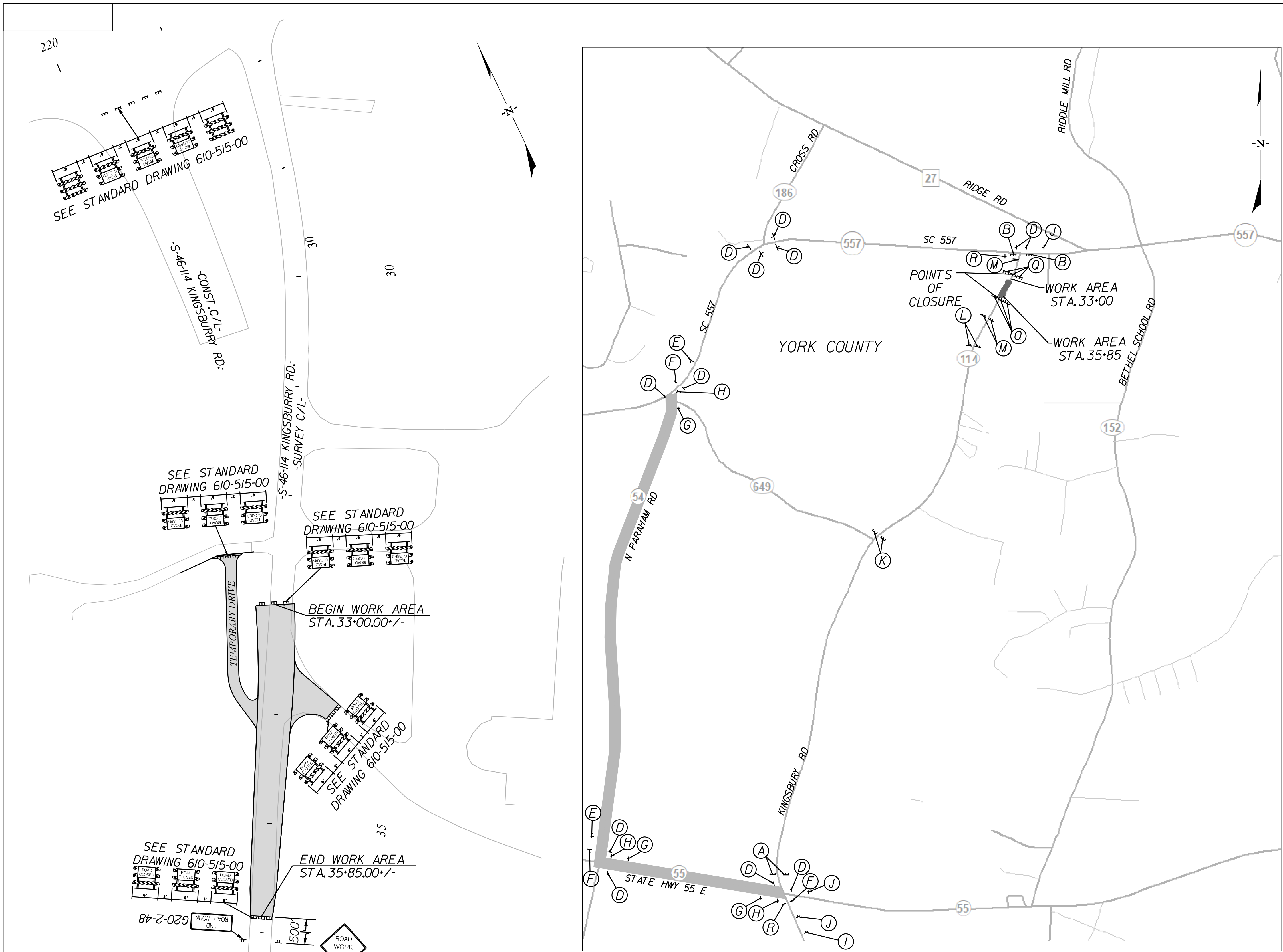
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	SQUAD
R/W		DATE	

YORK COUNTY
 PENNIES FOR PROGRESS

**TRAFFIC CONTROL PLAN
 STAGE 4 PHASE 1
 RIDGE RD
 STA. 15+45 TO STA. 25+00**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC33	



A ROAD CLOSED 2 MILES AHEAD LOCAL TRAFFIC ONLY DETOUR R11-3a-60-2 M4-10L-48 ON TYPE III BARRICADES	B ROAD CLOSED 0.1 MILES AHEAD LOCAL TRAFFIC ONLY DETOUR R11-3a-60-J M4-10R-48 ON TYPE III BARRICADES	C ROAD CLOSED DETOUR R11-2-48 M4-10R-48 ON TYPE III BARRICADES	D DETOUR M4-9-30	E DETOUR M4-9JL-30
F DETOUR M4-9L-30	G DETOUR M4-9JR-30	H DETOUR M4-9JR-30	I ROAD CLOSED AHEAD W20-3-48-A	J DETOUR AHEAD W20-2-48-A
K ROAD CLOSED 0.7 MILES AHEAD LOCAL TRAFFIC ONLY R11-3a-60-07 ON TYPE III BARRICADES	L ROAD CLOSED 1000 FT W20-3-48-10 2-16" ORANGE FLAGS TYPE "B" WARNING LIGHT	M ROAD CLOSED 500 FT W20-3-48-5 2-16" ORANGE FLAGS TYPE "B" WARNING LIGHT	O ROAD CLOSED R11-2-48 ON TYPE III BARRICADES	R END DETOUR M4-8A-24

LEGEND

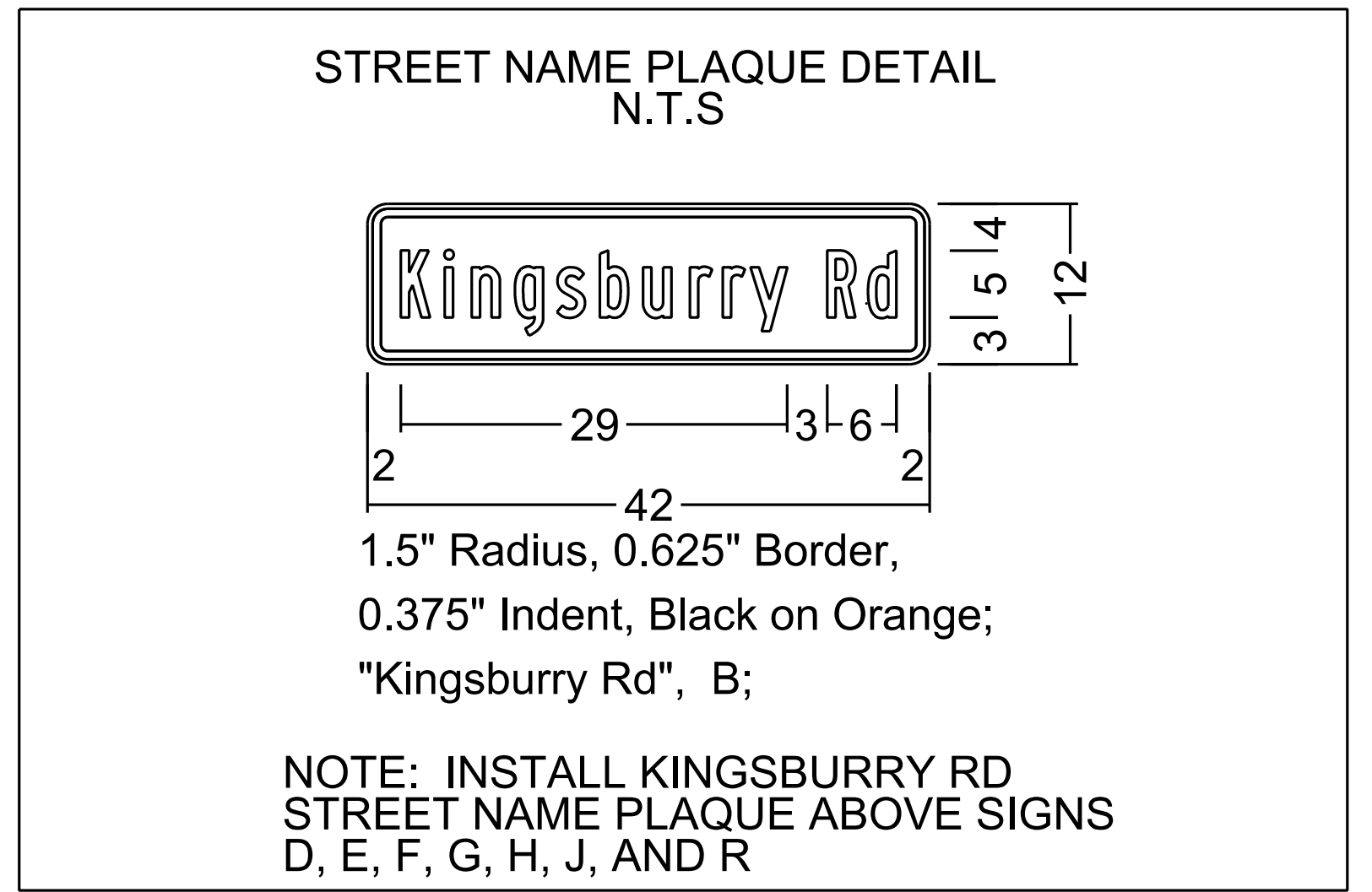
	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

NOTE:

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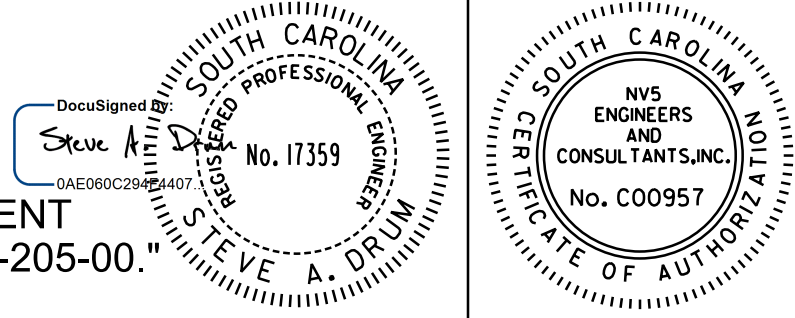
CLOSE S-114 IN ACCORDANCE WITH STANDARD DRAWING 610-510-00.
DETOUR S-114 IN ACCORDANCE WITH STANDARD DRAWING 610-610-00.
MAXIMUM CLOSURE DURATION IS 7 CALENDAR DAYS. SEE SPECIAL PROVISIONS

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."



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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

YORK COUNTY
PENNIES FOR PROGRESS

TRAFFIC CONTROL PLAN
STAGE 4 PHASE 1
KINGSBURY ROAD
STA. 29+65.90 TO STA. 36+74.50

SCALE 1"= 50' RTE. SC 557 DWG. NO.

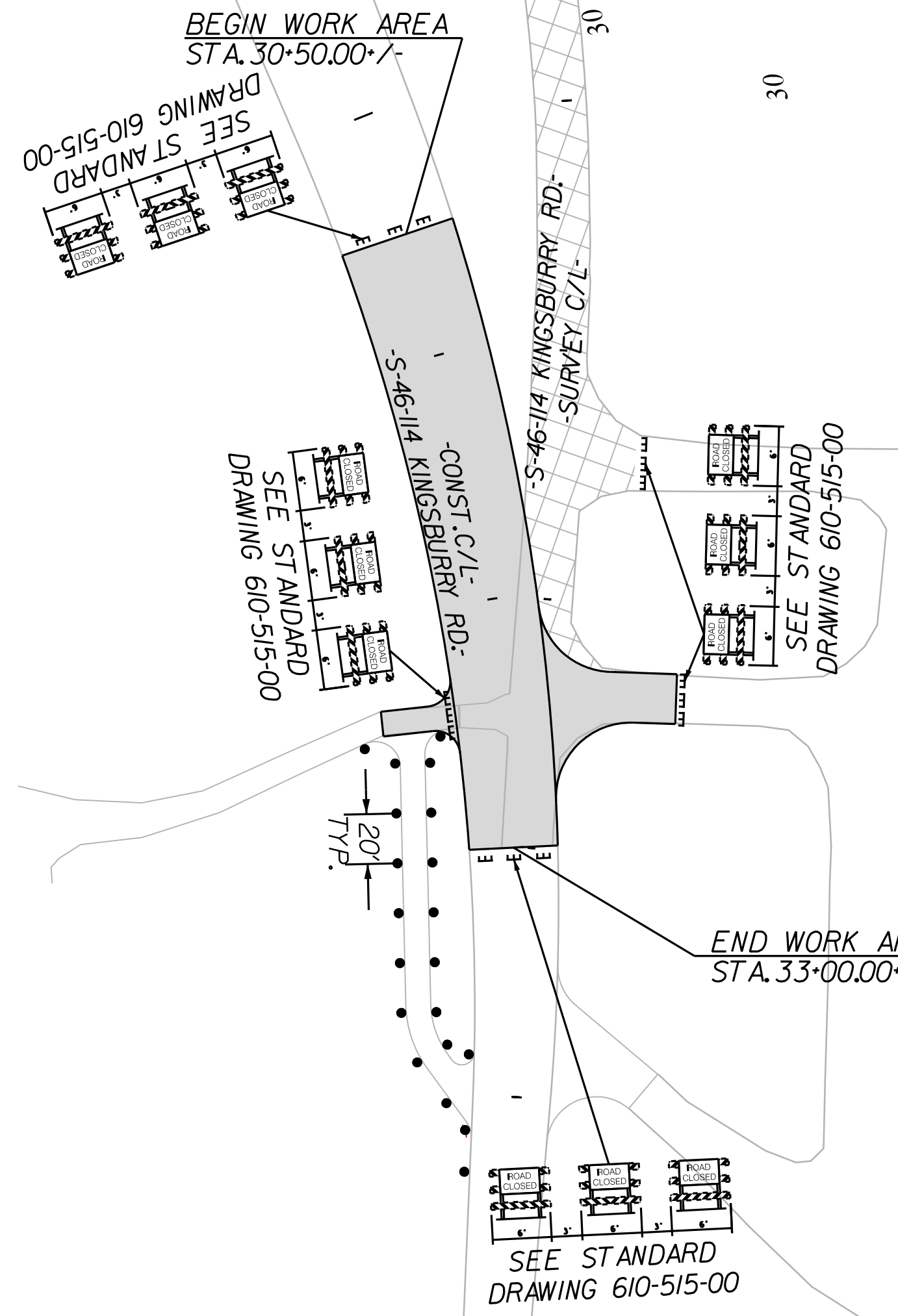
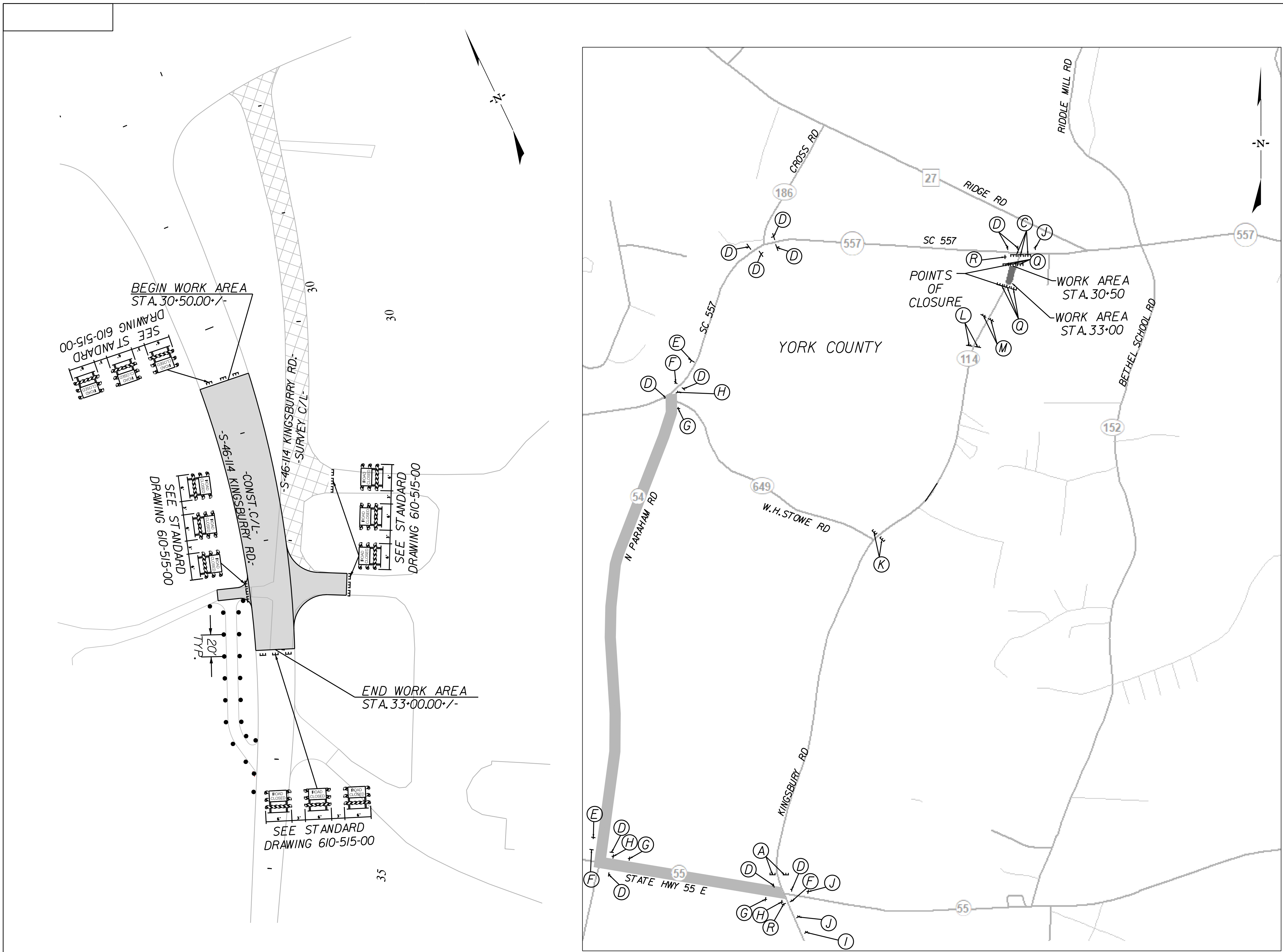
FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC34	

(A)	(B)	(C)	(D)	(E)
ROAD CLOSED 2 MILES AHEAD LOCAL TRAFFIC ONLY 	ROAD CLOSED 0.1 MILES AHEAD LOCAL TRAFFIC ONLY 	ROAD CLOSED 	DETOUR 	DETOUR
R11-3a-60-2 M4-10L-48 ON TYPE III BARRICADES	R11-3a-60-J M4-10R-48 ON TYPE III BARRICADES	R11-2-48 M4-10R-48 ON TYPE III BARRICADES	M4-9-30	M4-9JL-30
(F)	(G)	(H)	(I)	(J)
DETOUR 	DETOUR 	DETOUR 	ROAD CLOSED AHEAD 	DETOUR AHEAD
M4-9L-30	M4-9JR-30	M4-9JR-30	W20-3-48-A	W20-2-48-A
(K)	(L)	(M)		
ROAD CLOSED 0.7 MILES AHEAD LOCAL TRAFFIC ONLY 	ROAD CLOSED 1000 FT 	ROAD CLOSED 500 FT 		
R11-3a-60-07 ON TYPE III BARRICADES	W20-3-48-10 2- 16" ORANGE FLAGS TYPE "B" WARNING LIGHT	W20-3-48-5 2- 16" ORANGE FLAGS TYPE "B" WARNING LIGHT		
(O)	(R)			
ROAD CLOSED 	END DETOUR 			
R11-2-48 ON TYPE III BARRICADES	M4-8A-24			

STREET NAME PLAQUE DETAIL
N.T.S

1.5" Radius, 0.625" Border,
0.375" Indent, Black on Orange;
"Kingsbury Rd", B;

**NOTE: INSTALL KINGSBURY RD
STREET NAME PLAQUE ABOVE SIGNS
D, E, F, G, H, J, AND R**



LEGEND

	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

NOTE:
ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

CLOSE S-114 IN ACCORDANCE WITH STANDARD DRAWING 610-510-00.
DETOUR S-114 IN ACCORDANCE WITH STANDARD DRAWING 610-610-00.
MAXIMUM CLOSURE DURATION IS 7 CALENDAR DAYS. SEE SPECIAL PROVISIONS.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00." 7/27/2023

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

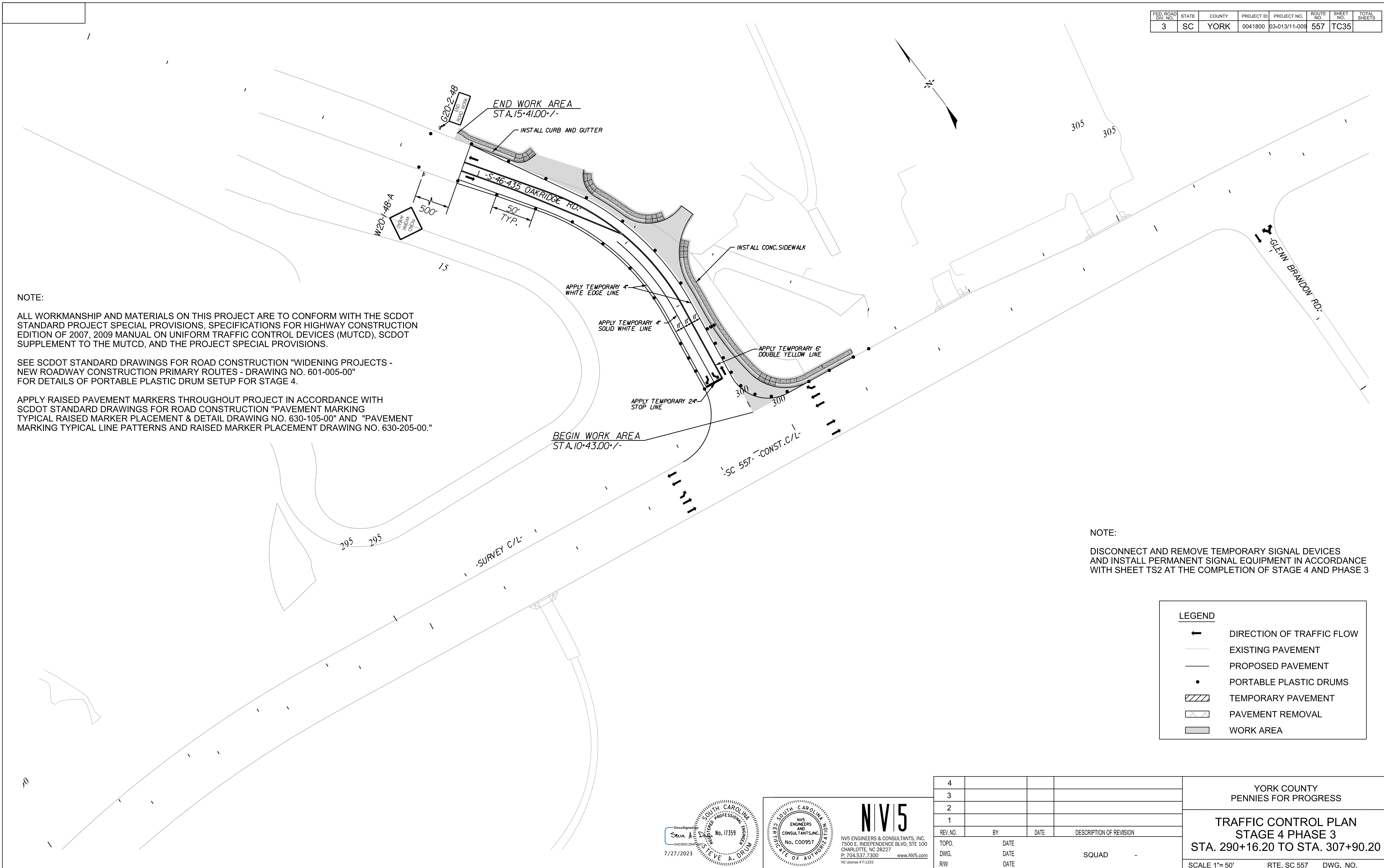
YORK COUNTY
PENNIES FOR PROGRESS

**TRAFFIC CONTROL PLAN
STAGE 4 PHASE 2
KINGSBURY ROAD
STA. 29+65.90 TO STA. 36+74.50**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC35	



NOTE:

ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

SEE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "WIDENING PROJECTS - NEW ROADWAY CONSTRUCTION PRIMARY ROUTES - DRAWING NO. 601-005-00" FOR DETAILS OF PORTABLE PLASTIC DRUM SETUP FOR STAGE 4.

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NOTE:

DISCONNECT AND REMOVE TEMPORARY SIGNAL DEVICES AND INSTALL PERMANENT SIGNAL EQUIPMENT IN ACCORDANCE WITH SHEET TS2 AT THE COMPLETION OF STAGE 4 AND PHASE 3

LEGEND

- DIRECTION OF TRAFFIC FLOW
- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- PORTABLE PLASTIC DRUMS
- TEMPORARY PAVEMENT
- PAVEMENT REMOVAL
- WORK AREA

10/14/2022
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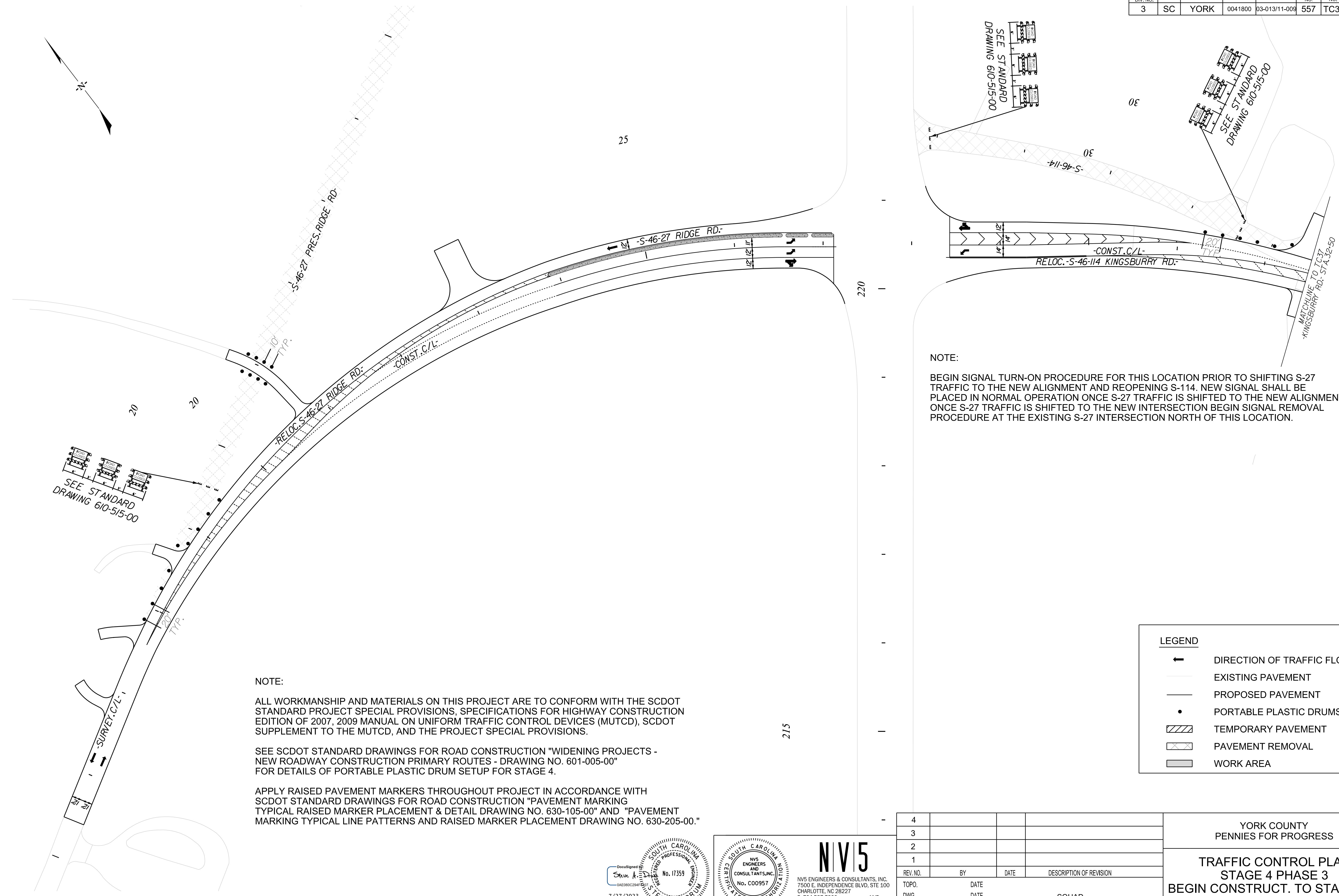
7/27/2023

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YORK COUNTY PENNIES FOR PROGRESS			
TRAFFIC CONTROL PLAN STAGE 4 PHASE 3 STA. 290+16.20 TO STA. 307+90.20			
SCALE 1"= 50' RTE. SC 557 DWG. NO.			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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TOPO.	DATE		
DWG.	DATE		
R/W	DATE		

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-008	557	TC36	



SEE STANDARD DRAWING 610-515-00

SEE STANDARD DRAWING 610-515-00

SEE STANDARD DRAWING 610-515-00

NOTE:
 BEGIN SIGNAL TURN-ON PROCEDURE FOR THIS LOCATION PRIOR TO SHIFTING S-27 TRAFFIC TO THE NEW ALIGNMENT AND REOPENING S-114. NEW SIGNAL SHALL BE PLACED IN NORMAL OPERATION ONCE S-27 TRAFFIC IS SHIFTED TO THE NEW ALIGNMENT. ONCE S-27 TRAFFIC IS SHIFTED TO THE NEW INTERSECTION BEGIN SIGNAL REMOVAL PROCEDURE AT THE EXISTING S-27 INTERSECTION NORTH OF THIS LOCATION.

NOTE:
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LEGEND

- ← DIRECTION OF TRAFFIC FLOW
- EXISTING PAVEMENT
- PROPOSED PAVEMENT
- PORTABLE PLASTIC DRUMS
- ▨ TEMPORARY PAVEMENT
- ▧ PAVEMENT REMOVAL
- ▭ WORK AREA

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

YORK COUNTY
 PENNIES FOR PROGRESS

**TRAFFIC CONTROL PLAN
 STAGE 4 PHASE 3
 BEGIN CONSTRUCT. TO STA. 32+50**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

3/26/2023
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7/27/2023

DocuSigned by:
 Steve A. Drum
 No. 17359

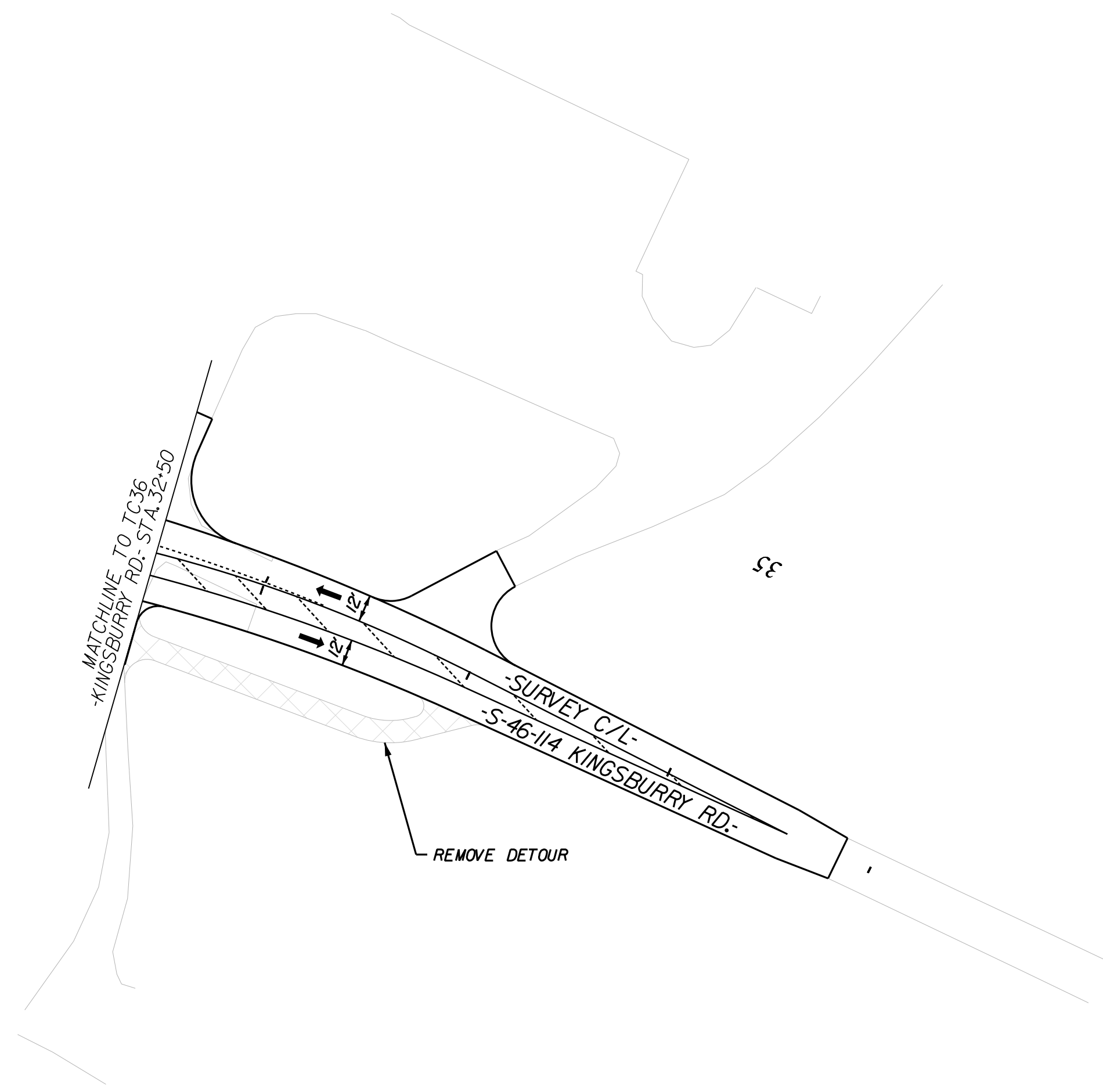
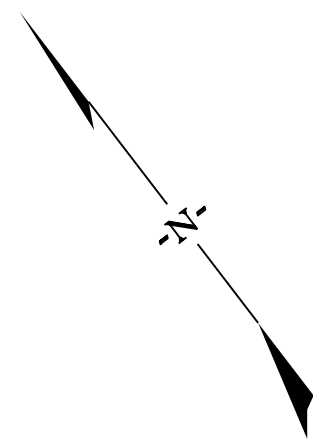
REGISTERED PROFESSIONAL ENGINEER
 STEVE A. DRUM

NVS ENGINEERS AND CONSULTANTS, INC.
 No. C00957

NVS

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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC37	



NOTE:

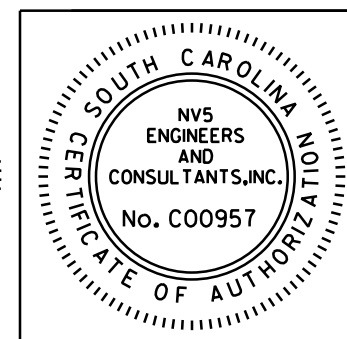
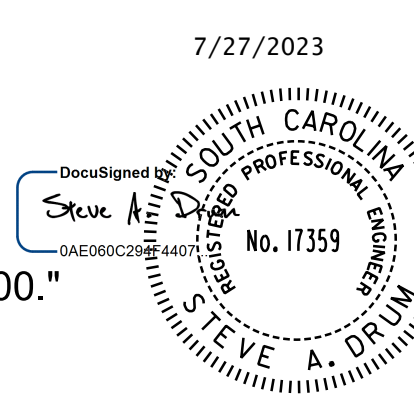
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LEGEND	
	DIRECTION OF TRAFFIC FLOW
	EXISTING PAVEMENT
	PROPOSED PAVEMENT
	PORTABLE PLASTIC DRUMS
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL
	WORK AREA

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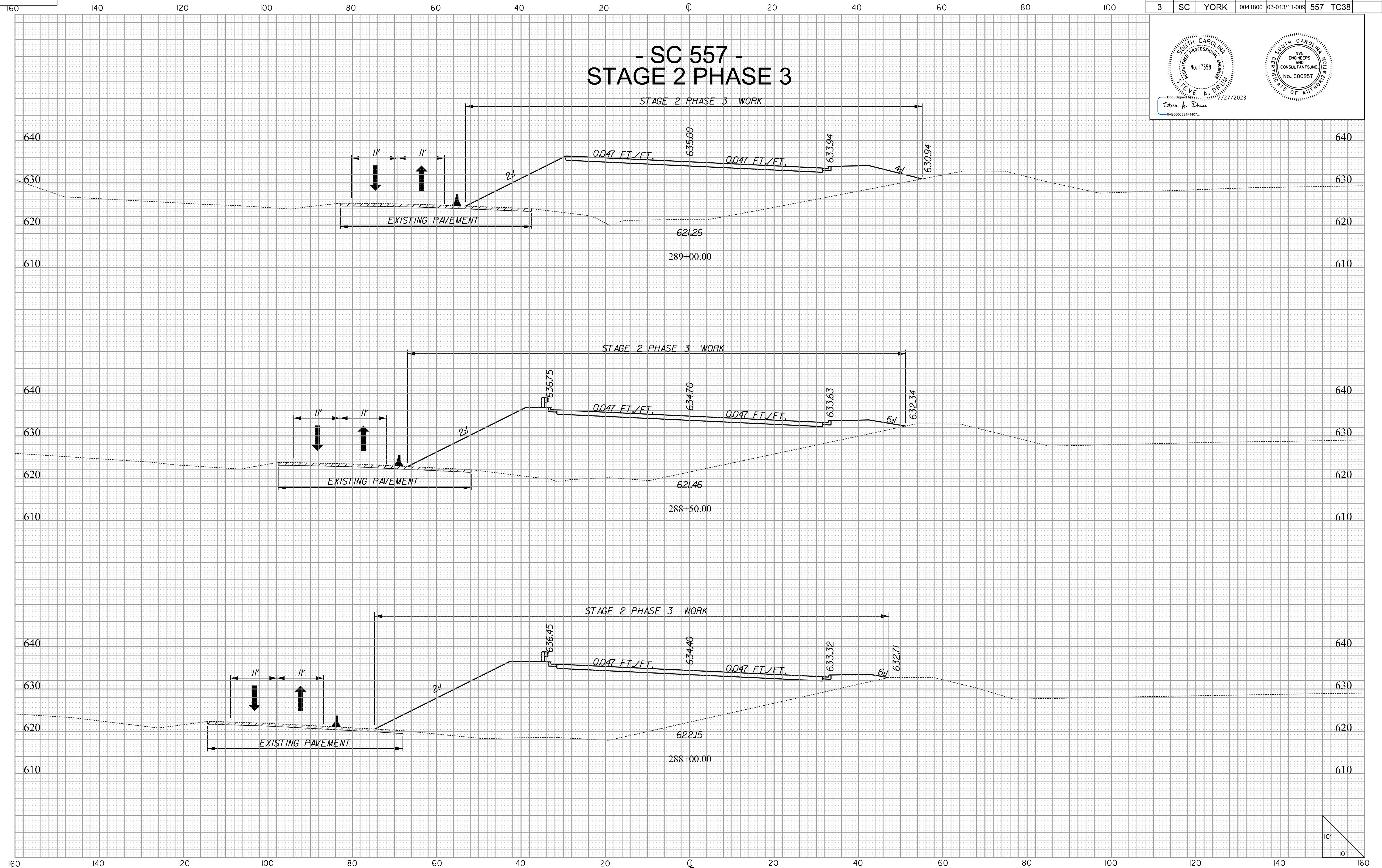
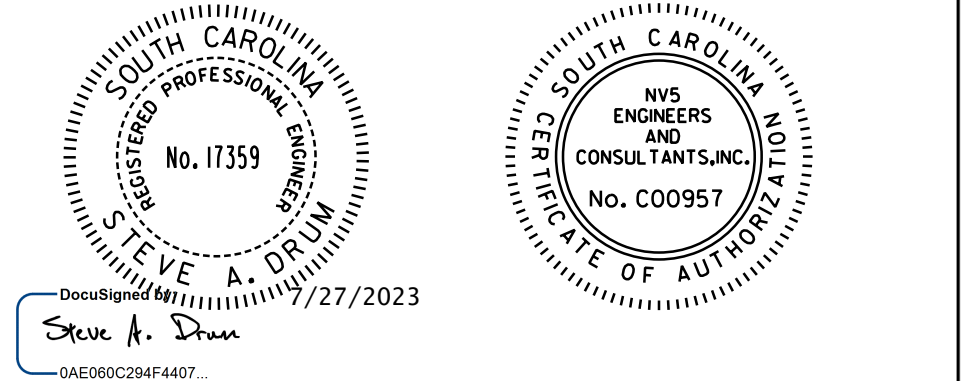
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	SQUAD
R/W		DATE	

YORK COUNTY PENNIES FOR PROGRESS	
TRAFFIC CONTROL PLAN STAGE 4 PHASE 3 STA. 32+50 TO END CONSTRUCT.	
SCALE 1"= 50'	RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC38	

- SC 557 - STAGE 2 PHASE 3

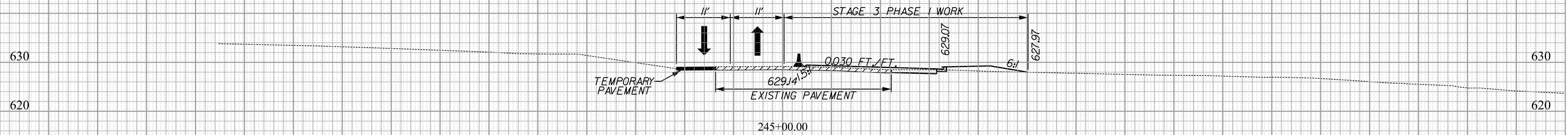
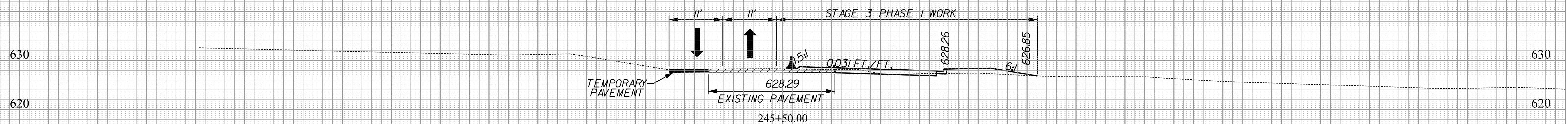
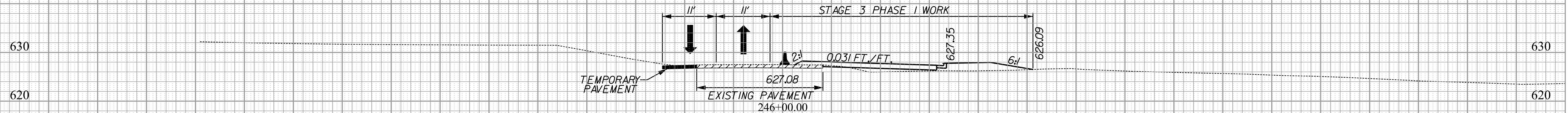
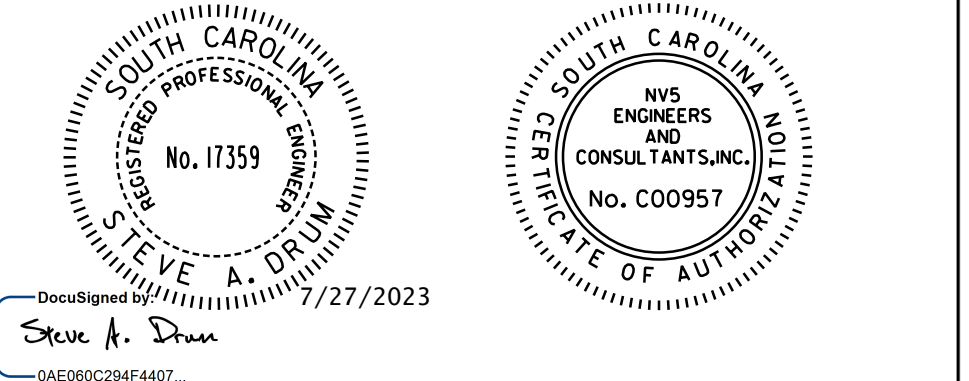


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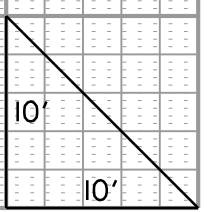
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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC39	

- SC 557 - STAGE 3 PHASE 1



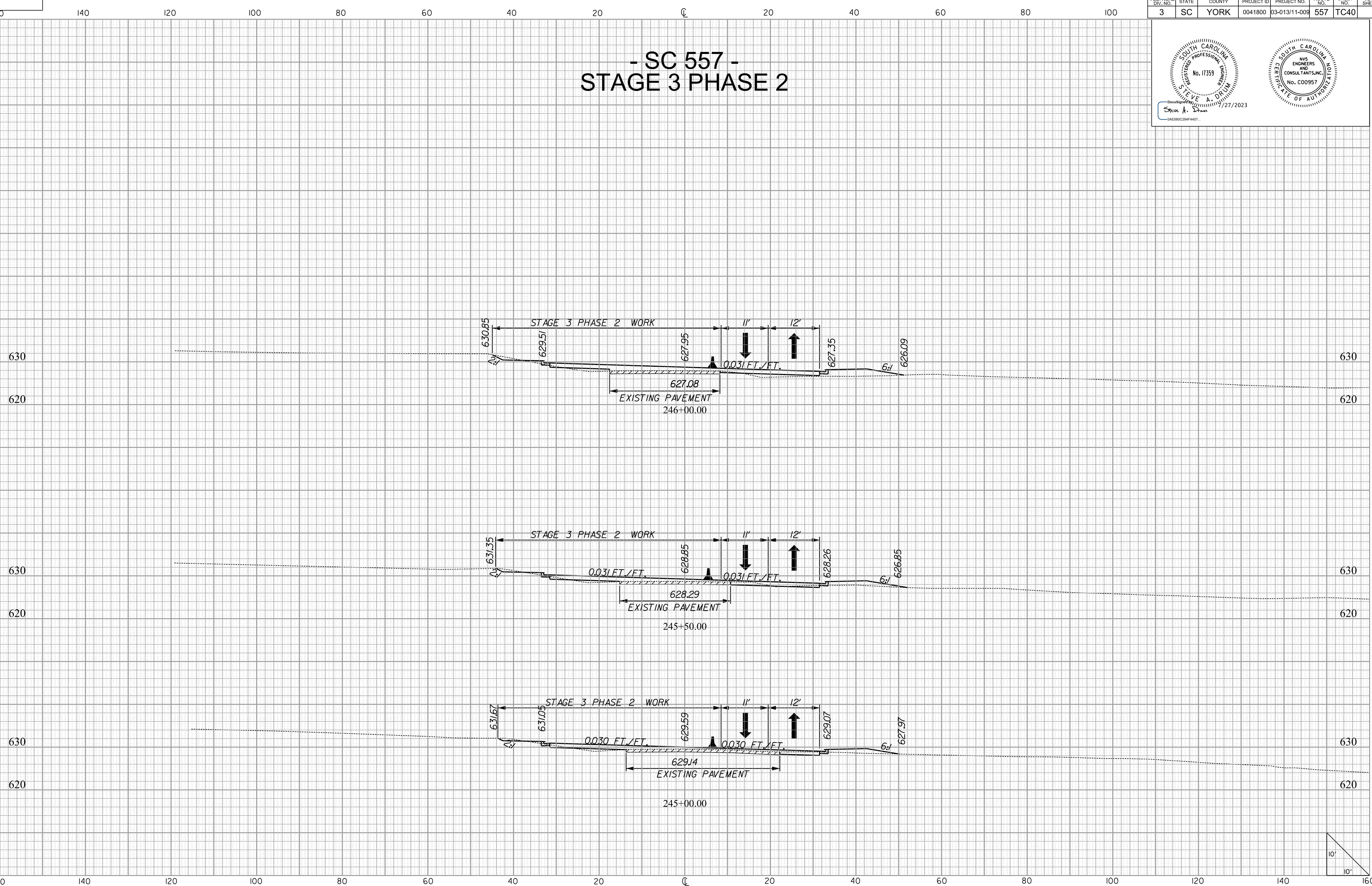
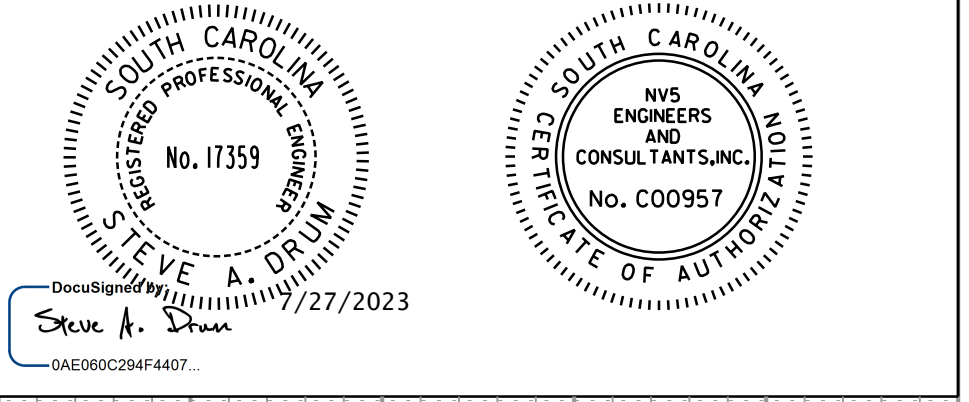
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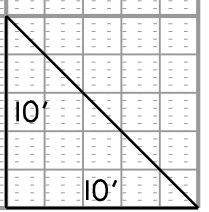
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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC40	

- SC 557 - STAGE 3 PHASE 2

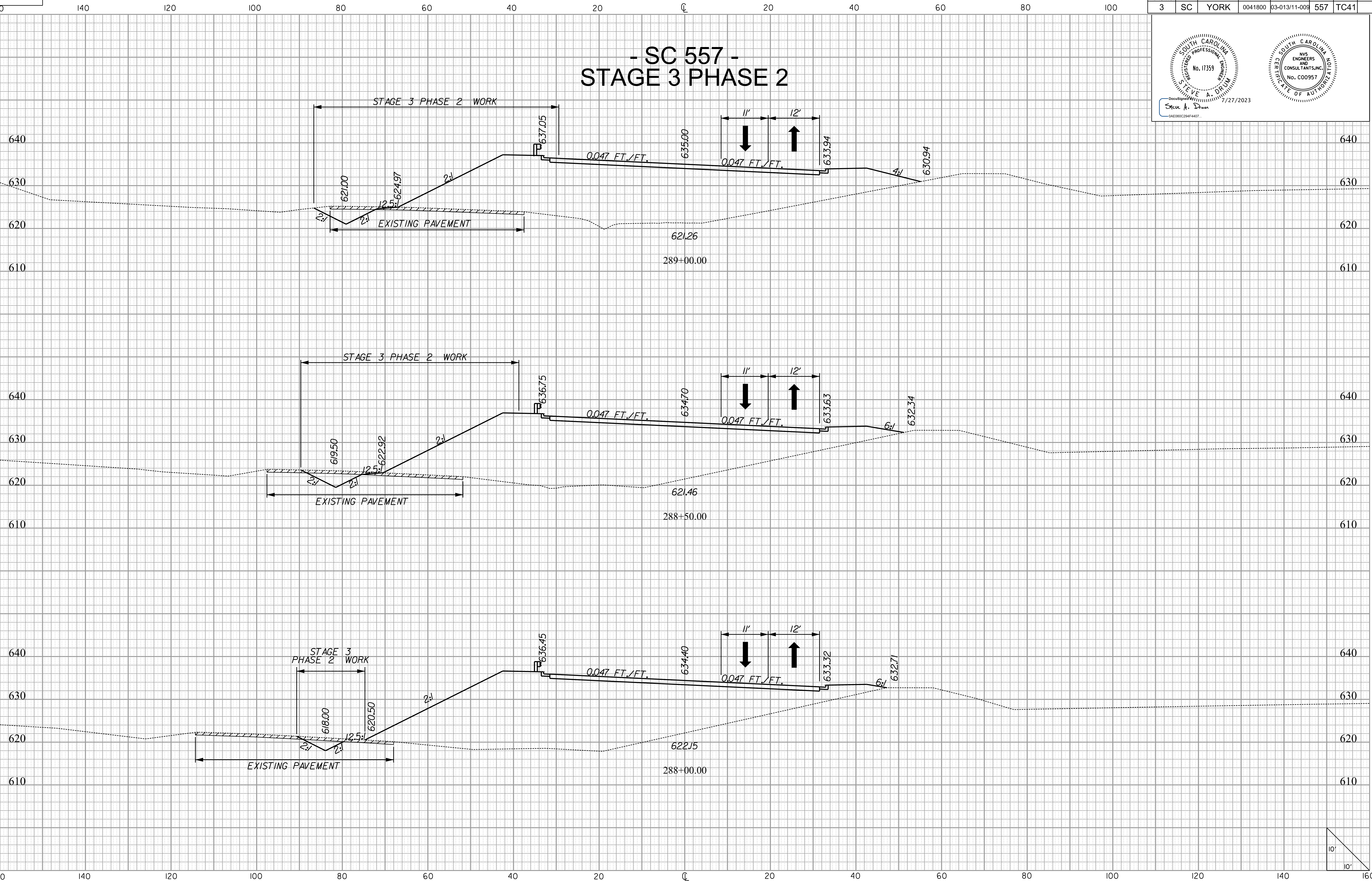
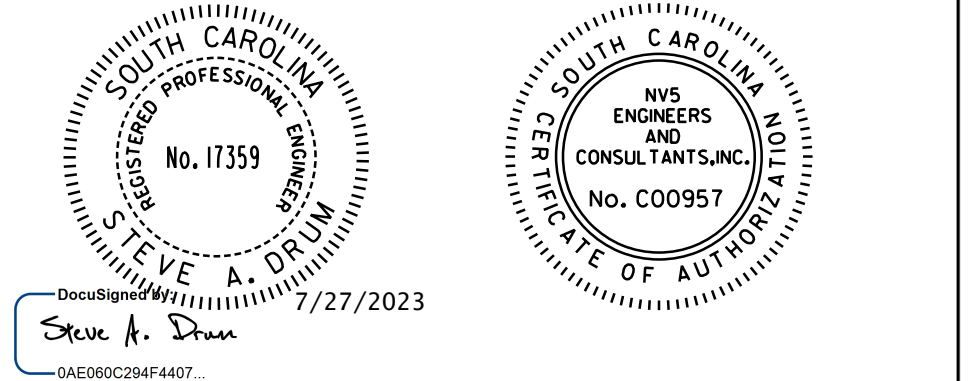


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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	TC41	

- SC 557 - STAGE 3 PHASE 2



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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	PM1	

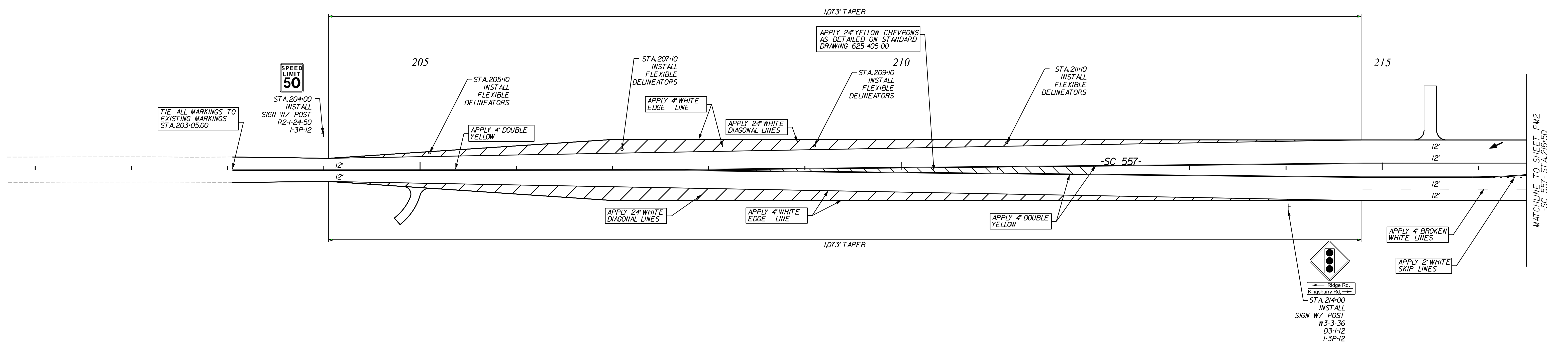
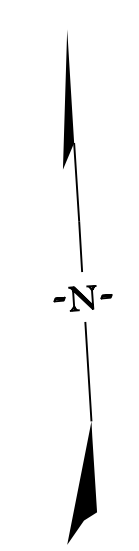
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APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."

THE FOLLOWING STANDARD DRAWINGS CONTAINED IN THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS FOR ROAD CONSTRUCTION APPLY TO THIS PROJECT:

- STD. 625-305-00 - STANDARD MARKINGS FOR INTERSECTIONS
- STD. 625-310-00 - TYPICAL MARKINGS FOR TURN LANE INSTALLATIONS
- STD. 625-405-00 - TRANSITION DIAGONAL MARKINGS
- STD. 625-410-00 - FOR ARROWS & ONLY(S)
- STD. 630-105-00 - RAISED MARKER PLACEMENT AND DETAIL
- STD. 630-205-00 - LINE PATTERNS AND RAISED MARKER PLACEMENT
- STD. 630-210-00 - MULTI-LANE ROADS RAISED MARKER PLACEMENT
- STD. 630-215-00 - CONCRETE ISLAND/MEDIAN PAINTING & RAISED MARKER PLACEMENT



3/25/2023
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DocuSigned by:
Steve A. Drummond
7/27/2023

STEVE A. DRUMMOND
No. 17359

STEVE A. DRUMMOND
No. 17359

NIV5
 NV5 ENGINEERS & CONSULTANTS, INC.
 7500 E. INDEPENDENCE BLVD, STE 100
 CHARLOTTE, NC 28227
 P: 704.537.7300 www.NV5.com
 NC License # P-1333

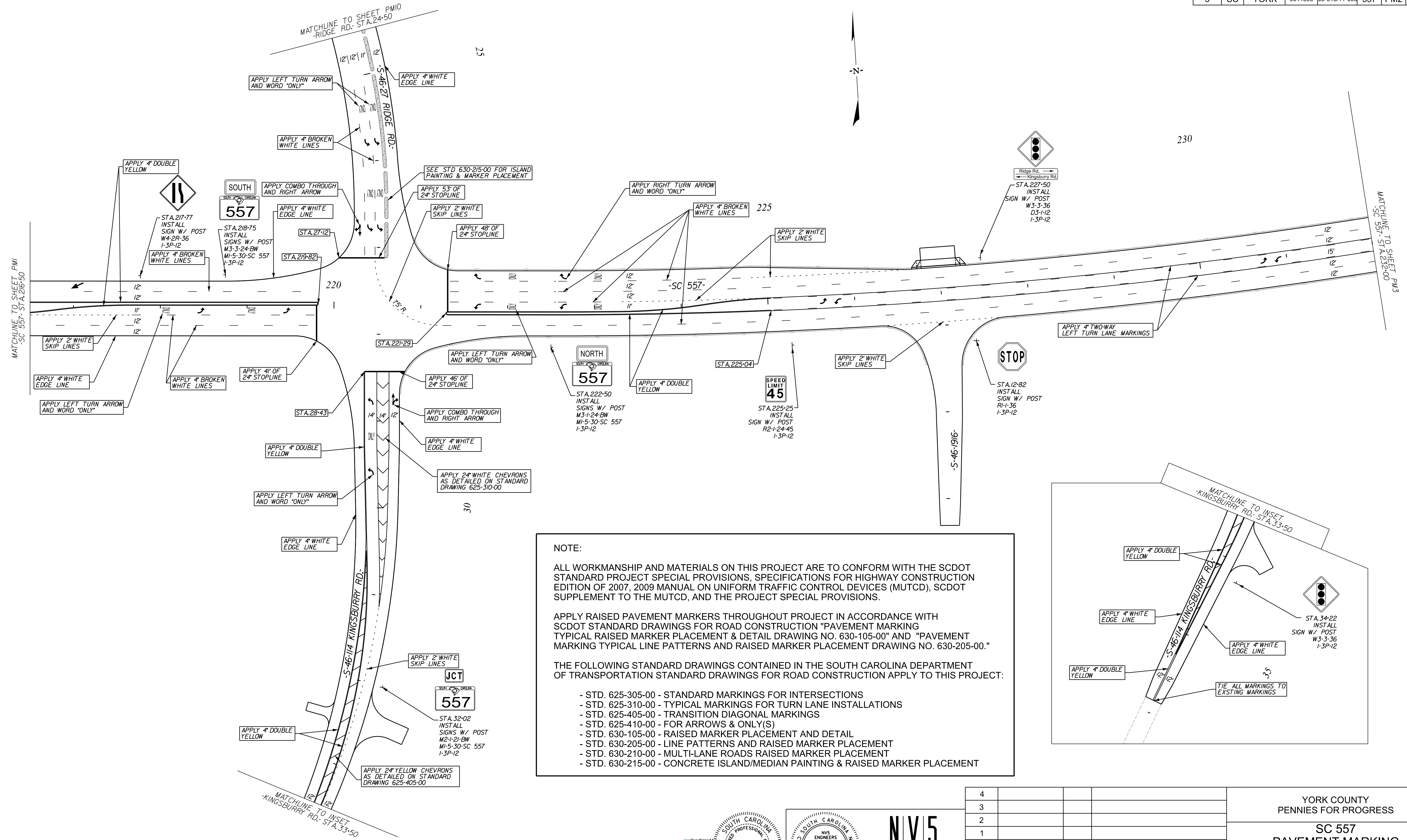
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DWG.		DATE		SQUAD
R/W		DATE		

YORK COUNTY
PENNIES FOR PROGRESS

**SC 557
PAVEMENT MARKING
& SIGNING PLAN
STA. 203+05 TO STA. 216+50**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	PM2	



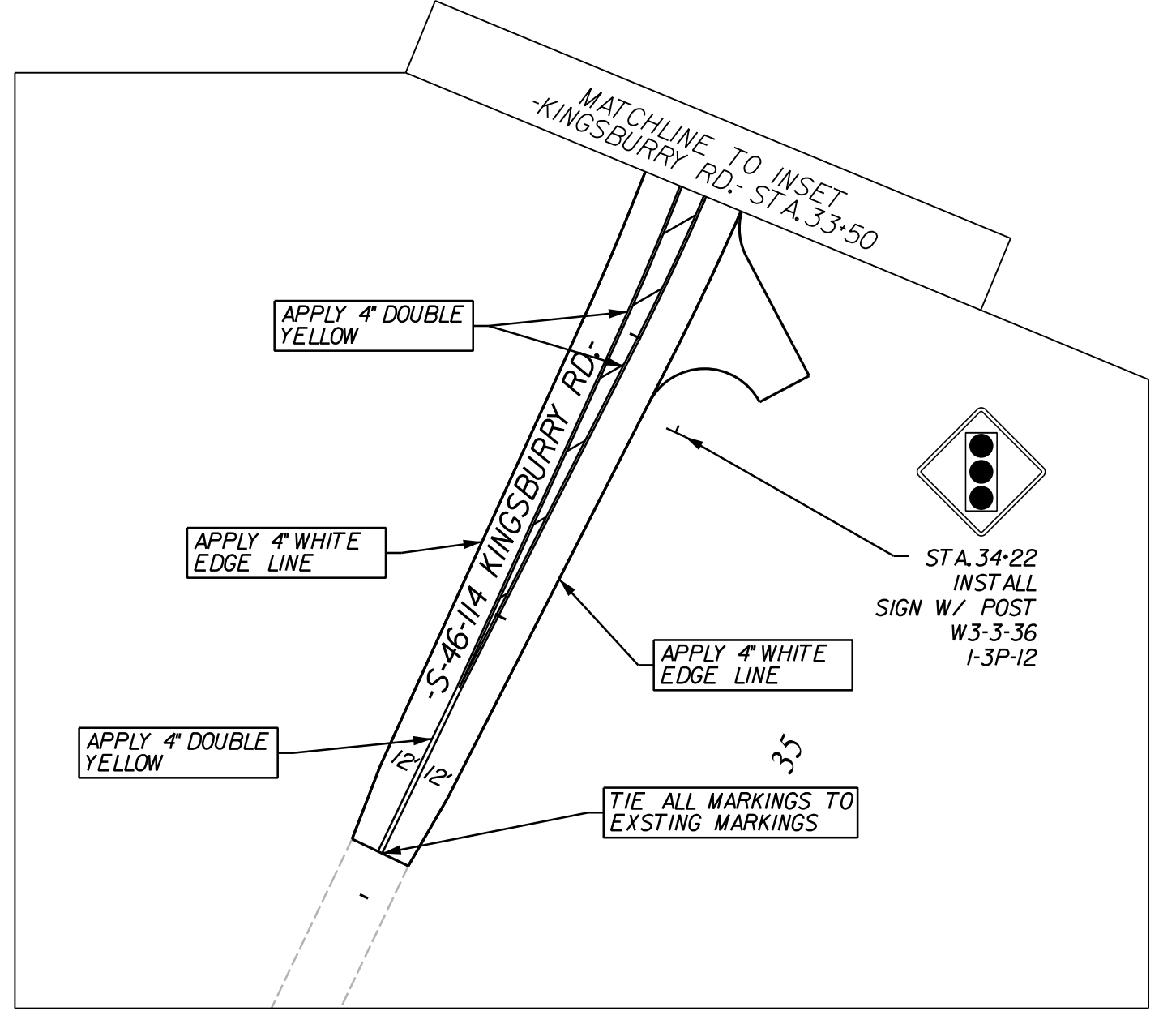
NOTE:

ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."

THE FOLLOWING STANDARD DRAWINGS CONTAINED IN THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS FOR ROAD CONSTRUCTION APPLY TO THIS PROJECT:

- STD. 625-305-00 - STANDARD MARKINGS FOR INTERSECTIONS
- STD. 625-310-00 - TYPICAL MARKINGS FOR TURN LANE INSTALLATIONS
- STD. 625-405-00 - TRANSITION DIAGONAL MARKINGS
- STD. 625-410-00 - FOR ARROWS & ONLY(S)
- STD. 630-105-00 - RAISED MARKER PLACEMENT AND DETAIL
- STD. 630-205-00 - LINE PATTERNS AND RAISED MARKER PLACEMENT
- STD. 630-210-00 - MULTI-LANE ROADS RAISED MARKER PLACEMENT
- STD. 630-215-00 - CONCRETE ISLAND/MEDIAN PAINTING & RAISED MARKER PLACEMENT



3/25/2023
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DocuSigned by:
Steve A. Drury
04E090C294E029

7/27/2023

NO. 17359

STEVE A. DRURY

REGISTERED PROFESSIONAL ENGINEER

STATE OF SOUTH CAROLINA

NO. C00957

NVS ENGINEERS AND CONSULTANTS, INC.

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 7500 E. INDEPENDENCE BLVD, STE 100
 CHARLOTTE, NC 28227
 P: 704.537.7300 www.NV5.com
 NC License # P-1333

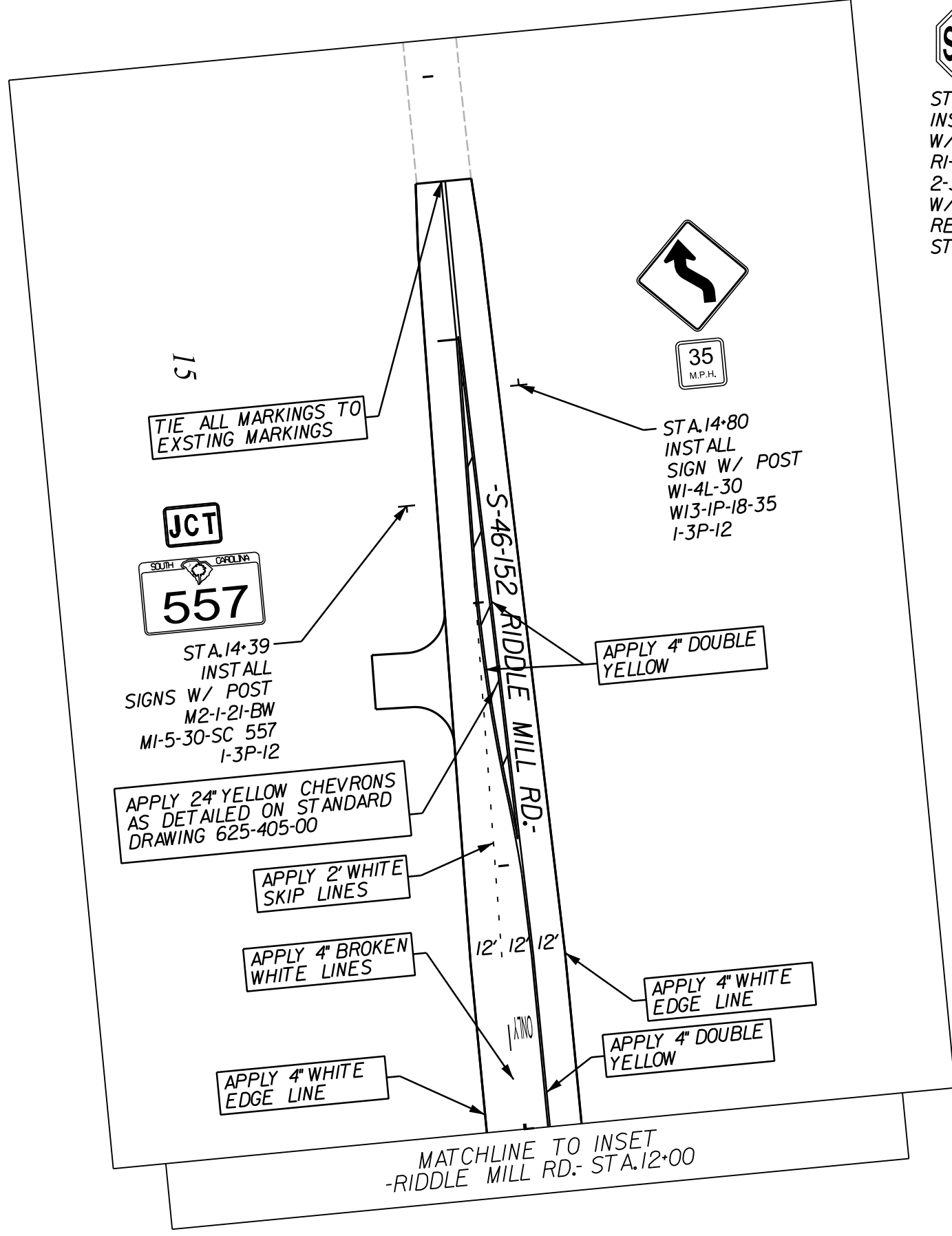
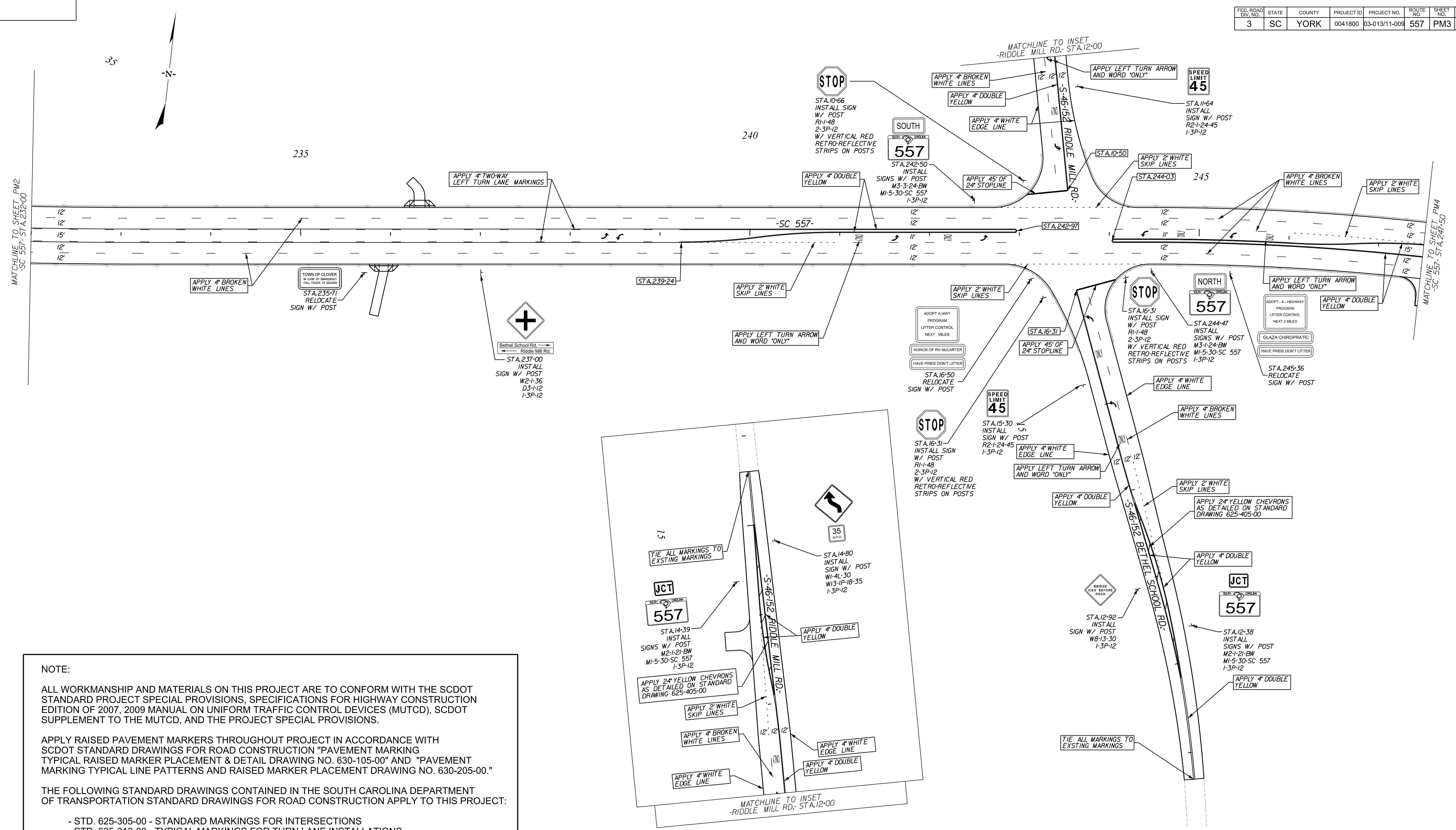
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DWG.		DATE		
R/W		DATE		

YORK COUNTY
PENNIES FOR PROGRESS

**SC 557
PAVEMENT MARKING
& SIGNING PLAN
STA. 216+50 TO STA. 232+00**

SCALE 1"=50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	PM3	



NOTE:

ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."

THE FOLLOWING STANDARD DRAWINGS CONTAINED IN THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS FOR ROAD CONSTRUCTION APPLY TO THIS PROJECT:

- STD. 625-305-00 - STANDARD MARKINGS FOR INTERSECTIONS
- STD. 625-310-00 - TYPICAL MARKINGS FOR TURN LANE INSTALLATIONS
- STD. 625-405-00 - TRANSITION DIAGONAL MARKINGS
- STD. 625-410-00 - FOR ARROWS & ONLY(S)
- STD. 630-105-00 - RAISED MARKER PLACEMENT AND DETAIL
- STD. 630-205-00 - LINE PATTERNS AND RAISED MARKER PLACEMENT
- STD. 630-210-00 - MULTI-LANE ROADS RAISED MARKER PLACEMENT
- STD. 630-215-00 - CONCRETE ISLAND/MEDIAN PAINTING & RAISED MARKER PLACEMENT

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REV. NO.	BY	DATE	DATE	DESCRIPTION OF REVISION
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YORK COUNTY
PENNIES FOR PROGRESS

SC 557
PAVEMENT MARKING
& SIGNING PLAN
STA. 232+00 TO STA. 247+50

SCALE 1"= 50' RTE. SC 557 DWG. NO.

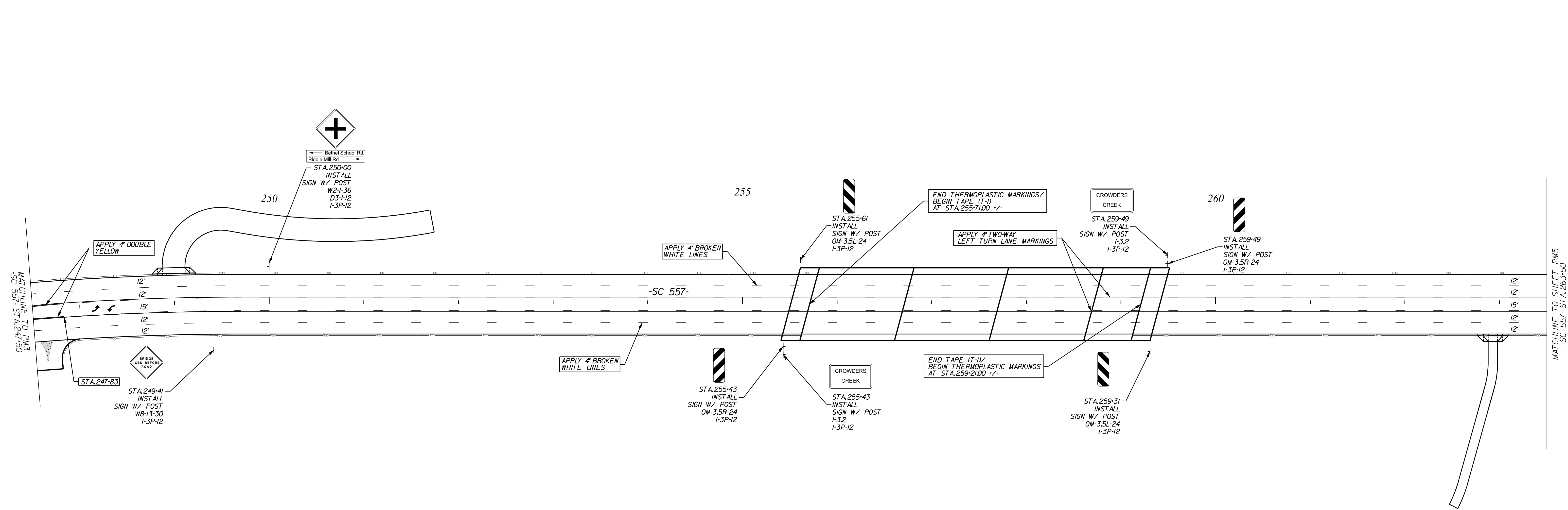
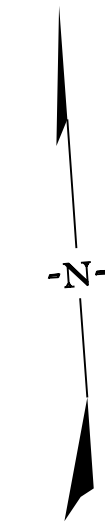
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DocuSigned by:
Steve A. Drum
7/27/2023

NO. 17359

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NVS ENGINEERS & CONSULTANTS, INC.
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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	PM4	



NOTE:

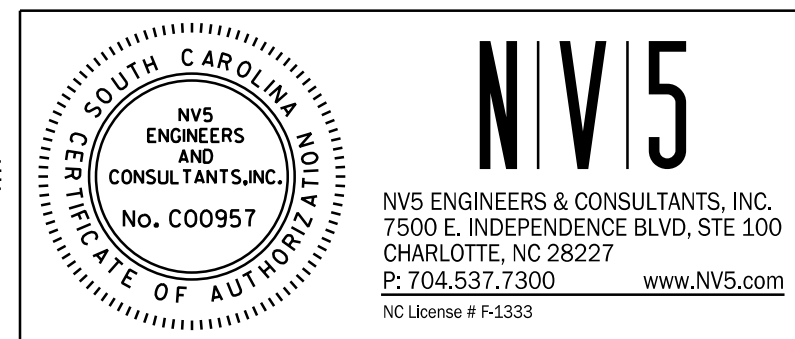
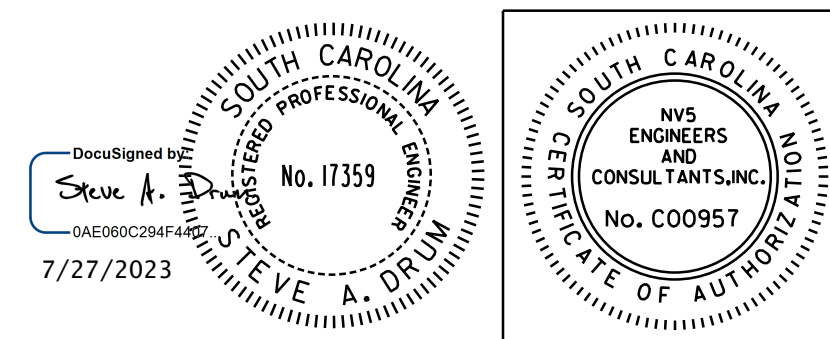
ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."

THE FOLLOWING STANDARD DRAWINGS CONTAINED IN THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS FOR ROAD CONSTRUCTION APPLY TO THIS PROJECT:

- STD. 625-305-00 - STANDARD MARKINGS FOR INTERSECTIONS
- STD. 625-310-00 - TYPICAL MARKINGS FOR TURN LANE INSTALLATIONS
- STD. 625-405-00 - TRANSITION DIAGONAL MARKINGS
- STD. 625-410-00 - FOR ARROWS & ONLY(S)
- STD. 630-105-00 - RAISED MARKER PLACEMENT AND DETAIL
- STD. 630-205-00 - LINE PATTERNS AND RAISED MARKER PLACEMENT
- STD. 630-210-00 - MULTI-LANE ROADS RAISED MARKER PLACEMENT
- STD. 630-215-00 - CONCRETE ISLAND/MEDIAN PAINTING & RAISED MARKER PLACEMENT

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

YORK COUNTY
 PENNIES FOR PROGRESS
SC 557
PAVEMENT MARKING
& SIGNING PLAN
STA. 247+50 TO STA. 263+50

SCALE 1"= 50'
 RTE. SC 557
 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	PM5	

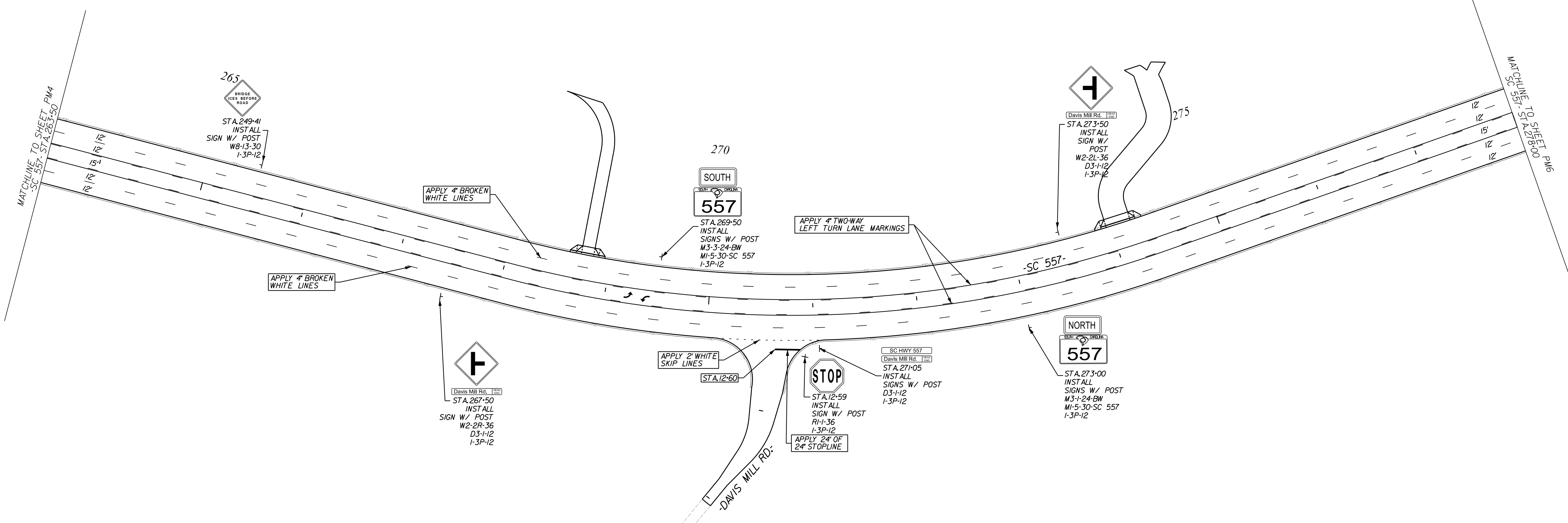
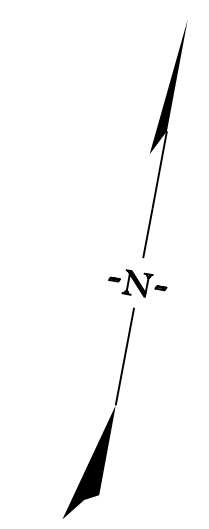
NOTE:

ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.


APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."

THE FOLLOWING STANDARD DRAWINGS CONTAINED IN THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS FOR ROAD CONSTRUCTION APPLY TO THIS PROJECT:


- STD. 625-305-00 - STANDARD MARKINGS FOR INTERSECTIONS
- STD. 625-310-00 - TYPICAL MARKINGS FOR TURN LANE INSTALLATIONS
- STD. 625-405-00 - TRANSITION DIAGONAL MARKINGS
- STD. 625-410-00 - FOR ARROWS & ONLY(S)
- STD. 630-105-00 - RAISED MARKER PLACEMENT AND DETAIL
- STD. 630-205-00 - LINE PATTERNS AND RAISED MARKER PLACEMENT
- STD. 630-210-00 - MULTI-LANE ROADS RAISED MARKER PLACEMENT
- STD. 630-215-00 - CONCRETE ISLAND/MEDIAN PAINTING & RAISED MARKER PLACEMENT




3/25/2023
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 Davis Mill Rd. 12+60
 STA. 267-50
 INSTALL
 SIGN W/ POST
 W2-2R-36
 D3-1-12
 I-3P-12

APPLY 2' WHITE
 SKIP LINES
 STA. 12+60
 DAVIS MILL RD.


 STA. 12+59
 INSTALL
 SIGN W/ POST
 R1-1-36
 I-3P-12
 APPLY 24' OF
 24' STOPLINE

SC HWY 557
 Davis Mill Rd. 12+60
 STA. 271-05
 INSTALL
 SIGNS W/ POST
 D3-1-12
 I-3P-12


 Davis Mill Rd. 12+60
 STA. 273-00
 INSTALL
 SIGNS W/ POST
 M3-1-24-BW
 M1-5-30-SC 557
 I-3P-12


 Davis Mill Rd. 12+60
 STA. 273-50
 INSTALL
 SIGN W/ POST
 W2-2L-36
 D3-1-12
 I-3P-12

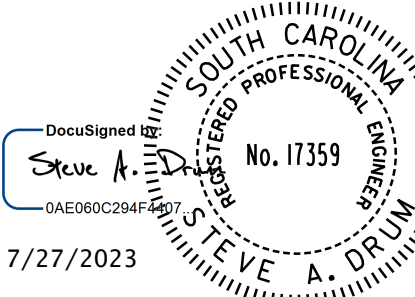
SOUTH
 557
 STA. 269-50
 INSTALL
 SIGNS W/ POST
 M3-3-24-BW
 M1-5-30-SC 557
 I-3P-12

265

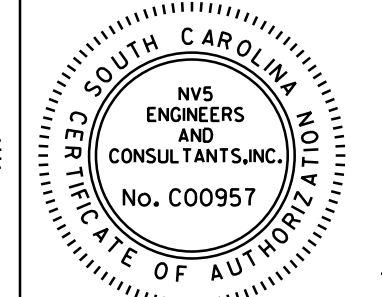
 STA. 249-41
 INSTALL
 SIGN W/ POST
 W8-1-3-30
 I-3P-12

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
TOPO.		DATE		
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YORK COUNTY
 PENNIES FOR PROGRESS
 SC 557
 PAVEMENT MARKING
 & SIGNING PLAN
 STA. 263+50 TO STA. 278+00
 SCALE 1"= 50' RTE. SC 557 DWG. NO.



Steve A. Drum
No. 17359
7/27/2023

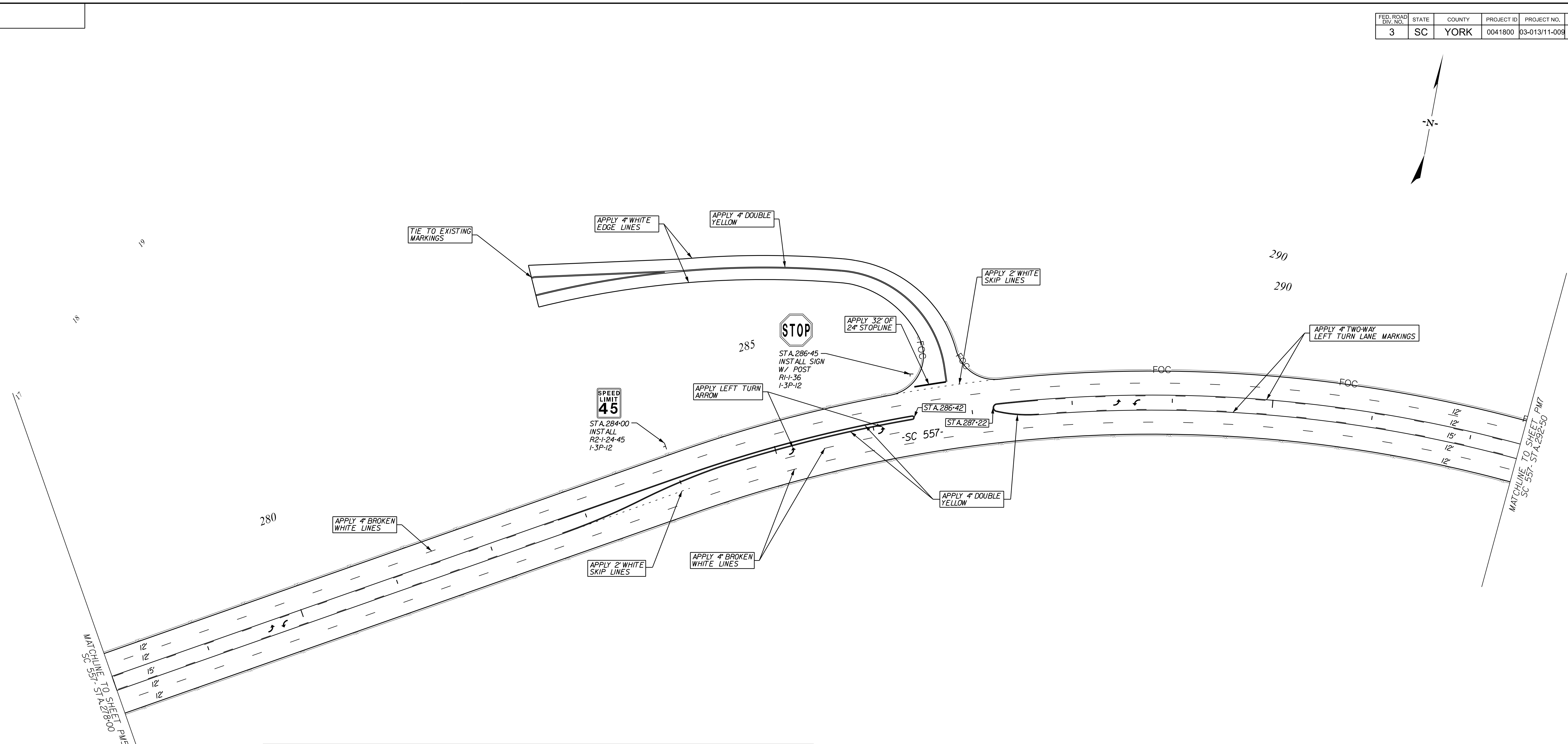
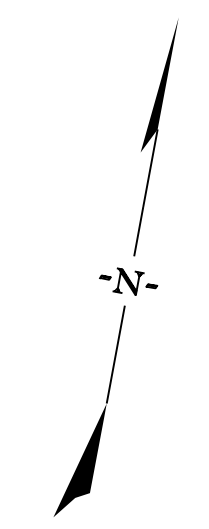


NVS ENGINEERS AND CONSULTANTS, INC.
No. C00957

NV5

NV5 ENGINEERS & CONSULTANTS, INC.
 7500 E. INDEPENDENCE BLVD, STE 100
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 NC License # P-1333

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	PM6	



NOTE:

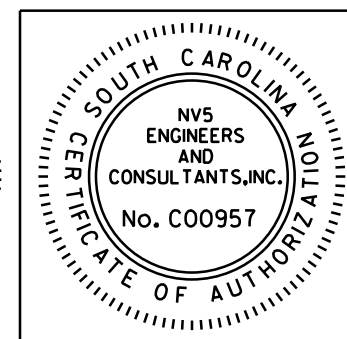
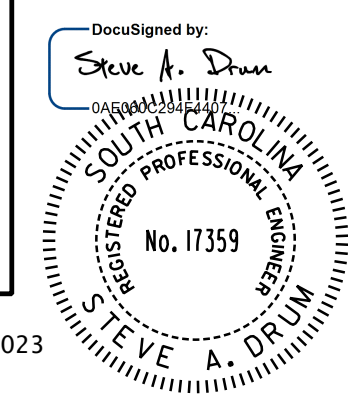
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APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."

THE FOLLOWING STANDARD DRAWINGS CONTAINED IN THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS FOR ROAD CONSTRUCTION APPLY TO THIS PROJECT:

- STD. 625-305-00 - STANDARD MARKINGS FOR INTERSECTIONS
- STD. 625-310-00 - TYPICAL MARKINGS FOR TURN LANE INSTALLATIONS
- STD. 625-405-00 - TRANSITION DIAGONAL MARKINGS
- STD. 625-410-00 - FOR ARROWS & ONLY(S)
- STD. 630-105-00 - RAISED MARKER PLACEMENT AND DETAIL
- STD. 630-205-00 - LINE PATTERNS AND RAISED MARKER PLACEMENT
- STD. 630-210-00 - MULTI-LANE ROADS RAISED MARKER PLACEMENT
- STD. 630-215-00 - CONCRETE ISLAND/MEDIAN PAINTING & RAISED MARKER PLACEMENT

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 NV5 ENGINEERS & CONSULTANTS, INC.
 7500 E. INDEPENDENCE BLVD, STE 100
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 NC License # P-1333

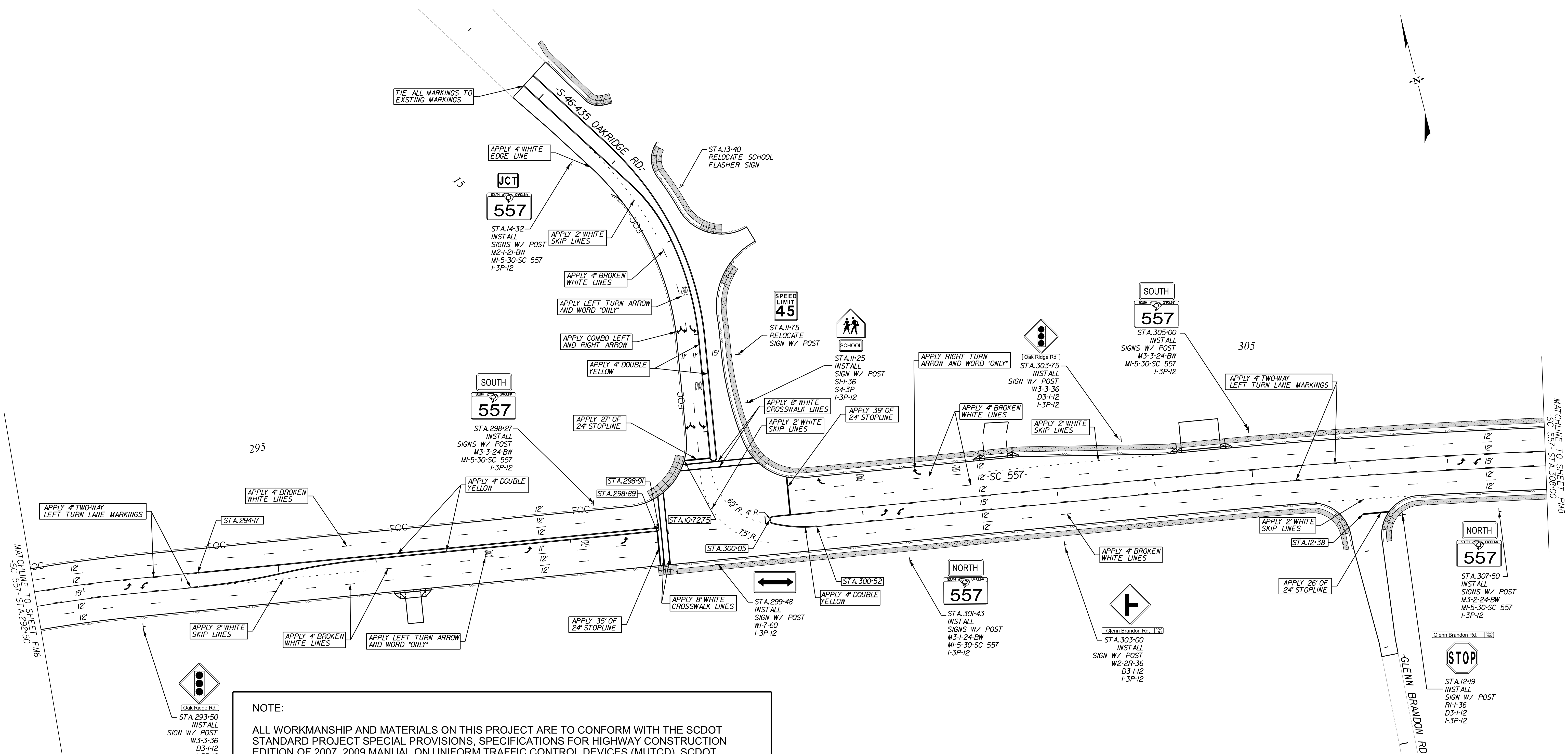
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REV. NO.	BY	DATE	DATE	DESCRIPTION OF REVISION
TOPO.		DATE		
DWG.		DATE		SQUAD -
R/W		DATE		

YORK COUNTY
 PENNIES FOR PROGRESS

**SC 557
 PAVEMENT MARKING
 & SIGNING PLAN
 STA. 278+00 TO STA. 292+50**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	PM7	



NOTE:

ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

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- STD. 625-410-00 - FOR ARROWS & ONLY(S)
- STD. 630-105-00 - RAISED MARKER PLACEMENT AND DETAIL
- STD. 630-205-00 - LINE PATTERNS AND RAISED MARKER PLACEMENT
- STD. 630-210-00 - MULTI-LANE ROADS RAISED MARKER PLACEMENT
- STD. 630-215-00 - CONCRETE ISLAND/MEDIAN PAINTING & RAISED MARKER PLACEMENT

10/14/2022
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DocuSigned by:
 Steve A. Drum
 7/27/2023

REGISTERED PROFESSIONAL ENGINEER
 No. 17359
 STEVE A. DRUM

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 7500 E. INDEPENDENCE BLVD, STE 100
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NV5

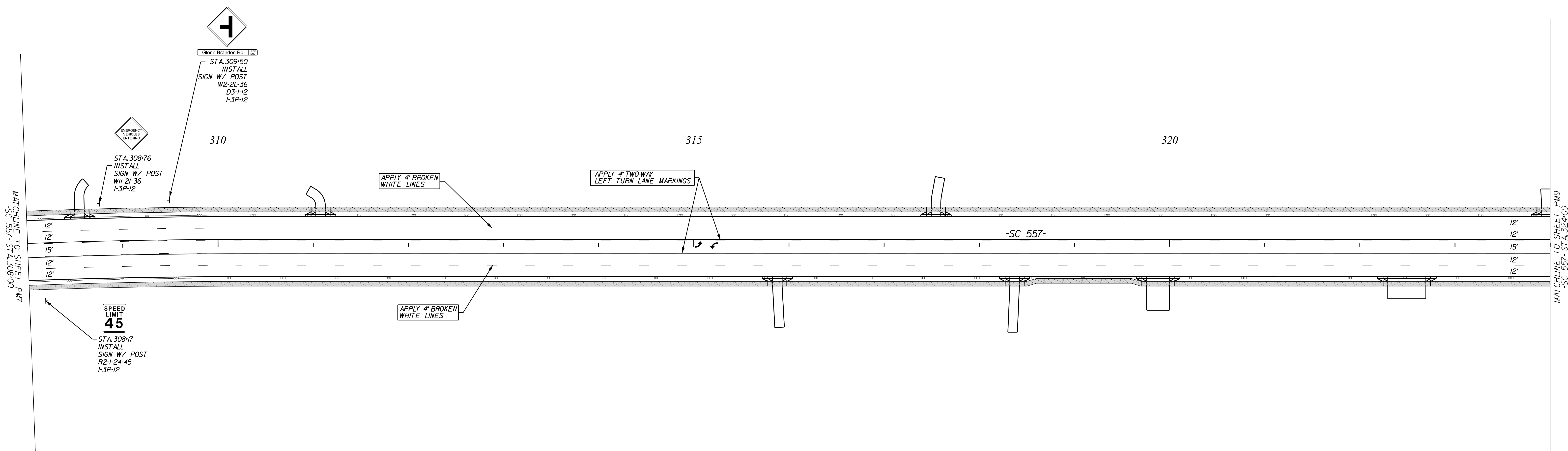
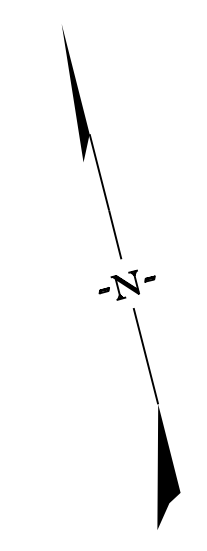
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TOPO.	DATE		
DWG.	DATE		SQUAD
R/W	DATE		

YORK COUNTY
 PENNIES FOR PROGRESS

SC 557
 PAVEMENT MARKING
 & SIGNING PLAN
 STA. 292+50 TO STA. 308+00

SCALE 1"=50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	PM8	



NOTE:

ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."

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- STD. 630-205-00 - LINE PATTERNS AND RAISED MARKER PLACEMENT
- STD. 630-210-00 - MULTI-LANE ROADS RAISED MARKER PLACEMENT
- STD. 630-215-00 - CONCRETE ISLAND/MEDIAN PAINTING & RAISED MARKER PLACEMENT

10/14/2022
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7/27/2023

DocuSigned by:
Steve A. Drum
0AEE06CC294E597

7/27/2023

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. 17359
STEVE A. DRUM

7/27/2023

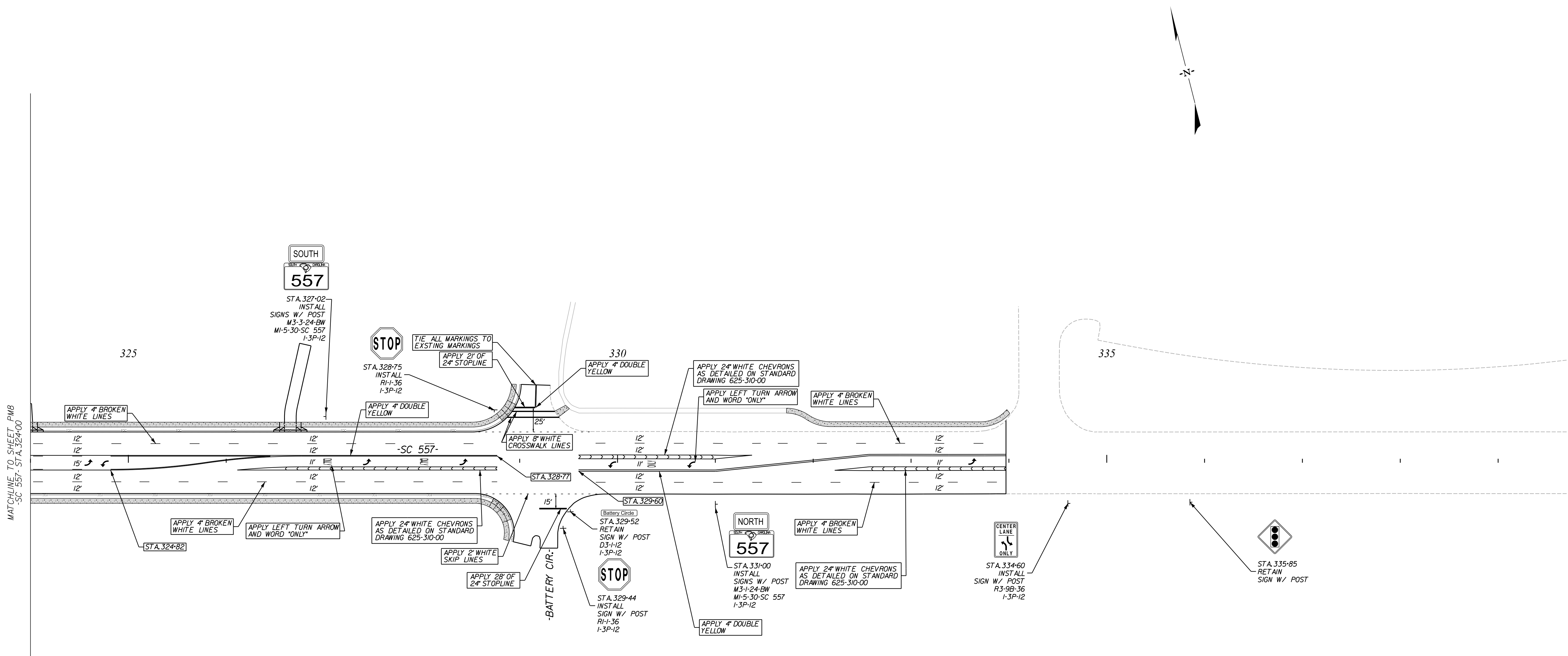
SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. C00957

NV5

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7500 E. INDEPENDENCE BLVD, STE 100
CHARLOTTE, NC 28227
P: 704.537.7300 www.NV5.com
NC License # P-1333

4						YORK COUNTY PENNIES FOR PROGRESS SC 557 PAVEMENT MARKING & SIGNING PLAN STA. 308+00 TO STA. 324+00 SCALE 1"= 50' RTE. SC 557 DWG. NO.
3						
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REV. NO.	BY	DATE	DATE	DESCRIPTION OF REVISION	SQUAD	
TOPO.		DATE				
DWG.		DATE				
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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	PM9	



NOTE:

ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."

THE FOLLOWING STANDARD DRAWINGS CONTAINED IN THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS FOR ROAD CONSTRUCTION APPLY TO THIS PROJECT:

- STD. 625-305-00 - STANDARD MARKINGS FOR INTERSECTIONS
- STD. 625-310-00 - TYPICAL MARKINGS FOR TURN LANE INSTALLATIONS
- STD. 625-405-00 - TRANSITION DIAGONAL MARKINGS
- STD. 625-410-00 - FOR ARROWS & ONLY(S)
- STD. 630-105-00 - RAISED MARKER PLACEMENT AND DETAIL
- STD. 630-205-00 - LINE PATTERNS AND RAISED MARKER PLACEMENT
- STD. 630-210-00 - MULTI-LANE ROADS RAISED MARKER PLACEMENT
- STD. 630-215-00 - CONCRETE ISLAND/MEDIAN PAINTING & RAISED MARKER PLACEMENT

10/14/2022
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DocuSigned by:
Steve A. Drum
04E06022944555
7/27/2023

7/27/2023

7/27/2023

No. 17359

7/27/2023

No. C00957

No. C00957

No. C00957

No. C00957

No. C00957

No. C00957

4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	
R/W		DATE	

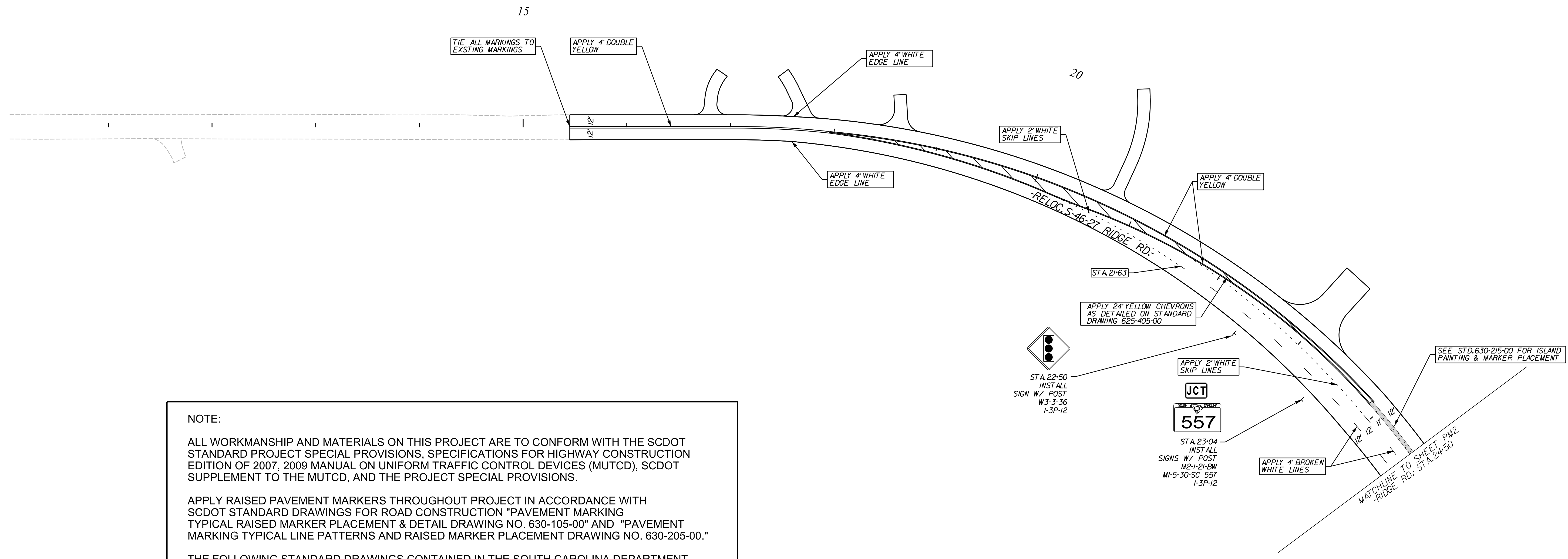
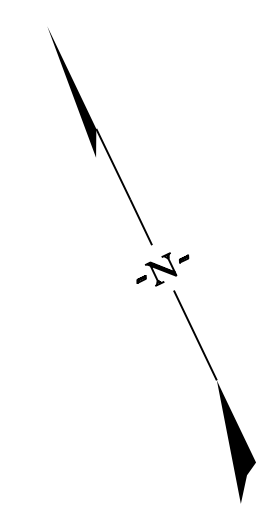
YORK COUNTY
PENNIES FOR PROGRESS

**SC 557
PAVEMENT MARKING
& SIGNING PLAN**

STA. 324+00 TO STA. 333+97.00

SCALE 1"= 50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	PM10	



NOTE:

ALL WORKMANSHIP AND MATERIALS ON THIS PROJECT ARE TO CONFORM WITH THE SCDOT STANDARD PROJECT SPECIAL PROVISIONS, SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EDITION OF 2007, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), SCDOT SUPPLEMENT TO THE MUTCD, AND THE PROJECT SPECIAL PROVISIONS.

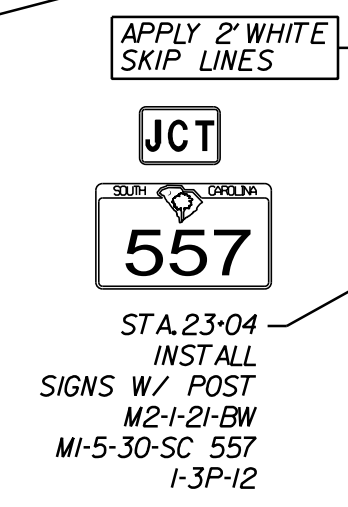
APPLY RAISED PAVEMENT MARKERS THROUGHOUT PROJECT IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION "PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL DRAWING NO. 630-105-00" AND "PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT DRAWING NO. 630-205-00."

THE FOLLOWING STANDARD DRAWINGS CONTAINED IN THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS FOR ROAD CONSTRUCTION APPLY TO THIS PROJECT:

- STD. 625-305-00 - STANDARD MARKINGS FOR INTERSECTIONS
- STD. 625-310-00 - TYPICAL MARKINGS FOR TURN LANE INSTALLATIONS
- STD. 625-405-00 - TRANSITION DIAGONAL MARKINGS
- STD. 625-410-00 - FOR ARROWS & ONLY(S)
- STD. 630-105-00 - RAISED MARKER PLACEMENT AND DETAIL
- STD. 630-205-00 - LINE PATTERNS AND RAISED MARKER PLACEMENT
- STD. 630-210-00 - MULTI-LANE ROADS RAISED MARKER PLACEMENT
- STD. 630-215-00 - CONCRETE ISLAND/MEDIAN PAINTING & RAISED MARKER PLACEMENT



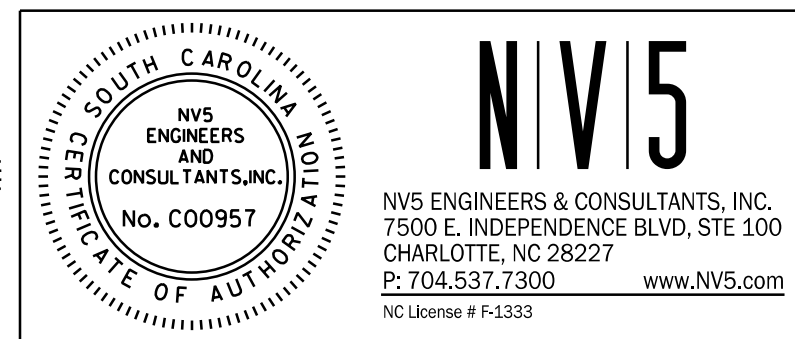
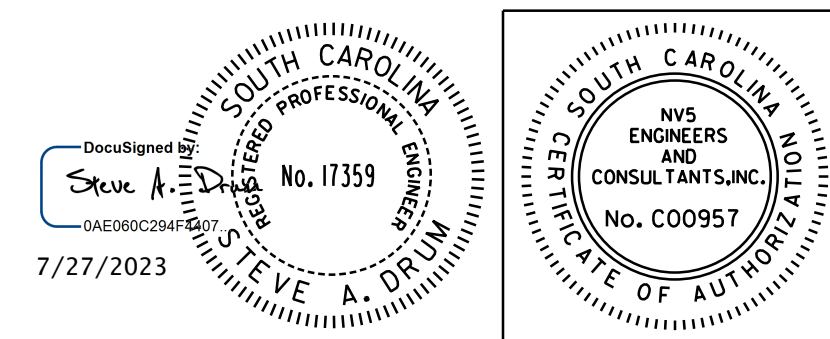
APPLY 24" YELLOW CHEVRONS AS DETAILED ON STANDARD DRAWING 625-405-00



APPLY 4" BROKEN WHITE LINES

SEE STD. 630-215-00 FOR ISLAND PAINTING & MARKER PLACEMENT

3/25/2023
default
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NV5
 NV5 ENGINEERS & CONSULTANTS, INC.
 7500 E. INDEPENDENCE BLVD, STE 100
 CHARLOTTE, NC 28227
 P: 704.537.7300 www.NV5.com
 NC License # P-1333

4				
3				
2				
1				
REV. NO.	BY	DATE	DATE	DESCRIPTION OF REVISION
TOPO.		DATE		
DWG.		DATE		SQUAD
R/W		DATE		

YORK COUNTY
 PENNIES FOR PROGRESS

**RIDGE RD.
 PAVEMENT MARKING
 & SIGNING PLAN
 STA. 15+45 TO STA. 24+50**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

SIGNAL EQUIPMENT

ONE (1) NEW 8-PHASE FULLY ACTUATED STANDARD 2070 CONTROLLER WITH FLASHER, SIGNAL MONITOR UNIT, AND BASE-MOUNTED 332A CABINET, 8 ORACLE (2) CHANNEL VEHICLE DETECTOR UNITS

CABINET: EXT. PROP.

VEHICLE SIGNALS: EXT. PROP.

PEDESTRIAN SIGNALS: EXT. PROP.

HEAD NUMBER	2F	2	4F	4	6F	6	6,7 _{cont}	7	8
LENS	←R	R	←R	R	←R	R	R	←R	R
	←Y	Y	←Y	Y	←Y	Y	Y	←Y	Y
PHASE	OLA	2	OLB	3	OLC	6	6,7	7	8
	SIZE	12"	12"	12"	12"	12"	12"	12"	12"
QUANTITY	1	2	1	3	1	1	1	2	2

OLA: Ø2 (FYA) OLC: Ø6 (FYA)
 OLB: Ø4 (FYA) OLD:

METAL POLES W/O MAST ARMS: EXT. PROP.

METAL POLES W/ MAST ARMS: EXT. PROP.

WOOD POLES AS NECESSARY: EXT. PROP.

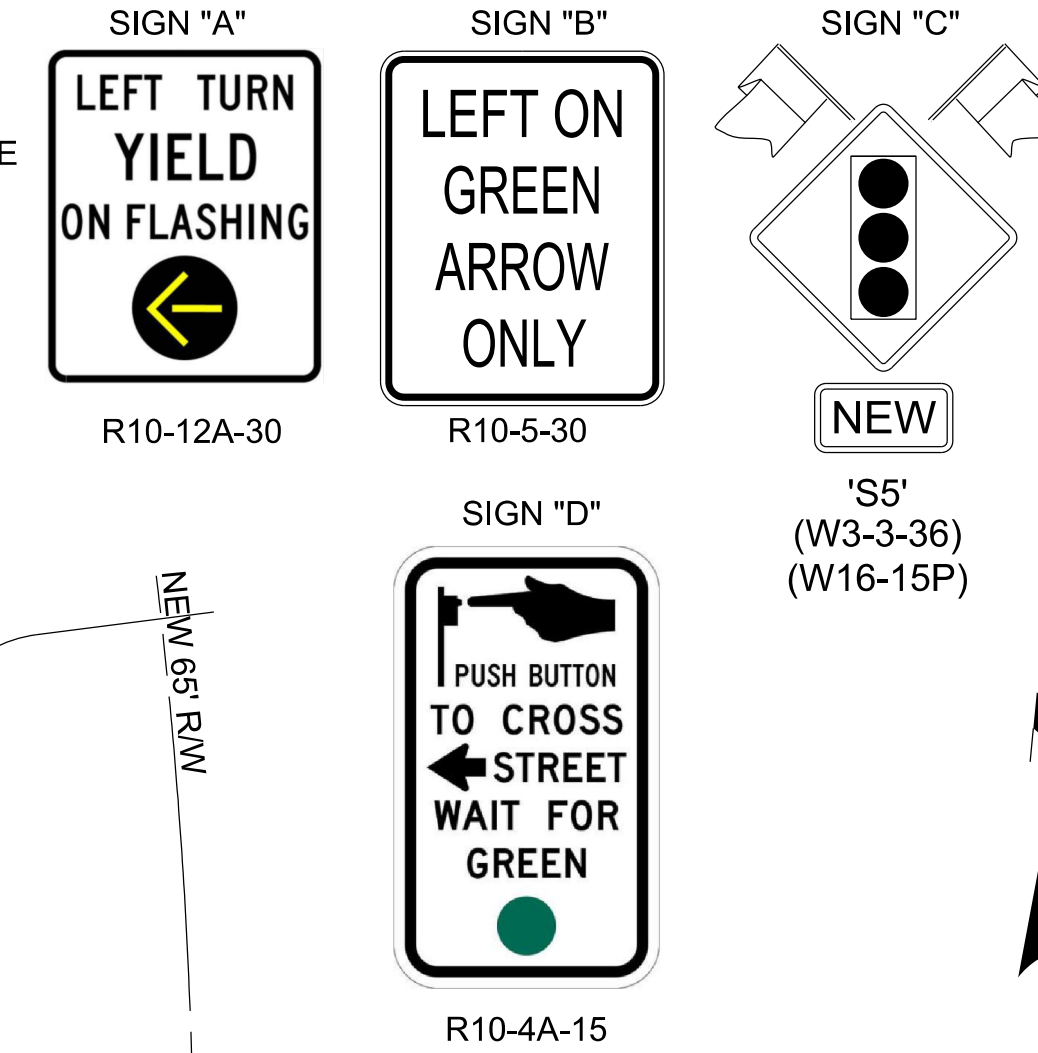
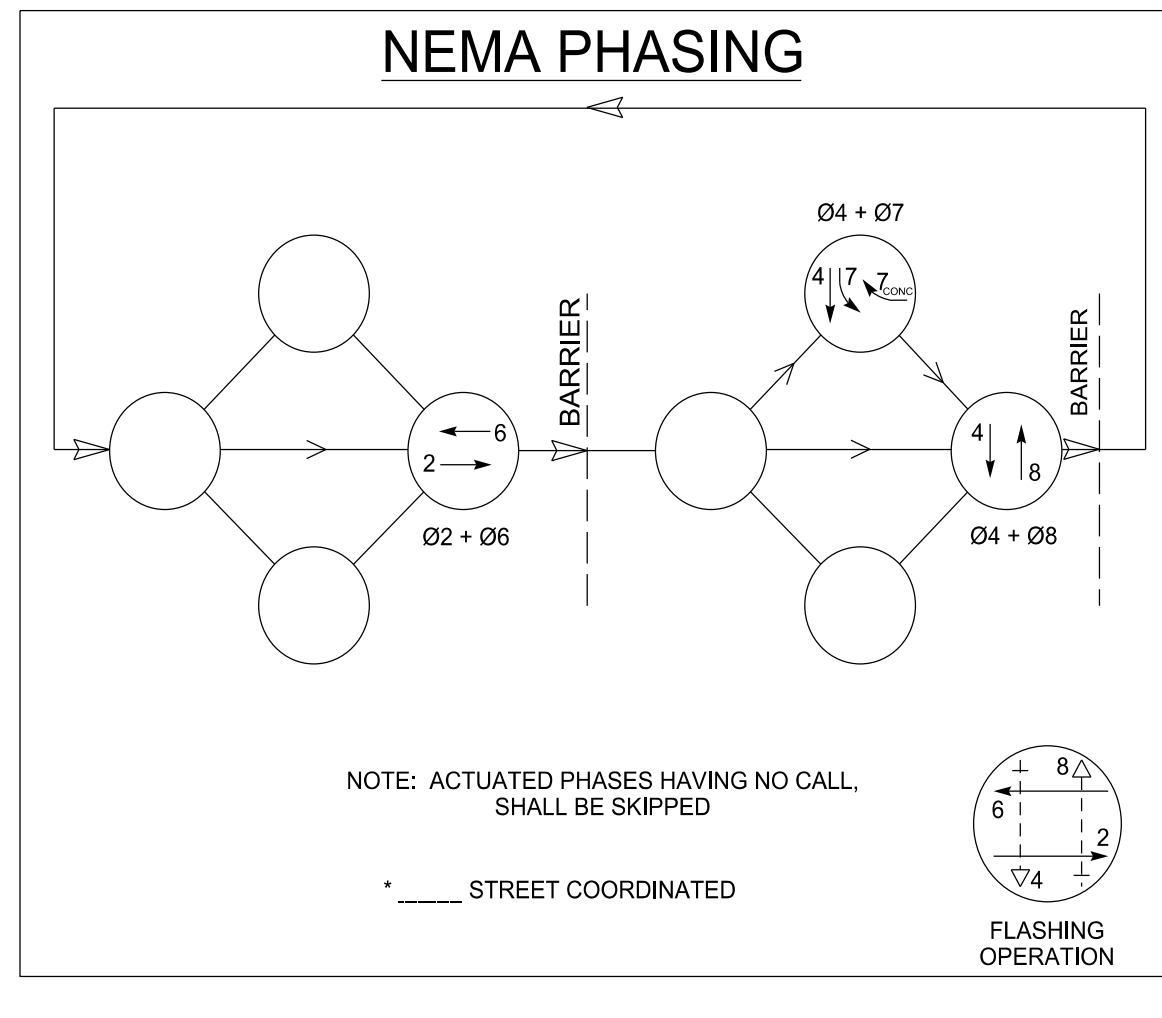
SPLICE BOXES AS NECESSARY: EXT. PROP.

INDUCTANCE LOOPS AS NECESSARY: EXT. PROP.

GUYS AS NECESSARY: EXT. PROP.

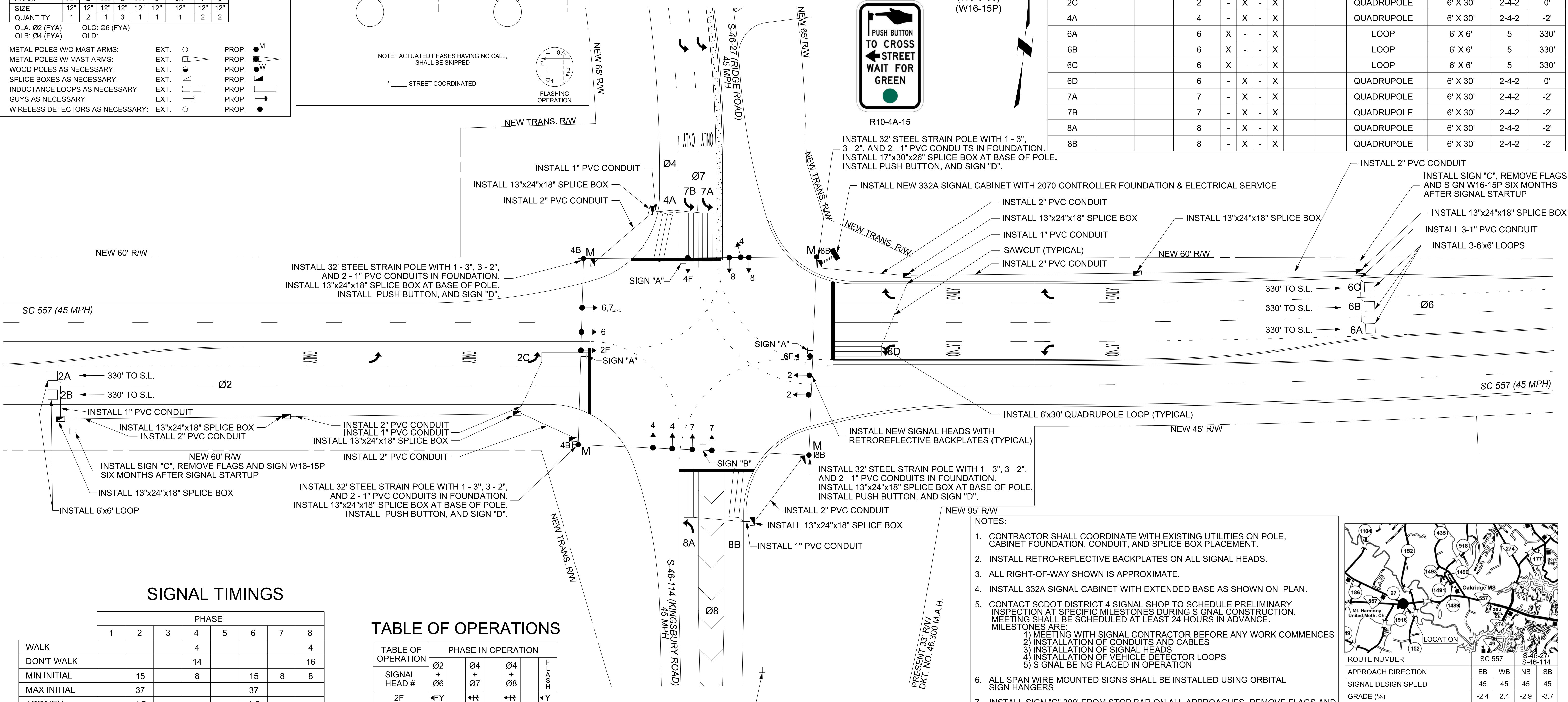
WIRELESS DETECTORS AS NECESSARY: EXT. PROP.

NEMA PHASING



LOOP DETECTOR INSTALLATION CHART

PHASE/ LOOP LTR#	DETECTOR AMP NO.	CHAN NO.	WIRED TO PHASE(S)	LOCK X	NON-LOCK X	PULSE X	PRES X	OPERATION		SPECIAL FEATURES	LOOP DESIGN		
								DELAY SEC	EXT SEC		TIME OF DAY-TOD, SWITCHING, etc.	SIZE _X_	NO.OF TURNS	DIST. FROM
2A			2	X	-	-	X			LOOP	6' X 6'	5	330'
2B			2	X	-	-	X			LOOP	6' X 6'	5	330'
2C			2	-	X	-	X			QUADRUPOLE	6' X 30'	2-4-2	0'
4A			4	-	X	-	X			QUADRUPOLE	6' X 30'	2-4-2	-2'
6A			6	X	-	-	X			LOOP	6' X 6'	5	330'
6B			6	X	-	-	X			LOOP	6' X 6'	5	330'
6C			6	X	-	-	X			LOOP	6' X 6'	5	330'
6D			6	-	X	-	X			QUADRUPOLE	6' X 30'	2-4-2	0'
7A			7	-	X	-	X			QUADRUPOLE	6' X 30'	2-4-2	-2'
7B			7	-	X	-	X			QUADRUPOLE	6' X 30'	2-4-2	-2'
8A			8	-	X	-	X			QUADRUPOLE	6' X 30'	2-4-2	-2'
8B			8	-	X	-	X			QUADRUPOLE	6' X 30'	2-4-2	-2'



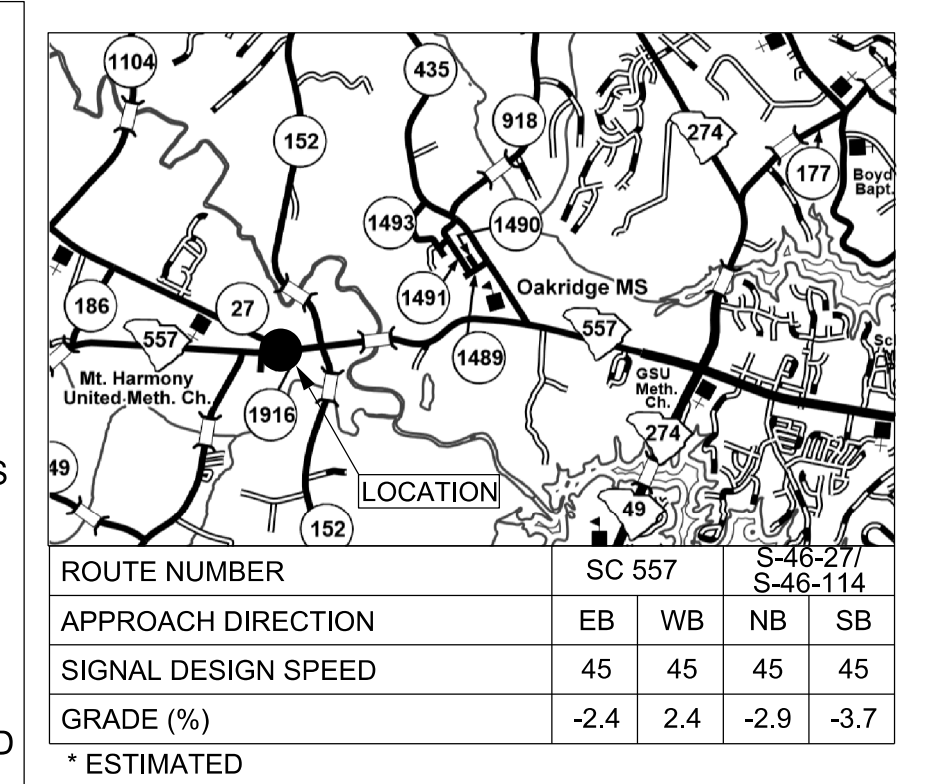
SIGNAL TIMINGS

INTERVAL	PHASE							
	1	2	3	4	5	6	7	8
WALK				4				4
DON'T WALK				14				16
MIN INITIAL		15		8		15	8	8
MAX INITIAL		37				37		
ADD/VEH		1.5				1.5		
VEH EXT		6.0		3.0		6.0	3.0	3.0
TIM BFR REDUC		15				15		
TIME TO REDUC		30				30		
MIN GAP		2.5				2.5		
MAX LIMIT		45		25		45	15	25
MAXIMUM 2								
YELLOW		4.7		4.8		4.7	3.0	4.8
RED CLEAR		4.1		3.4		4.1	3.7	3.4

TABLE OF OPERATIONS

TABLE OF OPERATION	PHASE IN OPERATION			
	Ø2 + Ø6	Ø4 + Ø7	Ø4 + Ø8	F L
2F	←FY	←R	←R	←Y
2	G	R	R	Y
4F	←R	←FY	←FY	←R
4	R	G	G	R
6F	←FY	←R	←R	←Y
6	G	R	R	Y
6,7 _{cont}	G	R	R	R
7	←R	←G	←R	←R
8	R	R	G	R

- NOTES:
- CONTRACTOR SHALL COORDINATE WITH EXISTING UTILITIES ON POLE, CABINET FOUNDATION, CONDUIT, AND SPLICE BOX PLACEMENT.
 - INSTALL RETRO-REFLECTIVE BACKPLATES ON ALL SIGNAL HEADS.
 - ALL RIGHT-OF-WAY SHOWN IS APPROXIMATE.
 - INSTALL 332A SIGNAL CABINET WITH EXTENDED BASE AS SHOWN ON PLAN.
 - CONTACT SCDOT DISTRICT 4 SIGNAL SHOP TO SCHEDULE PRELIMINARY INSPECTION AT SPECIFIC MILESTONES DURING SIGNAL CONSTRUCTION. MEETING SHALL BE SCHEDULED AT LEAST 24 HOURS IN ADVANCE. MILESTONES ARE:
 - MEETING WITH SIGNAL CONTRACTOR BEFORE ANY WORK COMMENCES
 - INSTALLATION OF CONDUITS AND CABLES
 - INSTALLATION OF SIGNAL HEADS
 - INSTALLATION OF VEHICLE DETECTOR LOOPS
 - SIGNAL BEING PLACED IN OPERATION
 - ALL SPAN WIRE MOUNTED SIGNS SHALL BE INSTALLED USING ORBITAL SIGN HANGERS
 - INSTALL SIGN "C" 300' FROM STOP BAR ON ALL APPROACHES, REMOVE FLAGS AND SIGN W16-15P SIX MONTHS AFTER SIGNAL STARTUP



Prepared For:

TRAFFIC SIGNAL PLAN
 SC 557
 at
 S-46-27 (Ridge Rd.)/S-46-114 (Kingsbury Rd.)
 District 4 York County Clover, SC

Plan Date: March 29th, 2022 Reviewed By: Katelyn Love

Prepared By: Mitchal Johnson RKA Project Number: 19317.00

3			
2	MLJ	8/15/22	Splice Boxes
1	MLJ	8/10/22	Clearance Updated
Rev. No.	By	Date	Description of Revision

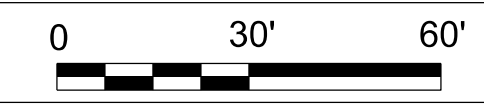
Prepared By:

RKA
 RAMEY KEMP ASSOCIATES

7301 Rivers Avenue
 Suite 242
 North Charleston, SC 29406
 Phone: 843-614-3800
 www.rameykemp.com

SOUTH CAROLINA
 RAMEY KEMP & ASSOCIATES, INC.
 No. 3111
 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA
 PROFESSIONAL ENGINEER
 LICENSED
 NO. 37486
 9/27/2022



SIGNAL EQUIPMENT

ONE (1) NEW 3-PHASE FULLY ACTUATED STANDARD 2070 CONTROLLER WITH FLASHER, SIGNAL MONITOR UNIT, AND BASE-MOUNTED 332A CABINET, 4 ORACLE MODEL 222, (2)- CHANNEL VEHICLE DETECTOR UNITS

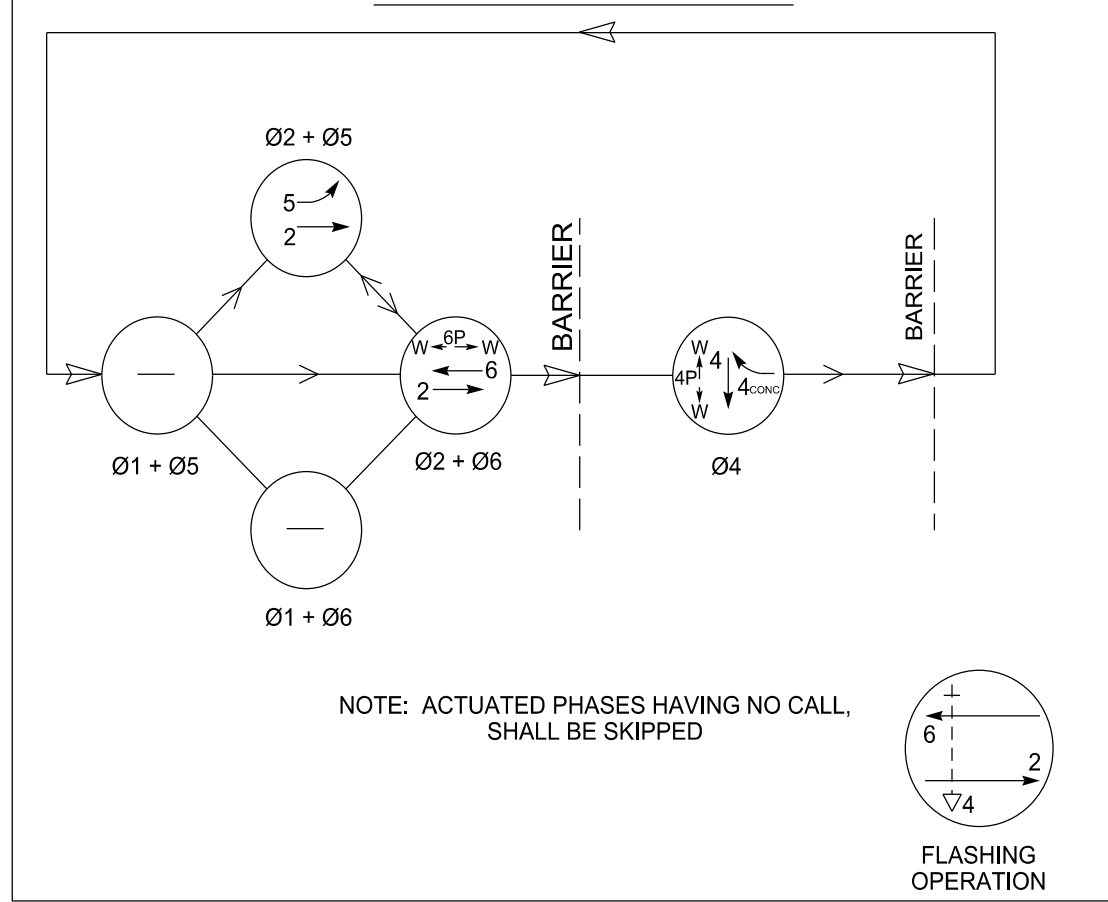
CABINET: EXT. PROP.
 VEHICLE SIGNALS: EXT. PROP.
 PEDESTRIAN SIGNALS: EXT. PROP.

HEAD NUMBER	2	4A	4B	5,6F	6	6,4 _{conc}	4P	6P
LENS	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G
PHASE	2	4	4	5,6F	6	6,4 _{conc}	4P	6P
SIZE	12"	12"	12"	12"	12"	16"	16"	16"
QUANTITY	2	2	1	1	2	1	2	2

OLA: OLC: Ø5 + Ø6 (FYA)
 OLB: OLD:

PERMANENT STEEL POLE AS NECESSARY: EXT. PROP.
 TEMPORARY WOOD POLE AS NECESSARY: EXT. PROP.
 SPLICE BOXES AS NECESSARY: EXT. PROP.
 INDUCTANCE LOOPS AS NECESSARY: EXT. PROP.

NEMA PHASING



LOOP DETECTOR INSTALLATION CHART

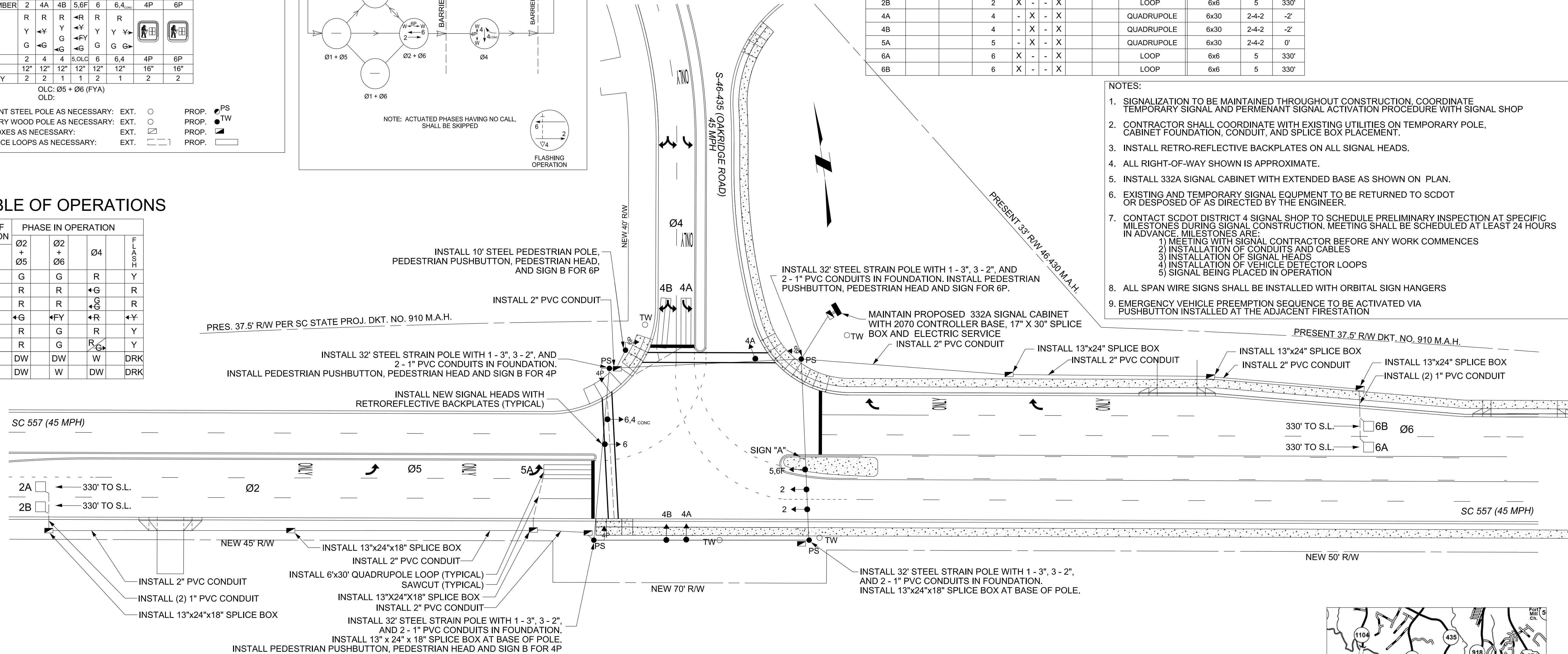
LOOP LTR#	PHASE/ DETECTOR	WIRED TO	X LOCK	X NONLOCK	X PULSE	X PRES	OPERATION		SPECIAL FEATURES	LOOP DESIGN		
							DELAY SEC	EXT SEC		TIME OF DAY-TOD SWITCHING, etc.	SIZE	NO. OF TURNS	DIST. FROM
2A		2	X	-	-	X			LOOP	6x6	5	330'
2B		2	X	-	-	X			LOOP	6x6	5	330'
4A		4	-	X	-	X			QUADRUPOLE	6x30	2-4-2	-2'
4B		4	-	X	-	X			QUADRUPOLE	6x30	2-4-2	-2'
5A		5	-	X	-	X			QUADRUPOLE	6x30	2-4-2	0'
6A		6	X	-	-	X			LOOP	6x6	5	330'
6B		6	X	-	-	X			LOOP	6x6	5	330'

NOTES:

- SIGNALIZATION TO BE MAINTAINED THROUGHOUT CONSTRUCTION. COORDINATE TEMPORARY SIGNAL AND PERMANENT SIGNAL ACTIVATION PROCEDURE WITH SIGNAL SHOP
- CONTRACTOR SHALL COORDINATE WITH EXISTING UTILITIES ON TEMPORARY POLE, CABINET FOUNDATION, CONDUIT, AND SPLICE BOX PLACEMENT.
- INSTALL RETRO-REFLECTIVE BACKPLATES ON ALL SIGNAL HEADS.
- ALL RIGHT-OF-WAY SHOWN IS APPROXIMATE.
- INSTALL 332A SIGNAL CABINET WITH EXTENDED BASE AS SHOWN ON PLAN.
- EXISTING AND TEMPORARY SIGNAL EQUIPMENT TO BE RETURNED TO SCDOT OR DESPOSED OF AS DIRECTED BY THE ENGINEER.
- CONTACT SCDOT DISTRICT 4 SIGNAL SHOP TO SCHEDULE PRELIMINARY INSPECTION AT SPECIFIC MILESTONES DURING SIGNAL CONSTRUCTION. MEETING SHALL BE SCHEDULED AT LEAST 24 HOURS IN ADVANCE. MILESTONES ARE:
 - MEETING WITH SIGNAL CONTRACTOR BEFORE ANY WORK COMMENCES
 - INSTALLATION OF CONDUITS AND CABLES
 - INSTALLATION OF SIGNAL HEADS
 - INSTALLATION OF VEHICLE DETECTOR LOOPS
 - SIGNAL BEING PLACED IN OPERATION
- ALL SPAN WIRE SIGNS SHALL BE INSTALLED WITH ORBITAL SIGN HANGERS
- EMERGENCY VEHICLE PREEMPTION SEQUENCE TO BE ACTIVATED VIA PUSHBUTTON INSTALLED AT THE ADJACENT FIRESTATION

TABLE OF OPERATIONS

TABLE OF OPERATION	PHASE IN OPERATION				
	Ø2 + Ø5	Ø2 + Ø6	Ø4	F L S H	
2	G	G	R	Y	
4A	R	R	←G	R	
4B	R	R	←G	R	
5,6F	←G	←FY	←R	←Y	
6	R	G	R	Y	
6,4 _{conc}	R	G	R	Y	
4P	DW	DW	W	DRK	
6P	DW	W	DW	DRK	



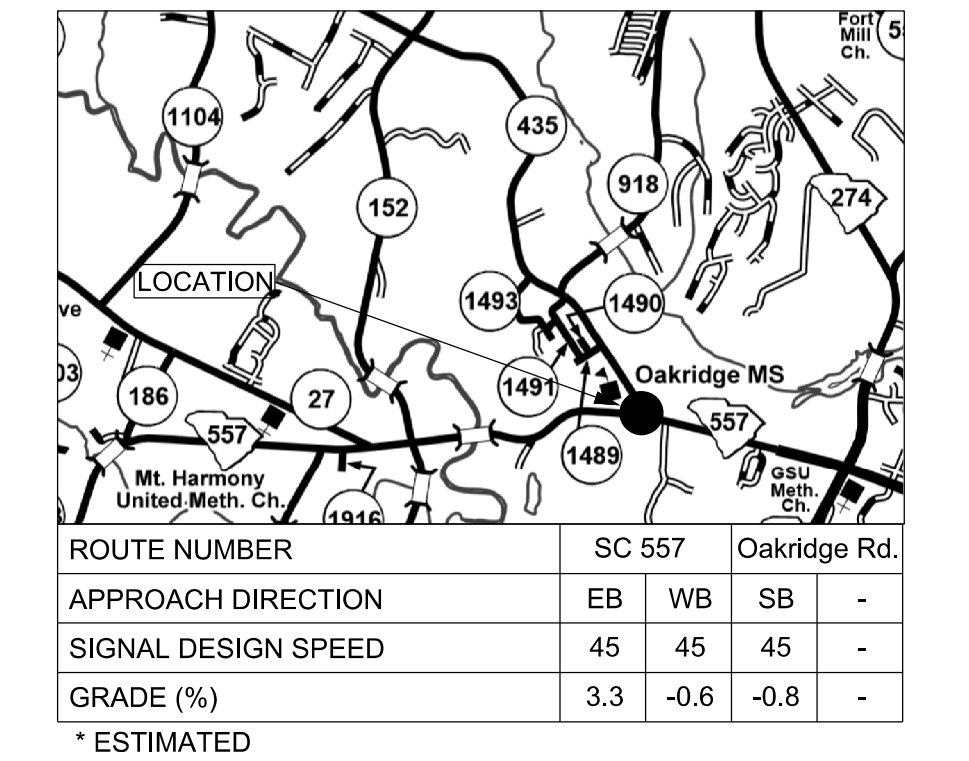
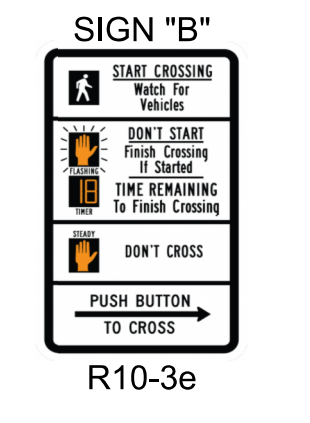
SIGNAL TIMINGS

INTERVAL	PHASE							
	1	2	3	4	5	6	7	8
WALK				7		7		
DON'T WALK				22		28		
MIN INITIAL		15		8	8	15		
MAX INITIAL		37				37		
ADD/VEH		1.5				1.5		
VEH EXT		6.0		3.0	3.0	6.0		
TIM BFR REDUC		15				15		
TIME TO REDUC		30				30		
MIN GAP		2.5				2.5		
MAX LIMIT		50		30	15	50		
MAXIMUM 2								
YELLOW		4.5		3.0	3.0	4.5		
RED CLEAR		2.3		3.2	3.9	2.3		

EMERGENCY VEHICLE PREEMPTION SEQUENCE

SIGNAL HEAD #	CONDITION 1					CONDITION 2					CONDITION 3							
	R / W	INTERVAL					R / W	INTERVAL					R / W	INTERVAL				
		1	2	9	10	11		3	4	9	10	11		5	6	9	10	11
2	G	Y	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R
4A	R	R	←G	←Y	R	R	R	←G	←Y	R	←G	←G	←G	←Y	R	←G	←G	←Y
4B	R	R	←G	Y	R	R	R	←G	Y	R	←G	←G	←G	Y	R	←G	←G	Y
5,6F	←G	←Y	←R	←R	←R	←FY	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R
6	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R
6,4 _{conc}	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R
4P	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
6P	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
TIMING	NO	4.5	3.9	20	3.0	3.2	NO	4.5	2.3	20	3.0	3.2	NO	3.0	3.2	20	3.0	3.2

CONDITION 1 OCCURS WHEN SIGNAL IS PREEMPTED IN PHASE 2-5 R-W
 CONDITION 2 OCCURS WHEN SIGNAL IS PREEMPTED IN PHASE 2-6 R-W
 CONDITION 3 OCCURS WHEN SIGNAL IS PREEMPTED IN PHASE 4 R-W
 IF PREEMPTION OCCURS DURING ANY PHASE YELLOW OR ALLRED CLEARANCE BEGIN CONDITION SEQUENCE 1 STARTING WITH PHASE 9 CONC YELLOW AND RED PHASES HAVE TIMED OUT
 EMERGENCY VEHICLE PREEMPTION PHASE 4 SB = 20.0 SECONDS
 AFTER PREEMPTION CALL ENDS, RETURN TO NORMAL OPERATION BEGINNING WITH PHASE 2-5



Prepared For:	TRAFFIC SIGNAL PLAN		
	SC 557 at S-46-435 (Oakridge Road)		
	District 4	York County	Clover, SC
Plan Date: March 29th, 2022	Reviewed By: Katelyn Love		
Prepared By: Mitchal Johnson	RKA Project Number: 19317.00		
1	MLJ	8/15/22	Splice Boxes
Rev. No.	By	Date	Description of Revision

Prepared By: **RKA** RAMEY KEMP ASSOCIATES
 7301 Rivers Avenue, Suite 242, North Charleston, SC 29406
 Phone: 843-614-3800, www.rameykemp.com

SCDOT South Carolina Department of Transportation

SOUTH CAROLINA RAMEY KEMP & ASSOCIATES, INC. No. 3111
SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 37486
 Katelyn N. Love, 9/27/2022

SIGNAL EQUIPMENT

ONE (1) EXISTING 8-PHASE FULLY ACTUATED STANDARD 170 CONTROLLER WITH FLASHER, SIGNAL MONITOR UNIT, AND POLE-MOUNTED 336S CABINET.
3 ORACLE MODEL 222, (2)- CHANNEL VEHICLE DETECTOR UNITS

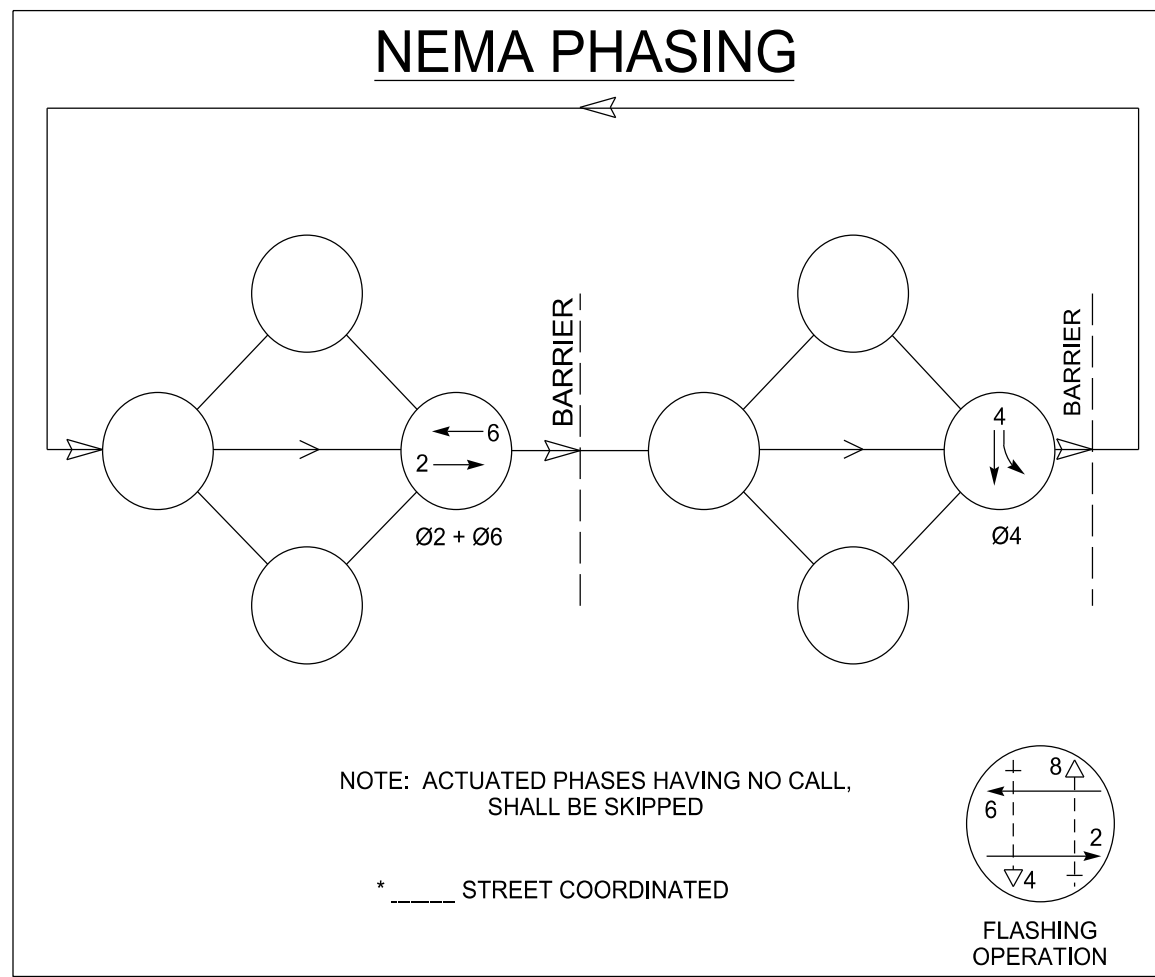
CABINET: EXT. PROP.
VEHICLE SIGNALS: EXT. PROP.
PEDESTRIAN SIGNALS: EXT. PROP.

HEAD NUMBER	2	4	6
LENS	R	R	R
	Y	Y	Y
	G	G	G
PHASE	2	4	6
SIZE	12"	12"	12"
QUANTITY	3	3	3

OLA: OLC:
OLB: OLD:
PERMANENT STEEL POLE AS NECESSARY: EXT. PROP.
TEMPORARY WOOD POLE AS NECESSARY: EXT. PROP.
SPLICE BOXES AS NECESSARY: EXT. PROP.
INDUCTANCE LOOPS AS NECESSARY: EXT. PROP.

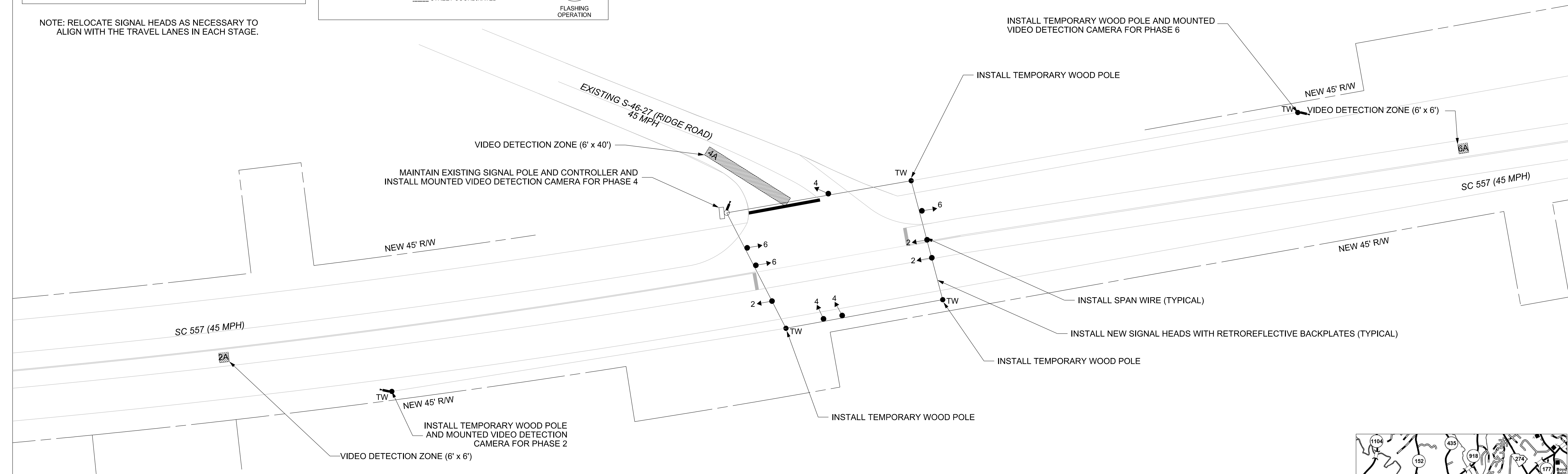
NOTE: RELOCATE SIGNAL HEADS AS NECESSARY TO ALIGN WITH THE TRAVEL LANES IN EACH STAGE.

NEMA PHASING



LOOP DETECTOR INSTALLATION CHART

PHASE/ LOOP LTR#	DETECTOR		WIRED TO PHASE(S)	X LOCK	X NON-LOCK	X PULSE	X PRES	OPERATION		SPECIAL FEATURES	LOOP DESIGN		
	AMP NO.	CHAN NO.						DELAY SEC	EXT SEC		TIME OF DAY-TOD, SWITCHING, etc.	SIZE	NO. OF TURNS	DIST. FROM
2A			1	-	X	-	X			VIDEO	6' X 6'		330'
4A			2	-	X	-	X			VIDEO	6' X 40'		0'
6A			3	-	X	-	X			VIDEO	6' X 6'		330'

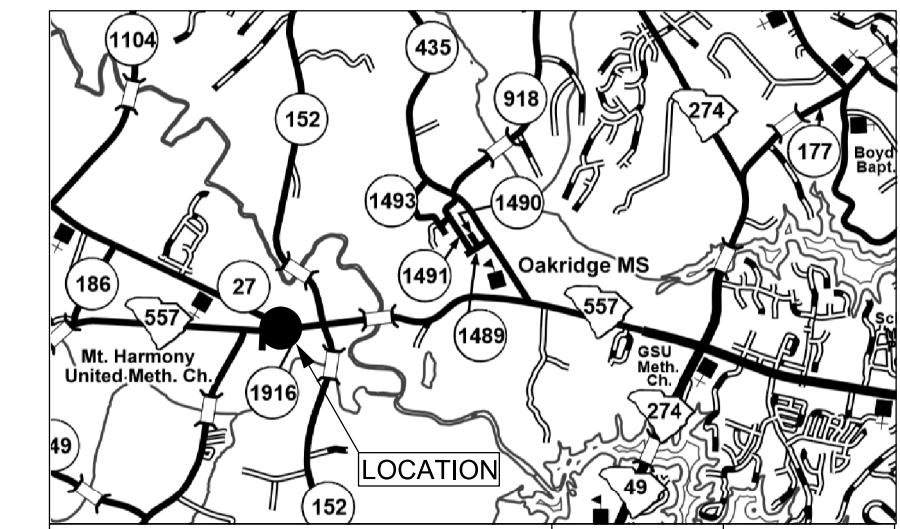


SIGNAL TIMINGS

INTERVAL	PHASE							
	1	2	3	4	5	6	7	8
WALK								
DON'T WALK								
MIN INITIAL		15		8		15		
MAX INITIAL		37				37		
ADD/VEH		1.5				1.5		
VEH EXT		6.0		3.0		6.0		
TIM BFR REDUC		15				15		
TIME TO REDUC		30				30		
MIN GAP		2.5				2.5		
MAX LIMIT		45		25		45		
MAXIMUM 2								
YELLOW		4.7		3.0		4.7		
RED CLEAR		2.8		3.0		2.8		

TABLE OF OPERATIONS

TABLE OF OPERATION	PHASE IN OPERATION			
	Ø2 + Ø6	Ø4	F L A S H	H
SIGNAL HEAD #				
2	G	R	Y	
4	R	G	R	
6	G	R	Y	



ROUTE NUMBER	SC 557	S-46-27
APPROACH DIRECTION	EB WB NB SB	
SIGNAL DESIGN SPEED	45 45 45 -	
GRADE (%)	-2.4 2.4 0 -	

* ESTIMATED

Prepared For: **TEMPORARY TRAFFIC SIGNAL PLAN**
SC 557 at Existing S-46-27 (Ridge Rd.)
District 4 York County Clover, SC

Plan Date: March 31st, 2022 Reviewed By: Katelyn Love
Prepared By: Mitchal Johnson RKA Project Number: 19317.00

3			
2	MLJ	8/15/22	Splice Boxes
1	MLJ	8/10/22	Clearance Updated
Rev. No.	By	Date	Description of Revision

0 30' 60'

Prepared By: **RKA RAMEY KEMP ASSOCIATES**
7301 Rivers Avenue Suite 242 North Charleston, SC 29406 Phone: 843-614-3800 www.rameykemp.com

SCDOT South Carolina Department of Transportation

SOUTH CAROLINA RAMEY KEMP & ASSOCIATES, INC. No. 3111
LICENSED PROFESSIONAL ENGINEER NO. 37486
DATE: 9/27/2022

SIGNAL EQUIPMENT

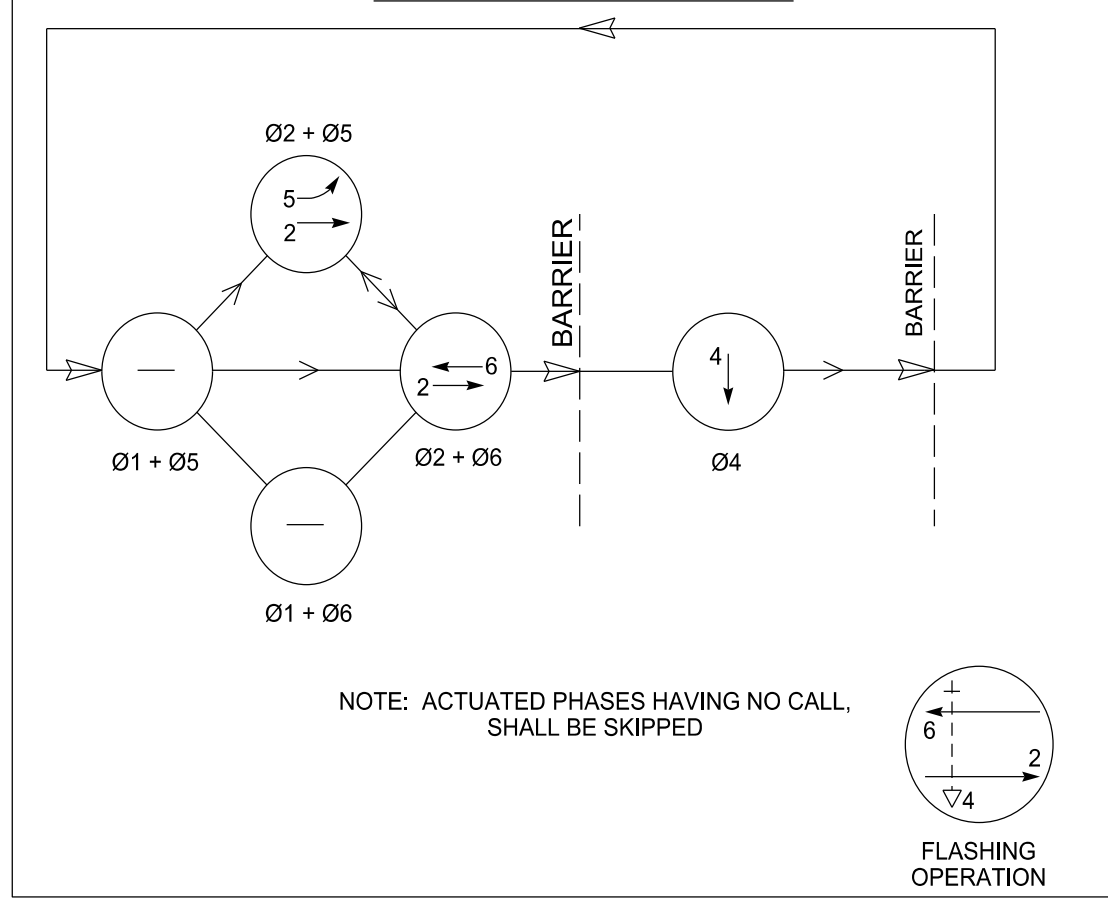
ONE (1) NEW 8-PHASE FULLY ACTUATED STANDARD 2070 CONTROLLER WITH FLASHER, SIGNAL MONITOR UNIT, AND BASE-MOUNTED 332A CABINET.
4 ORACLE MODEL 222, (2)-CHANNEL VEHICLE DETECTOR UNITS

CABINET: EXT. PROP.
VEHICLE SIGNALS: EXT. PROP.
PEDESTRIAN SIGNALS: EXT. PROP.

HEAD NUMBER	2	4	5,6F	6
LENS	R R Y Y G G	R R Y Y G G	←R ←Y ←G	R R Y Y G G
PHASE	2	4	5,6F	6
SIZE	12"	12"	12"	12"
QUANTITY	2	3	1	2

OLA: OLC: Ø5 + Ø6 (FYA)
OLB: OLD:
PERMANENT STEEL POLE AS NECESSARY: EXT. PROP.
TEMPORARY WOOD POLE AS NECESSARY: EXT. PROP.
SPLICE BOXES AS NECESSARY: EXT. PROP.
INDUCTANCE LOOPS AS NECESSARY: EXT. PROP.

NEMA PHASING



LOOP DETECTOR INSTALLATION CHART

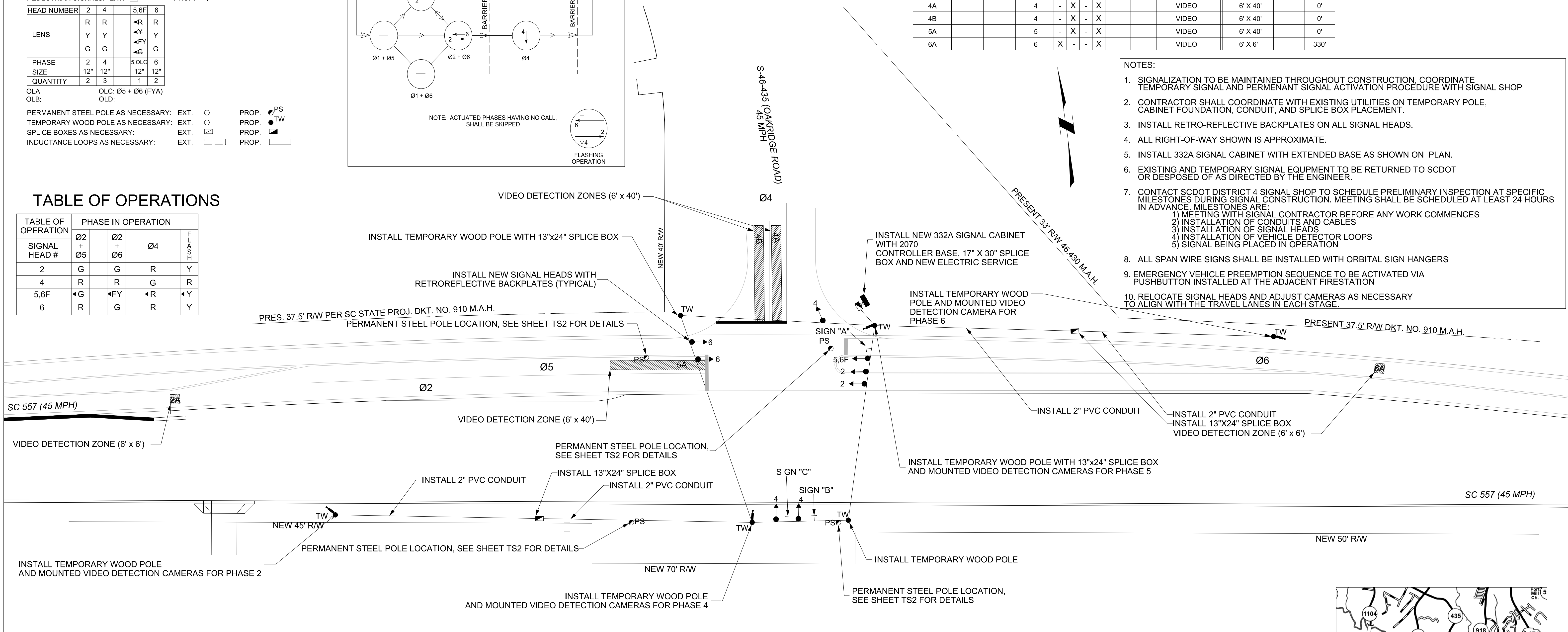
PHASE/ LOOP LTR#	DETECTOR AMP NO.	CHAN NO.	WIRED TO PHASE(S)	LOCK	NON-LOCK	PULSE	PRES	OPERATION		SPECIAL FEATURES	LOOP DESIGN		
								DELAY SEC	EXT SEC		TIME OF DAY-TOD, SWITCHING, etc.	SIZE	NO. OF TURNS	DIST. FROM
2A			2	X	-	-	X			VIDEO	6' X 6'		330'
4A			4	-	X	-	X			VIDEO	6' X 40'		0'
4B			4	-	X	-	X			VIDEO	6' X 40'		0'
5A			5	-	X	-	X			VIDEO	6' X 40'		0'
6A			6	X	-	-	X			VIDEO	6' X 6'		330'

NOTES:

- SIGNALIZATION TO BE MAINTAINED THROUGHOUT CONSTRUCTION, COORDINATE TEMPORARY SIGNAL AND PERMANENT SIGNAL ACTIVATION PROCEDURE WITH SIGNAL SHOP
- CONTRACTOR SHALL COORDINATE WITH EXISTING UTILITIES ON TEMPORARY POLE, CABINET FOUNDATION, CONDUIT, AND SPLICE BOX PLACEMENT.
- INSTALL RETRO-REFLECTIVE BACKPLATES ON ALL SIGNAL HEADS.
- ALL RIGHT-OF-WAY SHOWN IS APPROXIMATE.
- INSTALL 332A SIGNAL CABINET WITH EXTENDED BASE AS SHOWN ON PLAN.
- EXISTING AND TEMPORARY SIGNAL EQUIPMENT TO BE RETURNED TO SCDOT OR DESPOSED OF AS DIRECTED BY THE ENGINEER.
- CONTACT SCDOT DISTRICT 4 SIGNAL SHOP TO SCHEDULE PRELIMINARY INSPECTION AT SPECIFIC MILESTONES DURING SIGNAL CONSTRUCTION. MEETING SHALL BE SCHEDULED AT LEAST 24 HOURS IN ADVANCE. MILESTONES ARE:
 - MEETING WITH SIGNAL CONTRACTOR BEFORE ANY WORK COMMENCES
 - INSTALLATION OF CONDUITS AND CABLES
 - INSTALLATION OF SIGNAL HEADS
 - INSTALLATION OF VEHICLE DETECTOR LOOPS
 - SIGNAL BEING PLACED IN OPERATION
- ALL SPAN WIRE SIGNS SHALL BE INSTALLED WITH ORBITAL SIGN HANGERS
- EMERGENCY VEHICLE PREEMPTION SEQUENCE TO BE ACTIVATED VIA PUSHBUTTON INSTALLED AT THE ADJACENT FIRESTATION
- RELOCATE SIGNAL HEADS AND ADJUST CAMERAS AS NECESSARY TO ALIGN WITH THE TRAVEL LANES IN EACH STAGE.

TABLE OF OPERATIONS

TABLE OF OPERATION	PHASE IN OPERATION				
	Ø2 + Ø5	Ø2 + Ø6	Ø4	F L S H	
SIGNAL HEAD #					
2	G	G	R	Y	
4	R	R	G	R	
5,6F	←G	←FY	←R	←Y	
6	R	G	R	Y	



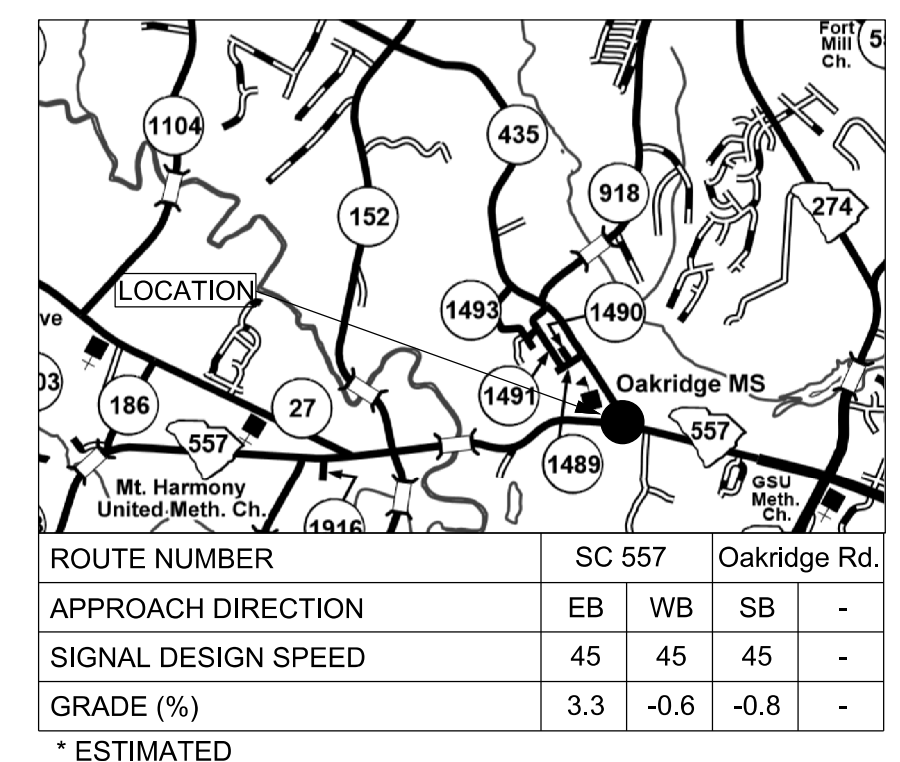
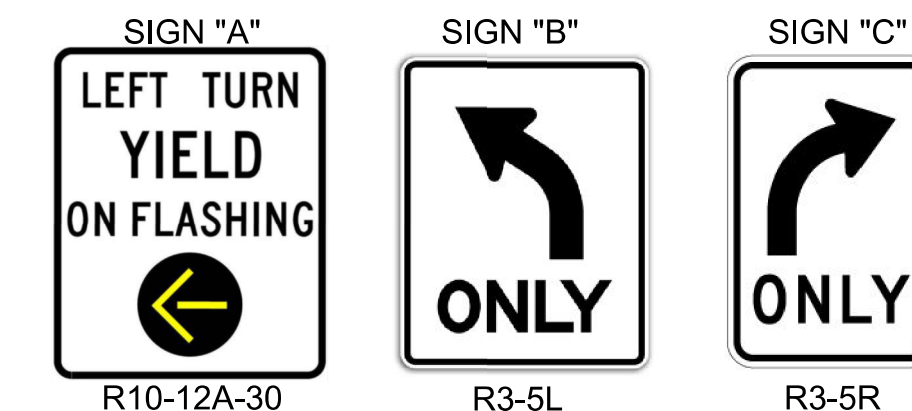
SIGNAL TIMINGS

INTERVAL	PHASE							
	1	2	3	4	5	6	7	8
WALK								
DON'T WALK								
MIN INITIAL		15		15	8	15		
MAX INITIAL		37				37		
ADD/VEH		1.5				1.5		
VEH EXT		6.0		3.0	3.0	6.0		
TIM BFR REDUC		15				15		
TIME TO REDUC		30				30		
MIN GAP		2.5				2.5		
MAX LIMIT		50		30	15	50		
MAXIMUM 2								
YELLOW		4.5		3.0	3.0	4.5		
RED CLEAR		1.5		2.0	2.2	1.5		

EMERGENCY VEHICLE PREEMPTION SEQUENCE

SIGNAL HEAD #	CONDITION 1					CONDITION 2					CONDITION 3									
	R / W	INTERVAL					R / W	INTERVAL					R / W	INTERVAL						
		1	2	9	10	11		3	4	9	10	11		5	6	9	10	11		
4	G	Y	R	R	R	G	Y	R	R	R	R	G	Y	R	R	R	R	R	R	R
5,6F	←G	←Y	←R	←R	←R	←FY	←Y	←R	←R	←R	←R	←G	←Y	←R	←R	←R	←R	←R	←R	←R
6	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R
TIMING	NO	4.5	2.2	20	3.0	2.0	NO	4.5	1.5	20	3.0	2.0	NO	3.0	2.0	20	3.0	2.0		

CONDITION 1 OCCURS WHEN SIGNAL IS PREEMPTED IN PHASE 2-5 R-W
CONDITION 2 OCCURS WHEN SIGNAL IS PREEMPTED IN PHASE 2-6 R-W
CONDITION 3 OCCURS WHEN SIGNAL IS PREEMPTED IN PHASE 4 R-W
IF PREEMPTION OCCURS DURING ANY PHASE YELLOW OR ALL RED CLEARANCE BEGIN CONDITION SEQUENCE 1 STARTING WITH PHASE 9 ONCE YELLOW AND RED PHASES HAVE TIMED OUT
EMERGENCY VEHICLE PREEMPTION PHASE 4 SB = 20.0 SECONDS
AFTER PREEMPTION CALL ENDS, RETURN TO NORMAL OPERATION BEGINNING WITH PHASE 2-5



Prepared For:

7301 Rivers Avenue
Suite 242
North Charleston, SC 29406
Phone: 843-614-3800
www.rkainc.com

South Carolina Department of Transportation

TEMPORARY TRAFFIC SIGNAL PLAN

SC 557
at
S-46-435 (Oakridge Road)

District 4 York County Clover, SC

Plan Date: March 31st, 2022 Reviewed By: Katelyn Love

Prepared By: Mitchal Johnson RKA Project Number: 19317.00

2	MLJ	8/15/22	Splice Boxes
1	MLJ	7/25/22	Adjusted Camera Detection
Rev. No.	By	Date	Description of Revision

9/27/2022

SIGNAL EQUIPMENT

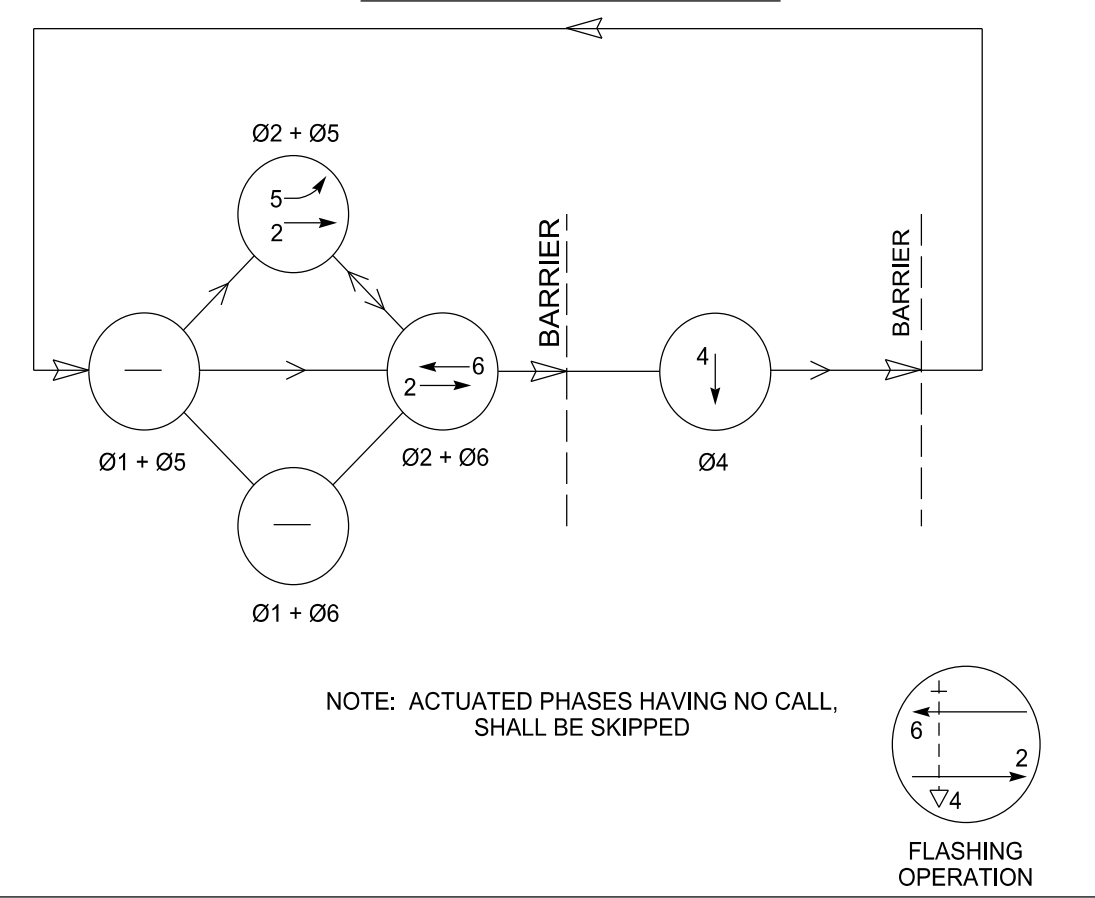
ONE (1) NEW 8-PHASE FULLY ACTUATED STANDARD 2070 CONTROLLER WITH FLASHER, SIGNAL MONITOR UNIT, AND BASE-MOUNTED 332A CABINET. 4 ORACLE MODEL 222, (2)-CHANNEL VEHICLE DETECTOR UNITS

CABINET: EXT. PROP.
 VEHICLE SIGNALS: EXT. PROP.
 PEDESTRIAN SIGNALS: EXT. PROP.

HEAD NUMBER	2	4	5,6F	6
LENS	R	R	←R	R
	Y	Y	←Y	Y
	G	G	←G	G
PHASE	2	4	5,6F	6
SIZE	12"	12"	12"	12"
QUANTITY	2	3	1	2

OLA: OLC: Ø5 + Ø6 (FYA)
 OLB: OLD:
 PERMANENT STEEL POLE AS NECESSARY: EXT. PROP.
 TEMPORARY WOOD POLE AS NECESSARY: EXT. PROP.
 SPLICE BOXES AS NECESSARY: EXT. PROP.
 INDUCTANCE LOOPS AS NECESSARY: EXT. PROP.

NEMA PHASING



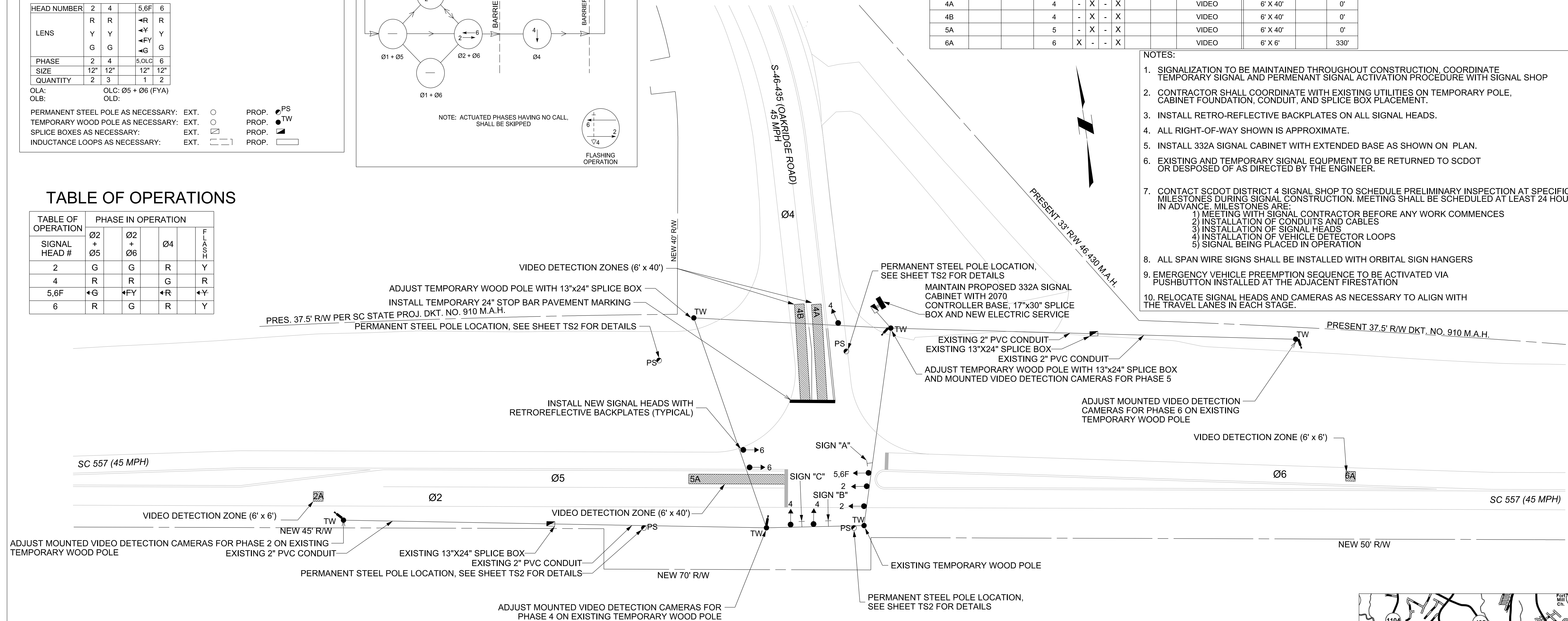
LOOP DETECTOR INSTALLATION CHART

PHASE/ LOOP LTR#	DETECTOR AMP NO.	CHAN NO.	WIRED TO PHASE(S)	LOCK	NON-LOCK	PULSE	PRES	OPERATION		SPECIAL FEATURES	LOOP DESIGN		
								DELAY SEC	EXT SEC		TIME OF DAY-TOD, SWITCHING, etc.	SIZE	NO. OF TURNS	DIST. FROM
2A			2	X	-	-	X			VIDEO	6' X 6'		330'
4A			4	-	X	-	X			VIDEO	6' X 40'		0'
4B			4	-	X	-	X			VIDEO	6' X 40'		0'
5A			5	-	X	-	X			VIDEO	6' X 40'		0'
6A			6	X	-	-	X			VIDEO	6' X 6'		330'

- NOTES:
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 - RELOCATE SIGNAL HEADS AND CAMERAS AS NECESSARY TO ALIGN WITH THE TRAVEL LANES IN EACH STAGE.

TABLE OF OPERATIONS

TABLE OF OPERATION SIGNAL HEAD #	PHASE IN OPERATION				
	Ø2 + Ø5	Ø2 + Ø6	Ø4		FLASH
2	G	G	R		Y
4	R	R	G		R
5,6F	←G	←FY	←R		←Y
6	R	G	R		Y



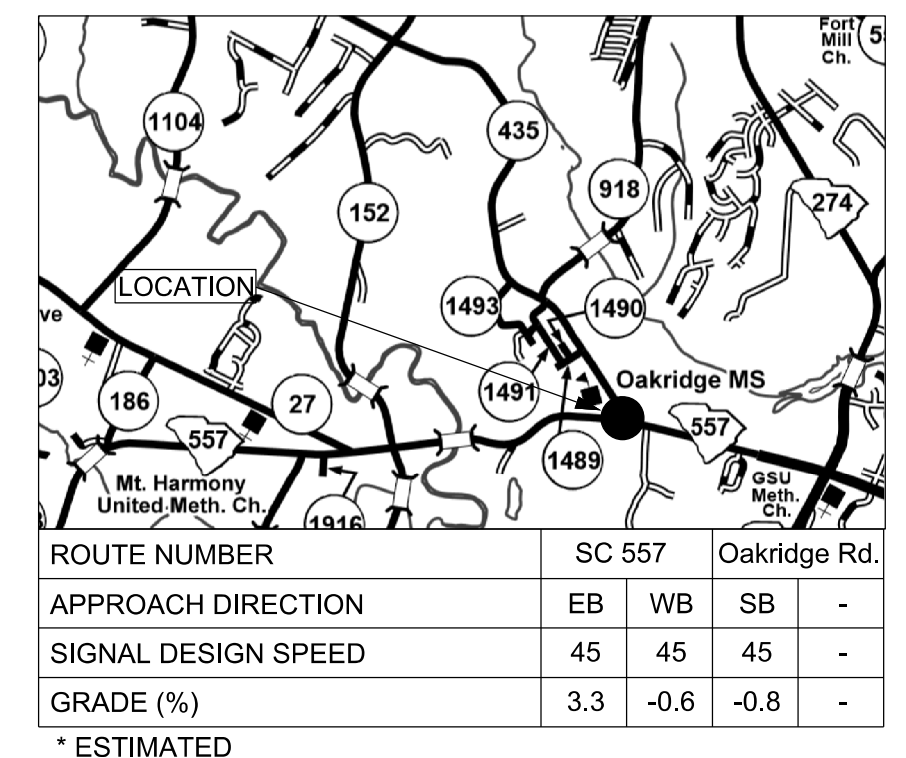
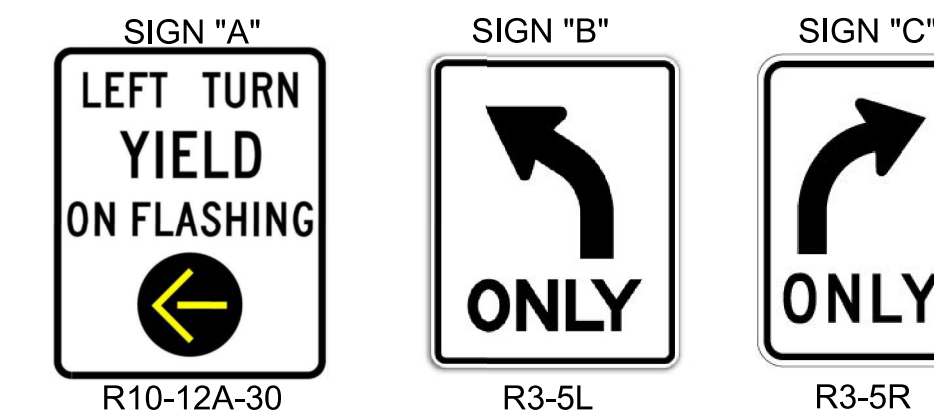
SIGNAL TIMINGS

INTERVAL	PHASE							
	1	2	3	4	5	6	7	8
WALK								
DON'T WALK								
MIN INITIAL		15		15	8	15		
MAX INITIAL		37				37		
ADD/VEH		1.5				1.5		
VEH EXT		6.0		3.0	3.0	6.0		
TIM BFR REDUC		15				15		
TIME TO REDUC		30				30		
MIN GAP		2.5				2.5		
MAX LIMIT		50		30	15	50		
MAXIMUM 2								
YELLOW		4.5		3.0	3.0	4.5		
RED CLEAR		1.5		2.5	1.5	1.5		

EMERGENCY VEHICLE PREEMPTION SEQUENCE

SIGNAL HEAD #	CONDITION 1					CONDITION 2					CONDITION 3								
	R / W	INTERVAL					R / W	INTERVAL					R / W	INTERVAL					
		1	2	9	10	11		3	4	9	10	11		5	6	9	10	11	
2	G	Y	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R
4	R	R	R	G	Y	R	R	R	R	G	Y	R	G	G	G	G	Y	R	R
5,6F	←G	←Y	←R	←R	←R	←R	←FY	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R
6	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R
TIMING	NO	4.5	1.5	20	3.0	2.5	NO	4.5	1.5	20	3.0	2.5	NO	3.0	2.5	20	3.0	2.5	

CONDITION 1 OCCURS WHEN SIGNAL IS PREEMPTED IN PHASE 2-5 R-W
 CONDITION 2 OCCURS WHEN SIGNAL IS PREEMPTED IN PHASE 2-6 R-W
 CONDITION 3 OCCURS WHEN SIGNAL IS PREEMPTED IN PHASE 4 R-W
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 EMERGENCY VEHICLE PREEMPTION PHASE 4 SB = 20.0 SECONDS
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Prepared For: **TEMPORARY TRAFFIC SIGNAL PLAN**
SC 557
 at
S-46-435 (Oakridge Road)
 District 4 York County Clover, SC
 Plan Date: March 31st, 2022 Reviewed By: Katelyn Love
 Prepared By: Mitchal Johnson RKA Project Number: 19317.00

2	MLJ	8/15/22	Splice Boxes
1	MLJ	7/25/22	Adjusted Camera Detection
Rev. No.	By	Date	Description of Revision

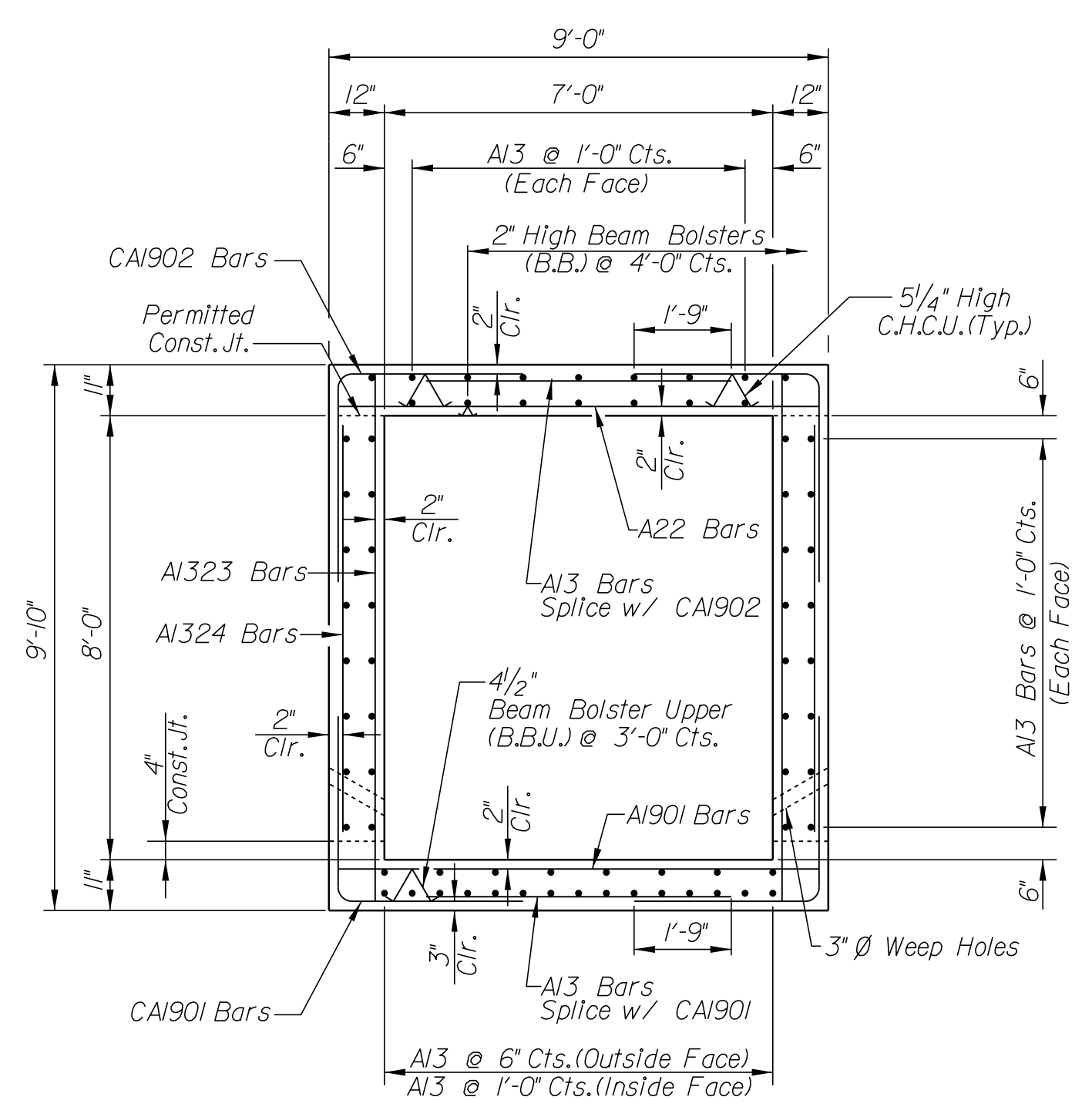
Prepared By:

RAMEY KEMP ASSOCIATES
 7301 Rivers Avenue
 Suite 242
 North Charleston, SC 29406
 Phone: 843-614-3800
 www.rameykemp.com

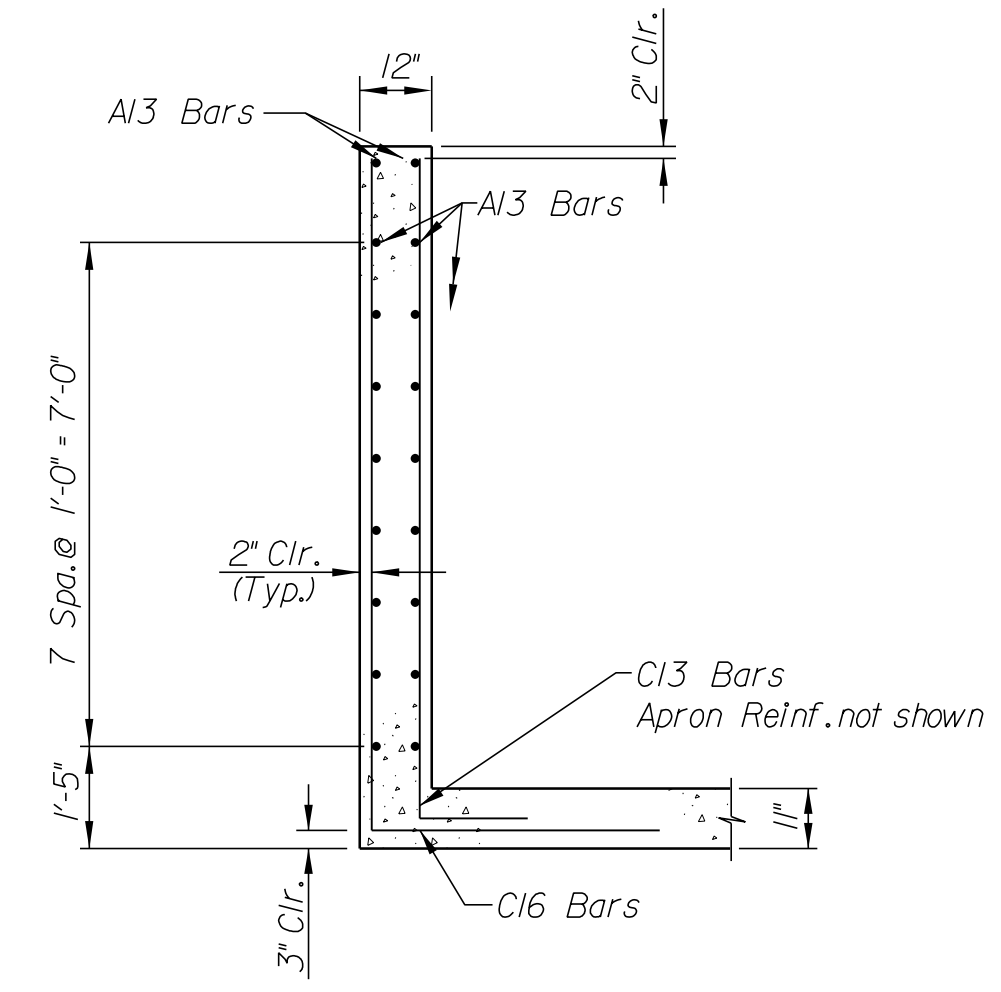
South Carolina Department of Transportation

SOUTH CAROLINA
 RAMEY KEMP & ASSOCIATES, INC.
 No. 3111
 CERTIFICATE OF AUTHORIZATION

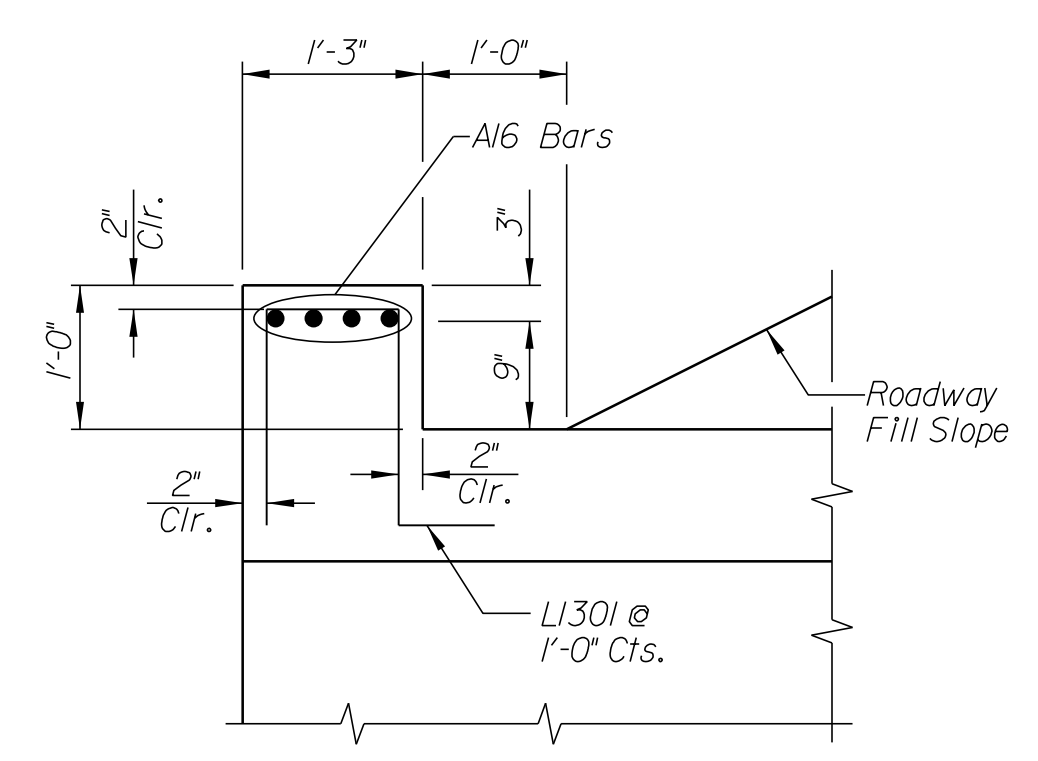
SOUTH CAROLINA
 PROFESSIONAL ENGINEER
 NO. 37486
 KATELYN N. LOVE
 24F754EFC3804C2



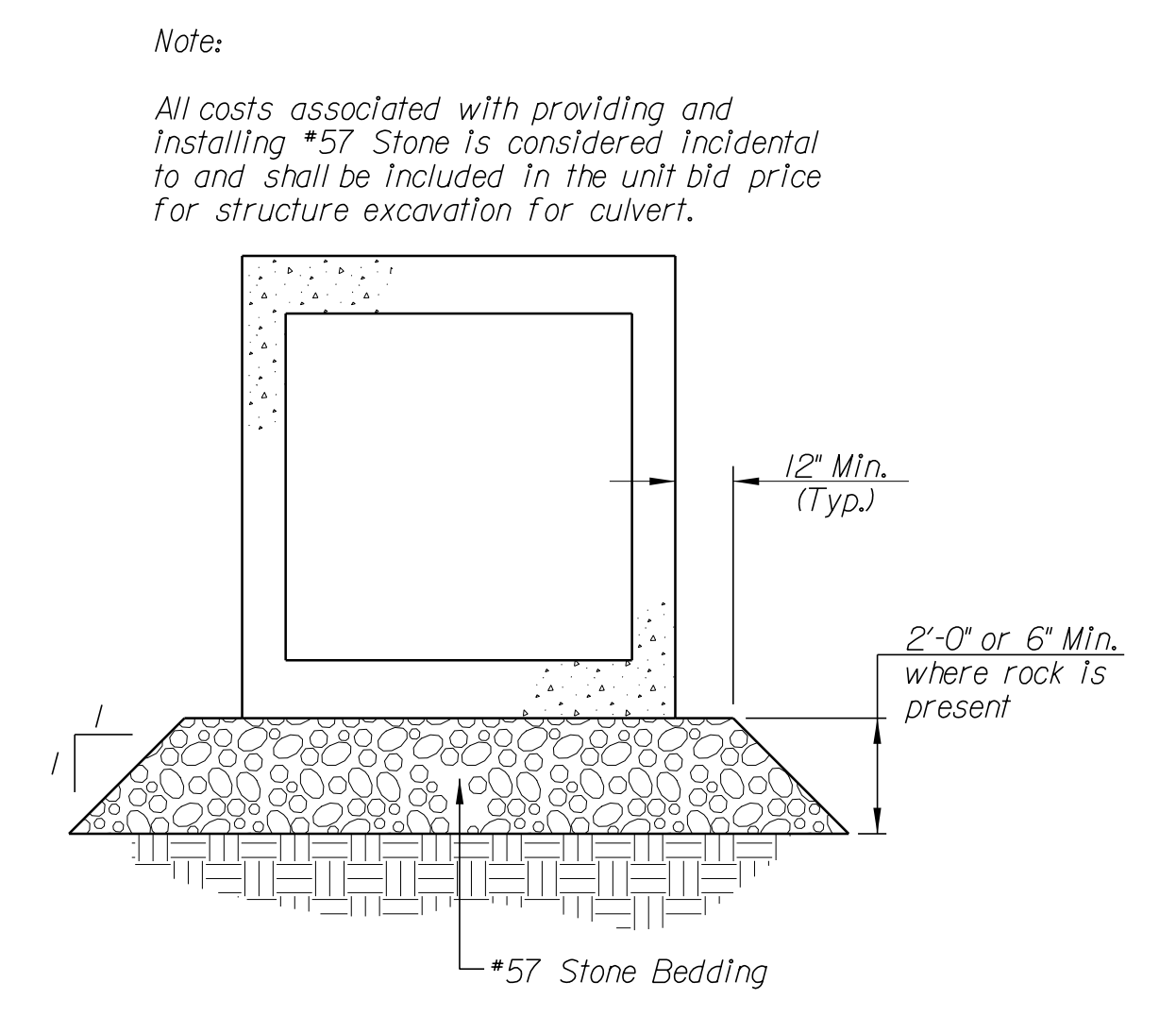
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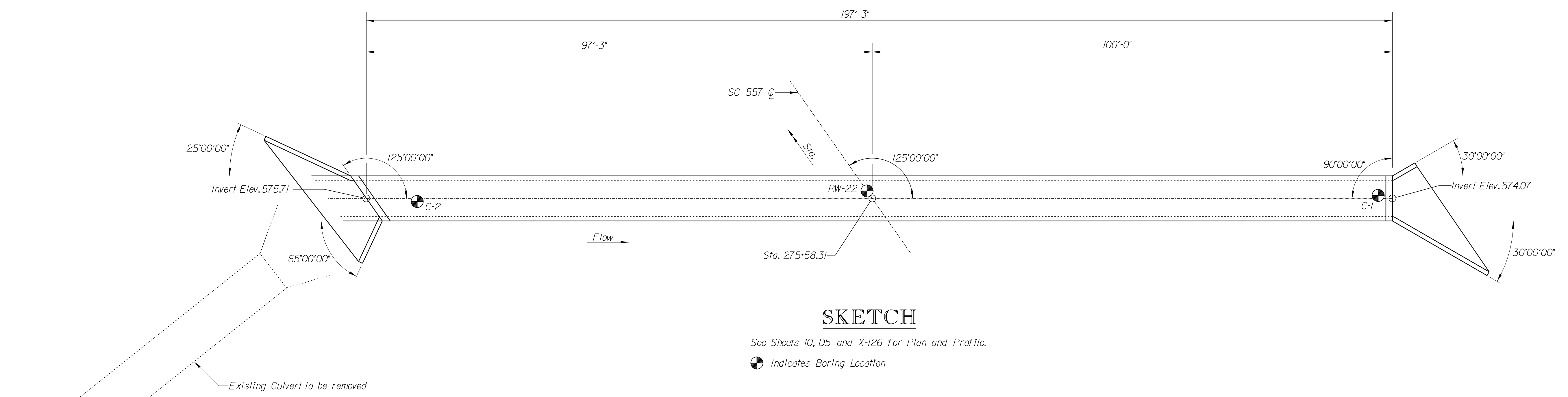
SECTION B-B



SECTION C-C



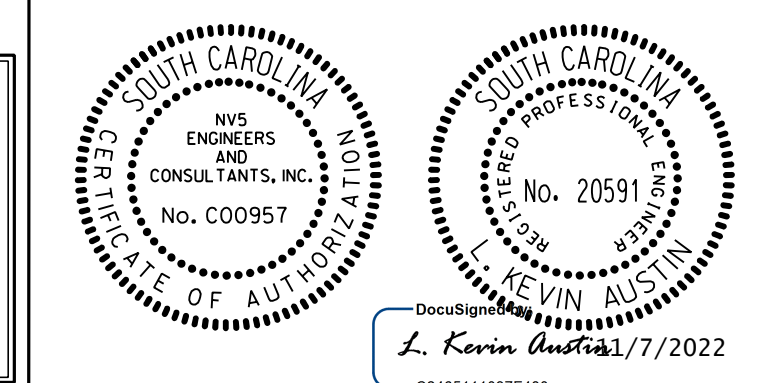
CULVERT & WINGWALL BEDDING DETAIL



SKETCH

See Sheets 10, D5 and X-126 for Plan and Profile.
 ● Indicates Boring Location

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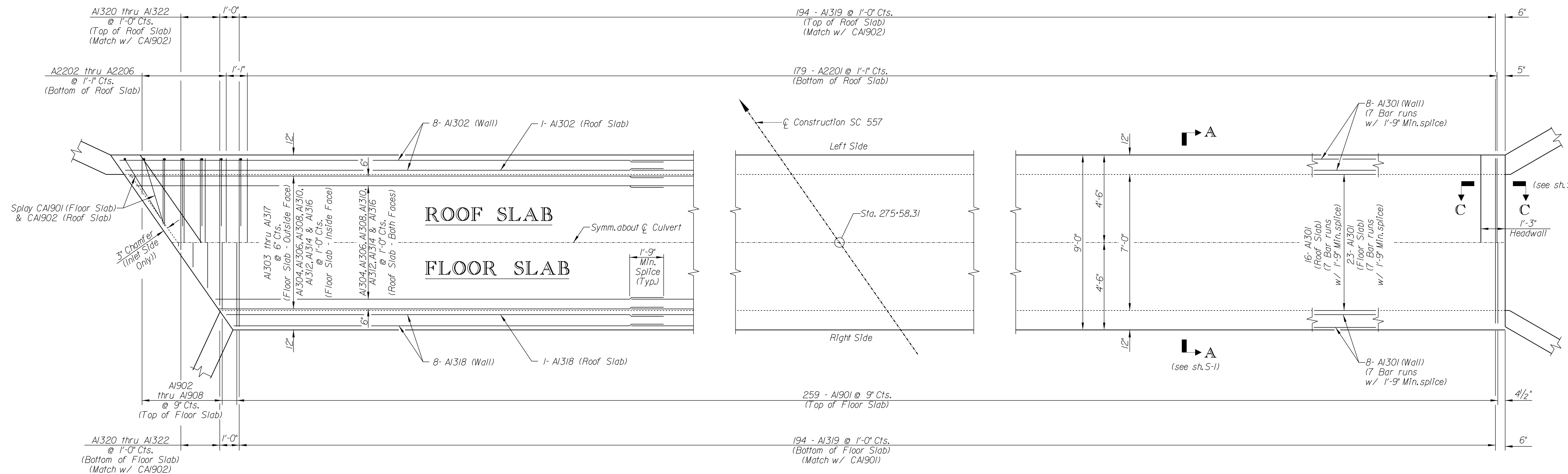


REV.			
REV.			
REV.			
REVIEWED			
QUAN.			
DR.	WBA	ZHB	8/19
DES.	CDR	ZHB	8/19
BY	CHK.	DATE	

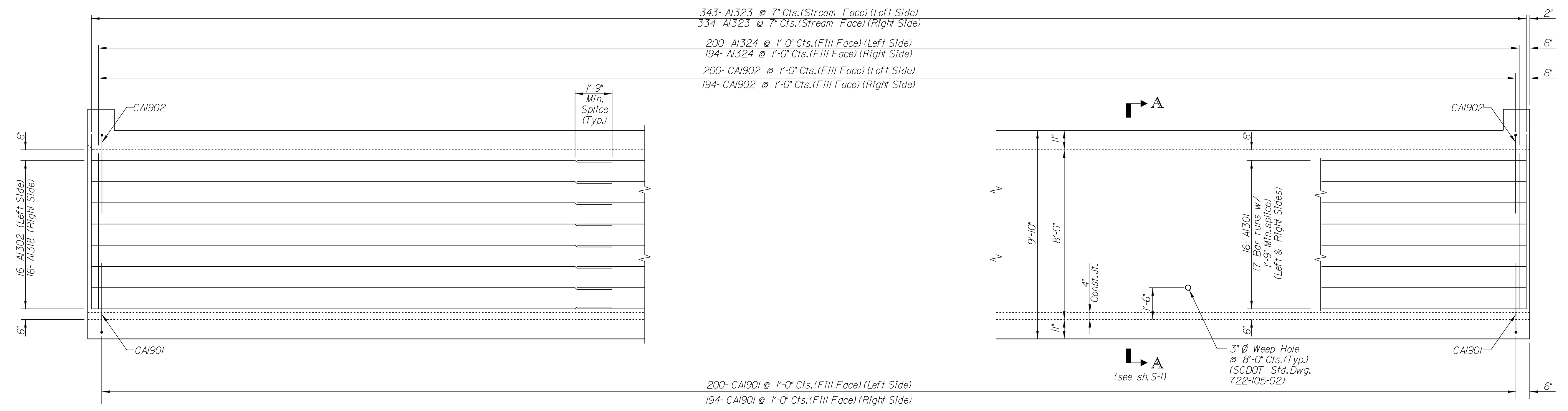
YORK COUNTY
PENNIES FOR PROGRESS

SINGLE 7' X 8'
REINF. CONCRETE BOX CULVERT
SC 557
STA. 275+58.31

COUNTY YORK ROUTE SC 557



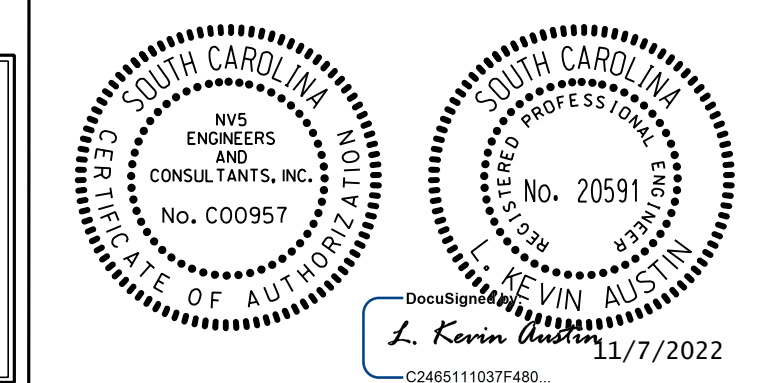
PLAN



ELEVATION

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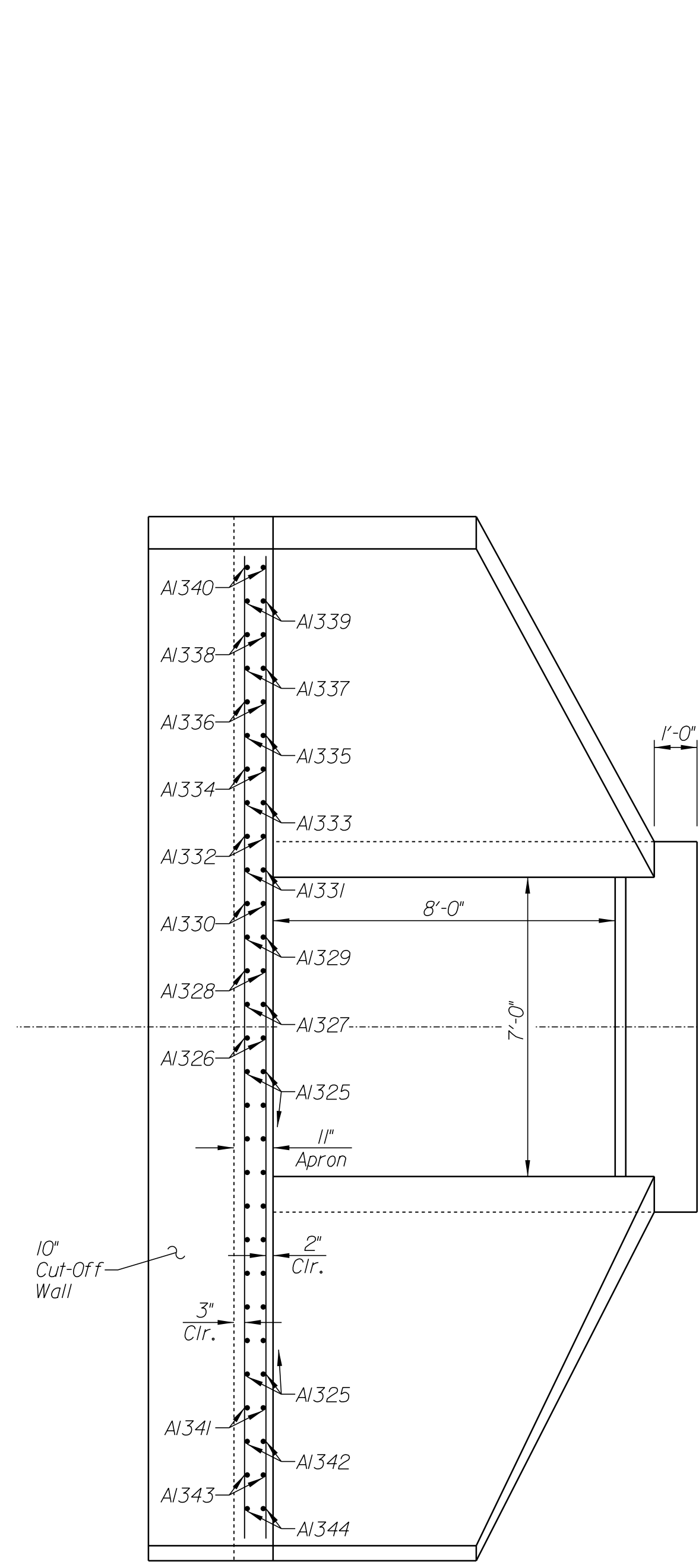


REV.			
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QUAN.			
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DES.	CDR	ZHB	8/19
BY	CHK.	DATE	

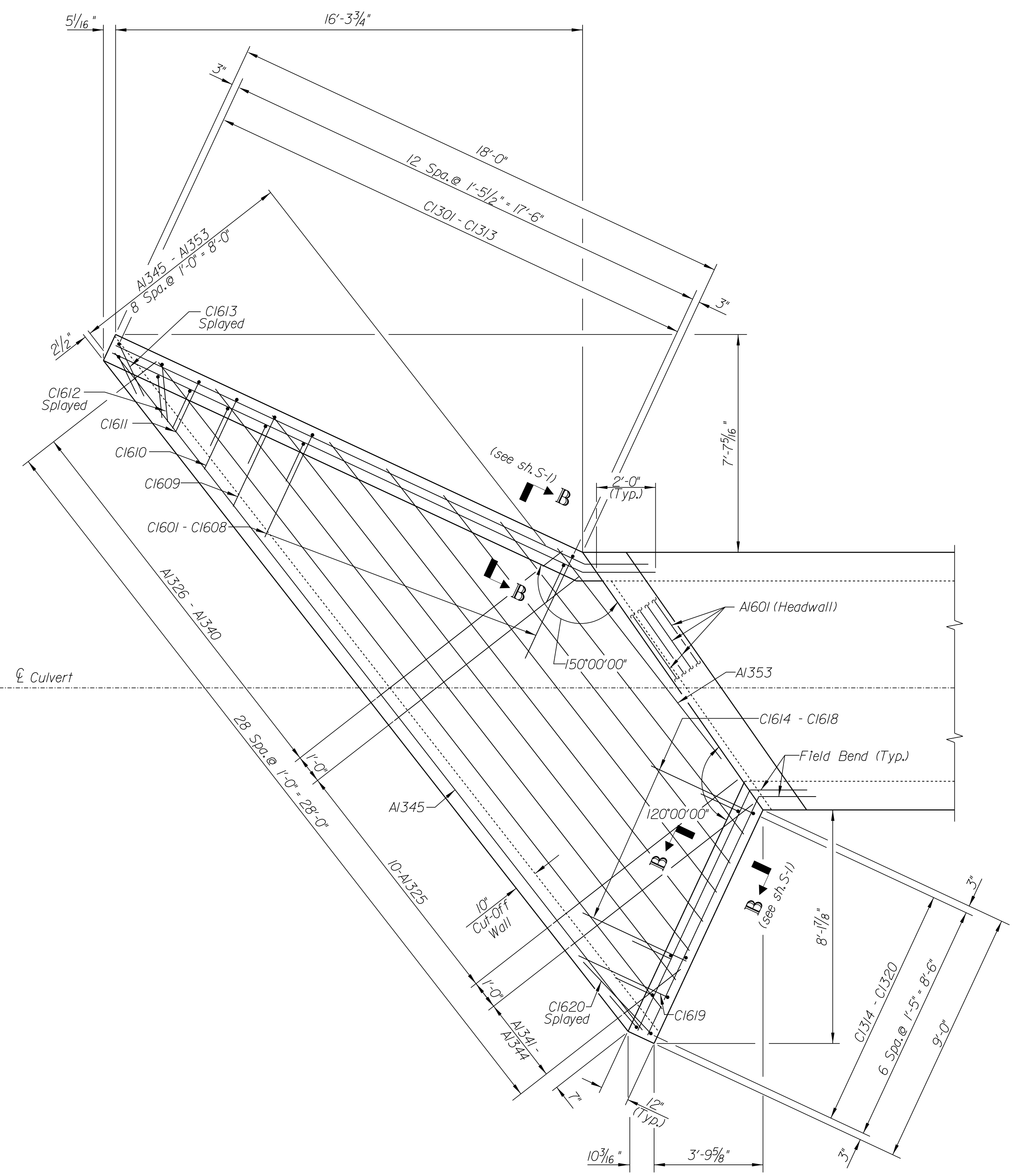
YORK COUNTY
PENNIES FOR PROGRESS

SINGLE 7' X 8'
REINF. CONCRETE BOX CULVERT
SC 557
STA. 275+58.31

COUNTY YORK ROUTE SC 557

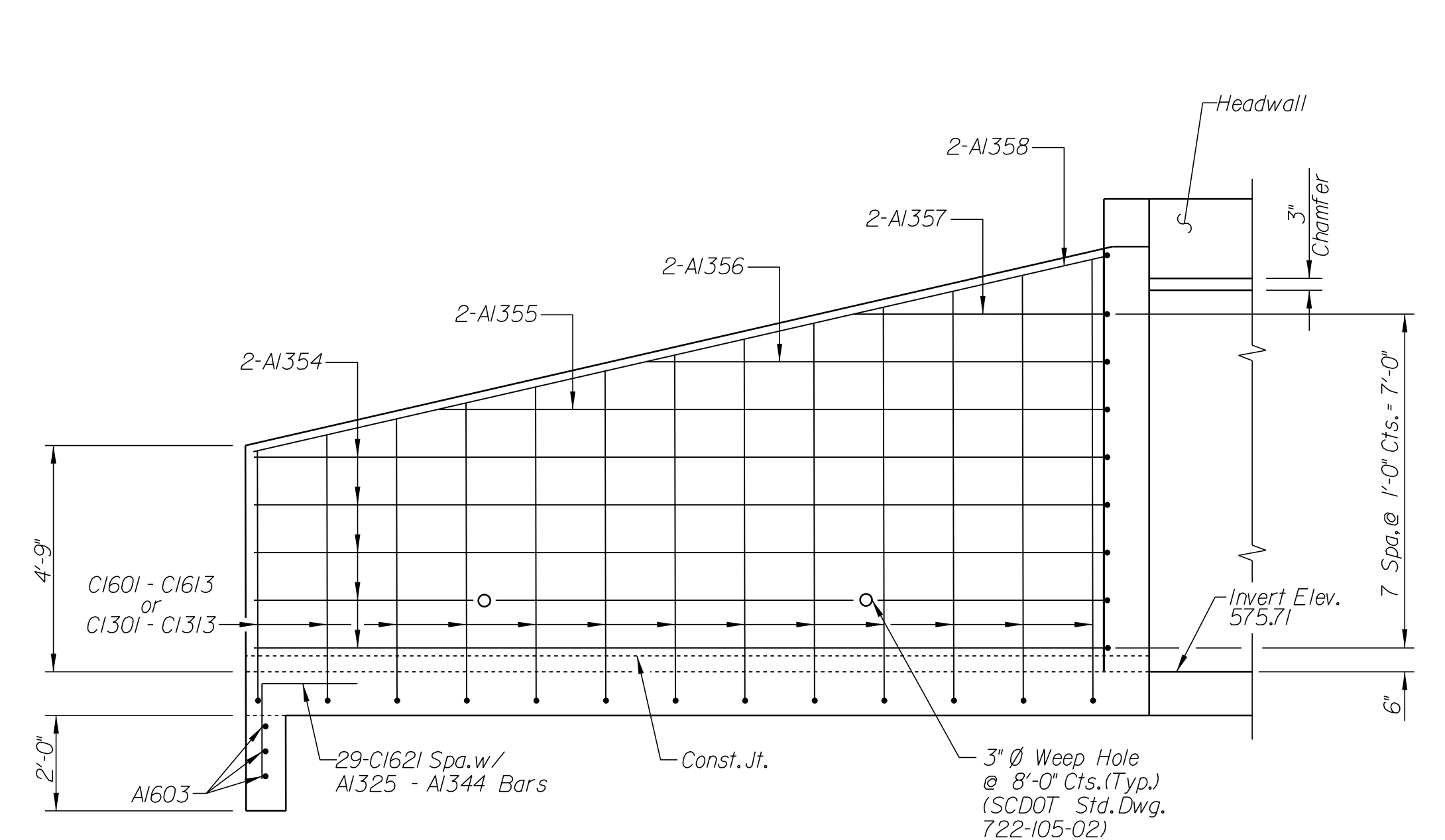


END ELEVATION

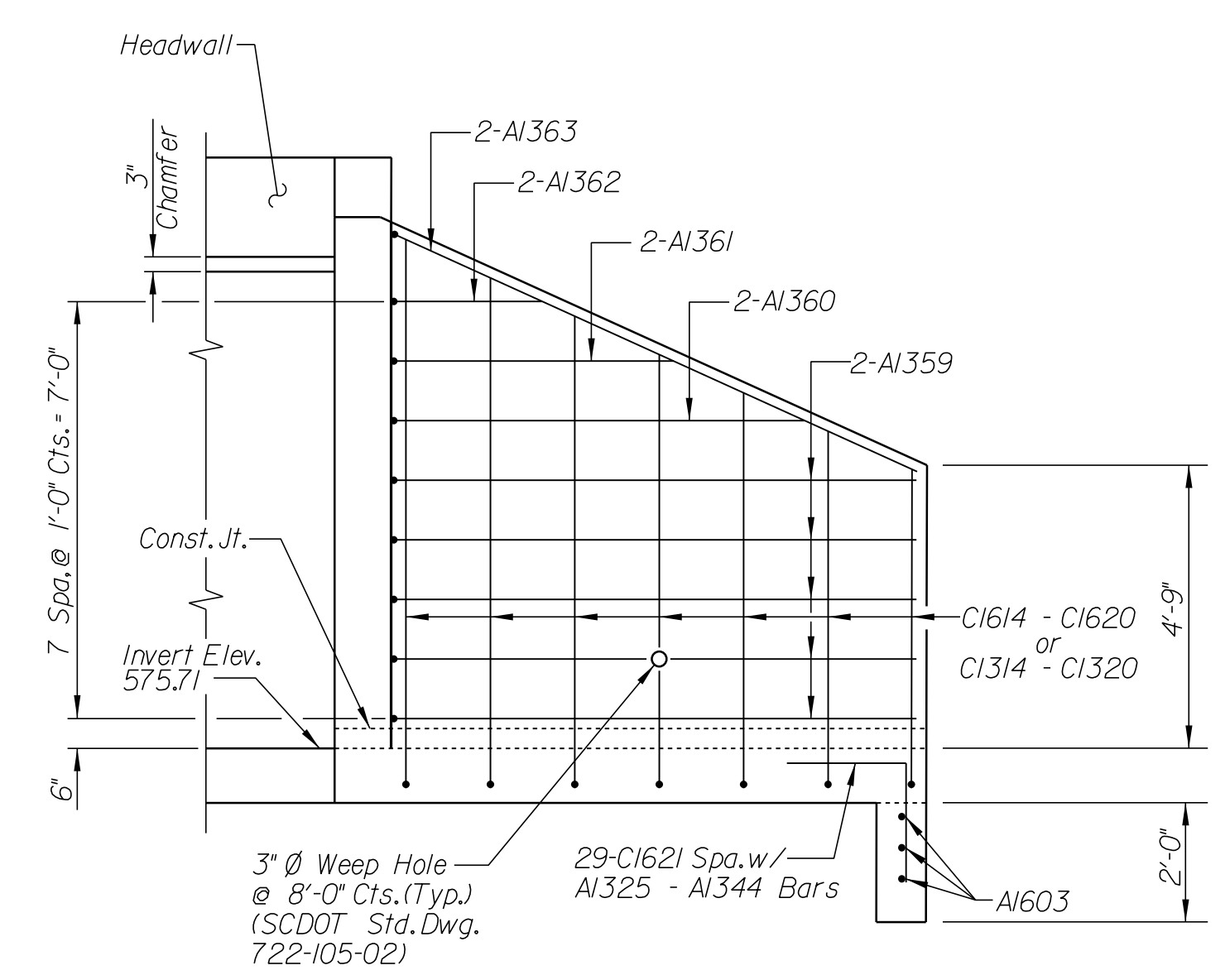


PLAN

INLET END

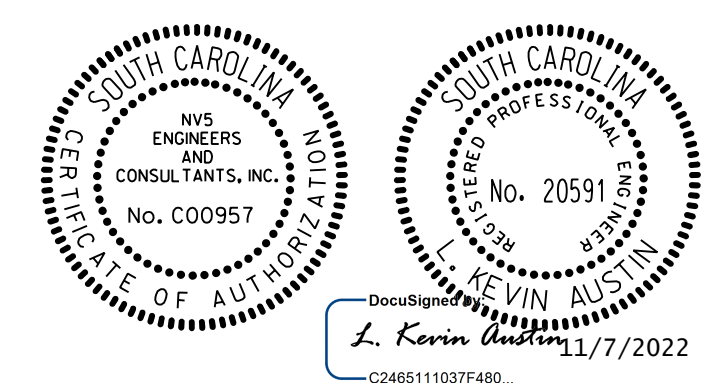


ELEVATION LEFT WINGWALL

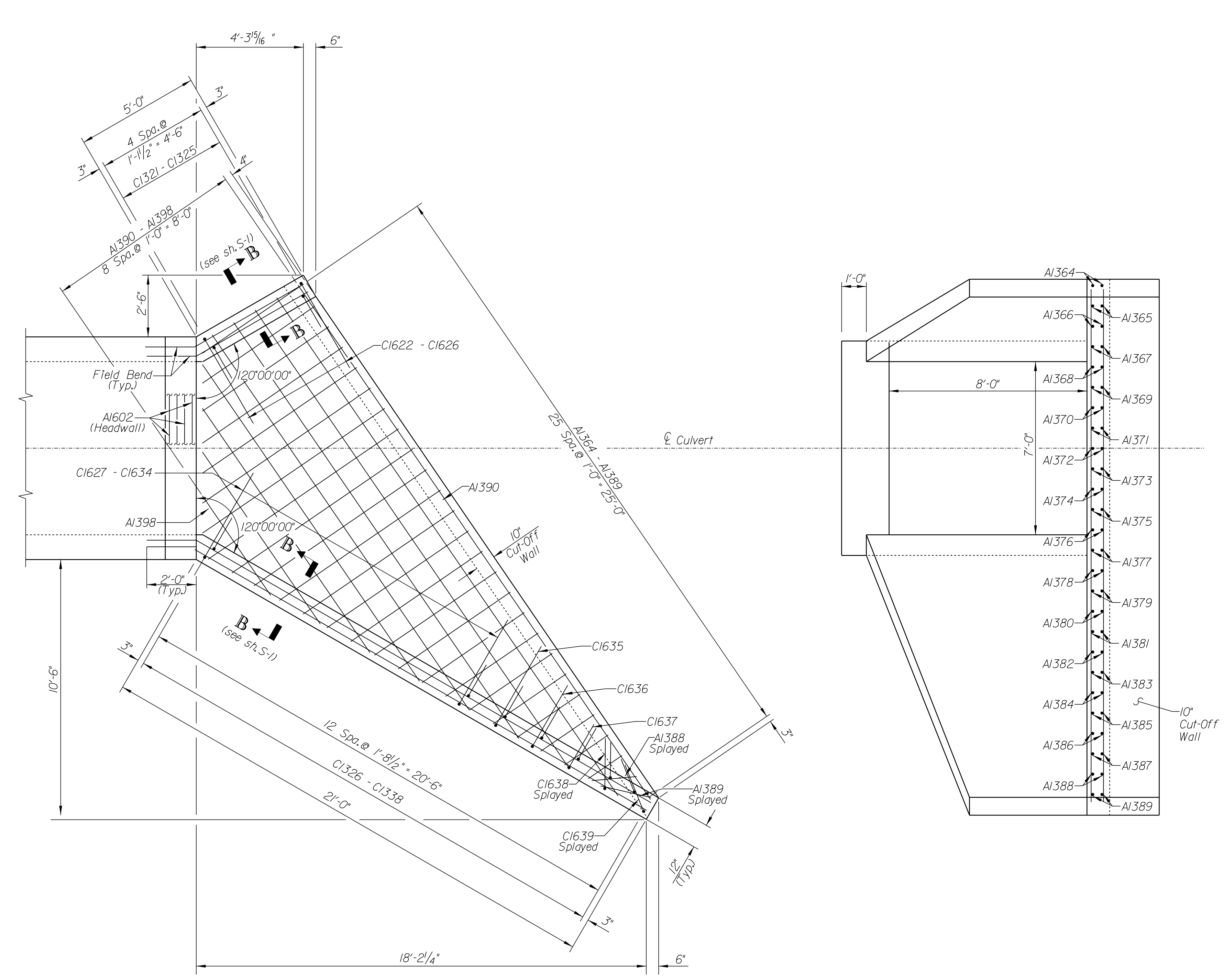
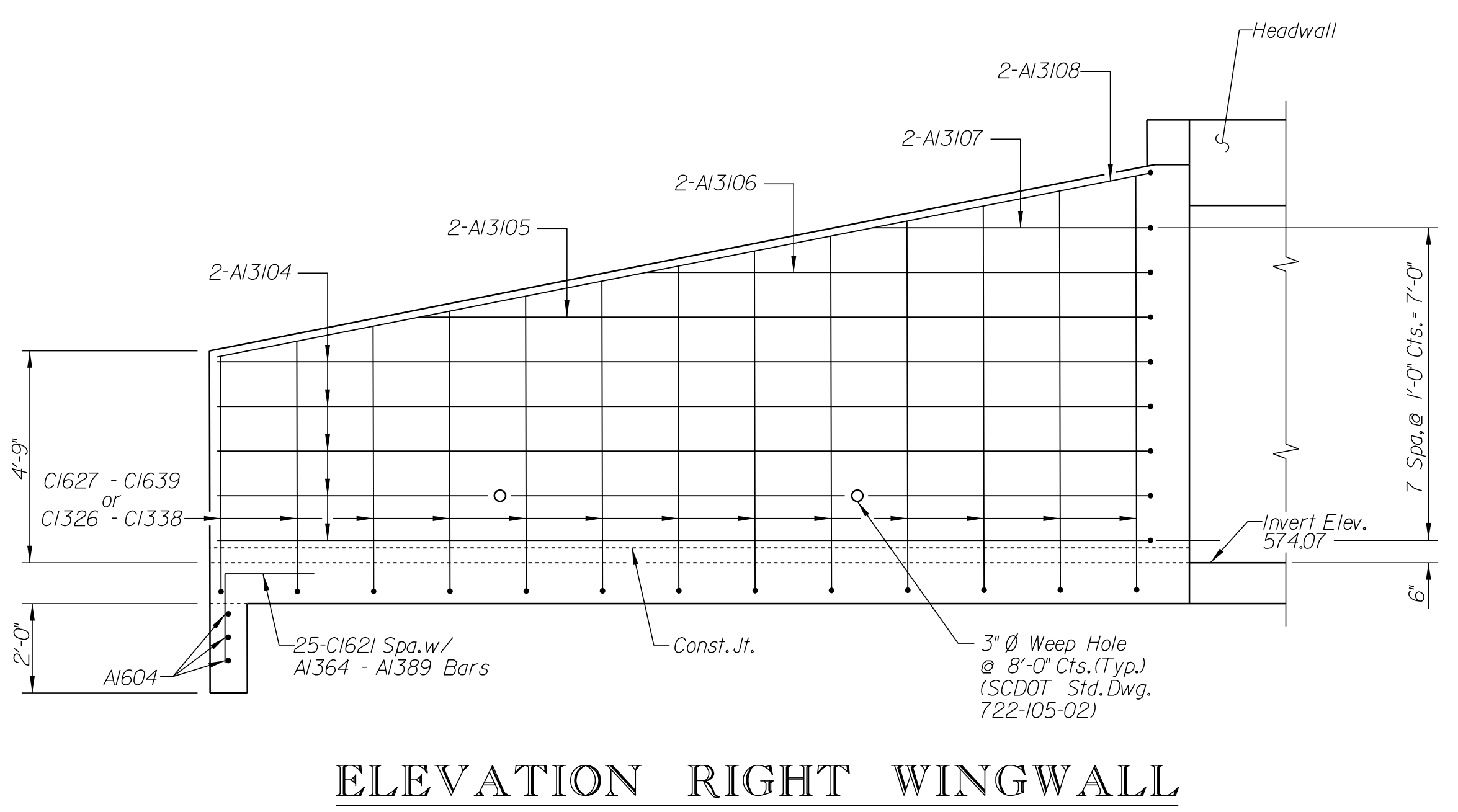
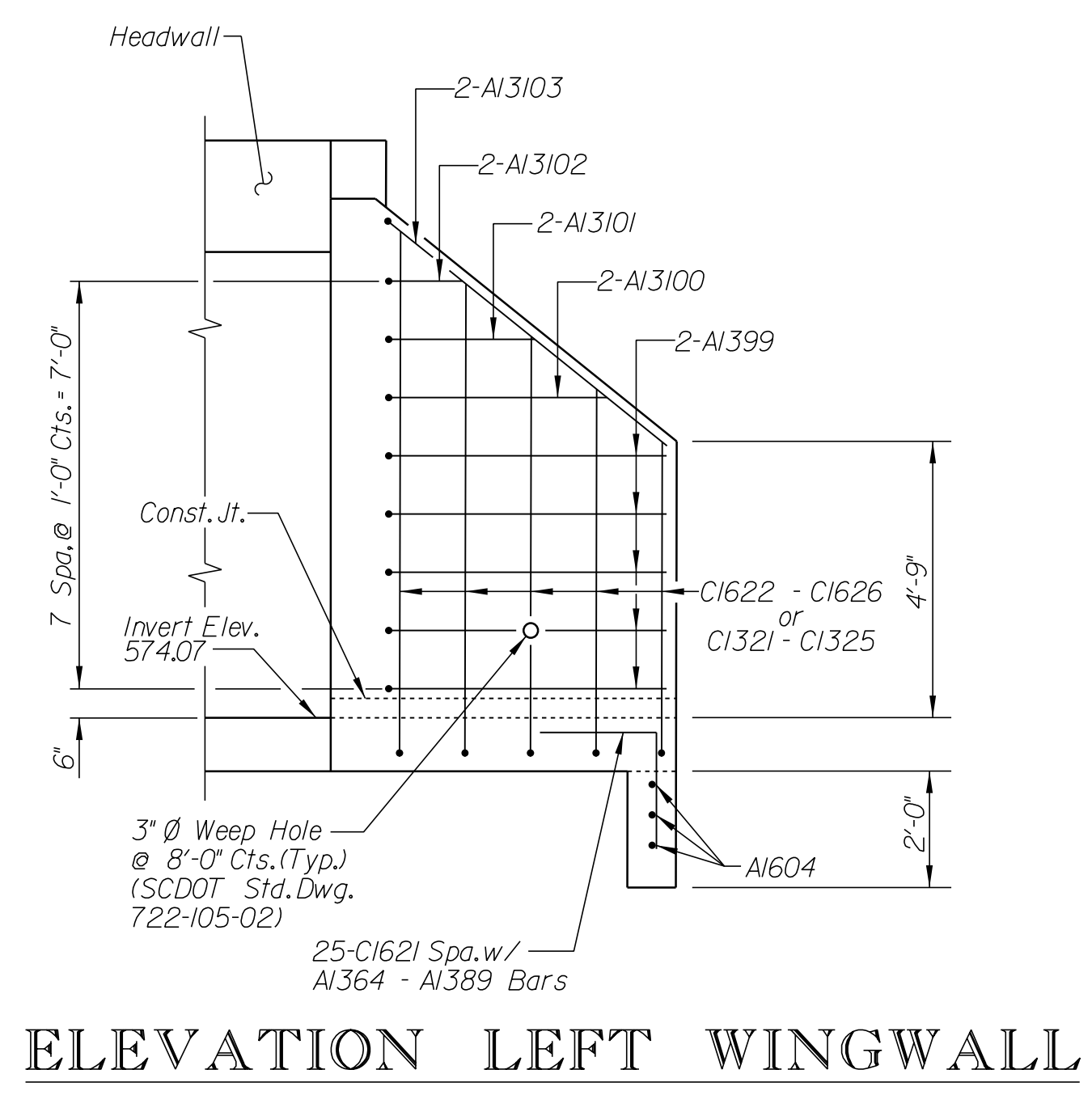


ELEVATION RIGHT WINGWALL

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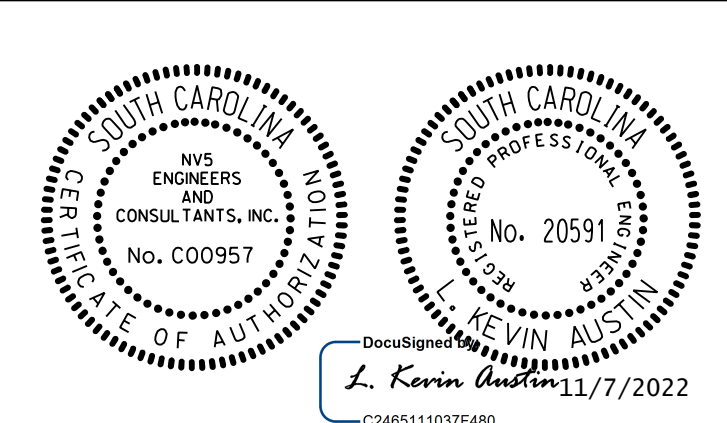


REV.				YORK COUNTY PENNIES FOR PROGRESS SINGLE 7' X 8' REINF. CONCRETE BOX CULVERT SC 557 STA. 275+58.31
REV.				
REV.				
REVIEWED				
QUAN.				
DR.	WBA	ZHB	8/19	COUNTY YORK ROUTE SC 557
DES.	CDR	ZHB	8/19	
BY	CHK	DATE		



OUTLET END

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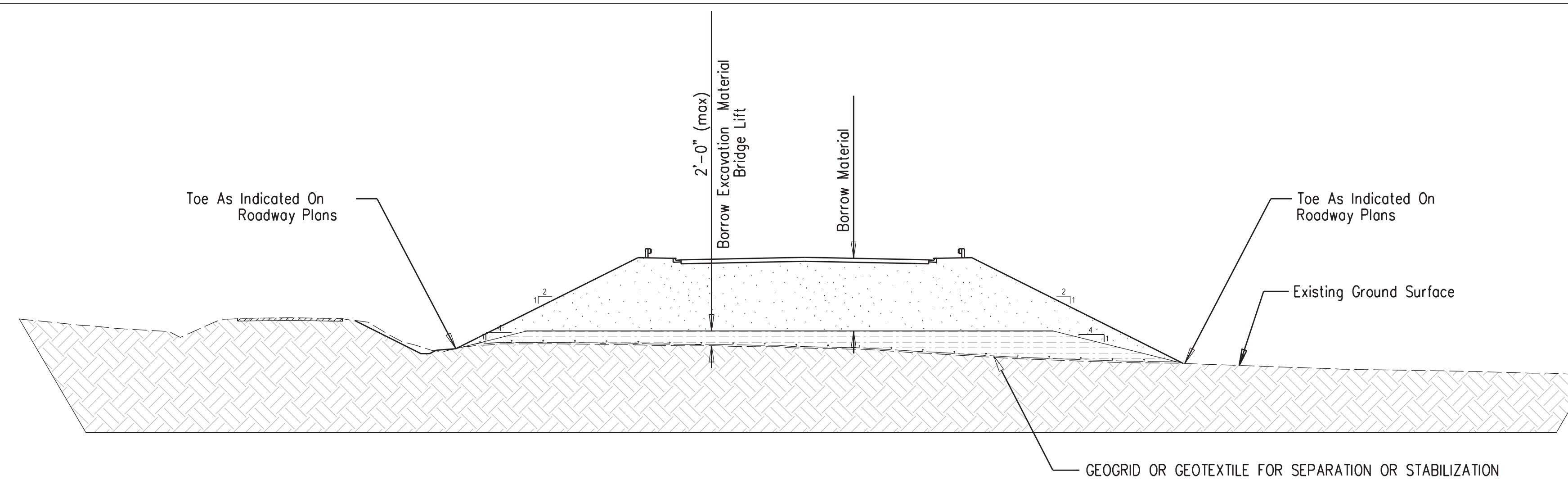
REV.		
REV.		
REV.		
REVIEWED		
QUAN.		
DR.		
DES.		
BY	CHK.	DATE

YORK COUNTY
PENNIES FOR PROGRESS

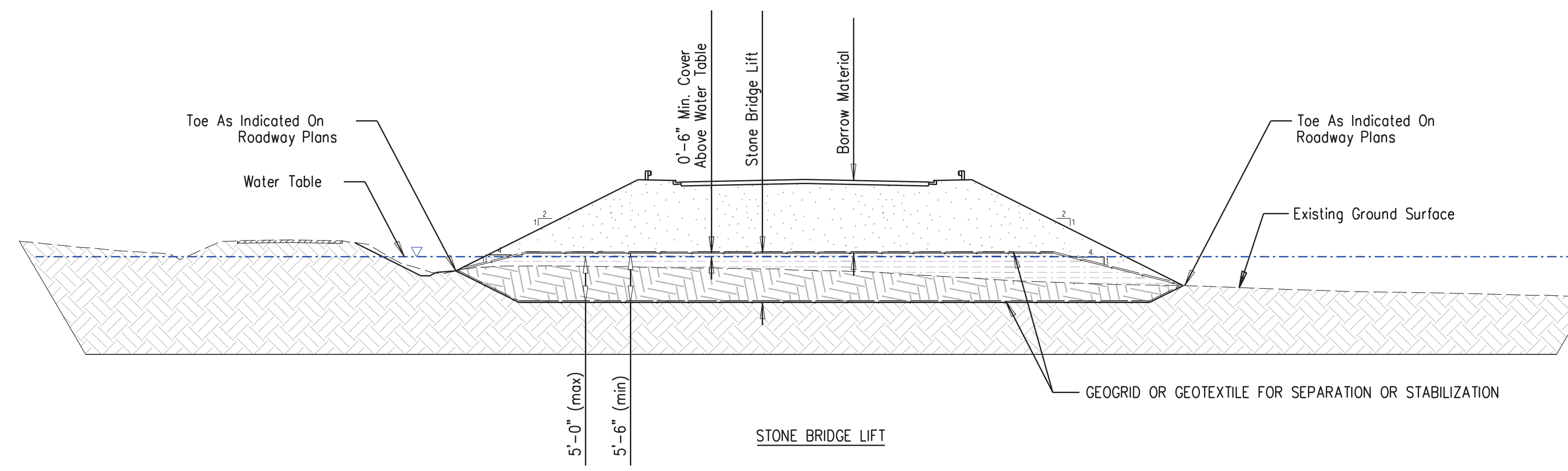
SINGLE 7' X 8'
REINF. CONCRETE BOX CULVERT
SC 557
STA. 275+58.31

COUNTY YORK ROUTE SC 557

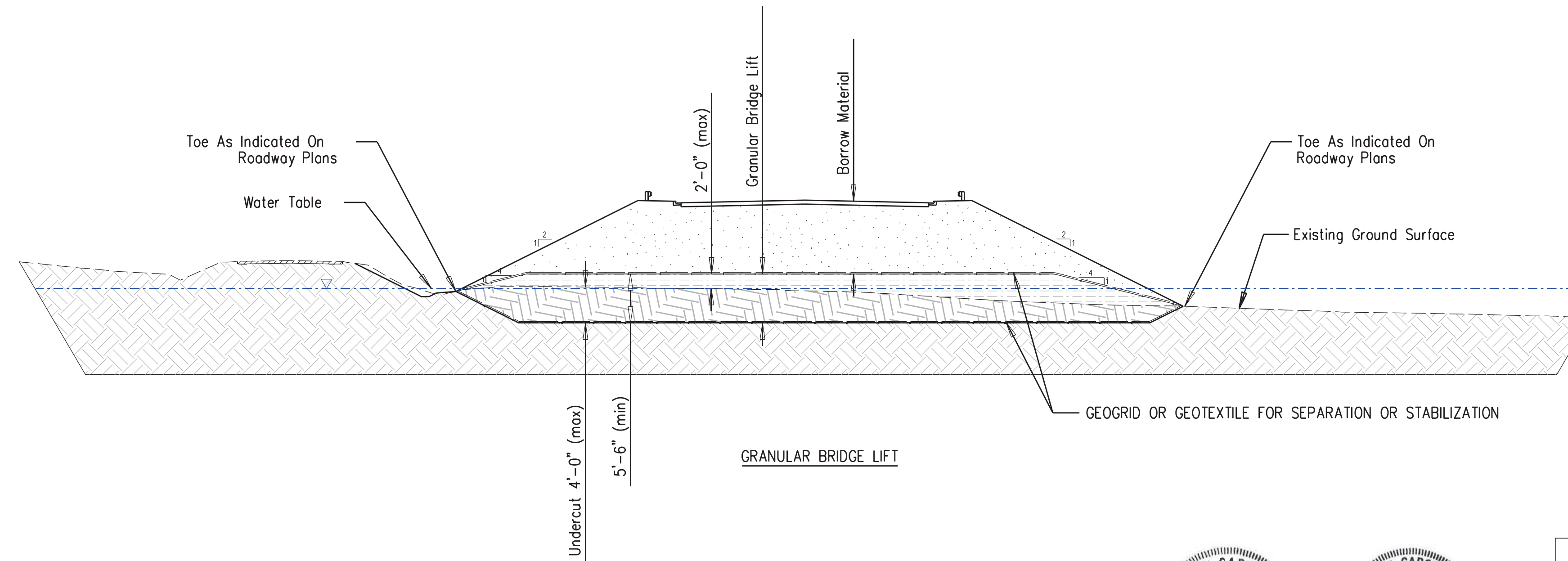
FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	YORK	0041800RD01	SC 557	G1



BORROW EXCAVATION BRIDGE LIFT



STONE BRIDGE LIFT



GRANULAR BRIDGE LIFT

LEGEND

	- BORROW MATERIAL		- EXISTING SOIL
	- UNDERCUT SOIL		- BRIDGE LIFT

BORROW MATERIAL

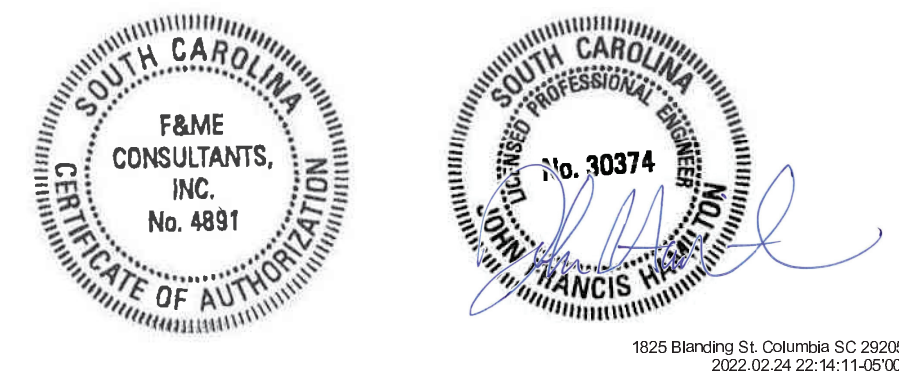
- BELOW THE TOP 5 FT. OF EMBANKMENT, ANY SOIL THAT DOES NOT MEET THE DESCRIPTION OF MUCK MAY BE USED TO FORM EMBANKMENTS AS LONG AS IT IS STABLE WHEN COMPACTED TO THE REQUIRED DENSITY.
- IN THE TOP 5 FT. OF EMBANKMENT, ONLY THE FOLLOWING SOIL TYPES ARE ACCEPTABLE: A-1, A-2, A-3, A-4, A-5, AND A-6.

MUCK EXCAVATION

- ANY AREAS THAT ARE DISCOVERED TO DEFLECT AND/OR SETTLE MAY REQUIRE MUCK EXCAVATION AS DIRECTED BY THE RCE. THE RCE WILL DETERMINE THE LATERAL EXTENT OF THE UNDERCUTTING. THE UNDERCUTTING SHOULD NOT EXTEND BEYOND THE TOE OF SLOPE. THE FINAL DEPTH OF MUCK EXCAVATION SHALL NOT EXCEED 5 FEET, UNLESS OTHERWISE SPECIFIED IN THE PLANS AND/OR SPECIFICATIONS. CONTACT THE GEOTECHNICAL ENGINEER OF RECORD (GEOR) IF MUCK EXCAVATION NEEDS TO EXCEED 5 FEET, AND IT HAS NOT BEEN PREVIOUSLY SPECIFIED IN THE PLANS OR SPECIFICATIONS.
- IF THE UNDERCUTTING COMPLETELY REMOVES THE MATERIALS IDENTIFIED AS MUCK, THEN BRIDGE LIFT MATERIALS MAY BE PLACED DIRECTLY ON THE FIRM MATERIAL.
- IF BECAUSE THE DEPTH OF MUCKING REQUIRES THAT THE MUCK MATERIAL MUST BE LEFT IN PLACE, PLACE A STABILIZING GEOSYNTHETIC MEETING THE REQUIREMENTS OF SC-M-203-1 (07/2017), *GEOSYNTHETIC MATERIALS FOR SEPARATION AND STABILIZATION*. AFTER PLACEMENT OF THE INITIAL BRIDGE LIFT MATERIAL, EXPOSE APPROXIMATELY 1 SQUARE FOOT OF THE GEOSYNTHETIC FOR VISUAL OBSERVATION TO IDENTIFY ANY DAMAGE CAUSED BY THE PLACEMENT OF THE BRIDGE LIFT MATERIAL. AFTER ASCERTAINING THAT THE GEOSYNTHETIC HAS NOT BEEN DAMAGED, REPLACE THE BRIDGE LIFT MATERIAL EXCAVATED TO ALLOW OBSERVATION OF THE GEOSYNTHETIC. IF THE GEOSYNTHETIC APPEARS TO BE DAMAGED, EXPOSE A LARGER AREA AND CONTACT THE GEOR FOR INSTRUCTIONS. ANY DAMAGED AREAS SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE DEPARTMENT.
- ANY RUTS THAT DEVELOP IN BRIDGE LIFT MATERIALS SHALL BE FILLED IN WITH SIMILAR BRIDGE LIFT MATERIALS. DO NOT BLADE DOWN THE RUTS, SINCE THIS WILL DECREASE THE THICKNESS OF THE BRIDGE LIFT.
- IN AREAS THAT REQUIRE MUCKING OR UNDERCUTTING, BORROW MATERIAL MAY BE PLACED AS THE BRIDGE LIFT AS LONG AS THE GRADE ON WHICH THE MATERIAL IS BEING PLACED IS AT LEAST 2 FEET ABOVE THE GROUNDWATER OR SURFACE WATER LEVEL. PLACE BORROW MATERIAL BRIDGE LIFTS IN SINGLE LIFT THICKNESSES NO GREATER THAN 2 FEET. DO NOT PLACE A BRIDGE LIFT CONSISTING OF BORROW MATERIAL WITHIN 3 FEET OF THE BASE OF THE PAVEMENT SECTION. PLACE ONLY COMPACTED BORROW MATERIAL SOIL OR STONE BRIDGE LIFT WITHIN THIS ZONE.
- IN THE EVENT THAT GROUNDWATER OR SURFACE WATER DOES NOT ALLOW BACKFILLING WITH BORROW MATERIAL SOIL, USE EITHER STONE OR GRANULAR BRIDGE LIFT MATERIALS MEETING THE REQUIREMENTS OF *BRIDGE LIFT MATERIALS* SUPPLEMENTAL TECHNICAL SPECIFICATION. PLACE THE BRIDGE LIFT MATERIALS IN SINGLE LIFT THICKNESSES NOT EXCEEDING 2 FEET. IF ADDITIONAL COMPACTED BORROW MATERIAL SOIL IS NEEDED TO REACH GRADE, PLACE A GEOTEXTILE FOR SEPARATION MEETING THE REQUIREMENTS OF SC-M-203-1 (07/2017), *GEOSYNTHETIC MATERIALS FOR SEPARATION AND STABILIZATION* BETWEEN THE STONE BRIDGE LIFT AND THE OVERLYING COMPACTED SOIL. AFTER THE PLACEMENT OF THE INITIAL LIFT OF COMPACTED MATERIAL, EXPOSE APPROXIMATELY 1 SQUARE FOOT OF GEOSYNTHETIC FOR VISUAL OBSERVATION TO IDENTIFY ANY DAMAGE CAUSED BY THE PLACEMENT OF THE COMPACTED MATERIAL. AFTER ASCERTAINING THAT THE GEOSYNTHETIC HAS NOT BEEN DAMAGED, REPLACE AND COMPACT THE MATERIAL EXCAVATED TO ALLOW OBSERVATION OF THE GEOSYNTHETIC. IF THE GEOSYNTHETIC APPEARS TO BE DAMAGED, EXPOSE A LARGER AREA AND CONTACT THE GEOR FOR INSTRUCTIONS. ANY DAMAGED AREAS SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE DEPARTMENT.
- THE QUANTITIES ASSOCIATED WITH MUCKING AND UNDERCUTTING (I.E. MUCKING, BRIDGE LIFT MATERIAL, GEOGRID, AND GEOTEXTILE FOR SEPARATION OF SUB-GRADE AND SUB-BASE) ARE FOR BID ESTIMATION PURPOSES ONLY. DO NOT PURCHASE OR STOCKPILE THESE BID ITEMS ON SITE WITHOUT WRITTEN APPROVAL FROM THE RCE UNLESS SPECIFIC AREAS AND DETAILS ARE DEFINED IN THE PLANS.

CONSTRUCTION RELATED VIBRATIONS

- LEVEL 1 - SCDOT HAS ELECTED TO NOT MONITOR THE SITE. THEREFORE, NO EARTH-BORNE VIBRATION MONITORING IS REQUIRED.



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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
TOPO.		DATE		
DWG.	JFH	DATE 2.24.22	GROUP	-
R/W		DATE		

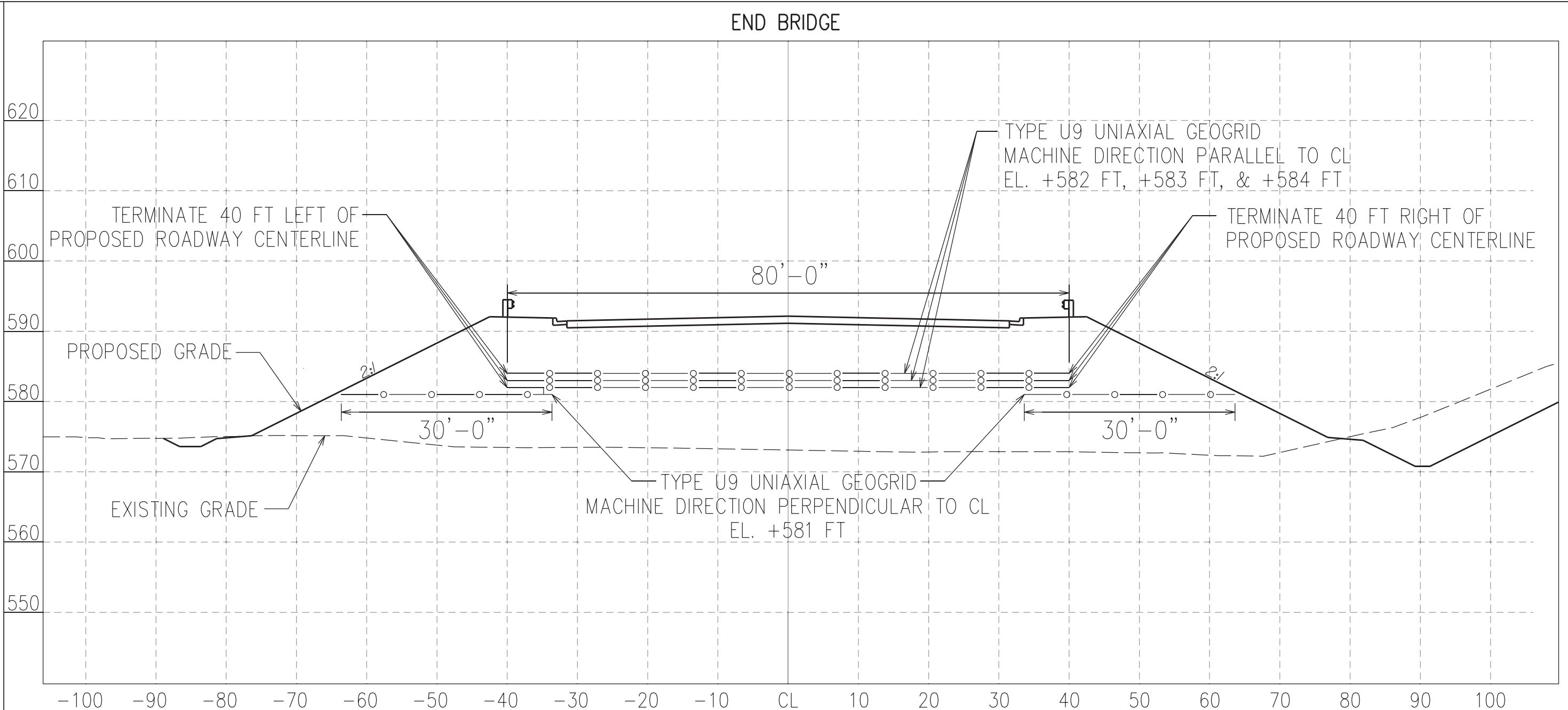
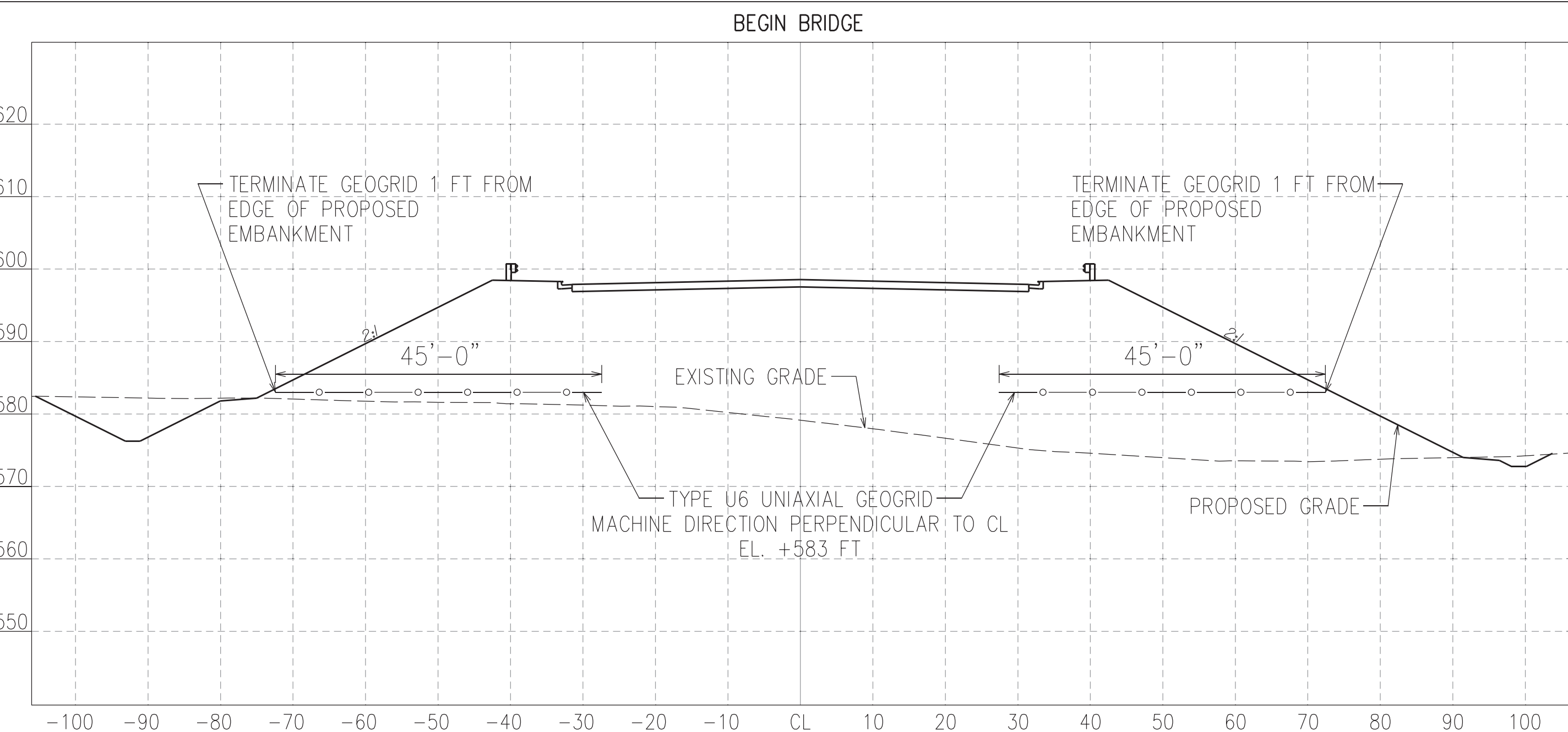
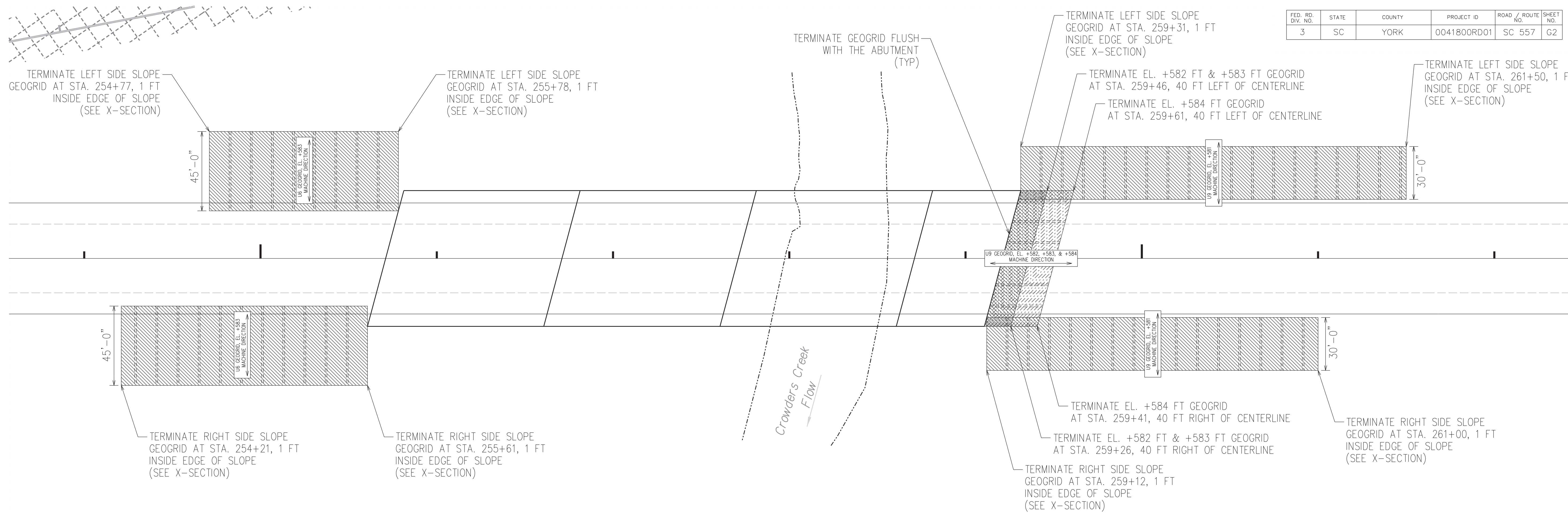
F&ME CONSULTANTS

SC 557 ROADWAY WIDENING & IMPROVEMENTS

GEOTECHNICAL GENERAL NOTES

HRZ SCALE = NTS	
VRT SCALE = NTS	

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	YORK	0041800RD01	SC 557	G2



NOTES

- ADJOINING GEOGRID ROLLS SHALL BE OVERLAPPED A MINIMUM OF 1.0 FT. NO SPLICING IN THE MACHINE DIRECTION IS ALLOWED. NO CUTTING THE GEOGRID IN THE MACHINE DIRECTION IS ALLOWED.
- REFERENCE THE SUPPLEMENTAL TECHNICAL SPECIFICATION FOR GEOGRID SOIL REINFORCEMENT, SC-M-203-2 (01/2020), FOR ADDITIONAL PROCEDURAL AND MATERIAL REQUIREMENTS.
- AT GEOGRID AND DRAINAGE PIPE CONFLICTS, BEND THE GEOGRID AROUND THE PIPE AND CONTINUE THE GEOGRID TO THE SPECIFIED TERMINATION LIMIT AT THE SPECIFIED ELEVATION.



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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.	JFH	DATE 6.25.19	GROUP - -
DWG.			
R/W			



SC 557 BRIDGE OVER CROWDERS CREEK

SOIL REINFORCEMENT DETAILS

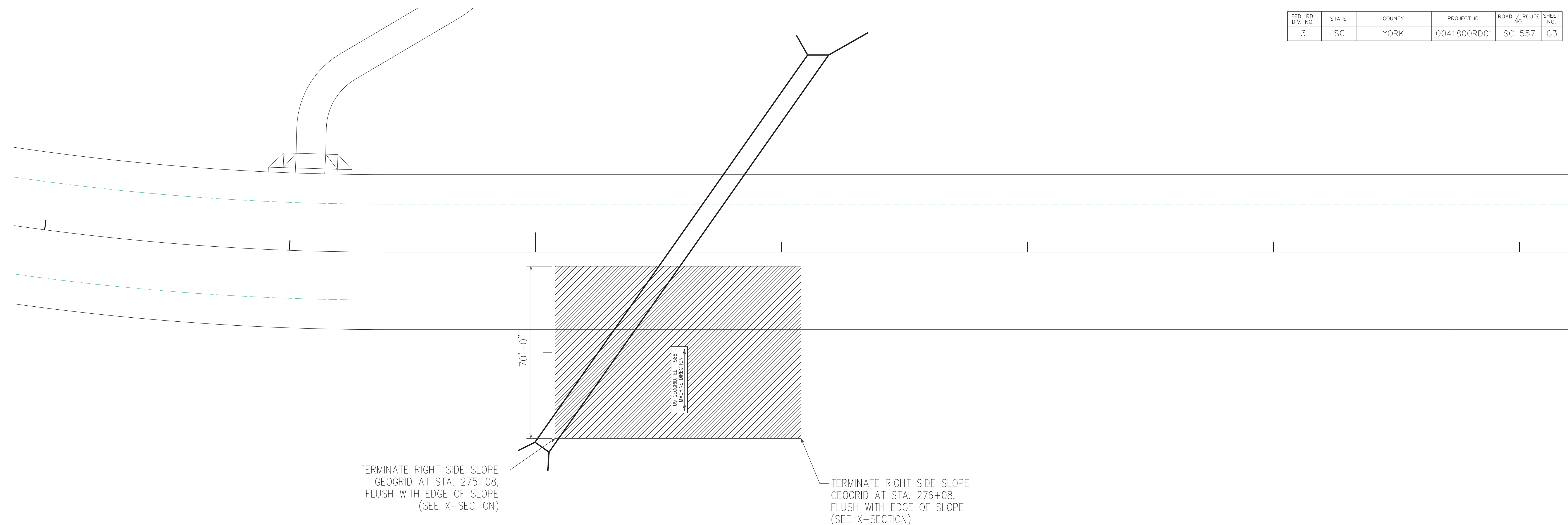
HRZ SCALE = NTS
VRT SCALE = NTS

275+00

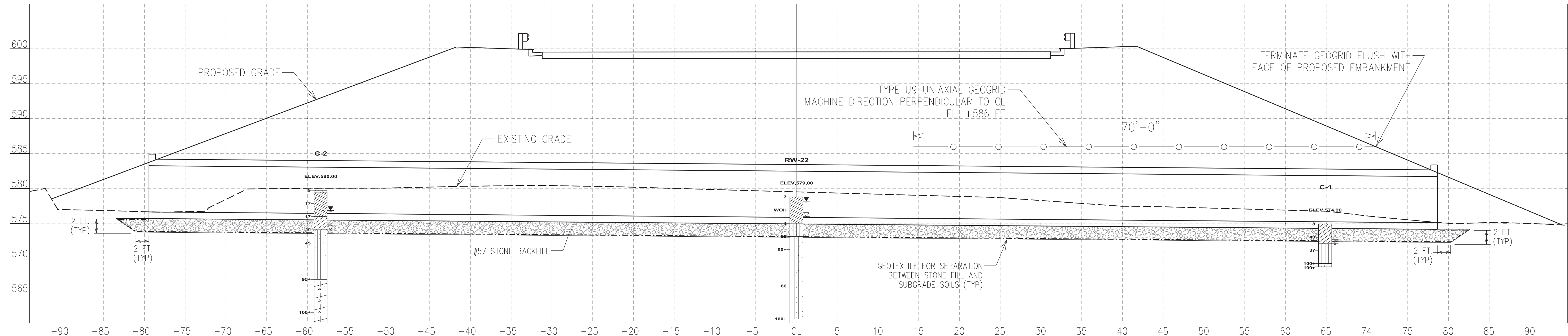
276+00

277+00

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	YORK	0041800RD01	SC 557	G3



STATION 275+58



NOTES

- ADJOINING GEOGRID ROLLS SHALL BE OVERLAPPED A MINIMUM OF 1.0 FT. NO SPLICING IN THE MACHINE DIRECTION IS ALLOWED. NO CUTTING THE GEOGRID IN THE MACHINE DIRECTION IS ALLOWED.
- REFERENCE THE GEOGRID SOIL REINFORCEMENT SUPPLEMENTAL TECHNICAL SPECIFICATION (SC-M-203-2) FOR ADDITIONAL PROCEDURAL AND MATERIAL REQUIREMENTS.
- AT GEOGRID AND DRAINAGE PIPE CONFLICTS, BEND THE GEOGRID AROUND THE PIPE AND CONTINUE THE GEOGRID TO THE SPECIFIED TERMINATION LIMIT AT THE SPECIFIED ELEVATION.

- BELOW AN AREA TWO (2) FEET AROUND THE FOOTPRINT OF THE PROPOSED BOX CULVERT, EXCAVATE A MINIMUM OF TWO (2) FEET OF SOIL AND BACKFILL THE EXCAVATED AREA WITH #57 STONE TO THE BOTTOM OF CULVERT ELEVATION. IF FOLLOWING THE TWO (2) FOOT EXCAVATION, POOR SOILS STILL EXIST, CONTINUE EXCAVATION UNTIL COMPETENT SOILS ARE ENCOUNTERED. USE A PROBE ROD AND FIELD JUDGEMENT TO DETERMINE WHEN SOILS ARE CONSIDERED "COMPETENT". PRIOR TO STONE PLACEMENT, PLACE A SEPARATION GEOTEXTILE LAYER IN THE EXCAVATED AREA. OVERLAP ADJACENT GEOTEXTILE LAYERS A MINIMUM OF ONE (1) FT.
- IF GROUNDWATER IS ENCOUNTERED DURING THE EXCAVATIONS, LOCALIZED METHODS OF DEWATERING ARE ALLOWED, AS NEEDED, TO FACILITATE THE EXCAVATION AND BACKFILL PLACEMENT. STONE BACKFILL MAY BE PLACED IN OPEN WATER CONDITIONS IN ACCORDANCE WITH THE SCDOT STANDARD SPECIFICATIONS.



4			
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2	JFH	3.15.21	UPDATE NOTES
1	JFH	7.13.20	ADD EXCAVATION NOTES
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.	JFH	DATE	6.25.19
R/W		DATE	

F&M CONSULTANTS


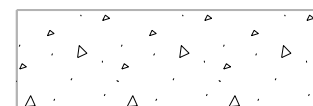

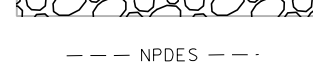
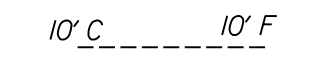
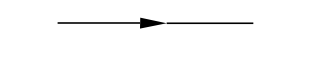


**SC 557 ROADWAY WIDENING & IMPROVEMENTS
BOX CULVERT AT 275+58**

GEOTECHNICAL DETAILS

HRZ SCALE = NTS	
VRT SCALE = NTS	

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	EC3	

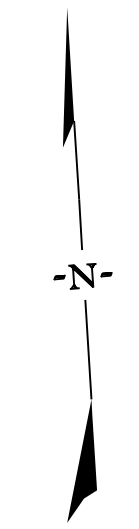
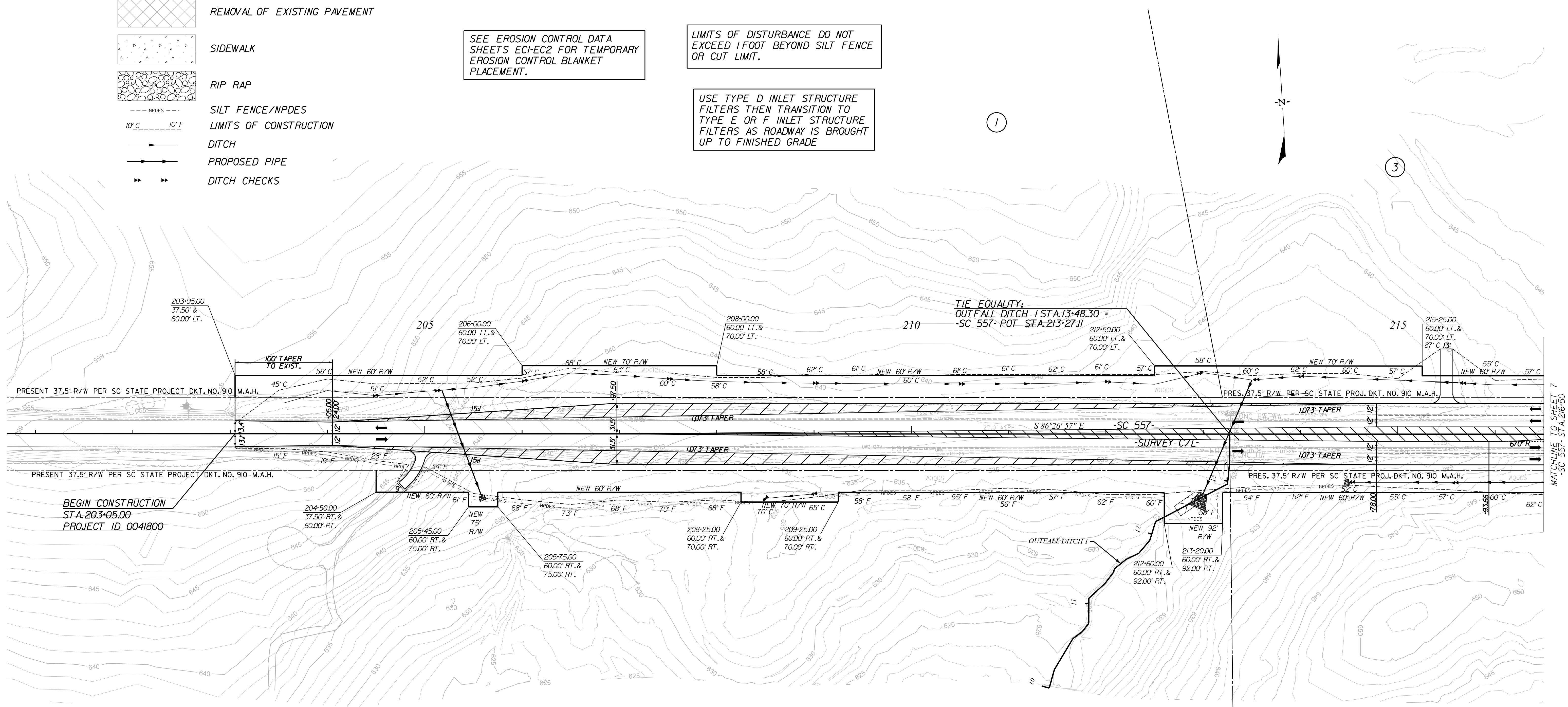
LEGEND

-  REMOVAL OF EXISTING PAVEMENT
-  SIDEWALK
-  RIP RAP
-  SILT FENCE/NPDES
-  LIMITS OF CONSTRUCTION
-  DITCH
-  PROPOSED PIPE
-  DITCH CHECKS

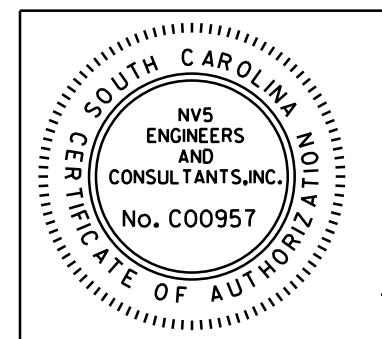
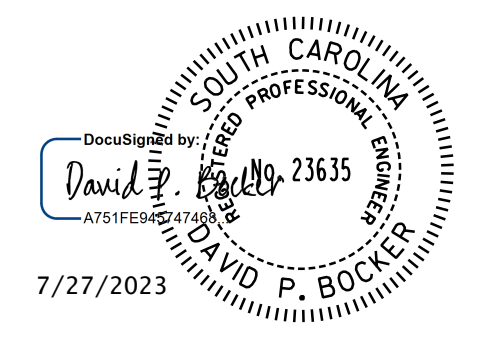
SEE EROSION CONTROL DATA SHEETS ECI-EC2 FOR TEMPORARY EROSION CONTROL BLANKET PLACEMENT.

LIMITS OF DISTURBANCE DO NOT EXCEED 1 FOOT BEYOND SILT FENCE OR CUT LIMIT.

USE TYPE D INLET STRUCTURE FILTERS THEN TRANSITION TO TYPE E OR F INLET STRUCTURE FILTERS AS ROADWAY IS BROUGHT UP TO FINISHED GRADE



7/27/2023
 default
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 NVS ENGINEERS & CONSULTANTS, INC.
 7500 E. INDEPENDENCE BLVD, STE 100
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 P: 704.537.7300 www.NVS.com
 NC License # P-1333

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3				
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1				
REV. NO.	BY	DATE	DATE	DESCRIPTION OF REVISION
TOPO.		DATE		
DWG.		DATE		
R/W		DATE		

YORK COUNTY
PENNIES FOR PROGRESS





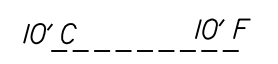
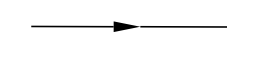
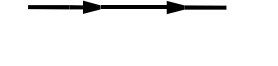

**SC 557
EROSION CONTROL PLAN
STA. 203+05 TO STA. 216+50**

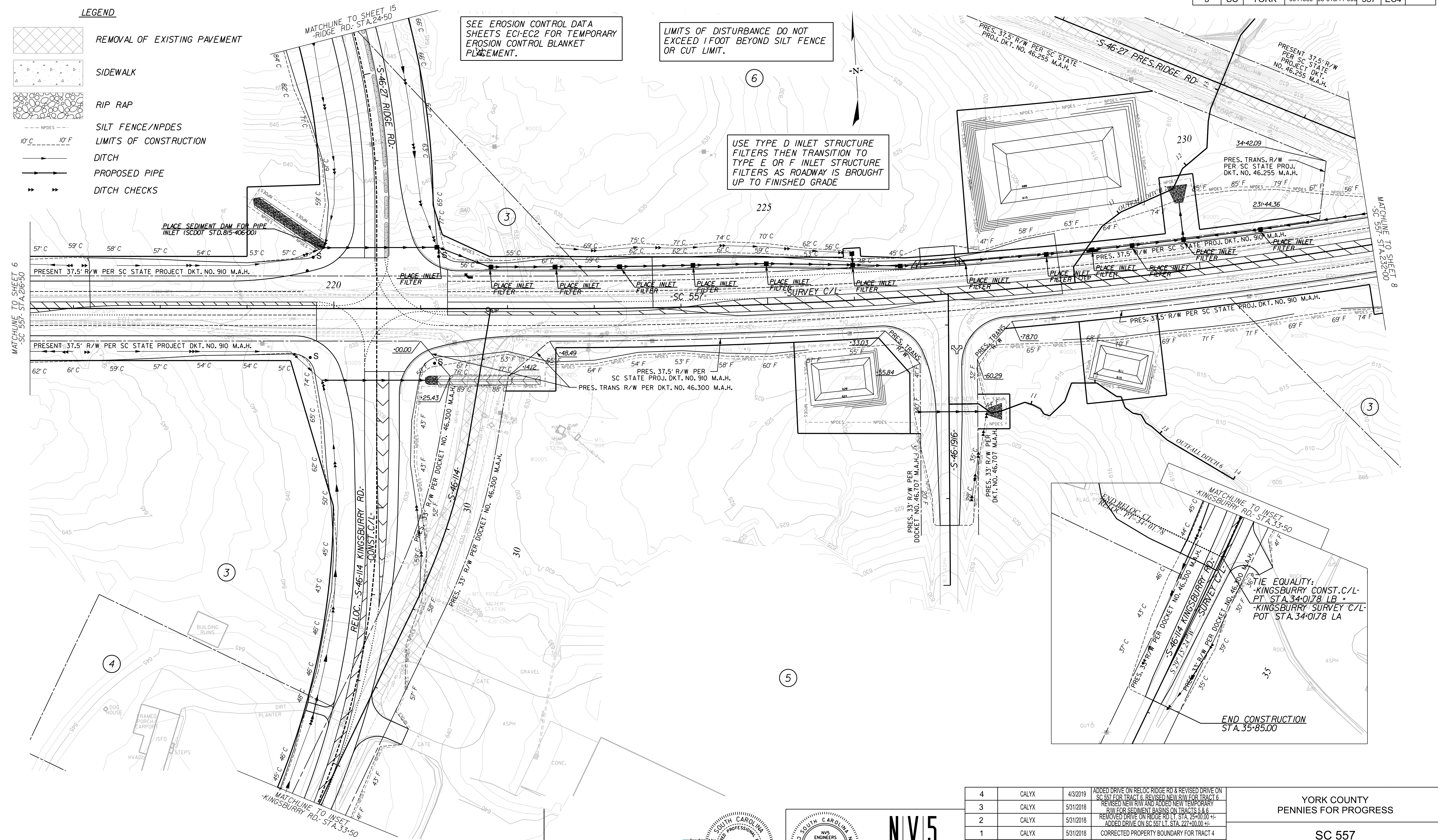
SCALE 1"=50' RTE. SC 557 DWG. NO.

MATCHLINE TO SHEET 7
-SC 557- STA. 216+50

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-0131/11-009	557	EC4	

LEGEND

-  REMOVAL OF EXISTING PAVEMENT
-  SIDEWALK
-  RIP RAP
-  SILT FENCE/NPDES
-  LIMITS OF CONSTRUCTION
-  DITCH
-  PROPOSED PIPE
-  DITCH CHECKS



SEE EROSION CONTROL DATA SHEETS EC1-EC2 FOR TEMPORARY EROSION CONTROL BLANKET PLACEMENT.

LIMITS OF DISTURBANCE DO NOT EXCEED 1 FOOT BEYOND SILT FENCE OR CUT LIMIT.

USE TYPE D INLET STRUCTURE FILTERS THEN TRANSITION TO TYPE E OR F INLET STRUCTURE FILTERS AS ROADWAY IS BROUGHT UP TO FINISHED GRADE

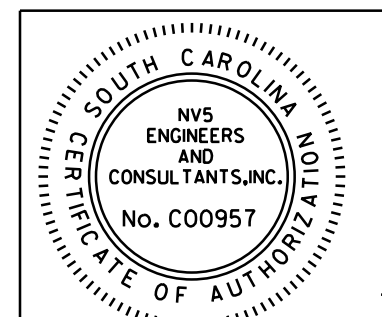
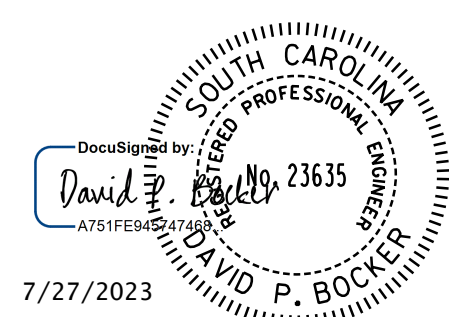
PLACE SEDIMENT DAM FOR PIPE INLET (SCDOT STD. 815-406-00)

TIE EQUALITY:
-KINGSBURY CONST. C/L-
PT. STA. 34+01.78 LB.
-KINGSBURY SURVEY C/L-
POT. STA. 34+01.78 LA

END CONSTRUCTION
STA. 35+85.00

7/27/2023
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 REMOVAL OF EXISTING PAVEMENT



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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4	CALYX	4/3/2019	ADDED DRIVE ON RELOC RIDGE RD & REVISED DRIVE ON SC 557 FOR TRACT 6, REVISED NEW ROW FOR TRACT 6
3	CALYX	5/31/2018	REVISED NEW ROW AND ADDED NEW TEMPORARY ROW FOR SEDIMENT BASINS ON TRACTS 5 & 6
2	CALYX	5/31/2018	REMOVED DRIVE ON RIDGE RD LT. STA. 25+00.00 +/- ADDED DRIVE ON SC 557 LT. STA. 227+00.00 +/-
1	CALYX	5/31/2018	CORRECTED PROPERTY BOUNDARY FOR TRACT 4

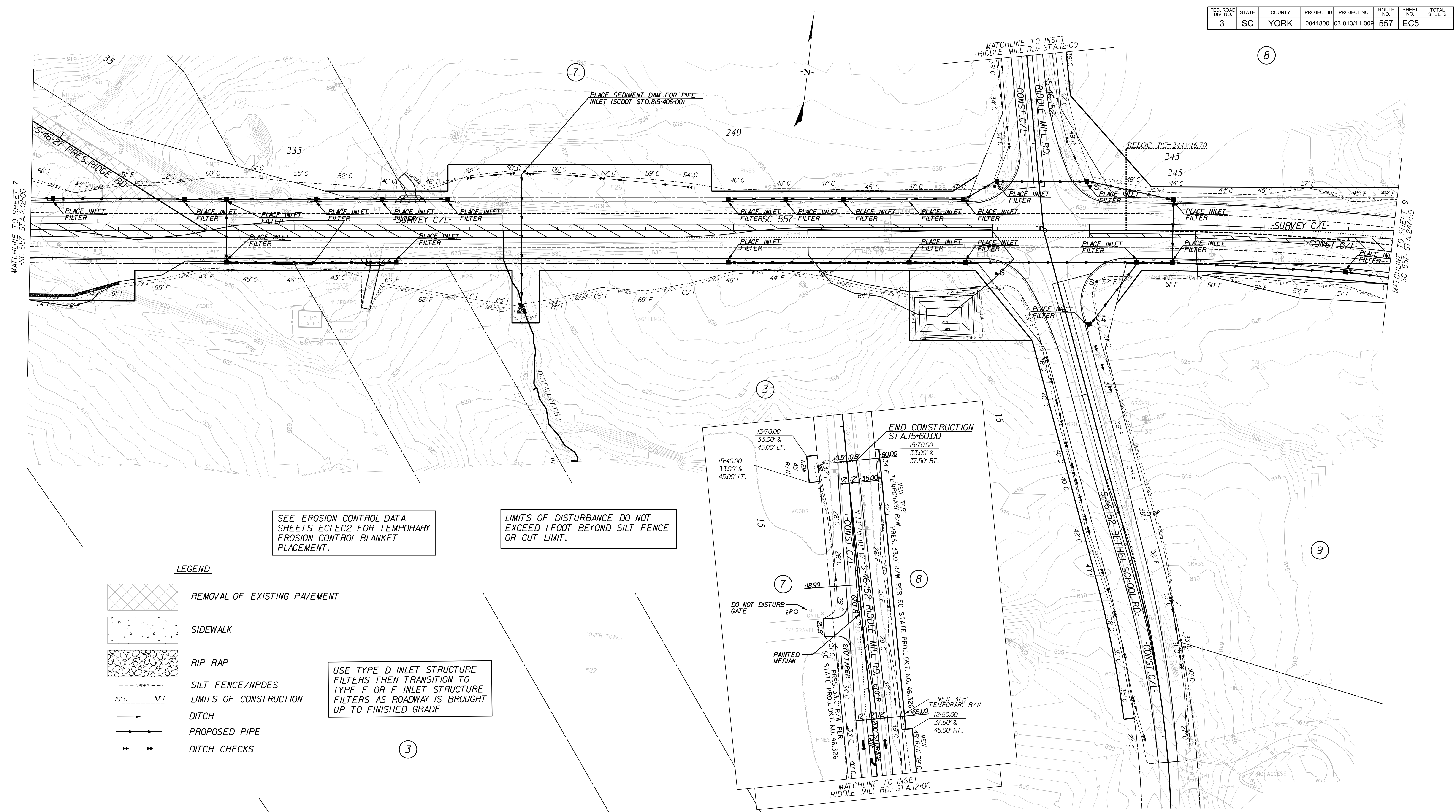
YORK COUNTY
PENNIES FOR PROGRESS

**SC 557
EROSION CONTROL PLAN
STA. 216+50 TO STA. 232+00**

SCALE 1"=50' RTE. SC 557 DWG. NO.

TOPO.	DATE	SQUAD
DWG.	DATE	
R/W	DATE	

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-008	557	EC5	


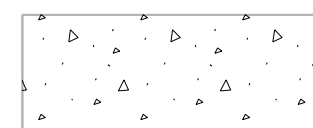
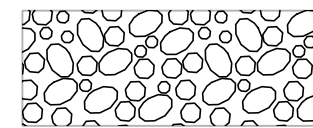
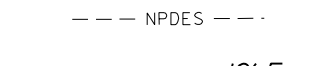
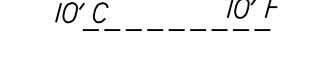
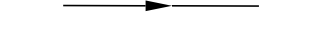
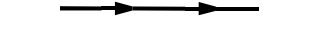



SEE EROSION CONTROL DATA SHEETS ECI-EC2 FOR TEMPORARY EROSION CONTROL BLANKET PLACEMENT.

LIMITS OF DISTURBANCE DO NOT EXCEED 1 FOOT BEYOND SILT FENCE OR CUT LIMIT.

USE TYPE D INLET STRUCTURE FILTERS THEN TRANSITION TO TYPE E OR F INLET STRUCTURE FILTERS AS ROADWAY IS BROUGHT UP TO FINISHED GRADE

LEGEND

-  REMOVAL OF EXISTING PAVEMENT
-  SIDEWALK
-  RIP RAP
-  SILT FENCE/NPDES
-  LIMITS OF CONSTRUCTION
-  DITCH
-  PROPOSED PIPE
-  DITCH CHECKS

 REMOVAL OF EXISTING PAVEMENT

4			
3	CALYX	10/9/2018	CHANGED NEW R/W TO TEMPORARY R/W ON TRACT 8 RT OF RIDDLE MILL RD STA 12+50 TO 15+70
2	CALYX	8/17/2018	REVISED NEW R/W ON TRACT 8 RIGHT OF RIDDLE MILL RD & LEFT OF SC 557
1	CALYX	5/31/2018	REVISED NEW R/W AND ADDED NEW TEMPORARY R/W FOR SEDIMENT BASIN ON TRACT 3
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	
R/W		DATE	

YORK COUNTY
PENNIES FOR PROGRESS

**SC 557
EROSION CONTROL PLAN
STA. 232+00 TO STA. 247+50**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

7/27/2023
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7/27/2023


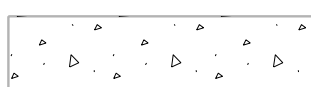

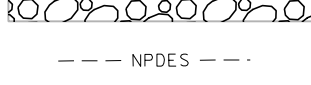
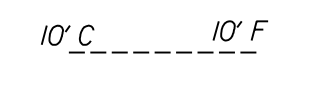
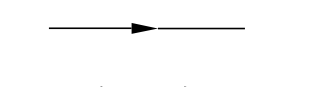
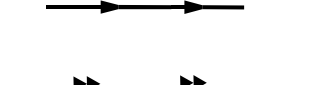

David P. Bocher
Professional Engineer
No. 23635
AT&T FIRM

NV5

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CHARLOTTE, NC 28227
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NC License # P-1333

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	EC6	

LEGEND

-  REMOVAL OF EXISTING PAVEMENT
-  SIDEWALK
-  RIP RAP
-  SILT FENCE/NPDES
-  LIMITS OF CONSTRUCTION
-  DITCH
-  PROPOSED PIPE
-  DITCH CHECKS

SEE EROSION CONTROL DATA SHEETS ECI-EC2 FOR TEMPORARY EROSION CONTROL BLANKET PLACEMENT.

LIMITS OF DISTURBANCE DO NOT EXCEED 1 FOOT BEYOND SILT FENCE OR CUT LIMIT.

USE TYPE D INLET STRUCTURE FILTERS THEN TRANSITION TO TYPE E OR F INLET STRUCTURE FILTERS AS ROADWAY IS BROUGHT UP TO FINISHED GRADE

ERECT 550 LF MGS2C GUARDRAIL CONSTRUCT MT3 LEADING END TREATMENT TL3 CONSTRUCT MTBBC3 (MASH) THRIE BEAM BARRIER CONN.TL3

EXISTING ROADWAY EMBANKMENT EXCAVATION ESTIMATED 6,500 CY

ERECT 75' R/W PER SC STATE PROJ. DKT. NO. 910 M.A.H.

REMOVE EXISTING GUARDRAIL

PRESENT 37.5' R/W PER SC STATE PROJECT DKT. NO. 910 M.A.H.

REMOVE EXISTING GUARDRAIL

PRESENT 37.5' R/W PER SC STATE PROJECT DKT. NO. 910 M.A.H.

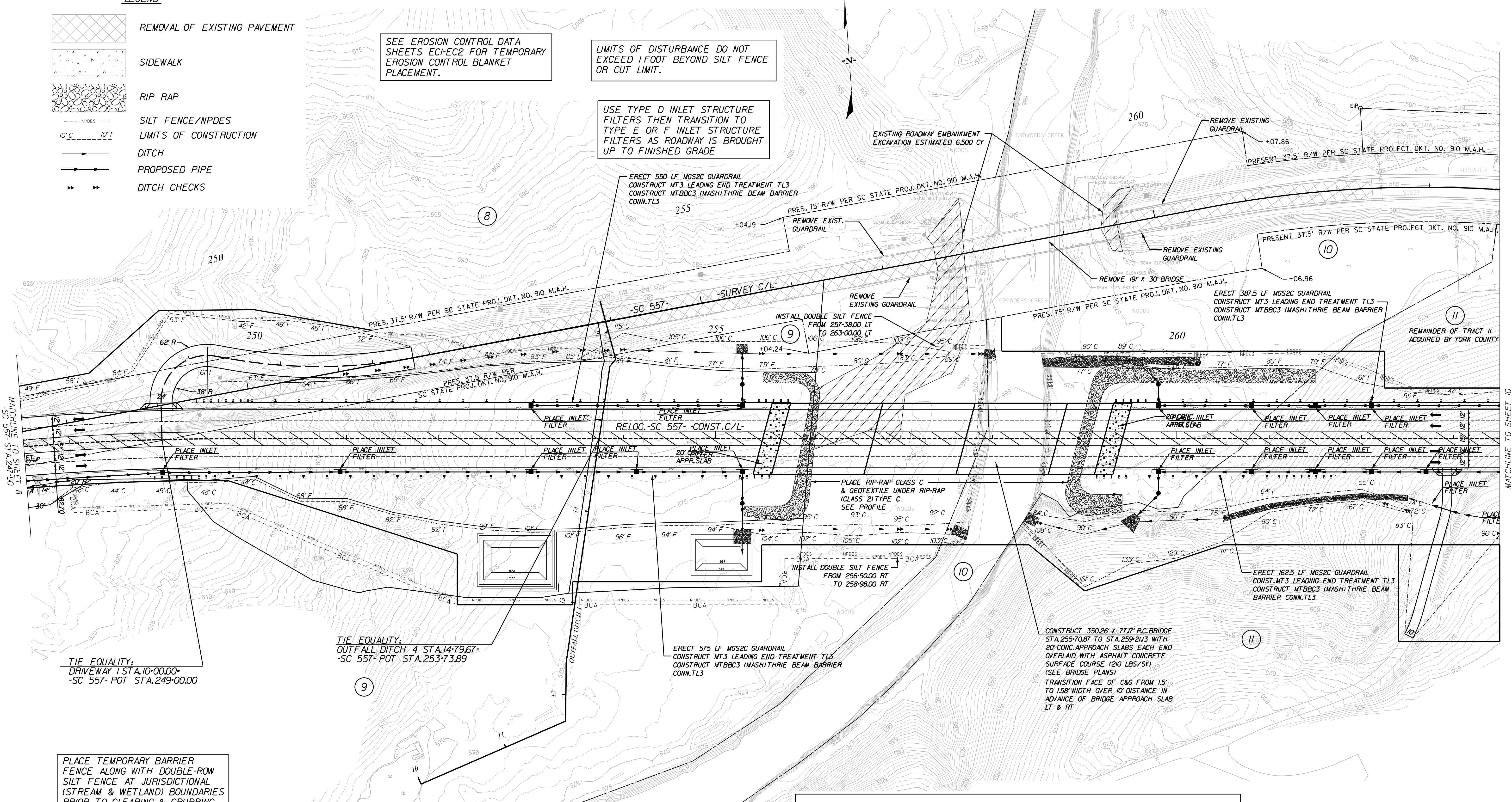
REMOVE EXISTING GUARDRAIL

PRESENT 37.5' R/W PER SC STATE PROJECT DKT. NO. 910 M.A.H.

REMOVE 19' X 30' BRIDGE

ERECT 387.5 LF MGS2C GUARDRAIL CONSTRUCT MT3 LEADING END TREATMENT TL3 CONSTRUCT MTBBC3 (MASH) THRIE BEAM BARRIER CONN.TL3

REMAINDER OF TRACT II ACQUIRED BY YORK COUNTY



TIE EQUALITY: DRIVEWAY / STA. 10+00.00 - SC 557 - POT STA. 249+00.00

TIE EQUALITY: OUTFALL DITCH 4 STA. 14+79.67 - SC 557 - POT STA. 253+73.89

ERECT 575 LF MGS2C GUARDRAIL CONSTRUCT MT3 LEADING END TREATMENT TL3 CONSTRUCT MTBBC3 (MASH) THRIE BEAM BARRIER CONN.TL3

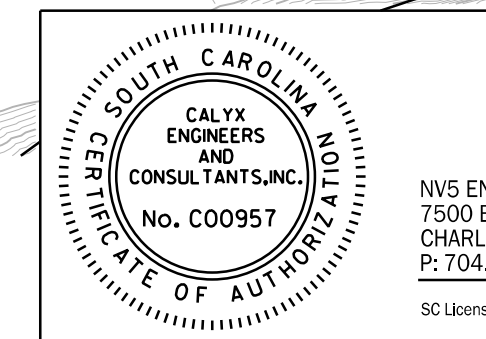
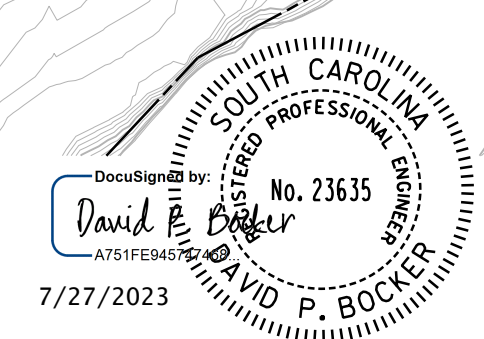
CONSTRUCT 350.26' X 77.71' R.C. BRIDGE STA. 255+70.87 TO STA. 259+21.13 WITH 20' CONC. APPROACH SLABS EACH END OVERLAD WITH ASPHALT CONCRETE SURFACE COURSE (120 LBS/SY) (SEE BRIDGE PLANS) TRANSITION FACE OF C&G FROM 15' TO 158' WIDTH OVER 10' DISTANCE IN ADVANCE OF BRIDGE APPROACH SLAB LT & RT

NOTE: RELOCATE CENTERLINE BETWEEN STA. 244+46.70 AND STA. 320+61.70

PLACE TEMPORARY BARRIER FENCE ALONG WITH DOUBLE-ROW SILT FENCE AT JURISDICTIONAL (STREAM & WETLAND) BOUNDARIES PRIOR TO CLEARING & GRUBBING ACTIVITIES.

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 REMOVAL OF EXISTING PAVEMENT



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7500 E. INDEPENDENCE BLVD, SUITE 100
CHARLOTTE, NC 28227
P: 704.537.7300 www.nvs.com
SC License # 957

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4	CALYX	10/09/2018	REVISED NEW ROW TRACT 11 STA. 260+50 TO 263+50 LT/RT. REVISED DRIVEWAY STA. 262+49 RT. CONSTR. LIMITS & NPDES.
3	CALYX	8/17/2018	REVISED NEW ROW TRACT 8 STA. 247+50 TO 251+27.78 LT. ADDED ACCESS DRIVEWAY STA. 249+00 LT.
2	CALYX	8/17/2018	REVISED NEW ROW TRACT 11 STA. 259+00 TO 263+50 RT & 262+25 TO 263+50 LT. REVISED DRIVEWAY TRACT 11
1	CALYX	5/31/2018	REMOVED BCA & NPDES TRACT 10
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.	DATE		
DWG.	DATE		
R/W	DATE		

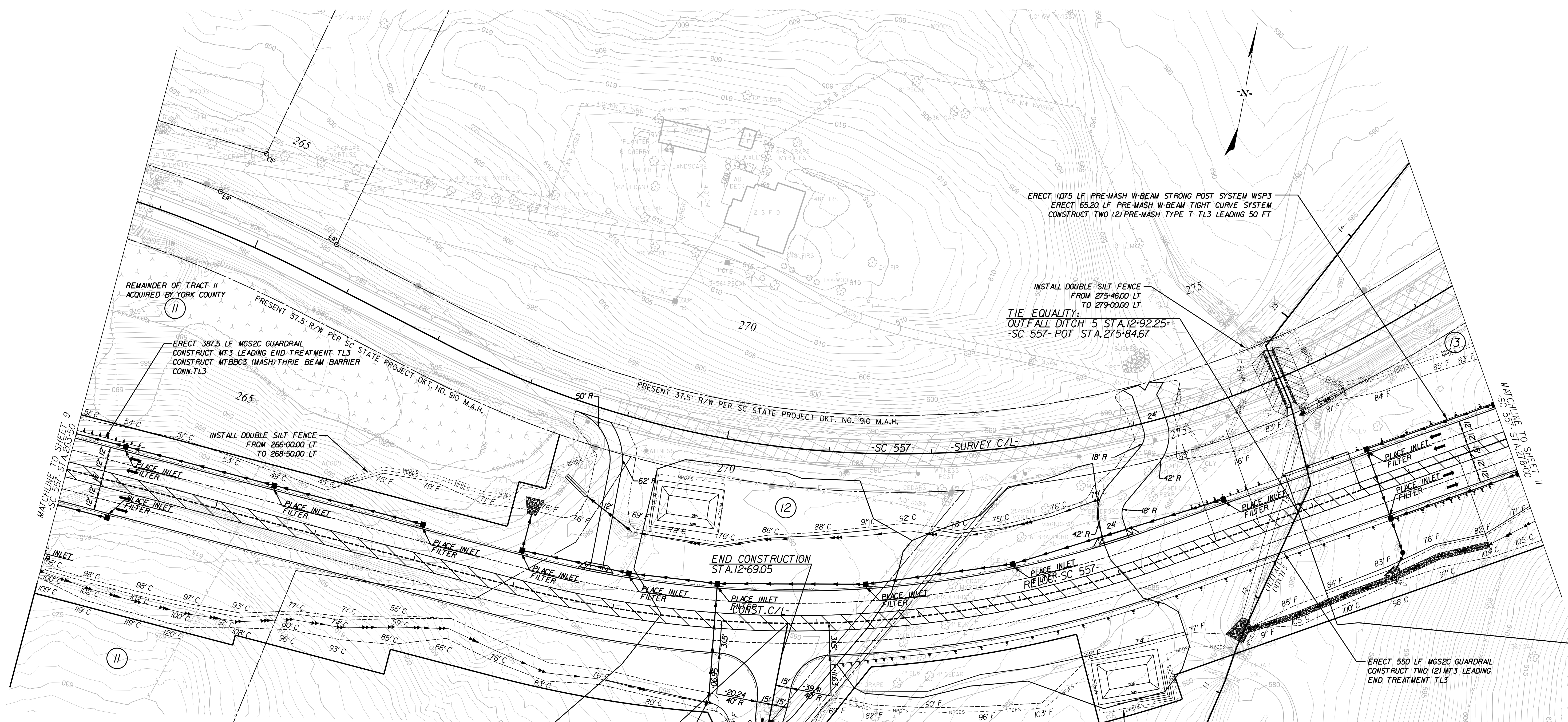
4	CALYX	10/09/2018	REVISED NEW ROW TRACT 11 STA. 260+50 TO 263+50 LT/RT. REVISED DRIVEWAY STA. 262+49 RT. CONSTR. LIMITS & NPDES.
3	CALYX	8/17/2018	REVISED NEW ROW TRACT 8 STA. 247+50 TO 251+27.78 LT. ADDED ACCESS DRIVEWAY STA. 249+00 LT.
2	CALYX	8/17/2018	REVISED NEW ROW TRACT 11 STA. 259+00 TO 263+50 RT & 262+25 TO 263+50 LT. REVISED DRIVEWAY TRACT 11
1	CALYX	5/31/2018	REMOVED BCA & NPDES TRACT 10
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.	DATE		
DWG.	DATE		
R/W	DATE		

YORK COUNTY
PENNIES FOR PROGRESS

**SC 557
EROSION CONTROL PLAN
STA. 247+50 TO STA. 263+50**

SCALE 1"=50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	EC7	



LEGEND

- REMOVAL OF EXISTING PAVEMENT
- SIDEWALK
- RIP RAP
- SILT FENCE/NPDES
- LIMITS OF CONSTRUCTION
- DITCH
- PROPOSED PIPE
- DITCH CHECKS
- REMOVAL OF EXISTING PAVEMENT

SEE EROSION CONTROL DATA SHEETS EC1-EC2 FOR TEMPORARY EROSION CONTROL BLANKET PLACEMENT.

LIMITS OF DISTURBANCE DO NOT EXCEED 1 FOOT BEYOND SILT FENCE OR CUT LIMIT.

USE TYPE D INLET STRUCTURE FILTERS THEN TRANSITION TO TYPE E OR F INLET STRUCTURE FILTERS AS ROADWAY IS BROUGHT UP TO FINISHED GRADE

PLACE TEMPORARY BARRIER FENCE ALONG WITH DOUBLE-ROW SILT FENCE AT JURISDICTIONAL (STREAM & WETLAND) BOUNDARIES PRIOR TO CLEARING & GRUBBING ACTIVITIES.

TIE EQUALITY:
-SC 557- POC STA. 270+71.52 -
-DAVIS MILL RD.- POT STA. 13+01.08

NOTE: RELOCATE CENTERLINE BETWEEN STA. 244+46.70 AND STA. 320+61.70

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
5	CALYX	4/3/2019	REMOVED TEMP ROW TRACT 11 STA 262+25 TO 267+80 LT
4	CALYX	12/20/2018	REVISED NEW TEMPORARY ROW CALLOUT TRACT 11 STA. 263+50 RT AT MATCHLINE TO SHEET 9
3	CALYX	10/09/2018	REVISED NEW ROW & ADDED TEMPORARY ROW TRACT 11 STA. 263+50 TO 267+80 LT
2	CALYX	8/17/2018	REVISED NEW ROW TRACT 11 STA. 263+50 TO 265+50 RT & 263+50 TO 268+06 72 LT
1	CALYX	5/31/2018	ADDED PRESENT ROW FOR DAVIS MILL RD AND REVISED NEW ROW FOR TRACTS 12 & 13

TOPO.	DATE	SQUAD
DWG.	DATE	
R/W	DATE	

YORK COUNTY
PENNIES FOR PROGRESS

**SC 557
EROSION CONTROL PLAN
STA. 263+50 TO STA. 278+00**


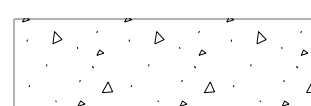
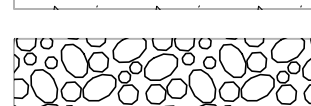
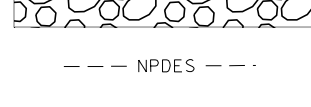
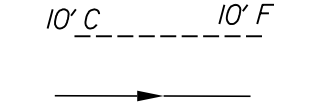
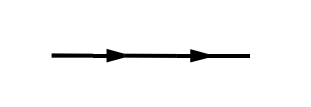
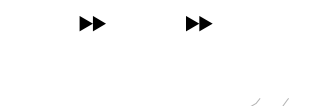

SCALE 1"=50' RTE. SC 557 DWG. NO.

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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	EC8	

LEGEND

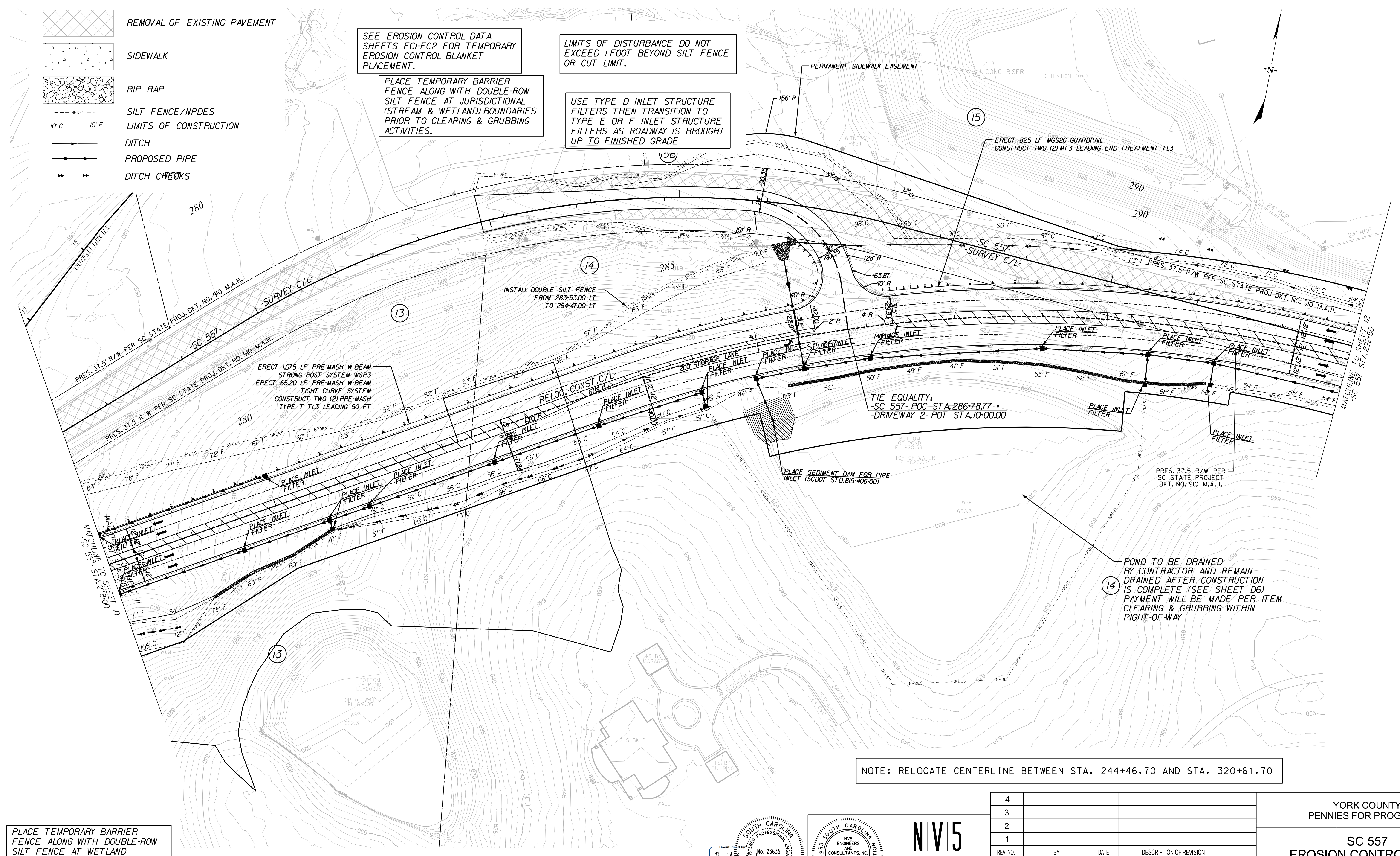
-  REMOVAL OF EXISTING PAVEMENT
-  SIDEWALK
-  RIP RAP
-  SILT FENCE/NPDES
-  LIMITS OF CONSTRUCTION
-  DITCH
-  PROPOSED PIPE
-  DITCH C/C'S

SEE EROSION CONTROL DATA SHEETS ECI-EC2 FOR TEMPORARY EROSION CONTROL BLANKET PLACEMENT.

LIMITS OF DISTURBANCE DO NOT EXCEED 1 FOOT BEYOND SILT FENCE OR CUT LIMIT.

PLACE TEMPORARY BARRIER FENCE ALONG WITH DOUBLE-ROW SILT FENCE AT JURISDICTIONAL (STREAM & WETLAND) BOUNDARIES PRIOR TO CLEARING & GRUBBING ACTIVITIES.

USE TYPE D INLET STRUCTURE FILTERS THEN TRANSITION TO TYPE E OR F INLET STRUCTURE FILTERS AS ROADWAY IS BROUGHT UP TO FINISHED GRADE



PLACE TEMPORARY BARRIER FENCE ALONG WITH DOUBLE-ROW SILT FENCE AT WETLAND BOUNDARY PRIOR TO CLEARING & GRUBBING ACTIVITIES.

 REMOVAL OF EXISTING PAVEMENT

NOTE: RELOCATE CENTERLINE BETWEEN STA. 244+46.70 AND STA. 320+61.70

14 POND TO BE DRAINED BY CONTRACTOR AND REMAIN DRAINED AFTER CONSTRUCTION IS COMPLETE (SEE SHEET D6) PAYMENT WILL BE MADE PER ITEM CLEARING & GRUBBING WITHIN RIGHT-OF-WAY

7/27/2023 default H:\Project\2009\320.20 SC 557 All CLIENT\Sheets\Erosion Control Sheets\SC557_ec11psh.dgn

7/27/2023

DESIGNED BY: David P. Bocker No. 23635

CONSULTANT: NIV5 ENGINEERS AND CONSULTANTS, INC. No. C00957

DATE: 7/27/2023

PROJECT: SC 557

NIV5

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NC License # P-1333

4				
3				
2				
1				
REV. NO.	BY	DATE	DATE	DESCRIPTION OF REVISION
TOPO.		DATE		
DWG.		DATE		
R/W		DATE		


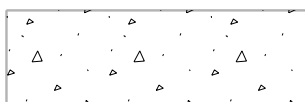


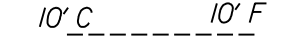



YORK COUNTY
PENNIES FOR PROGRESS

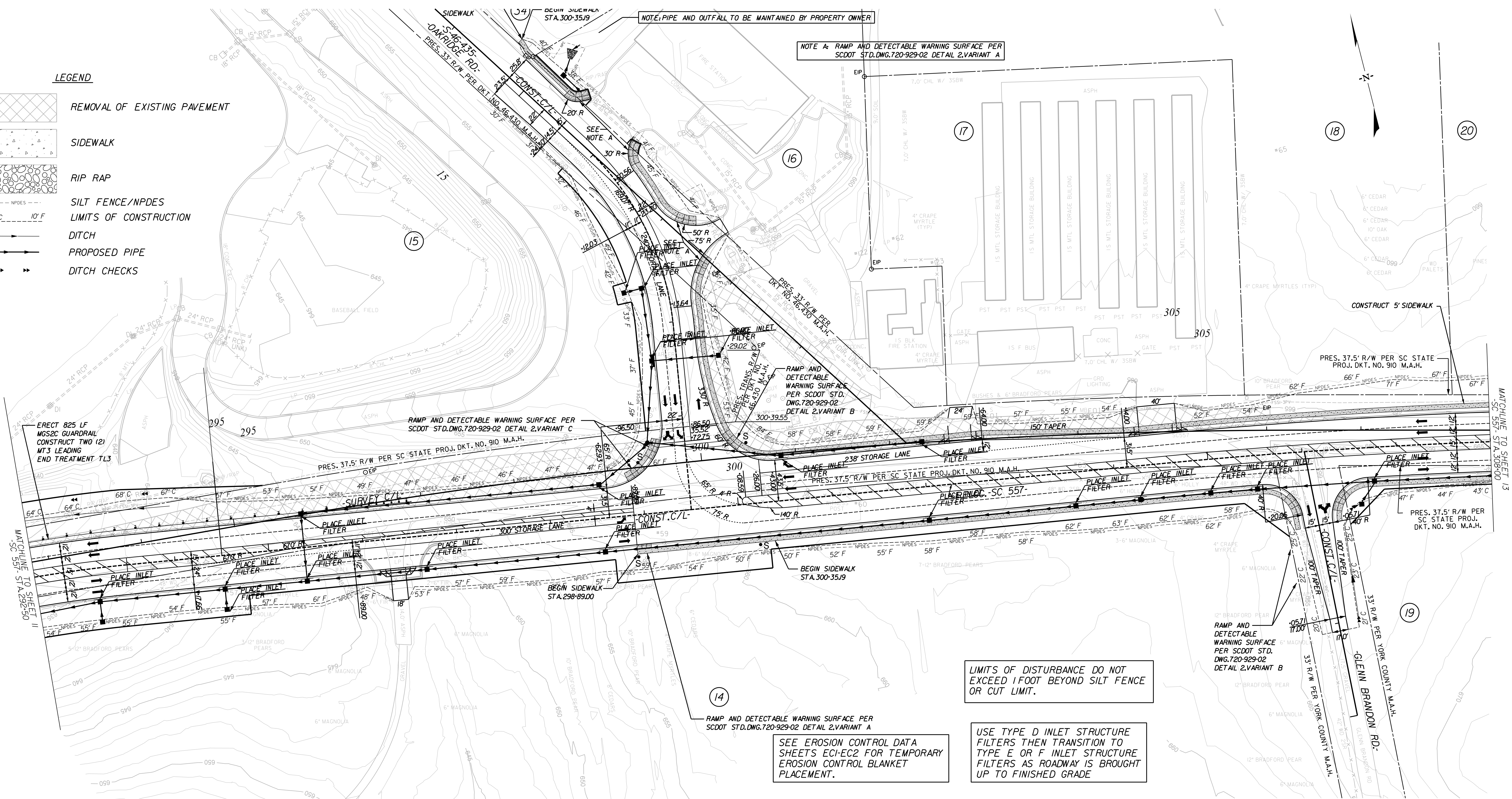
SC 557
EROSION CONTROL PLAN
STA. 278+00 TO STA. 292+50

SCALE 1"= 50' RTE. SC 557 DWG. NO.

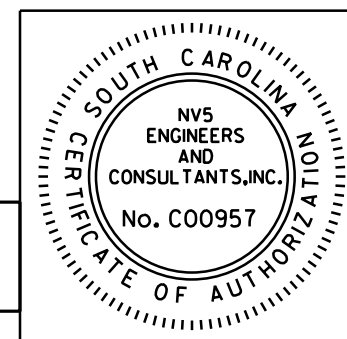
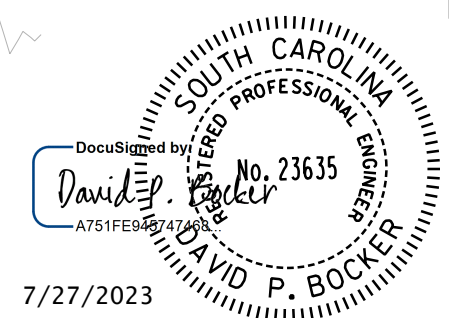
FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	EC9	

LEGEND

-  REMOVAL OF EXISTING PAVEMENT
-  SIDEWALK
-  RIP RAP
-  SILT FENCE/NPDES
-  LIMITS OF CONSTRUCTION
-  DITCH
-  PROPOSED PIPE
-  DITCH CHECKS



7/27/2023
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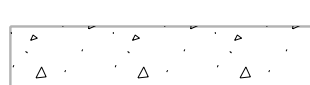
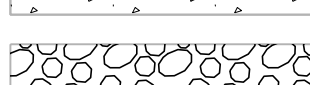
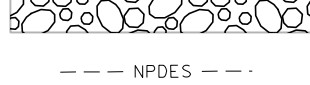

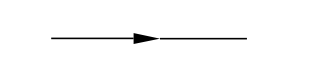
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 CHARLOTTE, NC 28227
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 NC License # P-1333

4			
3			
2	CALYX	8/13/2018	REVISED PROP. DRAINAGE & NPDES FOR TRACT 16
1	CALYX	5/31/2018	REVISED CONSTRUCTION LIMITS LT. STA. 305+00 TO 305+50 ADDED DRIVEWAY LT. STA. 302+41 FOR TRACT 17
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	
R/W		DATE	

YORK COUNTY
 PENNYS FOR PROGRESS
SC 557
EROSION CONTROL PLAN
 STA. 292+50 TO STA. 308+00
 SCALE 1"= 50' RTE. SC 557 DWG. NO.

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-008	557	EC10	

LEGEND

-  REMOVAL OF EXISTING PAVEMENT
-  SIDEWALK
-  RIP RAP
-  SILT FENCE/NPDES
-  LIMITS OF CONSTRUCTION
-  DITCH

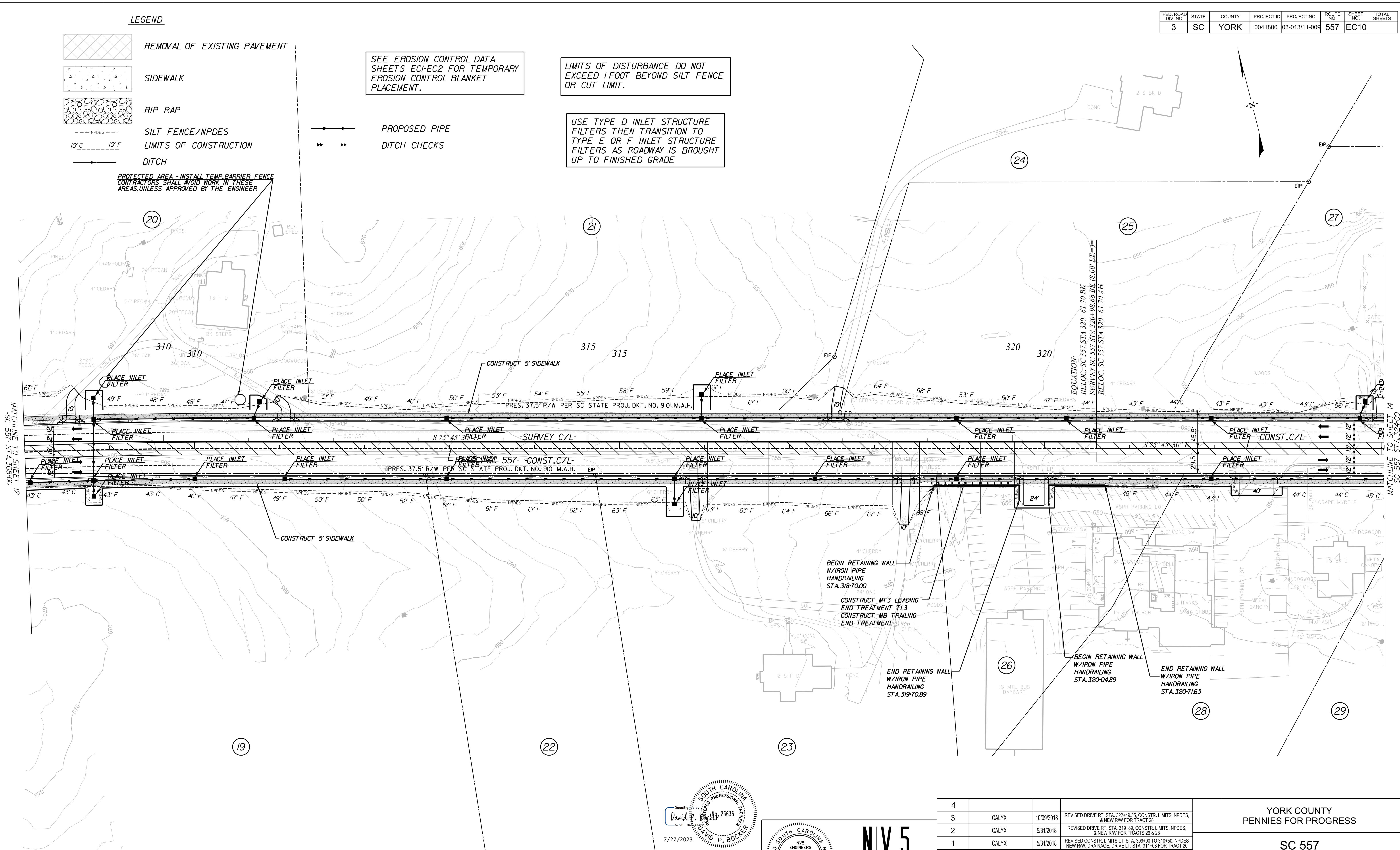
SEE EROSION CONTROL DATA SHEETS ECI-EC2 FOR TEMPORARY EROSION CONTROL BLANKET PLACEMENT.

LIMITS OF DISTURBANCE DO NOT EXCEED 1 FOOT BEYOND SILT FENCE OR CUT LIMIT.

USE TYPE D INLET STRUCTURE FILTERS THEN TRANSITION TO TYPE E OR F INLET STRUCTURE FILTERS AS ROADWAY IS BROUGHT UP TO FINISHED GRADE

PROPOSED PIPE
DITCH CHECKS

PROTECTED AREA - INSTALL TEMP. BARRIER FENCE
CONTRACTORS SHALL AVOID WORK IN THESE AREAS, UNLESS APPROVED BY THE ENGINEER



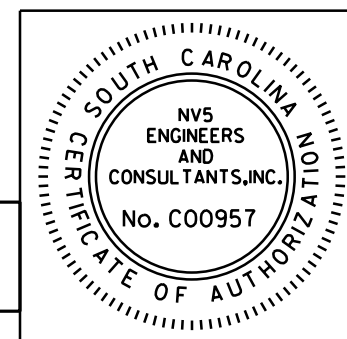
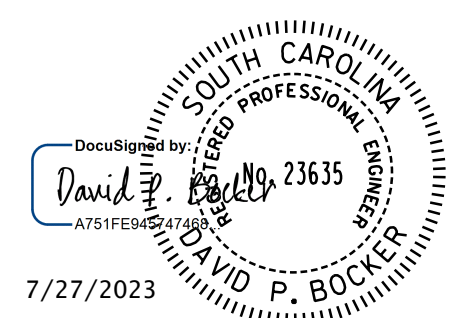
MATCHLINE TO SHEET 12
SC 557- STA. 308+00

MATCHLINE TO SHEET 14
SC 557- STA. 324+00

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NOTE: RELOCATE CENTERLINE BETWEEN STA. 244+46.70 AND STA. 320+61.70

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEETS



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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3	CALYX	10/09/2018	REVISED DRIVE RT. STA. 322+49.35 CONSTR. LIMITS, NPDES, & NEW RW FOR TRACT 28
2	CALYX	5/31/2018	REVISED DRIVE RT. STA. 319+89, CONSTR. LIMITS, NPDES, & NEW RW FOR TRACTS 26 & 28
1	CALYX	5/31/2018	REVISED CONSTR. LIMITS LT. STA. 308+00 TO 310+50, NPDES NEW RW, DRAINAGE DRIVE LT. STA. 311+08 FOR TRACT 28


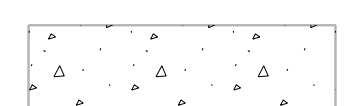
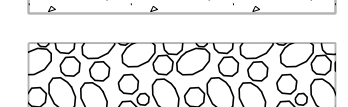
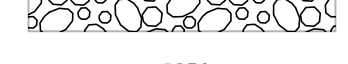

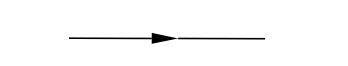
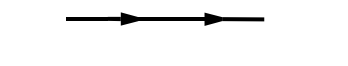

YORK COUNTY
PENNIES FOR PROGRESS

**SC 557
EROSION CONTROL PLAN
STA. 308+00 TO STA. 324+00**

SCALE 1"=50' RTE. SC 557 DWG. NO.

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	EC11	

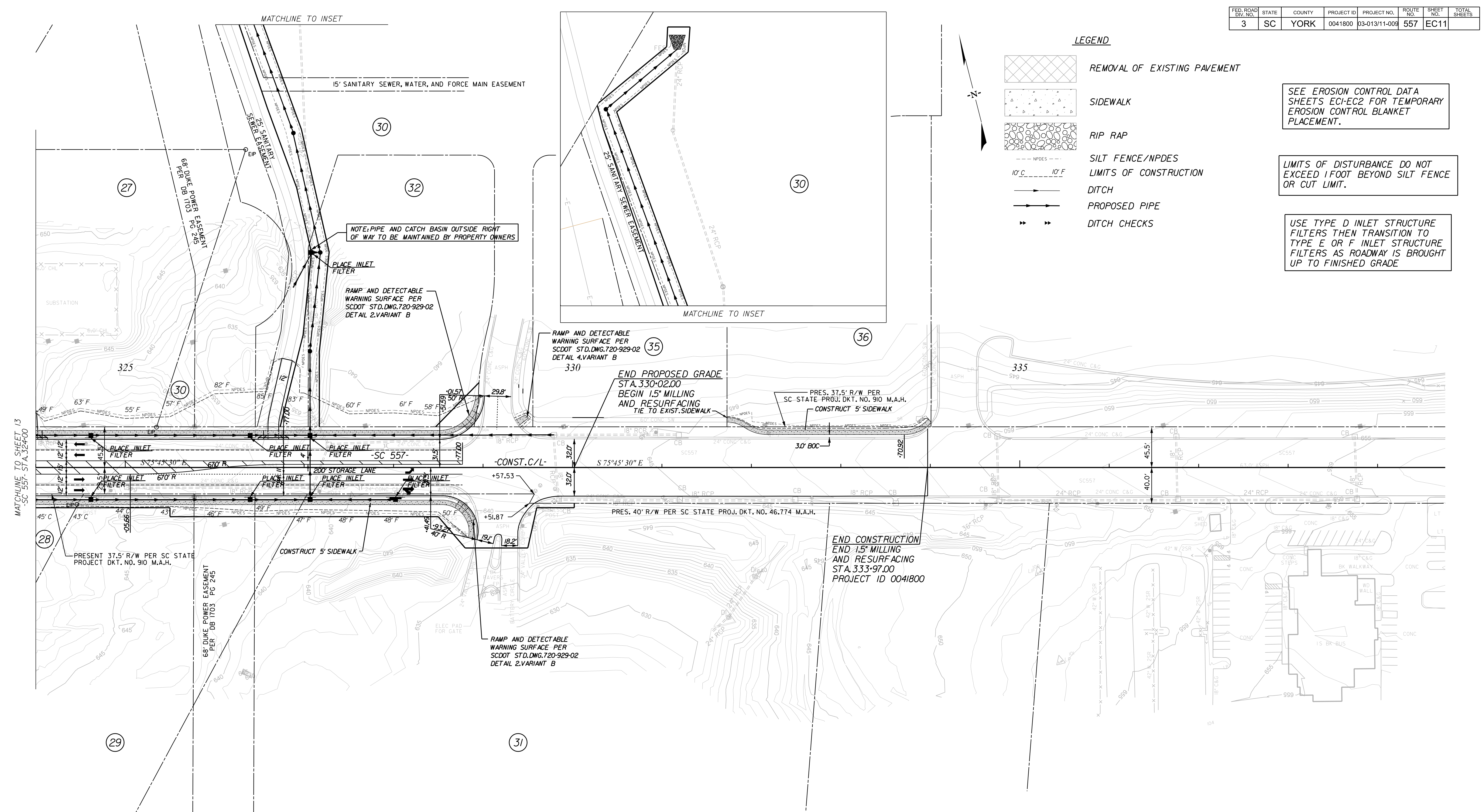
LEGEND

-  REMOVAL OF EXISTING PAVEMENT
-  SIDEWALK
-  RIP RAP
-  SILT FENCE/NPDES
-  LIMITS OF CONSTRUCTION
-  DITCH
-  PROPOSED PIPE
-  DITCH CHECKS

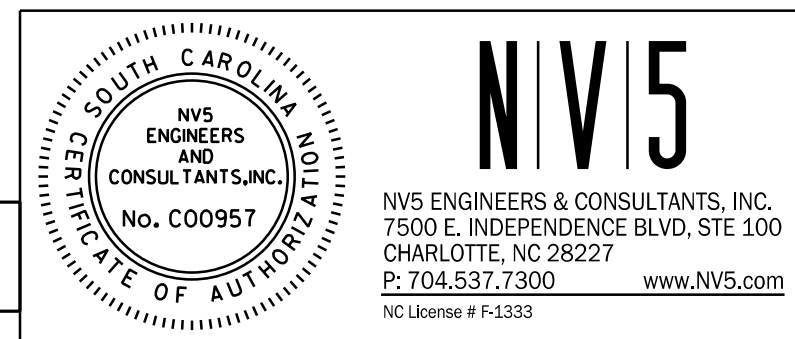
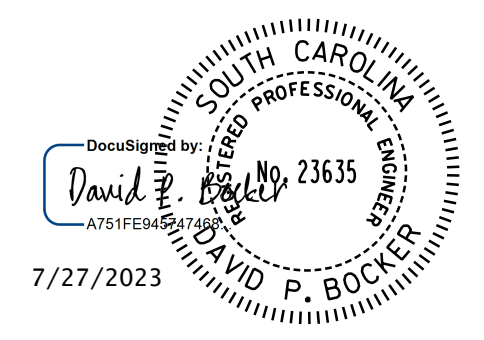
SEE EROSION CONTROL DATA SHEETS ECI-EC2 FOR TEMPORARY EROSION CONTROL BLANKET PLACEMENT.

LIMITS OF DISTURBANCE DO NOT EXCEED 1 FOOT BEYOND SILT FENCE OR CUT LIMIT.

USE TYPE D INLET STRUCTURE FILTERS THEN TRANSITION TO TYPE E OR F INLET STRUCTURE FILTERS AS ROADWAY IS BROUGHT UP TO FINISHED GRADE.



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ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEETS

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3	CALYX	5/31/2018	REVISED PROP. SIDEWALK & NPDES, AND ADDED CONSTR. LIMITS FOR TRACT 35
2	CALYX	5/31/2018	ADDED EXIST. SIDEWALK & REVISED NPDES FOR TRACT 35
1	CALYX	5/31/2018	REVISED CONSTR. LIMITS RT. STA. 325+50 TO 329+60, NPDES & NEW R/W FOR TRACTS 29 & 31

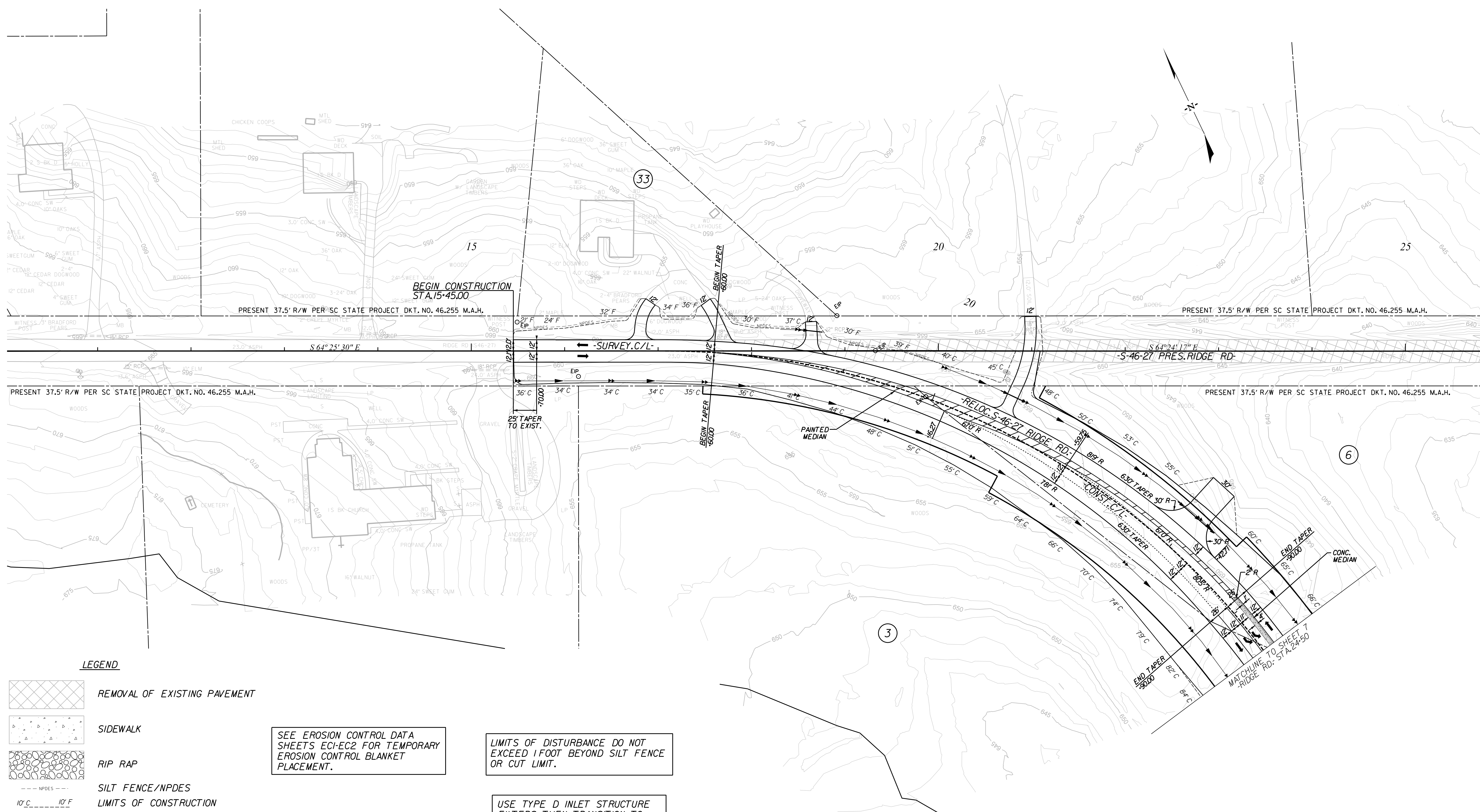
**YORK COUNTY
PENNIES FOR PROGRESS**

**SC 557
EROSION CONTROL PLAN
STA. 324+00 TO STA. 333+97.00**

SCALE 1"=50' RTE. SC 557 DWG. NO.

TOPO.	DATE	SQUAD
DWG.	DATE	
R/W	DATE	

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	EC12	



LEGEND

- REMOVAL OF EXISTING PAVEMENT
- SIDEWALK
- RIP RAP
- NPDES
- LIMITS OF CONSTRUCTION
- DITCH
- PROPOSED PIPE
- DITCH CHECKS

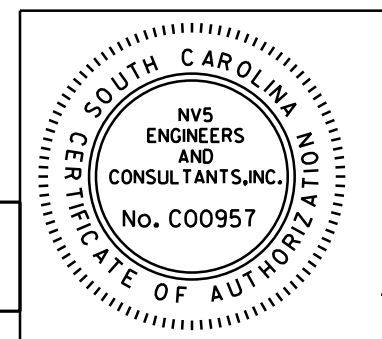
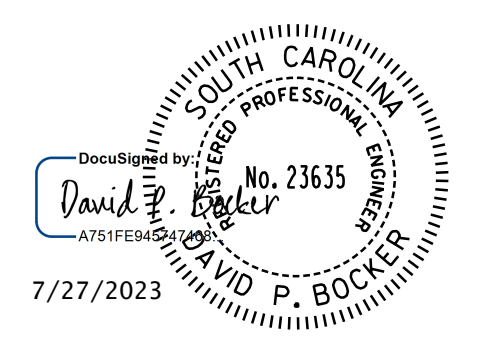
SEE EROSION CONTROL DATA SHEETS EC1-EC2 FOR TEMPORARY EROSION CONTROL BLANKET PLACEMENT.

LIMITS OF DISTURBANCE DO NOT EXCEED 1 FOOT BEYOND SILT FENCE OR CUT LIMIT.

USE TYPE D INLET STRUCTURE FILTERS THEN TRANSITION TO TYPE E OR F INLET STRUCTURE FILTERS AS ROADWAY IS BROUGHT UP TO FINISHED GRADE

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEETS

REMOVAL OF EXISTING PAVEMENT



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4				
3				
2				
1				
REV. NO.	BY	DATE	DATE	DESCRIPTION OF REVISION

YORK COUNTY
 PENNIES FOR PROGRESS

**RIDGE RD.
 EROSION CONTROL PLAN
 STA. 15+45 TO STA. 24+50**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

7/27/2023
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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	EC14	

PLAN VIEW

SECTION A

NOTES:

- 1) La = THE LENGTH OF THE RIPRAP APRON.
- 2) W = WIDTH OF OUTLET PROTECTION AT END OF RIPRAP APRON.
- 3) D0 = OUTER DIAMETER OF OUTLET PIPE.
- 4) 3D0 = WIDTH OF OUTLET PROTECTION AT TOE OF SLOPE AT PIPE OUTLET.
- 5) SEE DRAWING # 804-305-03 OR PLANS FOR DIMENSIONS La, W, AND 3D0.
- 6) d = DEPTH OF RIPRAP = 2.0 TIMES THE MAXIMUM RIPRAP DIAMETER.
- 7) SEE DRAWING # 804-305-01 FOR RIPRAP SLOPE STABILIZATION AROUND PIPE.

REFERENCES

NATIONAL DOCUMENTS
DOTD TRUCKS ENGINEERING FIELD MANUAL

SCDOT DOCUMENTS
VCM

RELATED DRAWINGS & KEYWORDS

SCDOT
SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 21242
JAMES W. KENDALL, P.E.

SIGNATURE: _____
DATE: 11/18/2016

STANDARD DRAWING
OUTLET PROTECTION WITH NO DEFINED CHANNEL

804-305-02
BRIEF TITLE SHEET

GENERAL NOTES:

- 1) THESE ARE APPLICABLE FOR INLETS WITH OVER FLOW WATER LESS THAN 2' OF FROM THE INLET DRAIN AREA. THESE WORKS DESIGN CAPACITY IS NOT REQUIRED TO PREVENT EXCESSIVE FLOWING AROUND THE STRUCTURE.
- 2) INSTALLATION:
a. HARDWARE FABRIC OR COMMERICAL WIDE MESH WITH A MAXIMUM OF 2.0 INCH O.D. MIN. OPENINGS SHALL BE USED AS THE SUPPORTING MATERIAL AND SHALL BE EXTENDED A MINIMUM 6' FROM THE INLET INTO THE GROUND.
b. RIPRAP SHALL BE 1.5 TO 2.0 INCHES IN SIZE WITH A MAXIMUM POOR LENGTH OF 48 INCHES. THE RIPRAP SHALL BE SPACED A MAXIMUM OF 2 FEET APART AROUND THE PERIMETER OF THE INLET AND EXTEND INTO THE GROUND A MINIMUM OF 18 INCHES.
c. FABRIC SHALL BE 1/2" LIES SPACED A MAXIMUM OF 6 INCHES APART SHALL BE USED TO ATTACH THE HARDWARE FABRIC TO THE STONE.
d. THE TOTAL WEIGHT OF APPROXIMATE 2' x 6' x 6' INCHES STONE AND SHALL EXTEND FOR A MINIMUM OF 18 INCHES FROM THE INLET INTO THE GROUND.
e. INSPECTION AND MAINTENANCE:
i. INSPECTIONS SHOULD BE MADE EVERY SEVEN (7) CALENDAR DAYS. ANY NEEDED REPAIRS SHOULD BE HANDLED IMMEDIATELY.
ii. REPAIRS SHOULD BE MADE WHEN IT IS OBSERVED APPROXIMATELY 1/2" OF THE HEIGHT OF THE STRUCTURE IS COVERED WITH SEDIMENT. REPAIRS SHOULD BE MADE IMMEDIATELY TO PREVENT THE STRUCTURE FROM BEING OVERFLOWED.
iii. THE STRUCTURE SHOULD BE CLEANED OF SEDIMENT IMMEDIATELY TO PREVENT THE STRUCTURE FROM BEING OVERFLOWED.
- 3) IF THE STONE REMAINS COVERED WITH SEDIMENT, THE STONE SHOULD BE MOVED AWAY FROM THE INLET AND REPLACED IN THE GROUND. THE STONE SHOULD BE MOVED AWAY FROM THE INLET AND REPLACED IN THE GROUND. THE STONE SHOULD BE MOVED AWAY FROM THE INLET AND REPLACED IN THE GROUND.
- 4) STONE DRAIN INLET PROTECTION STRUCTURES SHOULD BE REMOVED ONLY AFTER THE DISTURBED AREAS ARE PROPERLY GRADED AND STABILIZED TO DRAIN. STABILIZE ALL BARE AREAS IMMEDIATELY.
- 5) THE PAY ITEM SHALL BE: STABILIZED CLEANING INLET STRUCTURE FILTERS.

INSTALLATION DETAIL

POST INSTALLATION DETAIL

STONE AND HARDWARE FABRIC INSTALLATION DETAIL

HARDWARE FABRIC AND STONE INLET PROTECTION

TYPE B MEDIUM FLOW, LOW VELOCITY INLET FILTERS

THIS DRAWING IS NOT TO SCALE

GENERAL NOTES:

- 1) THESE ARE APPLICABLE FOR DRAINAGE AREAS UP TO 2' ABOVE THE GROUND OR WATER OVERFLOW AREAS UP TO 2' ABOVE THE GROUND. THESE WORKS DESIGN CAPACITY IS NOT REQUIRED TO PREVENT EXCESSIVE FLOWING AROUND THE STRUCTURE.
- 2) INSTALLATION:
a. HARDWARE FABRIC OR COMMERICAL WIDE MESH WITH A MAXIMUM OF 2.0 INCH O.D. MIN. OPENINGS SHALL BE USED AS THE SUPPORTING MATERIAL AND SHALL BE EXTENDED A MINIMUM 6' FROM THE INLET INTO THE GROUND.
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- 5) THE PAY ITEM SHALL BE: STABILIZED CLEANING INLET STRUCTURE FILTERS.

INSTALLATION DETAIL

POST INSTALLATION DETAIL

STONE AND HARDWARE FABRIC INSTALLATION DETAIL

HARDWARE FABRIC AND STONE INLET PROTECTION

TYPE B MEDIUM FLOW, LOW VELOCITY INLET FILTERS

THIS DRAWING IS NOT TO SCALE

REFERENCES

NATIONAL DOCUMENTS
DOTD TRUCKS ENGINEERING FIELD MANUAL

SCDOT DOCUMENTS
VCM

RELATED DRAWINGS & KEYWORDS

SCDOT
SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 21242
JAMES W. KENDALL, P.E.

SIGNATURE: _____
DATE: 11/18/2016

STANDARD DRAWING
TYPE B, D1 & D2 INLET STRUCTURE FILTERS

815-002-00
BRIEF TITLE SHEET

REFERENCES

NATIONAL DOCUMENTS
DOTD TRUCKS ENGINEERING FIELD MANUAL

SCDOT DOCUMENTS
VCM

RELATED DRAWINGS & KEYWORDS

SCDOT
SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 21242
JAMES W. KENDALL, P.E.

SIGNATURE: _____
DATE: 11/18/2016

STANDARD DRAWING
TYPE E INLET STRUCTURE FILTERS

815-005-00
BRIEF TITLE SHEET

NOTES:

- 1) DRAWING SHOWS TYPE E CATCH BASIN. TYPE E INLET STRUCTURE FILTERS ARE TO BE PLACED AT THE END OF THE ROAD SURFACE.
- 2) TYPE E INLET STRUCTURE FILTERS ARE TO BE PLACED AT THE END OF THE ROAD SURFACE.
- 3) TYPE E INLET STRUCTURE FILTERS ARE TO BE PLACED AT THE END OF THE ROAD SURFACE.
- 4) TYPE E INLET STRUCTURE FILTERS ARE TO BE PLACED AT THE END OF THE ROAD SURFACE.
- 5) TYPE E INLET STRUCTURE FILTERS ARE TO BE PLACED AT THE END OF THE ROAD SURFACE.
- 6) TYPE E INLET STRUCTURE FILTERS ARE TO BE PLACED AT THE END OF THE ROAD SURFACE.
- 7) TYPE E INLET STRUCTURE FILTERS ARE TO BE PLACED AT THE END OF THE ROAD SURFACE.

TOP VIEW

SECTION A

SECTION B

THIS DRAWING IS NOT TO SCALE

REFERENCES

NATIONAL DOCUMENTS
DOTD TRUCKS ENGINEERING FIELD MANUAL

SCDOT DOCUMENTS
VCM

RELATED DRAWINGS & KEYWORDS

SCDOT
SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 21242
JAMES W. KENDALL, P.E.

SIGNATURE: _____
DATE: 11/18/2016

STANDARD DRAWING
TYPE F INLET STRUCTURE FILTERS

815-006-00
BRIEF TITLE SHEET

NOTES:

- 1) DRAWING SHOWS TYPE F CATCH BASIN.
- 2) TYPE F INLET STRUCTURE FILTERS ARE TO BE PLACED AT THE END OF THE ROAD SURFACE.
- 3) TYPE F INLET STRUCTURE FILTERS ARE TO BE PLACED AT THE END OF THE ROAD SURFACE.
- 4) TYPE F INLET STRUCTURE FILTERS ARE TO BE PLACED AT THE END OF THE ROAD SURFACE.
- 5) TYPE F INLET STRUCTURE FILTERS ARE TO BE PLACED AT THE END OF THE ROAD SURFACE.
- 6) TYPE F INLET STRUCTURE FILTERS ARE TO BE PLACED AT THE END OF THE ROAD SURFACE.
- 7) TYPE F INLET STRUCTURE FILTERS ARE TO BE PLACED AT THE END OF THE ROAD SURFACE.

TOP VIEW DETAIL 1

SECTION A

TOP VIEW DETAIL 2

SECTION B

THIS DRAWING IS NOT TO SCALE

REFERENCES

NATIONAL DOCUMENTS
DOTD TRUCKS ENGINEERING FIELD MANUAL

SCDOT DOCUMENTS
VCM

RELATED DRAWINGS & KEYWORDS

SCDOT
SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 21242
JAMES W. KENDALL, P.E.

SIGNATURE: _____
DATE: 11/18/2016

STANDARD DRAWING
TYPE F INLET STRUCTURE FILTERS

815-006-00
BRIEF TITLE SHEET

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NVS
NVS ENGINEERS & CONSULTANTS, INC.
7500 E. INDEPENDENCE BLVD, STE 100
CHARLOTTE, NC 28227
P: 704.537.7300 www.NVS.com
NC License # P-1333

David P. Bocker
No. 23635
11/18/2016
11/18/2016

James W. Kendall
No. 21242
11/18/2016

4				
3				
2				
1				
REV. NO.	BY	DATE	DATE	DESCRIPTION OF REVISION
TOPO.		DATE		
DWG.		DATE		SQUAD
RW		DATE		

YORK COUNTY
PENNIES FOR PROGRESS

EROSION CONTROL PLAN SHEET

SCALE 1"= 50' RTE. SC 557 DWG. NO.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	EC15	

NOTES:

- SEDIMENT TUBE SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 815 OF THE ROAD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION). TUBES SHALL BE INSTALLED ON THE EXPOSED SIDE OF THE DITCH.
- PROPER SITE PREPARATION IS ESSENTIAL TO ENSURE SEDIMENT TUBES ARE IN PLACE. IN ORDER TO PREVENT DAMAGE TO THE TUBES, THE EXPOSED SIDE OF THE DITCH SHALL BE PROTECTED WITH A 2" MINIMUM THICKNESS OF GRANULAR MATERIAL.
- SEDIMENT TUBES SHALL BE INSTALLED IMMEDIATELY AFTER GRADING AND BEFORE THE DITCH IS OPEN TO TRAFFIC.
- SEDIMENT TUBES ARE TO BE INSTALLED SEPARATELY TO WATER LEAK AND SPACE TUBES ACCORDING TO THE FOLLOWING TABLE:

SLOPE	MAXIMUM SPACING
LESS THAN 2% ¹	150 FEET
2% ¹	75 FEET
3% ¹	50 FEET
4% ¹	40 FEET
5% ¹	30 FEET
GREATER THAN 6% ¹	25 FEET

1. STAKE SEDIMENT TUBES FOR DITCH CHECKS USING STAKES WITH A MINIMUM SPACING OF 20 FEET AND A STAKE SPACING DIMENSION OF 24 INCHES. STAKES SHALL BE PLACED AT THE CENTER OF THE TUBE AND THE SPACING SHALL BE MAINTAINED THROUGHOUT THE LENGTH OF THE TUBE. STAKES SHALL BE PLACED AT THE CENTER OF THE TUBE AND THE SPACING SHALL BE MAINTAINED THROUGHOUT THE LENGTH OF THE TUBE.

2. SELECT PROPER LENGTH OF TUBE TO MINIMIZE THE NUMBER NEEDED TO SPAN THE DITCH. THE TUBES SHALL BE INSTALLED SEPARATELY TO WATER LEAK AND SPACE TUBES ACCORDING TO THE FOLLOWING TABLE:

3. INITIAL SEDIMENT TUBES FOR DITCH CHECKS OVER BASE SOIL MAINTAINED AREAS. SEDIMENT TUBES SHALL BE INSTALLED SEPARATELY TO WATER LEAK AND SPACE TUBES ACCORDING TO THE FOLLOWING TABLE:

4. REMOVE AND/OR REPAIR ANY SEDIMENT TUBES AS REQUIRED TO ADAPT TO CHANGING CONDITIONS. SEDIMENT TUBES SHALL BE INSTALLED SEPARATELY TO WATER LEAK AND SPACE TUBES ACCORDING TO THE FOLLOWING TABLE:

5. MAINTAIN TUBES TO REMAIN STABLE. MAINTAINANCE OF TUBES SHALL BE MAINTAINED THROUGHOUT THE LENGTH OF THE TUBE.

6. CLEAN OUT OF TUBES WILL BE PAID FOR AS CLEANING SILT BASINS.

7. PAY ITEMS SHALL BE: \$15000 REMOVAL OF SILT RETAINED BY SILT BASIN..... LF

REFERENCES:

SCDOT DESIGN STANDARDS OFFICE 305 PARK STREET COLUMBIA, SC 29201

815-205-00

NOTES:

- STABILIZED CONSTRUCTION ENTRANCES SHOULD BE PROVIDED AT ALL CONSTRUCTION SITES AND MAINTAINED THROUGHOUT PUBLIC ROAD.
- IF ASPHALT IS USED, PROVISIONS MUST BE MADE TO PROTECT THE ASPHALT FROM DAMAGE TO THE ENTRANCE. PROVISIONS SHALL BE PROVIDED BY SCOT TO PROTECT THE ASPHALT FROM DAMAGE TO THE ENTRANCE. PROVISIONS SHALL BE PROVIDED BY SCOT TO PROTECT THE ASPHALT FROM DAMAGE TO THE ENTRANCE.
- WHEN VIEWINGS OF THE ENTRANCE SHALL BE NECESSARY TO MAINTAIN THE ENTRANCE SHALL BE NECESSARY TO MAINTAIN THE ENTRANCE.
- IMMEDIATELY REMOVE AND DISMENT TRACKS OR WHEELS FROM THE ENTRANCE IMMEDIATELY. THE ENTRANCE SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. THE ENTRANCE SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
- REPAIR ANY BROKEN PAVEMENT IMMEDIATELY.
- PAY ITEM: \$15000 STABILIZED CONSTRUCTION ENTRANCE..... LF

REFERENCES:

SCDOT DESIGN STANDARDS OFFICE 305 PARK STREET COLUMBIA, SC 29201

815-505-00

HEIGHT OF FALL IN FEET	FILL SLOPE	MINIMUM SILT FENCE OFFSET FROM TOP OF SLOPE IN FEET	MINIMUM SILT FENCE HEIGHT FROM GROUND IN FEET	CHECK LENGTH IN FEET
<8	2:1	2	3	2
	3:1	3	4	3
6-10	2:1	12*	12*	5
	3:1	3	4	3
>10	2:1	12*	12*	5
	3:1	4	5	4

SEE 815-605-10 FOR TEMPORARY DIVERSION DIKE
SEE 815-605-20 FOR TEMPORARY SILT DITCH
SEE 815-605-30 FOR ROLLED EROSION CONTROL PRODUCT

NOTES:

- SILT FENCE CHECKS MUST BE LOCATED EVERY 100 FEET MAXIMUM AND AT LOW POINTS. FILTER FABRICS SHALL CONFORM TO SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION).
- USE POSTS CONFORMING TO SCDOT STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS. POSTS SHALL BE A MINIMUM OF 3 FEET LONG AND INSTALLED TO A MINIMUM DEPTH OF 18 INCHES WITH NO MORE THAN 2 FEET OF FABRIC POST SPACING WILL BE A MAXIMUM OF 6 FEET ON CENTER.
- POSTS SHALL HAVE PROJECTIONS FOR FASTENING THE FABRIC TO THE POST. POSTS SHALL ALSO HAVE A SOIL PLATE BEHIND THE BOTTOM OF THE POST. EXCEPT WHEN HEAVY CLAY SOILS ARE PRESENT ON-SITE.
- ATTACH FABRIC TO POSTS USING HEAVY-DUTY PLASTIC TIES THAT ARE EVENLY SPACED AND PLACED IN A MANNER TO PREVENT SHAGGING OR TEARING OF THE FABRIC. IN ALL CHECKS TIES SHOULD BE ATTACHED TO NO LESS THAN 4 PLACES.
- SILT SHALL BE REMOVED AND DISPOSED OF WHEN PNEUMATICALLY TO THE HEIGHT OF THE FENCE. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON-SITE. MAINTENANCE OF SILT FENCE WILL BE MEASURED AND PAID FOR BY THE FEET OF REMOVAL OF SILT RETAINED BY SILT FENCE.
- TYPICAL SILT FENCE APPLICATIONS REQUIRE 24 INCHES OF THE FABRIC TO BE ABOVE GROUND. WHEN NEEDED, THE HEIGHT OF SILT FENCE FABRIC ABOVE THE GROUND MAY BE GREATER THAN 24". SEE PLANS FOR APPLICATION OF HIGHER SILT FENCE. PAY ITEMS AND INSTALLATION METHODS.
- IN SOIL AREAS EXTRA SILT FENCE MAY BE REQUIRED. THE LENGTH OF POST WILL BE THE HEIGHT OF THE POST HEIGHT. POST SPACING WILL REMAIN AS SHOWN HEREON. EXTRA HEIGHT FABRIC WILL BE A, N.
- PAY ITEMS: \$15000 SILT FENCE..... LF
\$13000 SILT FENCE EXTRA HEIGHT..... LF
\$15000 REPLACE/REPAIR SILT FENCE..... LF
\$15000 REMOVAL OF SILT RETAINED BY SILT FENCE..... LF

DETAILS:

- DETAIL 1: TYPICAL POST SPACING
- DETAIL 2: SILT FENCE CHECKS
- DETAIL 3: SILT FENCE CHECKS (MAXIMUM)
- DETAIL 4: TRENCH METHOD
- DETAIL 5: PNEUMATIC METHOD

12 INCHES OF THE FABRIC SHALL BE BURIED REGARDLESS, IF PLACED PNEUMATICALLY OR WITH A TRENCHER. BOTH METHODS SHOWN BELOW.

REFERENCES:

SCDOT DESIGN STANDARDS OFFICE 305 PARK STREET COLUMBIA, SC 29201

815-605-00

7/27/2023 default H:\Project\2009\320.20 SC 557 All CLIENT\Sheets\Erosion Control Sheets\SC557_ec_detail_sheet_2.dgn

NOTES:

- THIS DRAWING IS ONLY VALID FOR CONSTRUCTION WHEN SCALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA. CHECK WWW.SCDOT.GOV FOR LATEST UPDATE.

REFERENCES:

SCDOT DESIGN STANDARDS OFFICE 305 PARK STREET COLUMBIA, SC 29201

815-605-00

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

YORK COUNTY
PENNIES FOR PROGRESS

EROSION CONTROL DETAILS
EROSION CONTROL PLAN SHEET

SCALE 1"= 50'
RTE. SC 557 DWG. NO.

NOV 5
NVS ENGINEERS & CONSULTANTS, INC.
7500 E. INDEPENDENCE BLVD, STE 100
CHARLOTTE, NC 28227
P: 704.537.7300 www.NVS.com
NC License # P-1333

David P. Bocker
No. 23635
7/27/2023



FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	U-1	

SUBSURFACE UTILITY ENGINEERING FOR

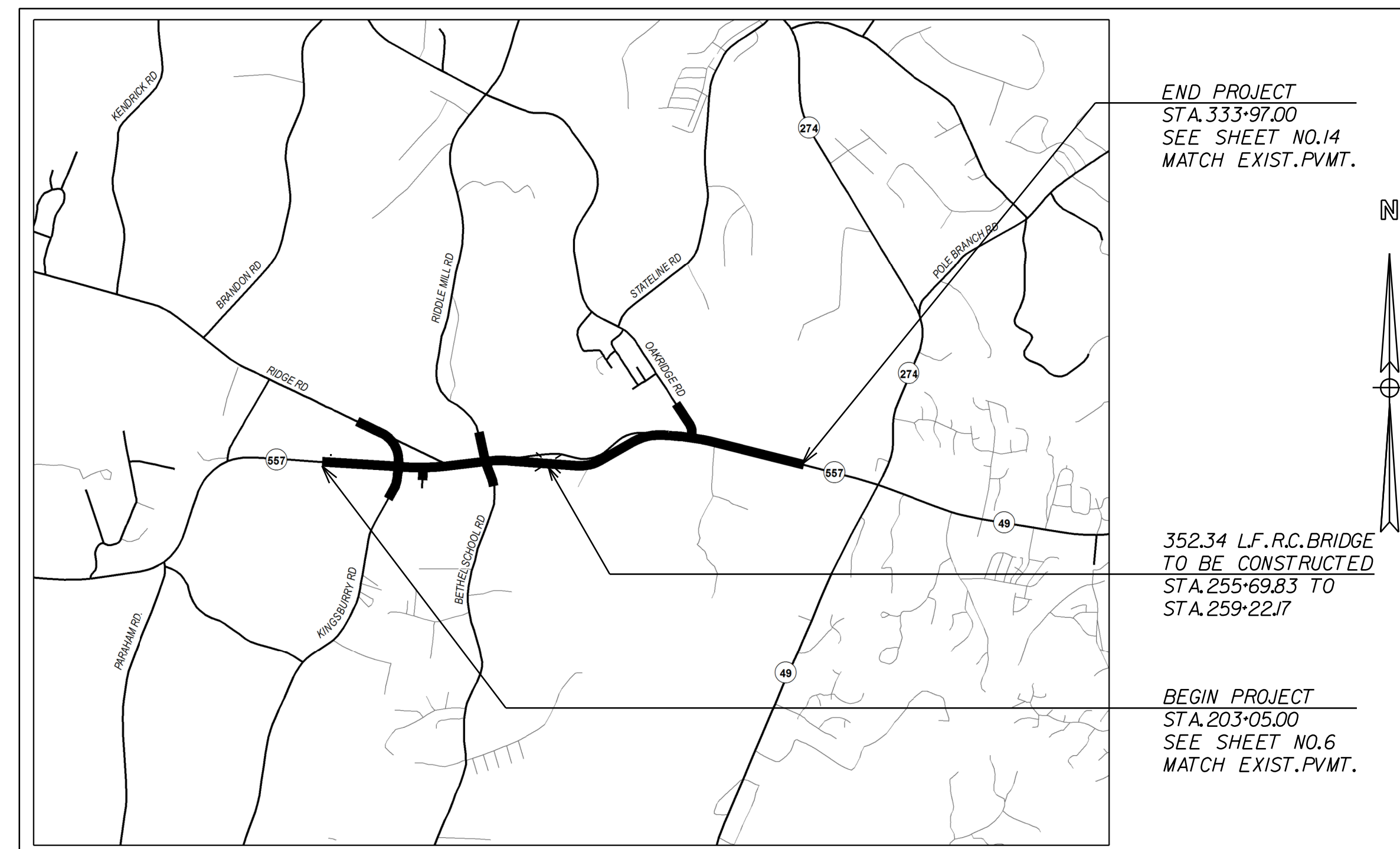
FOR INFORMATION ONLY

**YORK COUNTY
PROJECT ID 0041800**

**YORK CO. PROJECT NO. 03020-013/1149-009
SC 557 ROADWAY IMPROVEMENT PROJECT**

UTILITY OWNER INFORMATION

ELECTRIC DUKE ENERGY C/O PIKE ENGINEERING 123 N. WHITE STREET FORT MILL, SC 29715 NICHOLAS EDWARDS 803-389-8342	ELECTRIC DISTRIBUTION / QUANTITIES
TELEPHONE AT&T 100 BELTON DRIVE SPARTANBURG, SC 29301-4302 JAMIE RIGGINS 864-574-8608	UTILITY TYPE / QUANTITIES UTILITY TYPE / QUANTITIES
TELEVISION COMPORIUM 421 LAKESHORE DRIVE ROCK HILL, SC 29730-4205 BRENTON KENDRICK 803-326-6267	COAXIAL CABLE/ QUANTITIES FIBER OPTIC / QUANTITIES
GAS YORK COUNTY NATURAL GAS 979 WEST MAIN STREET ROCK HILL, SC 29730-3938 STEPHEN COMER 803-329-5255 EXT 5349	GAS DISTRIBUTION / QUANTITIES UTILITY TYPE / QUANTITIES
SANITARY SEWER CITY OF CLOVER 304 FAULKNER STREET CLOVER, SC 29710 MARK GEOUGE 803-222-7700	UTILITY TYPE / QUANTITIES UTILITY TYPE / QUANTITIES
WATER BLUE GRANITE WATER COMPANY 130 SOUTH MAIN STREET, SUITE 800 GREENVILLE, SC 29601 TRAVIS DUPREE 864-395-3571	UTILITY TYPE / QUANTITIES UTILITY TYPE / QUANTITIES
SANITARY SEWER BLUE GRANITE WATER COMPANY 130 SOUTH MAIN STREET, SUITE 800 GREENVILLE, SC 29601 TRAVIS DUPREE 864-395-3571	UTILITY TYPE / QUANTITIES UTILITY TYPE / QUANTITIES
FIBER OPTIC VERIZON BUSINESS 4200 ATLANTIC AVE., SUITE 116 RALEIGH, NC 27604 STEVEN RUIZ 919-326-5604	UTILITY TYPE / QUANTITIES UTILITY TYPE / QUANTITIES



LAYOUT
SCALE 1 INCH = 3,000 FEET

INDEX OF UTILITY SHEETS

UTILITY LEGEND	U.02
UTILITY DETAIL	U.03
UTILITY TEST HOLE	U.04
UTILITY PLAN SHEETS	U.05

NOTE: ALL WORKMANSHIP ON THIS PROJECT IS TO CONFIRM WITH SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION), AND BOOK OF STANDARD DRAWINGS FOR ROAD CONSTRUCTION (LATEST PUBLISHED ENGLISH REVISION)

3 DAYS BEFORE DIGGING IN SOUTH CAROLINA
CALL 1-800-922-0983
PALMETTO UTILITY PROTECTION SERVICE

APPROXIMATE LOCATION OF ROADWAY
LONGITUDE: 35° 07' 13" N
LATITUDE: 81° 07' 57" W

SUBSURFACE UTILITY ENGINEERING FIRM

NIV5
NVS ENGINEERS & CONSULTANTS, INC.
7500 E. INDEPENDENCE BLVD., SUITE 100
CHARLOTTE, NC 28227
P: 704.537.7300 www.NV5.com

SUBSURFACE UTILITY ENGINEERING FIRM
PROJECT ENGINEER

SIGNATURE DATE

CERTIFICATION STATEMENT:
THESE PLANS WERE PREPARED AND CERTIFIED BY THE CONSULTANT FOR COMPLETENESS. NO REVIEWS OR SIGNATURES BY THE SCDOT ARE REQUIRED.

\$\$\$\$\$Path\$\$\$\$\$filename\$\$\$\$\$

SUE LEGEND AND NOTES

ELECTRIC SYMBOLS			TELECOMMUNICATION SYMBOLS			UTILITY INFORMATION ABBREVIATIONS			UTILITY UNIQUE IDENTIFIER LINE-STYLES			QUALITY LEVEL DEFINITIONS			
SYM	ABV	DESCRIPTION	SYM	ABV	DESCRIPTION	MATERIAL ABBREVIATIONS			U SHEET - UTILITY COORDINATION LEGEND			U SHEET PLAN NOTES			
⊕	ETM	ELECTRICAL TRANSFORMER	⊕	TB	TELEPHONE BOOTH	C COPPER			⊗	UCP	NEW / RELOCATED UTILITY POLE	ABANDONED REMOVED			
⊕	EMH	ELECTRICAL MAN HOLE	⊕	TVP	CABLE TV PEDESTAL	DI DUCTILE IRON	W UNDERGROUND WATER			✱	URP	REMOVE UTILITY POLE	..... Ta Tr TELEPHONE		
⊕	EHH	ELECTRICAL HAND HOLE	⊕	TLC	SUBSCRIBER LOOP CARRIER (aka SLICK)	S STEEL	G UNDERGROUND GAS			⊕	UCW	NEW / RELOCATE WATER STRUCTURE	..... TVa TVr CABLE TV		
⊕	EPP	ELECTRIC PEDESTAL	⊕	TPP	TELEPHONE PEDESTAL	P PLASTIC	PUPS PALMETTO UTILITY PROTECTION SERVICES			⊕	UCW	NEW / RELOCATE WATER STRUCTURE	..... Ea Er ELECTRIC		
⊕	EBX	ELECTRIC BOX	⊕	TMH	TELEPHONE MAN HOLE	FO FIBER OPTIC	T TELEPHONE, TELECOMMUNICATION			⊕	UCG	NEW / RELOCATE GAS STRUCTURE	..... TFa TFr TRAFFIC CONTROL		
⊕	ESG	ELECTRIC SWITCH GEAR BOX	⊕	TFOH	FIBER OPTIC HAND HOLE	CI CAST IRON	TV, C CABLE TELEVISION			⊕	UCE	NEW / RELOCATE ELECTRIC STRUCTURE	..... Wa Wr WATER		
⊕	EVT	ELECTRIC VAULT	⊕	THH	TELEPHONE HAND HOLE	S STEEL	FO FIBER OPTIC			⊕	UCS	NEW / RELOCATE SEWER STRUCTURE	..... Ga Gr GAS		
⊕	EGL	GROUND / LANDSCAPE LIGHT	⊕	TVHH	CABLE TV HAND HOLE	CO CONCRETE	FS FORCED SANITARY SEWER, FORCE MAIN			⊕	UCF	NEW / RELOCATE TRAFFIC STRUCTURE	..... FSa FSr FORCED SEWER		
⊕	EAB	ELECTRIC AIR BRAKE	⊕	TBX	TELEPHONE BOX	PV PVC	DB DUCT BANK			⊕	UCU	NEW / RELOCATE MISC STRUCTURE	..... Fa Fr FUEL / PETROLEUM		
⊕	ERO	ELECTRIC RESIDENTIAL OUTLET	⊕	TXB	SPLICE BOX	VY VYLLON	TF TRAFFIC CONTROL UTILITY			⊕			..... DBa DBr DUCT BANK		
POLE SYMBOLS			TELEPHONE REPEATER			GENERAL ABBREVIATIONS			U SHEET PLAN NOTES			REMOVED UTILITIES			
⊕	PSP	SIGNIFICANT POLE (STEEL, CONCRETE, ETC)	⊕	TRP	TELEPHONE REPEATER	E ELECTRIC (POWER)	UNK UNKNOWN UTILITY			U SHEET LINEWORK WILL BE USED WHEN UTILITY RELOCATION PLANS ARE INCLUDED IN THE PLAN SET.			..... Ma Mr MISCELLANEOUS		
⊕	PP	ELECTRIC, COMBINATION POLE	⊕	TVB	CABLE TV BOX	W UNDERGROUND WATER	HP HYDROGEN PEROXIDE			ALL U SHEET UUI LINES WILL BE DETAILED ON THE U SHEET DATA SHEET.					
⊕	PMP	METER POLE	⊕	TUV	UNDERGROUND TELEPHONE VAULT	G UNDERGROUND GAS	ST STEAM LINE			"MISCELLANEOUS" UUI U SHEET LINEWORK CAN BE USED FOR ANY UTILITY NOT REPRESENTED WITH A RELOCATION UUI.					
⊕	PLT	TRANSMISSION LINE POLE	⊕	UTP	UNDERGROUND TELEPHONE PEDESTAL	P PALMETTO UTILITY PROTECTION SERVICES	F FUEL / PETROLEUM LINE			ON U SHEETS, EXISTING UTILITIES ARE DEPICTED ON A GREYSCALE.					
⊕	PLP	AREA LIGHT POLE	⊕	UTV	UNDERGROUND CABLE TV PEDESTAL	T TELEPHONE, TELECOMMUNICATION	R RECLAIMED WATER / SLURRY LINE			PROJECT NOTES					
⊕	PTF	TRAFFIC SIGNAL POLE	WATER SYMBOLS			TV, C CABLE TELEVISION	I IRRIGATION LINE								
⊕	POP	OTHER USE POLE	⊕	WM	WATER METER	FO FIBER OPTIC	DB DUCT BANK								
⊕	PCT	CELL PHONE TOWER	⊕	WV	WATER VALVE	S SANITARY SEWER	TNL TUNNEL								
⊕	PTP	TELEPHONE POLE	⊕	WW	WATER MONITORING WELL	FS FORCED SANITARY SEWER, FORCE MAIN	CA GASES MATERIAL								
⊕	PGP	GUY POLE	⊕	WWV	WATER MONITORING WELL	DB DUCT BANK									
TRAFFIC CONTROL SYMBOLS			⊕	WAR	WATER AIR RELEASE VALVE	TF TRAFFIC CONTROL UTILITY									
⊕	TFV	TRAFFIC SIGNAL CONTROL VAULT	⊕	WVB	WATER VALVE BOX	UNK UNKNOWN UTILITY									
⊕	TFHH	TRAFFIC CONTROL HAND HOLE	⊕	WFC	FIRE DEPARTMENT CONNECTION	HP HYDROGEN PEROXIDE									
⊕	TFJ	TRAFFIC SIGNAL JUNCTION BOX	⊕	WBP	WATER BACKFLOW PREVENTER	ST STEAM LINE									
GAS SYMBOLS			⊕	WBO	WATER BLOW OFF VALVE	F FUEL / PETROLEUM LINE									
⊕	GM	GAS METER	⊕	WWH	WATER MAN HOLE	R RECLAIMED WATER / SLURRY LINE									
⊕	GVC	GAS VALVE CAP	⊕	WV	WATER VALVE	I IRRIGATION LINE									
⊕	GMH	GAS MAN HOLE	⊕	WAR	WATER AIR RELEASE VALVE	DB DUCT BANK									
⊕	GVT	GAS VENT	⊕	WVB	WATER VALVE BOX	CA GASES MATERIAL									
⊕	GR	GAS PRESSURE REGULATOR	⊕	WFC	FIRE DEPARTMENT CONNECTION	SEWER MANHOLE NUMBERS (SMN)									
⊕	GTP	GAS LINE TEST POINT	⊕	WBP	WATER BACKFLOW PREVENTER	S001 ⊕ ← SANITARY SEWER MANHOLE									
⊕	GTF	GAS LINE TAP FARM	⊕	WBO	WATER BLOW OFF VALVE	DESIGNATE EACH SANITARY SEWER MANHOLE WITH A SEWER MANHOLE NUMBER (SMN). REFERENCE THIS SMN ON THE UTILITY DATA SHEET AND LIST ELEVATIONS.									
MISC SYMBOLS			⊕	WWH	WELL HOUSE	GENERAL NOTES									
⊕	MWP	UTILITY WITNESS POST	⊕	WV	WATER VALVE	-GRAVITY SANITARY SEWER LINES ARE SHOWN AS LEVEL 'C'.									
⊕	EOI	END OF INFORMATION	⊕	WVB	WATER VALVE BOX	-AERIAL UTILITY LINES ARE CONSIDERED AS LEVEL 'C'.									
⊕	MUC	MISC / UNKNOWN VALVE CAP OR COVER	⊕	WFC	FIRE DEPARTMENT CONNECTION	-UTILITY OWNER INFORMATION SHOWN ON UTILITY TITLE SHEET.									
⊕	MPB	PAVED OR BURIED MANHOLE / CAP	⊕	WBP	WATER BACKFLOW PREVENTER	-DETAILED INFORMATION SHOWN ON UTILITY & POLE DATA SHEETS.									
⊕	MUE	UTILITY TERMINI / ENDS	⊕	WBO	WATER BLOW OFF VALVE	-UTILITY POLE DATA INFORMATION SHOWN ON UTILITY & POLE DATA SHEETS.									
⊕	MTH	TEST HOLE	⊕	WWH	WELL HOUSE	-TEST HOLE SHOWN ON UTILITY PLAN SHEETS AND DETAILED ON TEST HOLE REFERENCE SHEETS.									
COMBINATION LINE DEPICTION CODES			⊕	WV	WATER VALVE	GENERAL NOTES									
SHOW COMBINED LEVEL C & D SUE WILL INCLUDE THE FOLLOWING LEVEL QUALITY CODES:			⊕	WVB	WATER VALVE BOX	-HORIZONTAL AND VERTICAL REFERENCED TO PROJECT CONTROL FOUND ON REFERENCE SHEET.									
LINE SHOWN DEPICTS QUALITY LEVEL C <C>			⊕	WFC	FIRE DEPARTMENT CONNECTION	-SERVICES LINES WERE DESIGNATED TO THE SWEEP LIMITS OR DISTRIBUTION POINT.									
LINE SHOWN DEPICTS QUALITY LEVEL D <D>			⊕	WBP	WATER BACKFLOW PREVENTER	-ALL SUBSURFACE UTILITY WORK WAS PERFORMED USING THE ASCE GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA C/ASCE 38-02									
MULTIPLE SUE OWNERS CAN BE DEPICTED OWNERSHIP WITH THE FOLLOWING CODES:			⊕	WBO	WATER BLOW OFF VALVE	UTILITY INFORMATION TAGS (UIT)									
(A) UTILITY OWNER "X"			⊕	WWH	WELL HOUSE	TAG EACH UTILITY POLE WITH A UTILITY POLE ID NUMBER (UPIN) STARTING AT THE BEGINNING STATION. REFERENCE UPIN ON THE UTILITY & POLE DATA SHEET WITH APPROPRIATE INFORMATION.									
(B) UTILITY OWNER "Y"			⊕	WV	WATER VALVE	POLE NUMBER									
UTILITY LINES THAT REQUIRE MORE DETAILED INFORMATION ON THE PLAN SHEET CAN BE LABELED WITH THE SUPPLEMENTAL UTILITY LINE LABEL (SUL):			⊕	WVB	WATER VALVE BOX	P001 → OH3 → P002									
E1, T1, TV1			⊕	WFC	FIRE DEPARTMENT CONNECTION										
-----500PR-----			⊕	WBP	WATER BACKFLOW PREVENTER										
-----AATUR-----			⊕	WBO	WATER BLOW OFF VALVE										
⊕12.3>			⊕	WWH	WELL HOUSE										
OWNERSHIP CODES WILL REFERENCED ON THE TITLE/OWNER SHEET AND THE UTILITY & POLE DATA SHEET.			⊕	WV	WATER VALVE										



YORK COUNTY
PENNIES FOR PROGRESS

SUBSURFACE
UTILITY ENGINEERING
LEGEND & NOTES

ALL INFORMATION SHALL BE REFERENCED TO THE PROJECT DATUM.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	U-3	

UTILITY POLE DATA

OWNER I.D. NO.	POLE I.D. NO.	POLE OWNER	NORTHING	EASTING	UTILITY ATTACHED TO POLE - OWNER OF UTILITY	HEIGHT	DIAMETER	MATERIAL COMPOSITION	MISC. NOTES
EI	1	DUKE POWER	1195904.68	1962249.30	ELECTRIC EI-3,EI-I			WOOD	SPC 12 DITRIBUTION & TRANSMISSION
EI	2	DUKE POWER	1195892.28	1962470.57	ELECTRIC EI-3,EI-I, TELEVISION TV-I	45'	14"	WOOD	SPC 12 4-45 DISTRIBUTION & TRANSMISSION
EI	3	DUKE POWER	1195694.23	1962417.85	ELECTRIC EI-3,EI-I, TELEVISION TV-I	40'	14"	WOOD	SPC 12 5-40 DISTRIBUTION & TRANSMISSION , COPPER CABLE TELEVISION
EI	4	DUKE POWER	1195808.13	1962517.85	ELECTRIC EI-I	30'	12"	WOOD	SPSK 60 6-30 DISTRIBUTION , ELECTRICAL DROP
EI	5	DUKE POWER	1196126.03	1962388.83	ELECTRIC EI-3	40'	10"	WOOD	SPC 5-40 TRANSMISSION
EI	6	DUKE POWER	1196114.82	1962530.17	ELECTRIC EI-3	40'	12"	WOOD	SPC 5-40 TRANSMISSION
EI	7	DUKE POWER	1196094.10	1962770.60	ELECTRIC EI-3	40'	12"	WOOD	SPC 5-40 TRANSMISSION
EI	8	DUKE POWER	1195880.12	1962697.79	ELECTRIC EI-3,EI-I, TELEVISION TV-I	40'	12"	WOOD	SPC 12 5-40 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION , TRANSFORMER
EI	9	DUKE POWER	1195853.97	1962793.90	ELECTRIC EI-I	30'	12"	WOOD	SPC 9 6-30 DISTRIBUTION, LIGHT
EI	10	DUKE POWER	1195874.75	1962925.36	ELECTRIC EI-3,EI-I, TELEVISION TV-I	40'	12"	WOOD	SPC 12 5-40 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION, CABLE TELEVISION DROP
EI	11	DUKE POWER	1195877.43	1963161.13	ELECTRIC EI-3,EI-I, TELEVISION TV-I	40'	12"	WOOD	SPC 12 5-40 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION
EI	12	DUKE POWER	1195889.19	1963387.44	ELECTRIC EI-3,EI-I, TELEVISION TV-I	40'	12"	WOOD	SPC 12 5-40 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION
EI	13	DUKE POWER	1195918.98	1963596.81	TRAFFIC CONTROL , TC-I	35'	14"	WOOD	SPSK 60 2-35 DISTRIBUTION , COPPER TRAFFIC, TRAFFIC DROP
EI	14	DUKE POWER	1195909.07	1963608.57	ELECTRIC EI-3,EI-I, TELEVISION TV-I	45'	14"	WOOD	SPC 12 3-45 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION
EI	15	DUKE POWER	1196018.79	1963533.65	ELECTRIC EI-3,EI-I, TELEVISION TV-I	45'	14"	WOOD	SPC 12 3-45 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION
EI	16	DUKE POWER	1195984.55	1963590.49	ELECTRIC EI-I, TRAFFIC CONTROL , TC-I	35'	14"	WOOD	SPSK 10 2-35 DISTRIBUTION , COPPER TRAFFIC, TRAFFIC DROP
EI	17	DUKE POWER	1195931.68	1963733.36	TRAFFIC CONTROL , TC-I	35'	14"	WOOD	SPSK 10 2-35 , COPPER TRAFFIC, TRAFFIC DROP
EI	18	DUKE POWER	1195995.93	1963729.51	TRAFFIC CONTROL , TC-I	35'	14"	WOOD	SPSK 10 2-35 , COPPER TRAFFIC, TRAFFIC DROP
EI	19	DUKE POWER	1196021.37	1963779.82	ELECTRIC EI-3,EI-I, TELEVISION TV-I	35'	14"	WOOD	SPSK 10 3-35 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION
EI	20	DUKE POWER	1196196.00	1963735.06	ELECTRIC EI-I2	NONE	120"	STEEL	TRANSMISSION
EI	21	DUKE POWER	1196874.77	1962920.40	ELECTRIC EI-I2	NONE	120"	STEEL	TRANSMISSION
EI	22	DUKE POWER	1195521.79	1964233.68	ELECTRIC EI-I2	NONE	120"	STEEL	TRANSMISSION
EI	23	DUKE POWER	1194509.32	1964978.78	ELECTRIC EI-I2	NONE	120"	STEEL	TRANSMISSION
EI	24	DUKE POWER	1196038.08	1963978.20	ELECTRIC EI-3,EI-I, TELEVISION TV-I	45'	14"	WOOD	SPSK 60 3-45 DISTRIBUTION & TRANSMISSION, COPPER CABOLE TELEVISION, TRANSFORMER
EI	25	DUKE POWER	1195946.83	1964020.64	ELECTRIC EI-I	35'	14"	WOOD	SPSK 60 5-35 DISTRIBUTION, ELECTRICAL DROP
EI	26	DUKE POWER	1196055.08	1964173.92	ELECTRIC EI-3,EI-I, TELEVISION TV-I	40'	14"	WOOD	SPC 12 4-40 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION
EI	27	DUKE POWER	1196077.21	1964371.52	ELECTRIC EI-3,EI-I, TELEVISION TV-I	40'	14"	WOOD	SPC 12 4-40 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION
EI	28	DUKE POWER	1196099.99	1964572.20	ELECTRIC EI-3,EI-I, TELEVISION TV-I	40'	14"	WOOD	SPC 12 4-40 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION
EI	29	DUKE POWER	1196116.44	1964713.06	ELECTRIC EI-3,EI-I, TELEVISION TV-I	40'	14"	WOOD	SPC 12 4-40 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION
EI	30	DUKE POWER	1195847.07	1964807.13	ELECTRIC EI-3, TELEVISION TV-I	45'	14"	WOOD	SPC 12 5-45 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION
EI	31	DUKE POWER	1196143.89	1964967.78	ELECTRIC EI-3,EI-I, TELEVISION TV-I	40'	14"	WOOD	SPCC 9A 5-40 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION
EI	32	DUKE POWER	1196165.93	1965171.02	ELECTRIC EI-3,EI-I, TELEVISION TV-I	45'	14"	WOOD	SPCC 12 3-45 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION
EI	33	DUKE POWER	1196186.40	1965360.16	ELECTRIC EI-3,EI-I, TELEVISION TV-I	40'	14"	WOOD	SPCC 12 5-40 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION
EI	34	DUKE POWER	1196211.76	1965599.44	ELECTRIC EI-3,EI-I, TELEVISION TV-I	40'	14"	WOOD	SPCC 12 5-40 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION
EI	35	DUKE POWER	1196234.02	1965818.60	ELECTRIC EI-3,EI-I, TELEVISION TV-I	40'	14"	WOOD	SPCC 12 5-40 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION
EI	36	DUKE POWER	1196256.73	1966041.18	ELECTRIC EI-3,EI-I, TELEVISION TV-I	40'	14"	WOOD	SPCC 12 5-40 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION, COPPER TELEPHONE
EI	37	DUKE POWER	1196284.79	1966306.61	ELECTRIC EI-3,EI-I, TELEVISION TV-I	40'	14"	WOOD	SPCC 12 5-40 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION, COPPER TELEPHONE
EI	38	DUKE POWER	1196307.72	1966521.42	ELECTRIC EI-3,EI-I, TELEVISION TV-I	50'	14"	WOOD	SPSK 12 3-50 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION
EI	39	DUKE POWER	1196293.08	1966752.98	ELECTRIC EI-3,EI-I, TELEVISION TV-I	45'	14"	WOOD	SPSK 12 4-45 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION, ELECTRICAL DROP
EI	40	DUKE POWER	1196232.96	1966974.24	ELECTRIC EI-3,EI-I, TELEVISION TV-I	45'	14"	WOOD	SPSK 12 4-45 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION
EI	41	DUKE POWER	1196264.37	1967223.48	ELECTRIC EI-I	40'	14"	WOOD	SPSK 12 5-40 DISTRIBUTION, TRANSFORMER
EI	42	DUKE POWER	1196410.32	1967190.62	ELECTRIC EI-I	30'	14"	WOOD	SPSK 6 6-30 DISTRIBUTION, LIGHT
EI	43	DUKE POWER	1196110.37	1967173.05	ELECTRIC EI-3,EI-I, TELEVISION TV-I	40'	14"	WOOD	SPC 12 3-40 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION, ELECTRICAL DROP
EI	44	DUKE POWER	1196104.40	1967349.29	ELECTRIC EI-3,EI-I, TELEVISION TV-I	40'	14"	WOOD	SPC 12 3-40 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION
EI	45	DUKE POWER	1196129.09	1967522.34	ELECTRIC EI-3,EI-I, TELEVISION TV-I	50'	14"	WOOD	SPSK 12 4-50 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION
EI	46	DUKE POWER				50'	14"	WOOD	
EI	47	DUKE POWER	1195859.22	1967429.19	ELECTRIC EI-3, EI-I	40'	14"	WOOD	SPSK 12 5-40 DISTRIBUTION & TRANSMISSION
EI	48	DUKE POWER	1196216.60	1967750.19	ELECTRIC EI-3,EI-I, TELEVISION TV-I	40'	14"	WOOD	SPSK 12 5-40 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION
EI	49	DUKE POWER	1196398.03	1967882.78	ELECTRIC EI-3,EI-I, TELEVISION TV-I	40'	16"	WOOD	SPSK 12 5-40 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION
EI	50	DUKE POWER	1196538.55	1968044.04	ELECTRIC EI-3,EI-I, TELEVISION TV-I	40'	14"	WOOD	SPSK 12 5-40 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION, F/O TELEPHONE
EI	51	DUKE POWER	1196686.42	1968210.19	ELECTRIC EI-3, EI-I	45'	14"	WOOD	SPSK 12 5-40 DISTRIBUTION & TRANSMISSION, COPPER CABLE TELEVISION, F/O TELEPHONE
EI	52	DUKE POWER	1196728.16	1968442.14	ELECTRIC EI-3, EI-I	40'	12"	WOOD	SPSK 12 4-40 DISTRIBUTION & TRANSMISSION
EI	53	DUKE POWER	1196773.75	1968699.02	ELECTRIC EI-3, EI-I	40'	12"	WOOD	SPSK 12 5-40 DISTRIBUTION & TRANSMISSION
EI	54	DUKE POWER	1196772.97	1968917.88	ELECTRIC EI-3, EI-I	40'	12"	WOOD	SPSK 12 5-40 DISTRIBUTION & TRANSMISSION
EI	55	DUKE POWER	1196760.71	1969144.75	ELECTRIC EI-3, EI-I	40'	12"	WOOD	SPSK 12 5-40 DISTRIBUTION & TRANSMISSION, TRANSFORMER
EI	56	DUKE POWER	1196735.29	1969364.56	ELECTRIC EI-3, EI-I	40'	12"	WOOD	SPSK 12 5-40 DISTRIBUTION & TRANSMISSION
EI	57	DUKE POWER	1196709.22	1969588.15	ELECTRIC EI-3, EI-I	40'	12"	WOOD	SPSK 12 5-40 DISTRIBUTION & TRANSMISSION, ELECTRICAL DROP
EI	58	DUKE POWER	1196682.91	1969809.84	ELECTRIC EI-3,EI-I, TELEPHONE T-I	40'	12"	WOOD	SPSK 12 5-40 DISTRIBUTION & TRANSMISSION, COPPER TELEPHONE, ELECTRICAL DROP, TELEPHONE DROP
EI	59	DUKE POWER	1196656.96	1970029.77	ELECTRIC EI-3, EI-I	40'	12"	WOOD	SPSK 12 5-40 DISTRIBUTION & TRANSMISSION, COPPER TELEPHONE, TRANSFORMER
EI	60	DUKE POWER	1196632.75	1970239.43	ELECTRIC EI-3, EI-I	40'	12"	WOOD	SPSK 12 5-40 DISTRIBUTION & TRANSMISSION
EI	61	DUKE POWER	1196814.12	1970181.26		45'	14"	WOOD	SPSK 6 3-45 DISTRIBUTION & TRANSMISSION, ELECTRICAL DROP, TRANSFORMER
EI	62	DUKE POWER	1196880.89	1970357.69		40'	12"	WOOD	SPSK 6 5-40 DISTRIBUTION, ELECTRIC DROP, TRANSFORMER, LIGHT
EI	63	DUKE POWER	1196604.90	1970471.64	ELECTRIC EI-3, EI-I	40'	14"	WOOD	SPSK 6 4-40 DISTRIBUTION & TRANSMISSION
EI	64	DUKE POWER	1196550.54	1970687.44	ELECTRIC EI-3, EI-I	40'	14"	WOOD	SPSK 6 4-40 DISTRIBUTION & TRANSMISSION, ELECTRICAL DROP, TRANSFORMER

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
1			
2			
3			
4			
5			
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7			

YORK COUNTY
PENNSYLVANIA FOR PROGRESS

UTILITY POLE DATA SHEET

ALL INFORMATION SHALL BE REFERENCED TO THE PROJECT DATUM.

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	U-4	

UTILITY POLE DATA

OWNER I.D. NO.	POLE I.D. NO.	POLE OWNER	NORTHING	EASTING	UTILITY ATTACHED TO POLE - OWNER OF UTILITY	HEIGHT	DIAMETER	MATERIAL COMPOSITION	MISC. NOTES
EI	65	DUKE POWER	1196871.22	1970776.10	ELECTRIC, EI-I	NONE FOUND	14	WOOD	DISTRIBUTION, TRANSFORMER
EI	66	DUKE POWER	1196496.90	1970901.76	ELECTRIC, EI-I	NONE FOUND	14	WOOD	DISTRIBUTION & TRANSMISSION
EI	67	DUKE POWER	1196450.50	1971087.97	ELECTRIC, EI-3,EI-I	NONE FOUND	14	WOOD	DISTRIBUTION & TRANSMISSION
EI	68	DUKE POWER	1196729.60	1971108.95	ELECTRIC, EI-I	NONE FOUND	14	WOOD	DISTRIBUTION
EI	69	DUKE POWER	1196506.22	1971248.09	GUY WIRE	NONE FOUND	10	WOOD	
EI	70	DUKE POWER	1196404.85	1971267.10	ELECTRIC, EI-3,EI-I	NONE FOUND	14	WOOD	DISTRIBUTION & TRANSMISSION
EI	71	DUKE POWER	1196229.03	1971298.21	ELECTRIC, EI-I	NONE FOUND	14	WOOD	DISTRIBUTION & TRANSMISSION
EI	72	DUKE POWER	1196350.38	1971483.02	ELECTRIC, EI-3,EI-I	NONE FOUND	14	WOOD	DISTRIBUTION & TRANSMISSION
EI	73	DUKE POWER	1196294.65	1971701.41	ELECTRIC, EI-3,EI-I	40	14	WOOD	SPSK4 5-40 DISTRIBUTION & TRANSMISSION
EI	74	DUKE POWER	1196360.06	1971829.74	ELECTRIC, EI-I	40	14	WOOD	SPSK4 5-40 DISTRIBUTION
EI	75	DUKE POWER	1196232.78	1971949.71	ELECTRIC, EI-3,EI-I	40	14	WOOD	SPSK4 5-40 DISTRIBUTION & TRANSMISSION, ELECTRICAL DROP
EI	76	DUKE POWER	1196129.57	1971954.14	ELECTRIC, EI-I	40	14	WOOD	SPSK4 5-40 DISTRIBUTION, ELECTRICAL DROP, TRANSFORMER, LIGHT
EI	77	DUKE POWER	1196199.40	1972080.19	ELECTRIC, EI-I	40	14	WOOD	SPSK4 5-40 DISTRIBUTION, LIGHT
EI	78	DUKE POWER	1196250.76	1972201.38	ELECTRIC, EI-3,EI-I	40	14	WOOD	SPSK4 5-40 DISTRIBUTION & TRANSMISSION
EI	79	DUKE POWER	1196201.19	1972397.45	ELECTRIC, EI-3,EI-I	40	14	WOOD	SPSK4 4-40 DISTRIBUTION & TRANSMISSION
EI	80	DUKE POWER	1196127.73	1972358.95	ELECTRIC, EI-3,EI-I	40	14	WOOD	SPSK4 4-40 DISTRIBUTION & TRANSMISSION, LIGHT
EI	81	DUKE POWER	1196016.76	1972298.90	ELECTRIC, EI-3,EI-I	40	14	WOOD	SPSK4 4-40 DISTRIBUTION & TRANSMISSION, TRANSFORMER
EI	82	DUKE POWER	1195915.65	1972406.13	ELECTRIC, EI-I	30	14	WOOD	SPSK4 6-30 DISTRIBUTION
EI	83	DUKE POWER	1196167.87	1972528.27	ELECTRIC, EI-3,EI-I	45	14	WOOD	SPSK4 4-45 DISTRIBUTION & TRANSMISSION
EI	84	DUKE POWER	1196281.45	1972463.34	ELECTRIC, EI-I	45	12	WOOD	SPSK4 4-45 DISTRIBUTION, ELECTRICAL DROP
EI	85	DUKE POWER	1196268.86	1972512.99	ELECTRIC, EI-I	45	18	WOOD	SPSK4 4-45 DISTRIBUTION & TRANSMISSION, TRANSFORMER
EI	86	DUKE POWER	1196260.85	1972543.88	ELECTRIC, EI-3,EI-I	45	14	WOOD	SPSK4 4-45 DISTRIBUTION & TRANSMISSION
EI	87	DUKE POWER	1196227.89	1972668.98	ELECTRIC, EI-3,EI-I	45	20	WOOD	SPSK4 4-45 DISTRIBUTION & TRANSMISSION, ELECTRICAL DROP
EI	88	DUKE POWER	1196296.33	1972724.51	ELECTRIC, EI-3,EI-I	NONE FOUND	36	STEEL	TRANSMISSION
EI	89	DUKE POWER	1196136.05	1972648.11	ELECTRIC, EI-3,EI-I	50	18	WOOD	SPSK6 3-50 DISTRIBUTION AND TRANSMISSION, F/O PHONE, F/O CABLE TV, TELEPHONE & CABLE TV DROP
EI	90	DUKE POWER	1196059.86	1972627.99	ELECTRIC, EI-3,EI-I, TELEVISION, TV-I	40	12	WOOD	SPSK6 5-40 DISTRIBUTION & TRANSMISSION, ELECTRICAL DROP
EI	91	DUKE POWER	1196021.61	1972653.35	ELECTRIC, EI-3	55	14	WOOD	SPC 3-55 TRANSMISSION
EI	92	DUKE POWER	1195764.09	1972586.84	ELECTRIC, EI-3	55	14	WOOD	SPC 3-55 TRANSMISSION
EI	93	DUKE POWER	1196089.82	1972833.22	ELECTRIC, EI-3,EI-I, TELEVISION, TV-I, TELEPHONE, T-I	NONE FOUND	14	WOOD	DISTRIBUTION & TRANSMISSION, F/O TELEPHONE, F/O CABLE TV
EI	94	DUKE POWER	1196033.48	1973048.08	ELECTRIC, EI-3,EI-I, TELEVISION, TV-I, TELEPHONE, T-I	NONE FOUND	18	WOOD	DISTRIBUTION & TRANSMISSION, F/O TELEPHONE, F/O CABLE TV
EI	95	DUKE POWER	1196034.37	1973047.99	ELECTRIC, EI-3,EI-I, TELEVISION, TV-I, TELEPHONE, T-I	NONE FOUND	14	WOOD	DISTRIBUTION & TRANSMISSION, F/O TELEPHONE, F/O CABLE TV
EI	96	DUKE POWER	1195971.33	1972979.40	ELECTRIC, EI-3,EI-I, TELEVISION, TV-I	40	14	WOOD	SPSK6 5-40 DISTRIBUTION & TRANSMISSION, F/O CABLE TV, CABLE TV DROP
EI	97	DUKE POWER	1195864.28	1973219.46	ELECTRIC, EI-3	40	14	WOOD	SPSK6 5-40 DISTRIBUTION & TRANSMISSION, ELECTRICAL DROP
EI	98	DUKE POWER	1195980.39	1973266.36	ELECTRIC, EI-3,EI-I, TELEVISION, TV-I, TELEPHONE, T-I	40	14	WOOD	SPSK6 5-40 DISTRIBUTION & TRANSMISSION, F/O TELEPHONE, F/O CABLE TV, ELECTRICAL DROP
EI	99	DUKE POWER	1195924.13	1973487.01	ELECTRIC, EI-3,EI-I, TELEVISION, TV-I, TELEPHONE, T-I	40	14	WOOD	SPSK6 5-40 DISTRIBUTION & TRANSMISSION, F/O TELEPHONE, F/O CABLE TV
EI	100	DUKE POWER	1195746.89	1973523.02		30	10	WOOD	SPSK6 6-30 , LIGHT
EI	101	DUKE POWER	1195644.19	1973521.59		30	10	WOOD	SPSK6 6-30 , LIGHT
EI	102	DUKE POWER	1195870.81	1973698.04	ELECTRIC, EI-3,EI-I, TELEVISION, TV-I, TELEPHONE, T-I	NONE FOUND	14	WOOD	DISTRIBUTION & TRANSMISSION, F/O TELEPHONE, F/O CABLE TV
EI	103	DUKE POWER	1195773.99	1973687.34	ELECTRIC, EI-I, TELEVISION TV-I	35	12	WOOD	SPSK 6-35 DISTRIBUTION, F/O CABLE TV, ELECTRICAL DROP
EI	104	DUKE POWER	1195526.56	1973666.15		35	12	WOOD	SPSK 6-35, ELECTRICAL DROP, LIGHT
EI	105	DUKE POWER	1195815.77	1973911.21	ELECTRIC, EI-3,EI-I, TELEVISION, TV-I, TELEPHONE, T-I	45	14	WOOD	SPSK 4-45 DISTRIBUTION & TRANSMISSION, F/O TELEPHONE, F/O CABLE TV
EI	106	DUKE POWER	1195775.23	1974067.89	ELECTRIC, EI-3,EI-I, TELEVISION, TV-I, TELEPHONE, T-I	60	14	WOOD	SPSK 3-60 DISTRIBUTION & TRANSMISSION, F/O TELEPHONE, F/O CABLE TV
EI	107	DUKE POWER	1195602.25	1974020.97	ELECTRIC, EI-3,EI-I	60	14	WOOD	SPSK 3-60 DISTRIBUTION & TRANSMISSION
EI	108	DUKE POWER	1195443.54	1973978.86	ELECTRIC, EI-3,EI-I	60	14	WOOD	SPSK 3-60 DISTRIBUTION & TRANSMISSION, ELECTRICAL DROP
EI	109	DUKE POWER	1195741.36	1974208.91	ELECTRIC, EI-3,EI-I, TELEVISION, TV-I, TELEPHONE, T-I	60	14	WOOD	SPSK 3-60 DISTRIBUTION & TRANSMISSION, F/O TELEPHONE, F/O CABLE TV, ELECTRICAL DROP
EI	110	DUKE POWER	1195734.51	1974235.57	ELECTRIC, EI-I, TRAFFIC CONTROL, TC-I	60	14	WOOD	SPSK 3-60 DISTRIBUTION & TRANSMISSION, F/O TELEPHONE, F/O CABLE TV, ELECTRICAL DROP
EI	111	SCDOT	1195728.90	1974241.24	TRAFFIC CONTROL, TC-I	NONE FOUND	14	CONCRETE	COPPER TRAFFIC CABLE
EI	112	SCDOT	1195644.38	1974213.77	TRAFFIC CONTROL, TC-I	NONE FOUND	14	CONCRETE	COPPER TRAFFIC CABLE
EI	113	SCDOT	1195679.73	1974090.72	TRAFFIC CONTROL, TC-I	NONE FOUND	14	CONCRETE	COPPER TRAFFIC CABLE
EI	114	SCDOT	1195759.32	1947412.37	TRAFFIC CONTROL, TC-I	NONE FOUND	14	CONCRETE	COPPER TRAFFIC CABLE
EI	115	DUKE POWER	1195704.86	1974347.64	ELECTRIC, EI-3,EI-I, TELEVISION, TV-I, TELEPHONE, T-I	45	14	WOOD	SPSK60 3-45 DISTRIBUTION & TRANSMISSION, F/O TELEPHONE, F/O CABLE TV
EI	116	DUKE POWER	1195610.79	1974267.22	ELECTRIC, EI-3,EI-I, TELEVISION, TV-I	45	14	WOOD	SPSK60 3-45 DISTRIBUTION & TRANSMISSION, F/O CABLE TV, ELECTRICAL DROP
EI	117	DUKE POWER	1195512.61	1974185.72	ELECTRIC, EI-3,EI-I, TELEVISION, TV-I	45	14	WOOD	SPSK60 3-45 DISTRIBUTION & TRANSMISSION, F/O CABLE TV, ELECTRICAL DROP, TRANSFORMER
EI	118	DUKE POWER	1196147.02	1963267.05	ELECTRIC, EI-3,EI-I, TELEVISION, TV-I	45	14	WOOD	SPSK6 3-45 DISTRIBUTION & TRANSMISSION, COPPER TELEPHONE
EI	119	DUKE POWER	1196310.66	1967266.69	ELECTRIC, EI-I	30	14	WOOD	SPSK6 6-30 DISTRIBUTION, LIGHT
EI	120	DUKE POWER	1196919.47	1969137.20	ELECTRIC, EI-I	30	12	WOOD	SPSK12 6-30 DISTRIBUTION, ELECTRICAL DROP
EI	121	DUKE POWER	1196915.68	1969149.08	ELECTRIC, EI-I	30	12	WOOD	SPSK12 6-30 DISTRIBUTION, LIGHT
EI	122	DUKE POWER	1196882.11	1970336.14	ELECTRIC, EI-I	30	12	WOOD	SPSK6 6-30 DISTRIBUTION, LIGHT
EI	123	DUKE POWER	1196854.14	1970371.08	ELECTRIC, EI-I	30	12	WOOD	SPSK6 6-30 DISTRIBUTION
EI	124	DUKE POWER	1195653.55	19974557.11	ELECTRIC, EI-3,EI-I, TELEVISION, TV-I, TELEPHONE, T-I	45	14	WOOD	SPSK60 3-45 DISTRIBUTION & TRANSMISSION, F/O TELEPHONE, F/O CABLE TV, ELECTRICAL DROP

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YORK COUNTY
PENNIET FOR PROGRESS

UTILITY POLE DATA SHEET

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	U-5	

* ALL INFORMATION SHALL BE REFERENCED TO THE PROJECT DATUM.

UTILITY DATA *

I.D. NO.	TYPE OF UTILITY	OWNER	CAPACITY/ SIZE	MATERIAL COMPOSITION	MISC. NOTES
UT1-25	TELEPHONE	AT&T	25 PAIR	COPPER	THERE IS 25PR LOCATED ON THE WEST SIDE OF KINGSBURRY RD FROM THE REPEATER TO THE PEDESTAL ON THE CORNER OF KINGSBURRY AND SC 557/ THERE IS ALSO 25PR LOCATED ON THE SOUTH SIDE OF SC 557 WEST OF KINGSBURRY RD THAT ENDS ON THE EAST SIDE OF KINGSBURRY/ THERE IS ALSO A 25PR BEGINNING APPROX 1900 FEET WEST OF OAKRIDGE RD THEN GOES UNDER SC 557 TO RUN ON THE NORTH SIDE OF SC 557 UNTIL STOPPING ON THE EAST SIDE OF OAKRIDGE RD
UT1-50	TELEPHONE	AT&T	50 PAIR	COPPER	THERE ARE 2 50PR ON THE NORTH SIDE OF SC 557 FROM WEST OF KINGSBURRY RD, THEN UNDER 557 AND RUNS ON THE SOUTH SIDE OF SC 557 TO THE END OF THE PROJECT JUST WEST OF SC 49 / THERE IS ALSO A 50PR THAT RUNS DOWN THE WEST SIDE OF RIDGE RD
UT1-54	TELEPHONE	AT&T	54 PAIR	COPPER	THERE IS A 54PR CABLE ON THE EAST SIDE OF BETHEL CHURCH RD IT GOES UNDER 557 AND THEN DOWN THE NORTH SIDE OF SC 557 AND CONTINUES EAST AND ENDS ON THE EAST SIDE OF OAKRIDGE RD
UT1-100	TELEPHONE	AT&T	100 PAIR	COPPER	THERE ARE 2 100PR ON THE SOUTH SIDE OF SC 557 FROM JUST EAST OF BETHEL SCHOOL RD TO JUST WEST OF THE BEGINNING OF THE BRIDGE OVER CROWDERS CREEK/ THERE IS ALSO 100PR ON THE WEST SIDE OF OAKRIDGE RD THEN GOES UNDER 557 AND RUNS ON THE SOUTH SIDE SC 557 UNTIL GLENN BRANDON RD
UT1-200	TELEPHONE	AT&T	200 PAIR	COPPER	THERE IS A 200PR COMING OFF THE EAST SIDE OF OAKRIDGE RD THEN UNDER SC 557 AND RUNS ON THE SOUTH SIDE OF SC 557 UNTIL ABOUT 1000 FEET EAST OF GLENN BRANDON RD/ THERE IS ALSO 200 PR APPROX. 2400 FEET FROM GLENN BRANDON RD THAT RUNS TO THE END OF THE PROJECT WEST OF SC 49
UT1-300	TELEPHONE	AT&T	300 PAIR	COPPER	THERE IS A 300PR CABLE LOCATED ON THE EAST SIDE OF KINGSBURRY RD THAT RUNS DOWN THE SOUTH SIDE OF SC 557 AND ENDS ON THE WEST SIDE OF BETHEL SCHOOL RD/ A 300PR CABLE ALSO RUNS FROM ALONG THE EAST SIDE OF BETHEL SCHOOL RD THEN DOWN THE SOUTH SIDE OF SC 557 UNTIL APPROX. 1900 FEET WEST OF OAKRIDGE RD
UT1-400	TELEPHONE	AT&T	400 PAIR	COPPER	THERE IS A 400PR CABLE THAT RUNS DOWN THE EAST SIDE OF RIDGE RD, TURNS EAST AND RUNS ALONG THE NORTH SIDE OF SC 557, AND ENDS AT A BOX ON THE EASTSIDE OF BETHEL CHURCH RD
UT1-600	TELEPHONE	AT&T	600 PAIR	COPPER	THERE IS A 600PR CABLE COMING FROM A CABINET ON OAKRIDGE RD TO THE SOUTH SIDE OF SC 557 THAT RUNS TO THE END OF THE PROJECT JUST WEST OF SC 49
UT1-SVC	TELEPHONE	AT&T	SERVICE	COPPER	THERE ARE VARIOUS TELEPHONE SERVICE DROPS LOCATED THROUGHOUT THE PROJECT LIMITS
UT1-F	TELEPHONE	VERIZON	FIBER	COPPER	THERE IS FIBER LOCATED ON THE EAST SIDE OF RIDE ROAD THAT CONTINUES ON THE NORTH SIDE OF SC 557 THEN GOES UNDER SC 557 TO RUN ON THE SOUTH SIDE OF SC 557 UNTIL THE OF THE PROJECT WEST OF SC 49
UW1-12DI	WATER	CAROLINA WATER SERVICES	12"	DUCTILE IRON PIPE	THERE IS A 12 IN DIP ON THE SOUTH SIDE OF SC 557 BEGINNING APPROX. 750 FEET WEST OF OAKRIDGE RD TO THE END OF THE PROJECT JUST WEST OF SC 49
UW2-12PV	WATER	TOWN OF CLOVER	12"	PVC	THERE IS A 12 IN PVC WATER MAIN ON THE SOUTH SIDE OF SC 557 BEGINNING WEST OF KINGSBURRY RD AND CONTINUING ON TO BETHEL CHURCH RD IT THEN GOES SOUTH ON THE WESTERN SIDE OF BETHEL CHURCH ROAD
UW2-8PV	WATER	TOWN OF CLOVER	8"	PVC	THERE IS A 8 IN PVC MAIN ON THE WEST SIDE OF RIDGE RD THAT IS FED BY THE 12 IN LOCATED ON SC 557
FSS1-3PV	SEWER FORCE MAIN	CAROLINA WATER SERVICES	3"	PVC	THERE IS A 3 IN PVC FORCE MAIN RUNNING DOWN THE NORTH SIDE OF SC 557 FROM APPROX. 1150 FEET WEST OF OAKRIDGE RD TO ABOUT 400 FEET WEST OF HARPERS GREEN DR WHERE IT INTERSECTS WITH A 6 IN PVC FORCE MAIN
FSS1-6PV	SEWER FORCE MAIN	CAROLINA WATER SERVICES	6"	PVC	THE 6 IN FORCE MAIN CONTINUES FROM WERE IT INTERSECTS WITH THE 3 IN FORCE MAIN TO THE END OF THE PROJECT WEST OF SC 49
FSS2-12PV	SEWER FORCE MAIN	TOWN OF CLOVER	12"	PVC	THERE IS A 12 IN FORCE MAIN ON THE NORTH SIDE OF SC 557 THAT BEGINS TO THE WEST OF KINGSBURRY RD THAT RUNS TOWARDS RIDGE RD . IT THEN CROSSES UNDER SC 577 JUST WEST OF RIDGE RD THEN TURNS TO THE EAST ON THE OTHER SIDE OF SC 557 UNTIL IT TURNS TO THE SOUTH AND ENTERS A PUMP STATION.
UG1-2P	NATURAL GAS	YORK COUNTY NATURAL GAS	2"	PLASTIC	THERE IS A 2 IN PLASTIC GAS MAIN LOCATED ON THE WEST SIDE OF RIDDLE MILL RD
UG1-4P	NATURAL GAS	YORK COUNTY NATURAL GAS	4"	PLASTIC	THERE IS A 4 IN PLASTIC GAS MAIN LOCATED ON THE WEST SIDE OF BETHEL CHURCH RD, ON THE WEST SIDE OF RIDGE RD, AND LOCATED ON THE EAST SIDE OF OAKRIDGE RD
UG1-4S	NATURAL GAS	YORK COUNTY NATURAL GAS	4"	STEEL	THERE IS A 4 IN STEEL GAS MAIN ON THE EAST SIDE OF KINGSBURRY RD
UG1-6S	NATURAL GAS	YORK COUNTY NATURAL GAS	6"	STEEL	THERE IS A 6 IN HIGH PRESSURE STEEL GAS DISTRIBUTION MAIN ON THE SOUTH SIDE OF SC 557 FROM THE BEGINNING OF THE PROJECT UNTIL JUST EAST OF CROWDERS CREEK WHERE IT GOES UNDER SC 557 AND THE CONTIUES ALONG THE NORTH SIDE OF SC 557 UNTIL THE END OF THE PROJECT/ THERE IS ALSO A 6IN STEEL GAS MAIN THAT INTERESECTS THE 4 IN STEEL GAS MAIN ON THE EAST SIDE OF KINGSBURRY RD
UG1-SVC	NATURAL GAS	YORK COUNTY NATURAL GAS	SERVICE		THERE ARE VARIOUS GAS MAINS LOCATED THROUGHOUT THE PROJECT LIMITS
UE1-3	ELECTRIC	DUKE ENERGY	SERVICE	DISTRIBUTION	THERE ARE VARIOUS 3 PHASE POWER LINES LOCATED THROUGHOUT THE PROJECT
UTV-1	TELEVISION	COMPORIUM TV	SERVICE	DISTRIBUTION	THERE IS COAX ON THE NORTH SIDE OF SC 557 BEGINNING ABOUT 2100 FEET EAST OF OAKRIDGE RD UNTIL GETTING TO OAKRIDGE ROAD WHERE IT CROSSES SC 557 AND RUNS ALONG THE SOUTH SIDE TO 500 FEET WEST OF HAPERS GREEN DR WHERE IT CROSSES UNDER SC 557 AND CONTINUES AS OVERHEAD TO THE END OF THE PROJECT WEST OF SC 49
UTV1-F	TELEVISION	COMPORIUM TV	FIBER	DISTRIBUTION	THERE IS FIBER ON THE NORTH SIDE OF SC 557 BEGINNING ABOUT 2100 FEET EAST OF OAKRIDGE RD UNTIL GETTING TO OAKRIDGE ROAD WHERE IT CROSSES SC 557 AND RUNS ALONG THE SOUTH SIDE AND CONTINUES AS OVERHEAD TO THE END OF THE PROJECT WEST OF SC 49
UTV1-SVC	TELEVISION	COMPORIUM TV	SERVICE	DISTRIBUTION	THERE ARE VARIOUS CABLE LINES LOCATED THROUGHOUT THE PROJECT
E1-1	ELECTRIC	DUKE ENERGY	1 PHASE	DISTRIBUTION	THERE ARE VARIOUS DISTRIBUTION LINES LOCATED THROUGHOUT THE PROJECT
E1-3	ELECTRIC	DUKE ENERGY	3 PHASE	DISTRIBUTION	THERE ARE VARIOUS DISTRIBUTION LINES LOCATED THROUGHOUT THE PROJECT
E1-12	ELECTRIC	DUKE ENERGY	---	DISTRIBUTION	THERE ARE VARIOUS DISTRIBUTION LINES LOCATED THROUGHOUT THE PROJECT
TV-1	---	---	---	---	---
TC-1	---	---	---	---	---

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YORK COUNTY
PENNIES FOR PROGRESS

UTILITY DATA SHEET



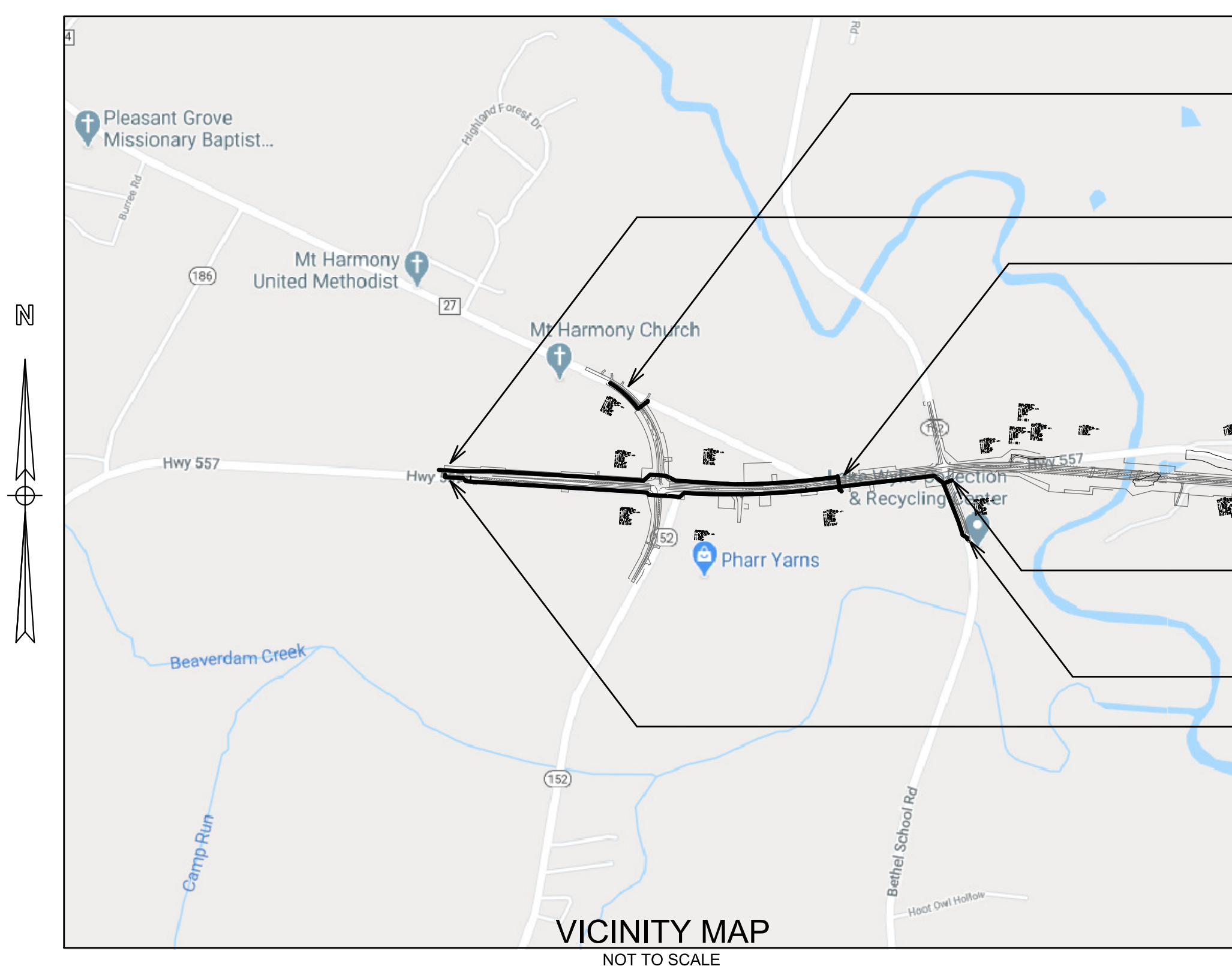
FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	UC-00	

UTILITY ENGINEERING FOR

YORK COUNTY PROJECT ID 0041800 YORK CO. PROJECT NO. 03020-013/11149-009 SC 557 ROADWAY IMPROVEMENT PROJECT

UTILITY OWNER INFORMATION

ELECTRIC DUKE ENERGY 6325 WILKINSON BLVD CHARLOTTE, NC 28214-3120 MIKE TROWER 704-382-0563	ELECTRIC DISTRIBUTION / QUANTITIES
TELEPHONE AT&T 100 BELTON DRIVE SPARTANBURG, SC 29301-4302 MARK PELWIN 864-573-4081	UTILITY TYPE / QUANTITIES UTILITY TYPE / QUANTITIES
TELEVISION COMPORIUM 421 LAKESHORE DRIVE ROCK HILL, SC 29730-4205 BILL GOLTZ 803-326-6082	COAXIAL CABLE/ QUANTITIES FIBER OPTIC / QUANTITIES
GAS YORK COUNTY NATURAL GAS 979 WEST MAIN STREET ROCK HILL, SC 29730-3938 CHRIS NOLEN 803-329-5255 EXT 5340	GAS DISTRIBUTION / QUANTITIES UTILITY TYPE / QUANTITIES
SANITARY SEWER TOWN OF CLOVER PUBLIC UTILITIES 116 BETHEL STREET CLOVER, SC 29710 MARK GEOUGE 803-222-9495	12" DIP FORCEMAIN / 3,250 LF
WATER TOWN OF CLOVER PUBLIC UTILITIES 116 BETHEL STREET CLOVER, SC 29710 MARK GEOUGE 803-222-9495	12" DIP WATERLINE / 4,653 LF 8" DIP WATERLINE / 431 LF
FIBER OPTIC VERIZON BUSINESS 4200 ATLANTIC AVE., SUITE 116 RALEIGH, NC 27604 ERIC CRANE 919-326-5604	UTILITY TYPE / QUANTITIES UTILITY TYPE / QUANTITIES



RIDGE ROAD WATERLINE EXT.
SEE SHEET UC-05

BEGIN FORCEMAIN
STA. 11+34.09
SEE SHEET UC-06
TIE TO EXISTING

END FORCEMAIN
STA. 43+84.50
SEE SHEET UC-08
TIE TO EXISTING

END 557 WATERLINE
STA. 52+40.80
SEE SHEET UC-03
TIE TO EXISTING

BETHEL SCHOOL ROAD WATERLINE EXT.
SEE SHEET UC-04

BEGIN 557 WATERLINE
STA. 10+50.60
SEE SHEET UC-01
TIE TO EXISTING

NOTE: ALL WORKMANSHIP ON THIS PROJECT IS TO CONFIRM WITH SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION), AND BOOK OF STANDARD DRAWINGS FOR ROAD CONSTRUCTION (LATEST PUBLISHED ENGLISH REVISION)

3 DAYS BEFORE DIGGING IN SOUTH CAROLINA
CALL 1-800-922-0983
PALMETTO UTILITY PROTECTION SERVICE

APPROXIMATE LOCATION OF ROADWAY
LONGITUDE: 35° 07' 13" N
LATITUDE: 81° 07' 57" W

UTILITY ENGINEERING FIRM

NIV5
NIV5 ENGINEERS & CONSULTANTS, INC.
448 LAKESHORE PARKWAY, SUITE 215
ROCK HILL, SC 29730
P: 803.376.8402 www.NIV5.com

UTILITY ENGINEERING FIRM
PROJECT ENGINEER

SIGNATURE DATE

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CERTIFICATION STATEMENT:
THESE PLANS WERE PREPARED AND CERTIFIED BY THE CONSULTANT FOR COMPLETENESS. NO REVIEWS OR SIGNATURES BY THE SCDOT ARE REQUIRED.

GENERAL NOTES

- THE CONTRACTOR IS EXPECTED TO CAREFULLY EXAMINE THE PLANS, PROPOSAL AND SITE OF THE WORK. THEREFORE, IT WILL BE ASSUMED THAT THE CONTRACTOR HAS SATISFIED HIMSELF AS TO THE CONDITIONS TO BE ENCOUNTERED IN REGARDS TO THE CHARACTER, QUALITY, AND QUANTITIES OF WORK TO BE PERFORMED AND MATERIALS TO BE FURNISHED, AND AS TO THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS, SPECIAL PROVISIONS AND CONTRACT. THE SUBMISSION OF A PROPOSAL BY A CONTRACTOR WILL BE CONSIDERED PRIMA FACIE EVIDENCE THAT THE CONTRACTOR HAS MADE SUCH AN EXAMINATION.
- THE CONTRACTOR IS REQUIRED TO MAINTAIN AN AS-BUILT SET OF DRAWINGS DURING PROJECT CONSTRUCTION. THE COMPLETE AS-BUILT MAP WILL CONTAIN ALL INSTALLED LINES, VALVES, METERS, AND CONNECTIONS WITH REFERENCE DISTANCES TO PERMANENT ABOVE GROUND STRUCTURES.
- ALL EXISTING UTILITIES SHOWN ABOVE AND BELOW GROUND ARE APPROXIMATE AND ARE NOT NECESSARILY ALL THAT EXIST. THE DETERMINATION OF THE EXISTENCE, LOCATION, AND DEPTH OF ALL UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED BY THE CONTRACTOR FOR ONE YEAR AFTER ACCEPTANCE BY THE OWNER.
- ALL HAZARDOUS SUBSTANCES USED FOR THIS PROJECT, INCLUDING, BUT NOT LIMITED TO, PAINT, OIL, GREASE, AND OTHER PETROLEUM PRODUCTS SHALL BE STORED IN ACCORDANCE WITH SPCC REGULATIONS. THESE SUBSTANCES SHALL BE STORED AWAY FROM STORM DRAINS, DITCHES, AND GUTTERS IN WATERTIGHT CONTAINERS. DISPOSAL OF THESE SUBSTANCES SHALL BE IN ACCORDANCE WITH STATE & FEDERAL AGENCY REGULATIONS. THE CONTRACTOR SHALL PROVIDE ADEQUATE TRASH CONTAINERS ON SITE FOR THE DISPOSAL OF CONSTRUCTION MATERIALS WASTE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING ANY TRASH OR OTHER POLLUTANTS FROM ENTERING STORM DRAINS.
- ANY PROPERTY CORNERS OR PERMANENT SURVEY MARKERS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BY A LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- ANY PAVEMENT OR CURBING DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED AND RESTORED TO LIKE OR BETTER CONDITION.
- SITE SECURITY AND EQUIPMENT STORAGE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND RESET FENCING TO ORIGINAL CONDITION WHERE REQUIRED AT NO ADDITIONAL COST.
- THE MAXIMUM LENGTH OF AREA DISTURBED BEFORE SOIL STABILIZATION TECHNIQUES WILL BE REQUIRED HAS BEEN SET TO 500 FT. ALL DISTURBED AREAS ALONG THE PIPELINE SHALL BE GRASSED AS SOON AS POSSIBLE AFTER BACKFILLING OPERATIONS HAVE BEEN COMPLETED.
- EXCAVATION AND BACKFILLING ACTIVITIES SHALL BE IN ACCORDANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) OF 1970 (PL 91-596), AS AMENDED, PARTICULAR ATTENTION SHALL BE PAID TO THE SAFETY AND HEALTH REGULATIONS PART 1926, SUBPART P "EXCAVATION, TRENCHING, AND SHORING" AS DESCRIBED IN OSHA PUBLICATION 2226.
- ALL DIMENSIONS, STATIONS, COORDINATES, ELEVATIONS, ETC. SHOWN ON THESE PLANS ARE IN FEET UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL REMOVE FROM THE SITE, AND DISPOSE OF LEGALLY, ANY AND ALL MATERIALS AND DEBRIS THAT RESULT FROM CONSTRUCTION OPERATIONS, INCLUDING BUT NOT LIMITED TO RESIDUAL CUT MATERIALS, AND DEMOLITION MATERIALS, AT NO ADDITIONAL COST TO THE OWNER.
- BURNING IS NOT PERMITTED.
- CLEARING AND GRUBBING LIMITS SHALL BE LIMITED TO AREAS DISTURBED BY GRADING OPERATIONS.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATING & PROTECTING OF EXISTING ABOVE AND BELOW GROUND UTILITIES AND STRUCTURES. ANY AND ALL MAINS, LINES OR INDIVIDUAL SERVICES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS ONSITE AND NOTIFY THE ENGINEER OF ANY DIMENSIONAL ERRORS, OMISSIONS OR DISCREPANCIES IN WRITING PRIOR TO BEGINNING WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING CONSTRUCTION STAKING FOR ALL IMPROVEMENTS. THE LOCATIONS OF ALL IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS.
- THE CONTRACTOR MUST ADJUST ALL VALVE BOXES, COVERS, METERS, FIRE HYDRANTS, AND OTHER WATER SERVICE APPURTENANCES, TO FINAL GRADE. THE COST OF THESE ADJUSTMENTS SHALL BE INCLUDED IN THE BID PRICE.
- WHERE NECESSARY THE CONTRACTOR IS RESPONSIBLE FOR PROPER PLACEMENT OF FILL MATERIAL PRIOR TO INSTALLATION OF PROPOSED UTILITIES.

SPECIAL DOT INSTALLATION IN RIGHT-OF-WAY NOTES

- A PORTION OF THE WORK IS TO BE PERFORMED WITHIN THE EXISTING SCDOT RIGHT-OF-WAY.
- THE CONTRACTOR IS NOT TO BEGIN CONSTRUCTION UNTIL A TRAFFIC CONTROL PLAN HAS BEEN SUBMITTED AND APPROVED BY THE YORK COUNTY MAINTENANCE OFFICE.
- THE CONTRACTOR SHOULD COORDINATE WITH OTHER UTILITIES IN THE AREA TO PREVENT CONFLICTS.
- MESSAGE BOARDS SHOULD BE PLACED 5-7 BUSINESS DAYS PRIOR TO STARTING CONSTRUCTION.
- TRAFFIC CONTROL IS TO BE INSTALLED AND MAINTAINED ACCORDING TO SCDOT STANDARDS.
- THE CONTRACTOR IS TO CONTINUALLY MONITOR ALL TRAFFIC CONTROL DEVICES.
- ALL WARNING SIGNS ARE TO MOVE IN CONJUNCTION WITH THE WORK AREA.
- WATER-FILLED BARRICADES ON THE END SHOULD BE ANGLES AND FILLED AT LEAST HALF WAY.
- WATER-FILLED BARRICADES SHOULD BE PLACED ON THE INSIDE OF THE WHITE LINE OF THE CLOSED LANE.
- LOCATE UTILITIES AND DRAINAGE IN THE PROJECT AREA PRIOR TO STARTING WORK.
- MINIMUM DEPTH OF 48" UNDER THE ROAD AND 36" BELOW THE DITCH LINE.
- MINIMUM 2' HORIZONTAL OFFSET FROM ANY DRAINAGE STRUCTURE.
- NOTIFY YORK COUNTY MAINTENANCE OFFICE AT LEAST 48 HOURS PRIOR TO PAVING.
- NO OPEN EXCAVATION LEFT ALONG ROAD.
- VALVES SHOULD CONFORM TO THE ELEVATION OF THE FINISHED RIDING SURFACE.
- EQUIPMENT AND MATERIALS SHOULD BE PLACED IN SUCH A MANNER THAT SIGHT DISTANCE IS NOT IMPEDED.
- RESTORE ANY DAMAGED OR REMOVED PAVEMENT MARKINGS PER SCDOT STANDARDS.
- SECURE ALL MATERIALS TO AVOID UNWANTED MOVEMENT.
- REMOVE ALL DEBRIS (MUD, ROCK, ETC.) FROM THE ROAD AND SHOULDER IMMEDIATELY.
- ALL DEBRIS SHOULD BE REMOVED AND DISPOSED OF PROPERLY OFF RIGHT-OF-WAY.
- RESTORE AND RESEED SHOULDER TO ENSURE POSITIVE DRAINAGE AND FINAL STABILIZATION.
- FAILURE TO COMPLY WITH THESE REQUIREMENTS WILL RESULT IN A STOP WORK ORDER UNTIL THESE ISSUES ARE IN COMPLIANCE.

GRAPHICS LEGEND

SECTION INDICATOR

ENLARGED PLAN/DETAIL INDICATOR

DRAWING TITLE

EXISTING LEGEND

EXISTING 100 YEAR FLOOD PLAIN	----
EXISTING AIR LINE: BURIED	---AIR---
EXISTING BORE HOLE	⊗
EXISTING CENTERLINE	----
EXISTING CONCRETE MONUMENT	⊠
EXISTING CONTOUR- GRADE	---123---
EXISTING DITCH AND/OR CREEK	-----
EXISTING ELECTRICAL: BURIED	---BE---
EXISTING ELECTRICAL LINE: OVERHEAD	---OE---
EXISTING FENCE LINE	---X---
EXISTING FIBER OPTIC: BURIED	---BFO---
EXISTING FITTINGS	⊕ ⊖ ⊗ ⊘
EXISTING FIRE HYDRANT	⊕
EXISTING FLUSH HYDRANT	⊕
EXISTING GAS MAIN	---GM---
EXISTING GAS METER	⊕
EXISTING GAS REGULATOR	⊕
EXISTING GAS VALVE	⊗
EXISTING GRATE INLET	⊕
EXISTING GUY WIRE	⊕
EXISTING IRON PIN	⊕
EXISTING LIGHT POLE	⊕
EXISTING MANHOLE	⊕
EXISTING NAIL SET	⊕
EXISTING PIPING	----
EXISTING POWER BOX	⊕
EXISTING POWER POLE	⊕
EXISTING PROPERTY LINE	----
EXISTING RAIL ROAD TRACKS	+++++
EXISTING REDUCER	▶
EXISTING RIGHT OF WAY	----
EXISTING SANITARY SEWER FORCE MAIN	---FM---
EXISTING SANITARY SEWER MAIN	---SS---
EXISTING SIGN	⊕
EXISTING STORM SEWER DRAIN LINE	---STM---
EXISTING TBM (BENCH MARK)	⊕
EXISTING TELEPHONE: BURIED	---BT---
EXISTING TELEPHONE PEDESTAL	⊕
EXISTING TREE LINE	~~~~~
EXISTING TREE LINE TO BE REMOVED	~~~~~
EXISTING WATER MAIN	---W---
EXISTING WATER METER	⊕
EXISTING WATER VALVE	⊕
EXISTING WELL	⊕
EXISTING WETLANDS BOUNDARY	----

PROPOSED LEGEND

PROPOSED AIR RELEASE VALVE	⊕
PROPOSED BLOWOFF	⊕
PROPOSED BORE CROSSING	▨
PROPOSED BUFFER	----
PROPOSED CONTOUR- GRADE	---123---
PROPOSED EASEMENT	----
PROPOSED TEMPORARY CONSTRUCTION EASEMENT	----
PROPOSED FENCE LINE	---X---
PROPOSED FIRE HYDRANT ASSEMBLY	⊕
PROPOSED FITTINGS	⊕ ⊖ ⊗ ⊘
PROPOSED FLUSH HYDRANT	⊕
PROPOSED FORCEMAIN	---
PROPOSED GAS MAIN: BURIED	---GM---
PROPOSED GAS METER	⊕
PROPOSED GAS REGULATOR	⊕
PROPOSED GAS VALVE	⊗
PROPOSED GRAVITY SEWER W/ MANHOLE	⊕
PROPOSED OPEN/CUT PAVEMENT PATCH	▨
PROPOSED REDUCER	▶
PROPOSED SEDIMENT TUBE	⊕
PROPOSED SILT FENCE	---XX---
PROPOSED TAPPING SLEEVE & VALVE	⊕
PROPOSED TREE LINE	~~~~~
PROPOSED TRENCH PLUG	⊕
PROPOSED WATER METER	⊕
PROPOSED WATER VALVE	⊕

ABBREVIATIONS

ASP	ASPHALT
AR	AUGER REFUSAL
ARV	AIR RELEASE VALVE
BF	BLIND FLANGE
BFV	BUTTERFLY VALVE
BO	BLOWOFF
BT	BORING TERMINATION
CL	CENTERLINE
CIP	CAST IN PLACE
CO	CLEANOUT
CMP	CORRUGATED METAL PIPE
CPP	CORRUGATED PLASTIC PIPE
DI	DUCTILE IRON
EG	EXISTING GRADE
EL	ELEVATION
EX.	EXISTING
FM	FORCE MAIN
HDPE	HIGH DENSITY POLYETHYLENE
HYD	HYDRANT
INV	INVERT
LF	LINEAR FEET
MIN.	MINIMUM
MJ	MECHANICAL JOINT
PC	PRESSURE CLASS
PP	POWER POLE
PROP	PROPOSED
PRV	PRESSURE REGULATING VALVE
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RJ	RESTRAINED JOINT
RW	RIGHT-OF-WAY
SS	SANITARY SEWER
VAR.	VARIOUS
WT	WATERTIGHT

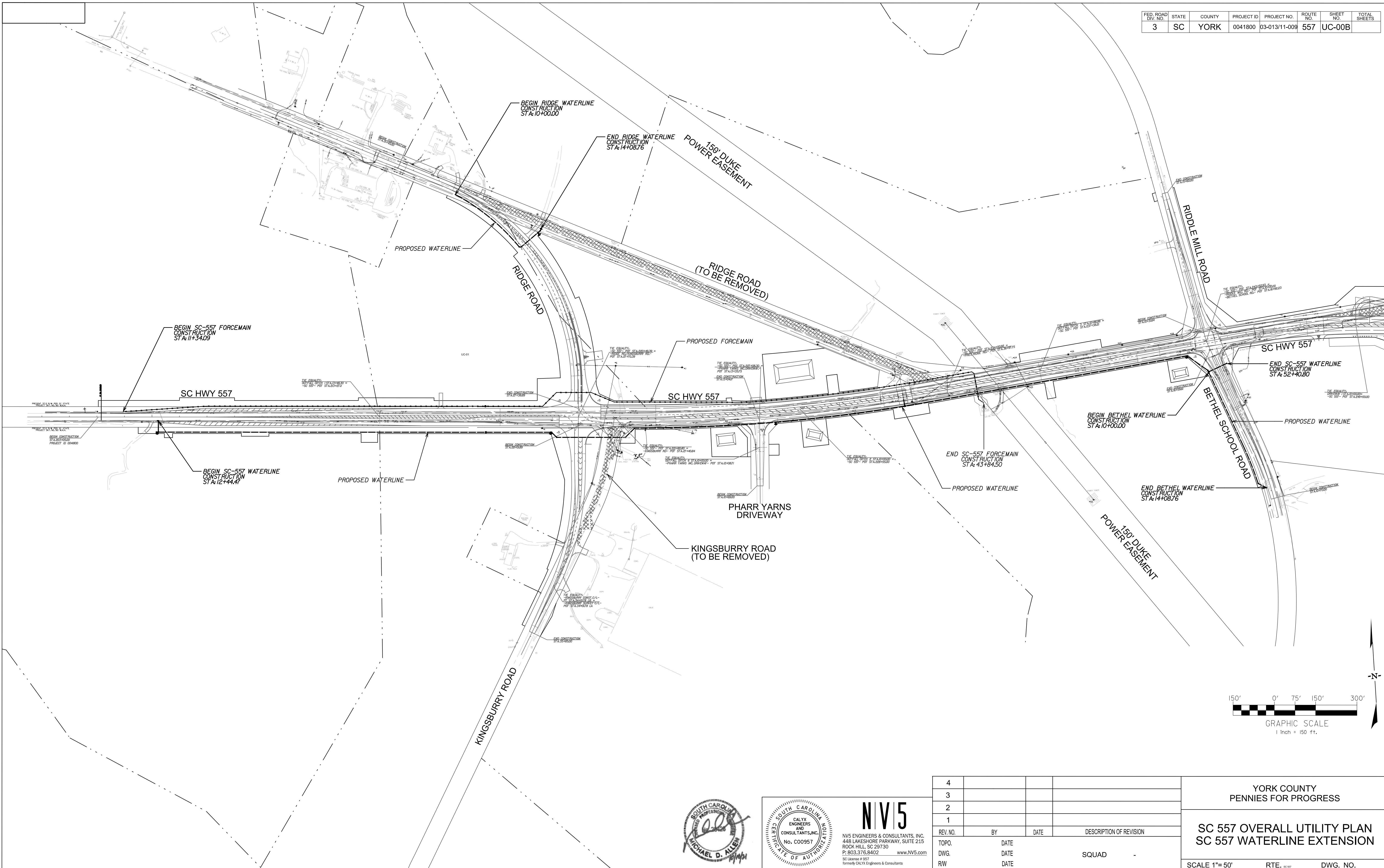
HATCHING LEGEND

DESCRIPTION	EXISTING	PROPOSED
ASPHALT PAVING (PLAN)	▨	▨
RIP RAP	▨	▨
CONCRETE (PLAN)	▨	▨
CONCRETE (SECTION)	▨	▨
CRUSHED STONE (SECTION)	▨	▨
EARTH OR BACKFILL (SECTION)	▨	▨
REMOVAL OR DEMOLITION (PLAN & SECTION)	▨	▨
UNPAVED DRIVE (PLAN)	▨	▨
WETLANDS	▨	▨
100-YR FLOOD PLAIN	▨	▨
PERMANENT ACCESS EASEMENT	▨	▨
GEOTECHNICAL MATTING MATERIAL	▨	▨

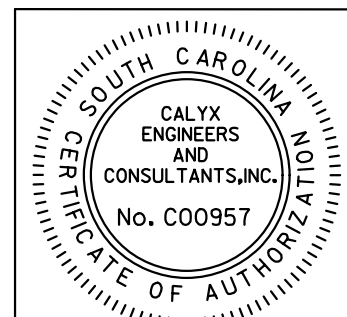
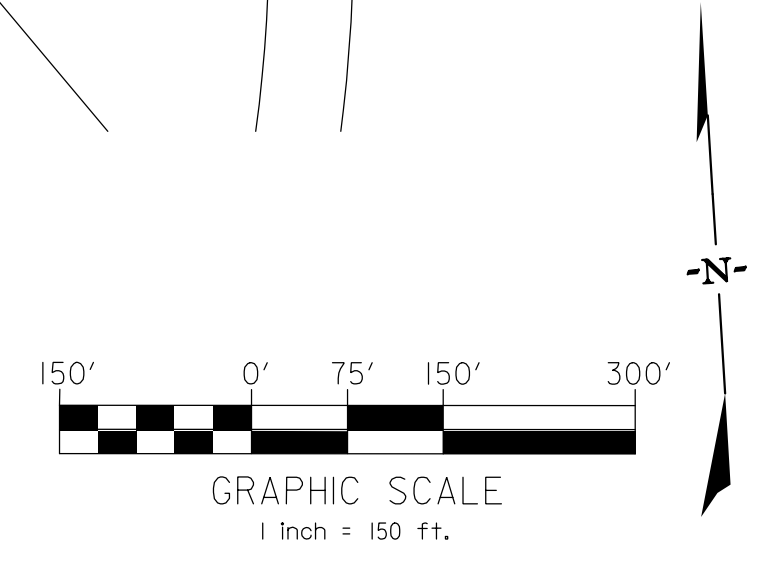
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3	SC	YORK	0041800	03-013/11-008	557	UC-00B	



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YORK COUNTY
 PENNIES FOR PROGRESS

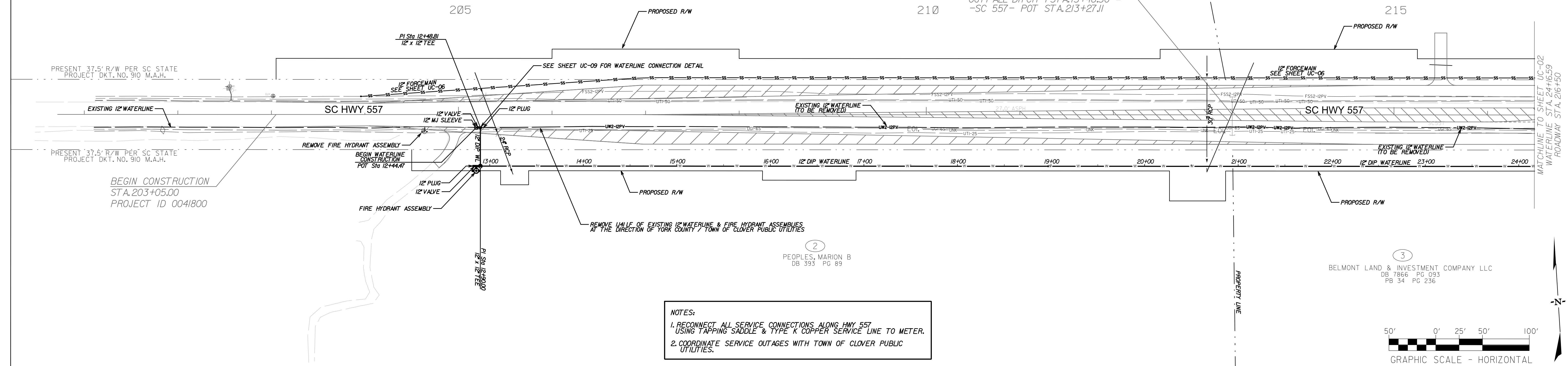
**SC 557 OVERALL UTILITY PLAN
 SC 557 WATERLINE EXTENSION**

SCALE 1"= 50' RTE. 557 DWG. NO.

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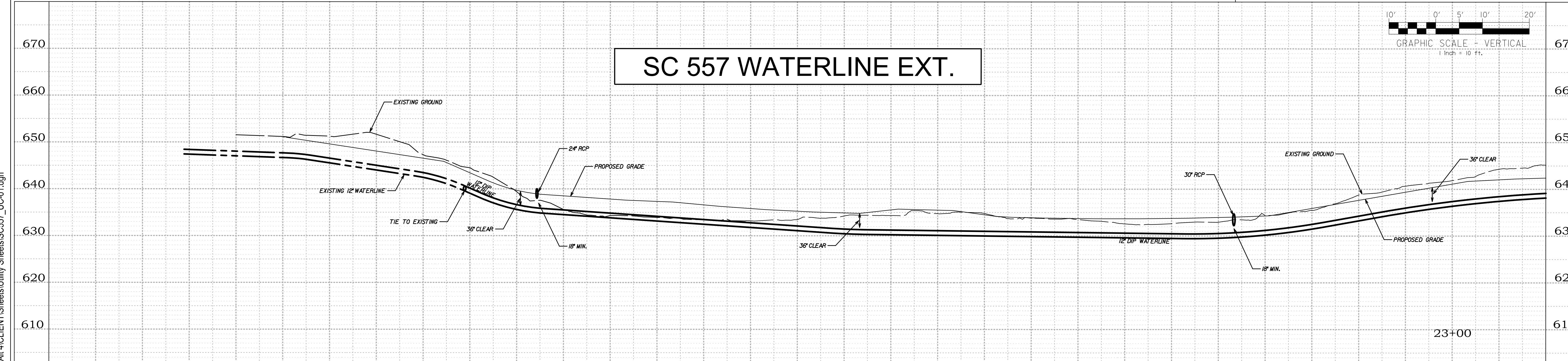
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MARTIN, LINDA & WILLIAM P. CO. TRUSTEES
DB 5542 PG 256
PB C046 PG 9

③
BELMONT LAND & INVESTMENT
DB 7866 PG 093
PB 34 PG 236

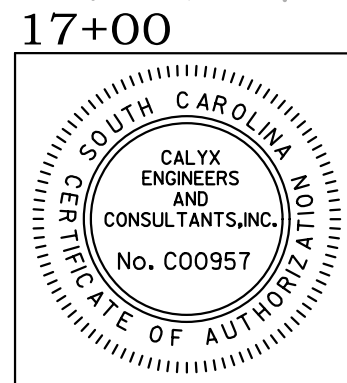


NOTES:
1. RECONNECT ALL SERVICE CONNECTIONS ALONG HWY 557 USING TAPPING SADDLE & TYPE K COPPER SERVICE LINE TO METER.
2. COORDINATE SERVICE OUTAGES WITH TOWN OF CLOVER PUBLIC UTILITIES.

SC 557 WATERLINE EXT.



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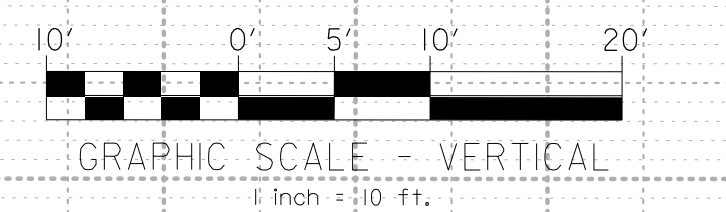
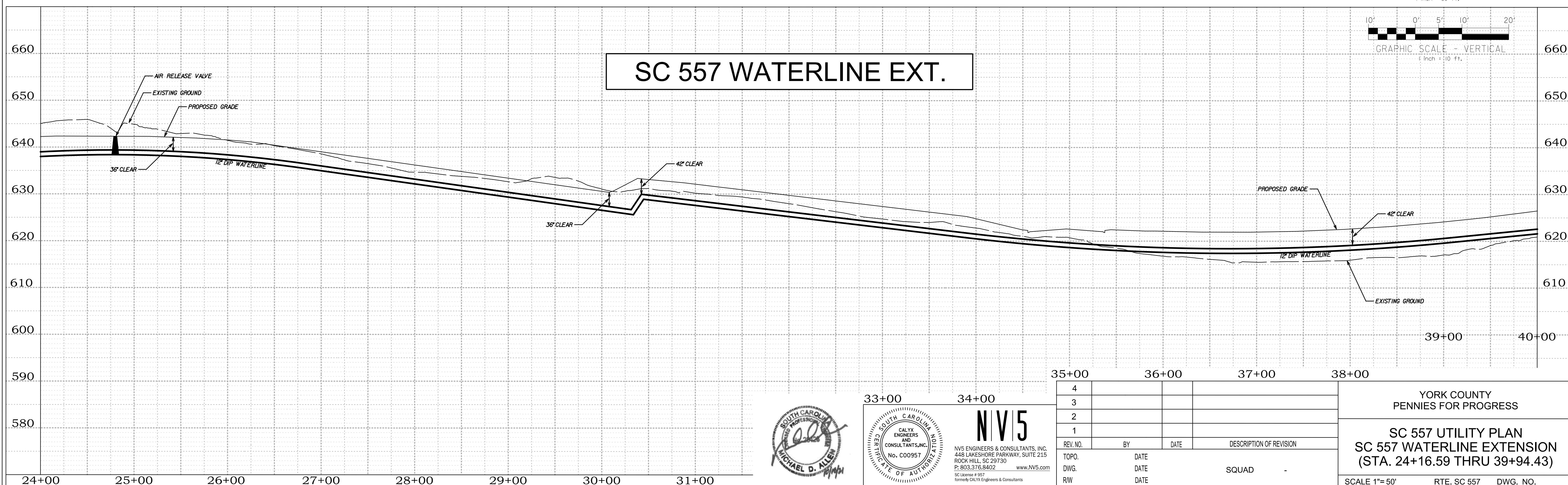
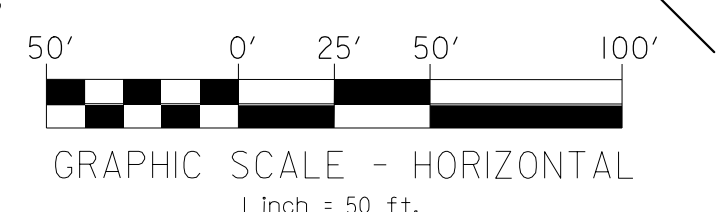
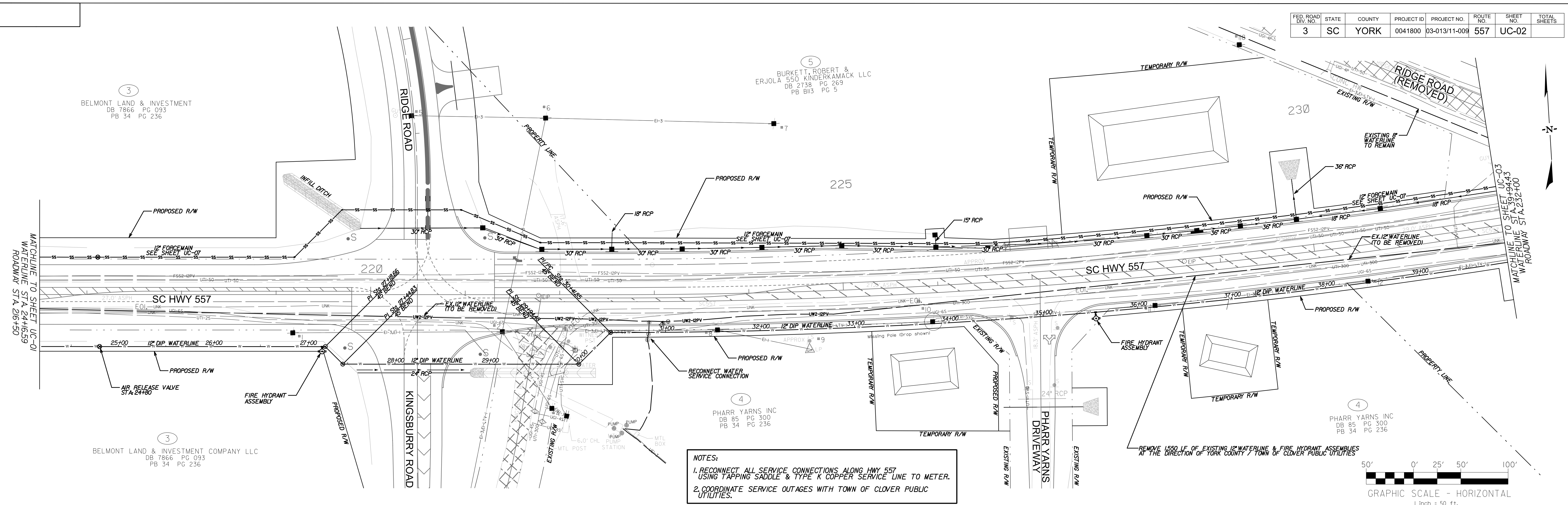
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YORK COUNTY
PENNIES FOR PROGRESS

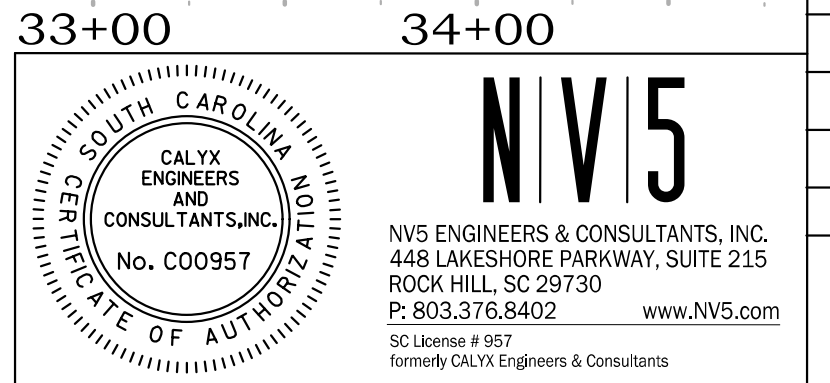
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SC 557 WATERLINE EXTENSION
(STA. 10+00 THRU 24+16.59)**

SCALE 1"=50' RTE. SC 557 DWG. NO.

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-008	557	UC-02	



SC 557 WATERLINE EXT.



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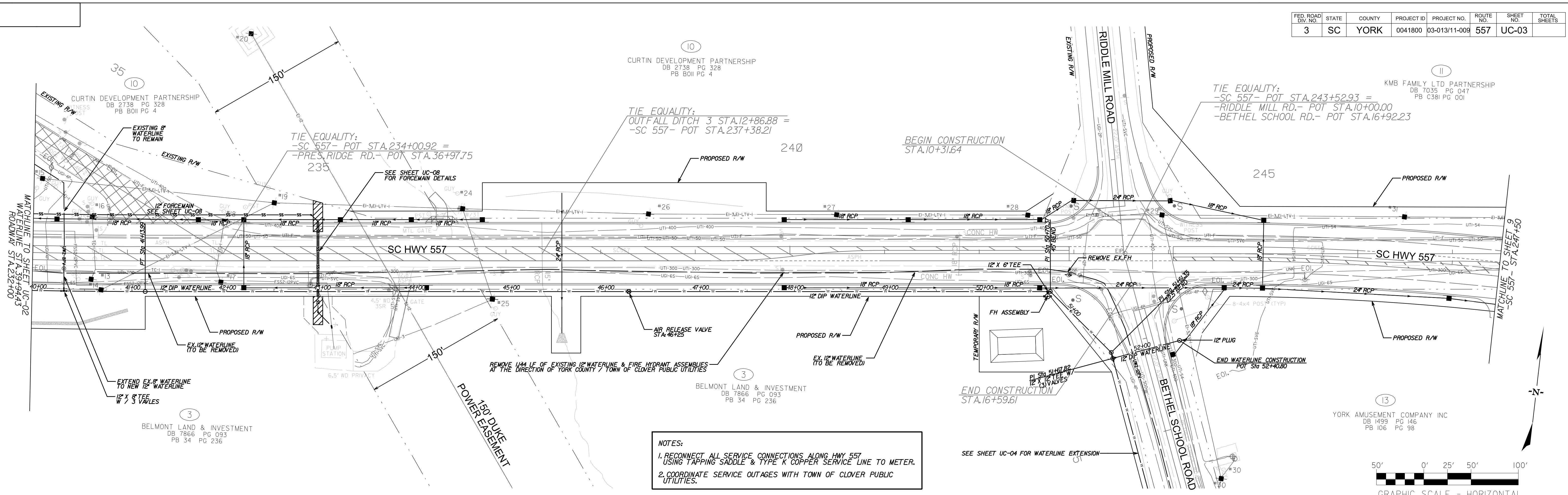
YORK COUNTY
PENNIES FOR PROGRESS

SC 557 UTILITY PLAN
SC 557 WATERLINE EXTENSION
(STA. 24+16.59 THRU 39+94.43)

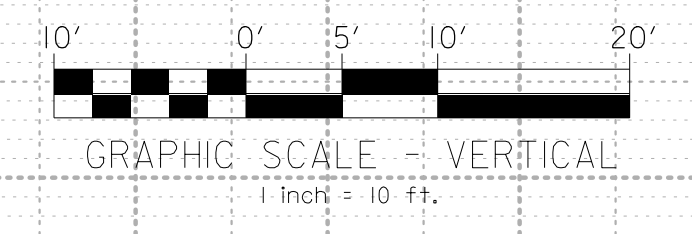
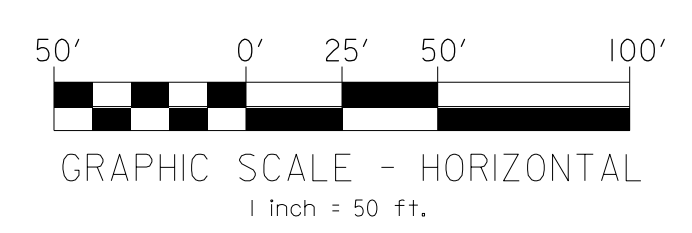
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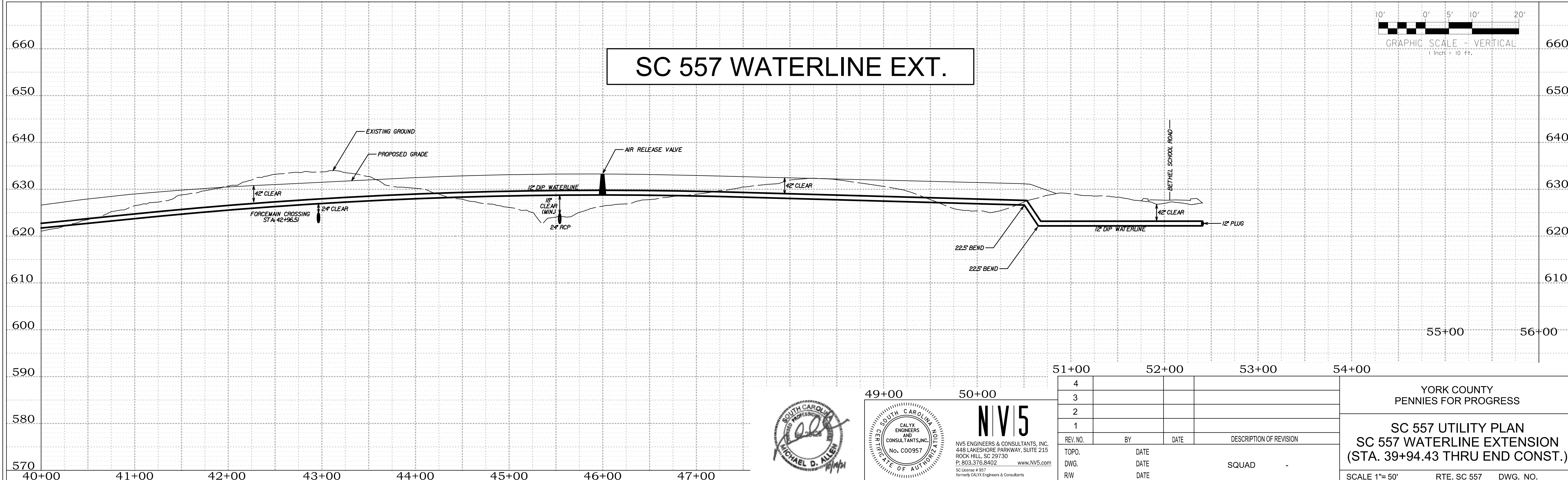
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3	SC	YORK	0041800	03-013/11-009	557	UC-03	



NOTES:
 1. RECONNECT ALL SERVICE CONNECTIONS ALONG HWY 557 USING TAPPING SADDLE & TYPE K COPPER SERVICE LINE TO METER.
 2. COORDINATE SERVICE OUTAGES WITH TOWN OF CLOVER PUBLIC UTILITIES.



SC 557 WATERLINE EXT.

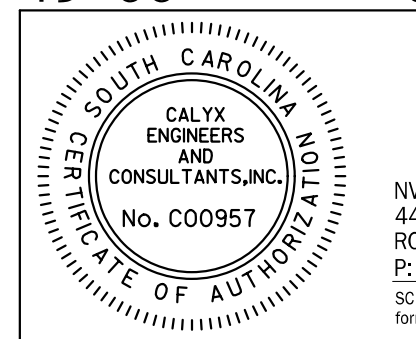


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YORK COUNTY
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SC 557 UTILITY PLAN
SC 557 WATERLINE EXTENSION
 (STA. 39+94.43 THRU END CONST.)

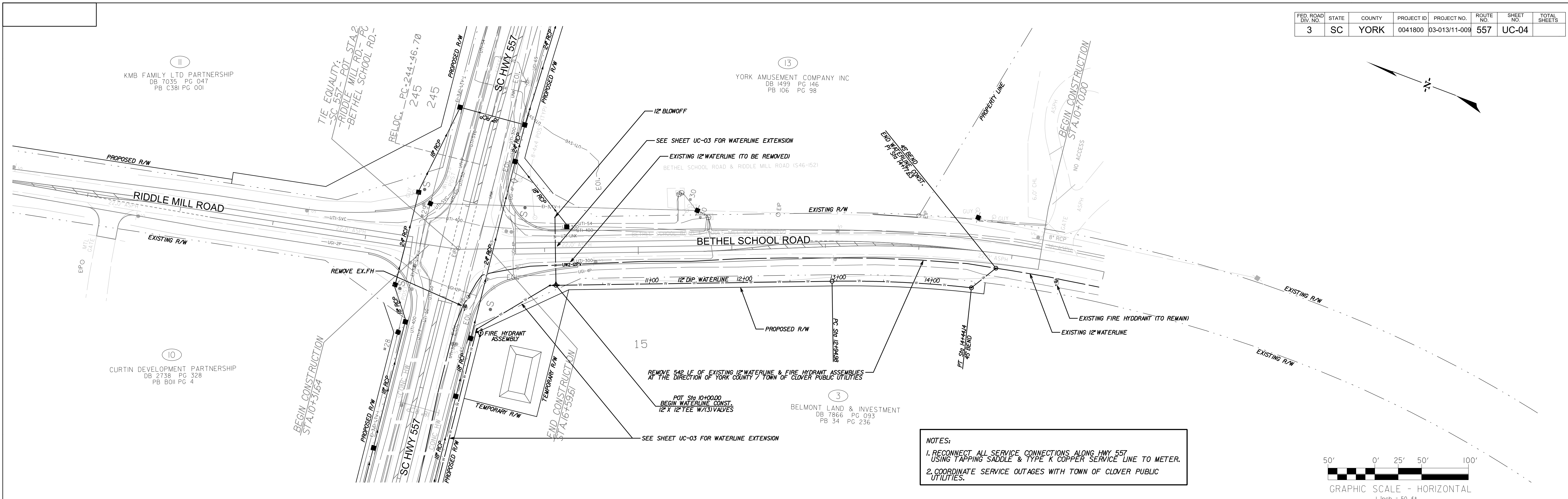
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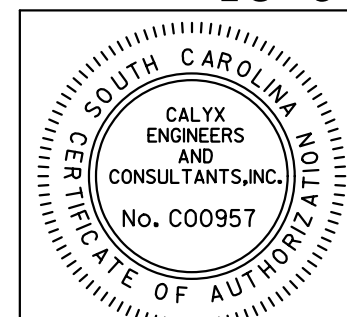
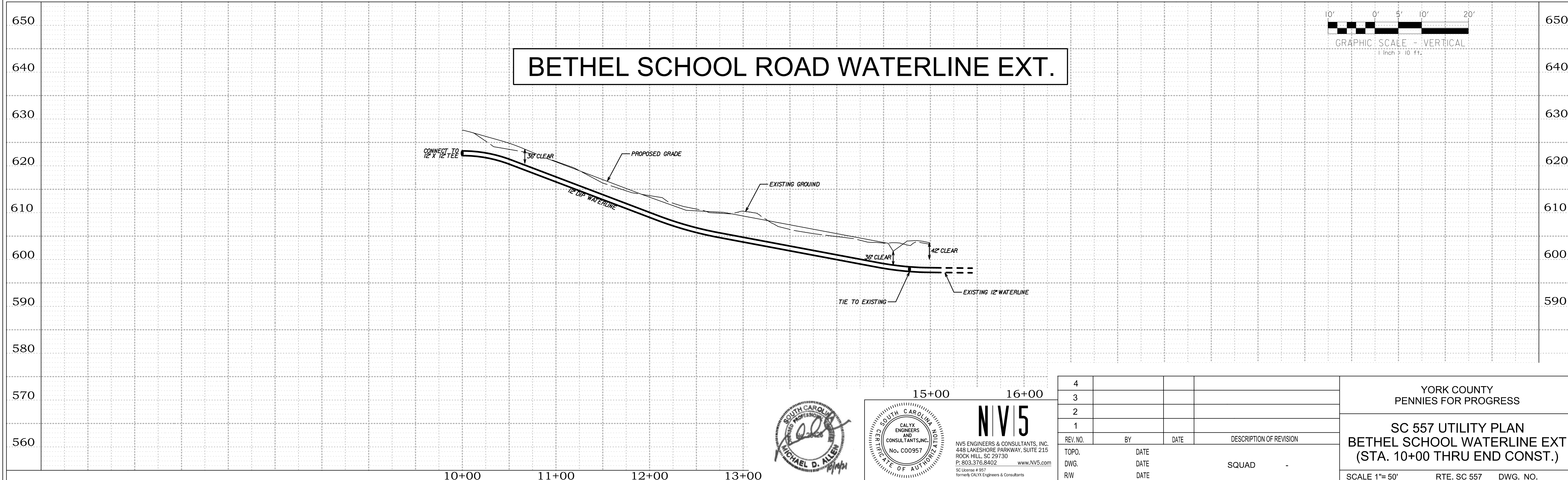
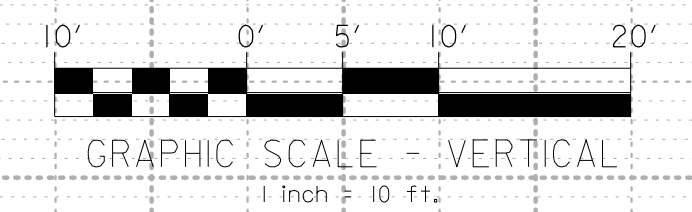
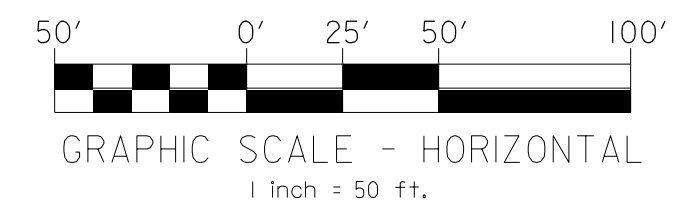
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3	SC	YORK	0041800	03-013/11-009	557	UC-04	



NOTES:
 1. RECONNECT ALL SERVICE CONNECTIONS ALONG HWY 557 USING TAPPING SADDLE & TYPE K COPPER SERVICE LINE TO METER.
 2. COORDINATE SERVICE OUTAGES WITH TOWN OF CLOVER PUBLIC UTILITIES.



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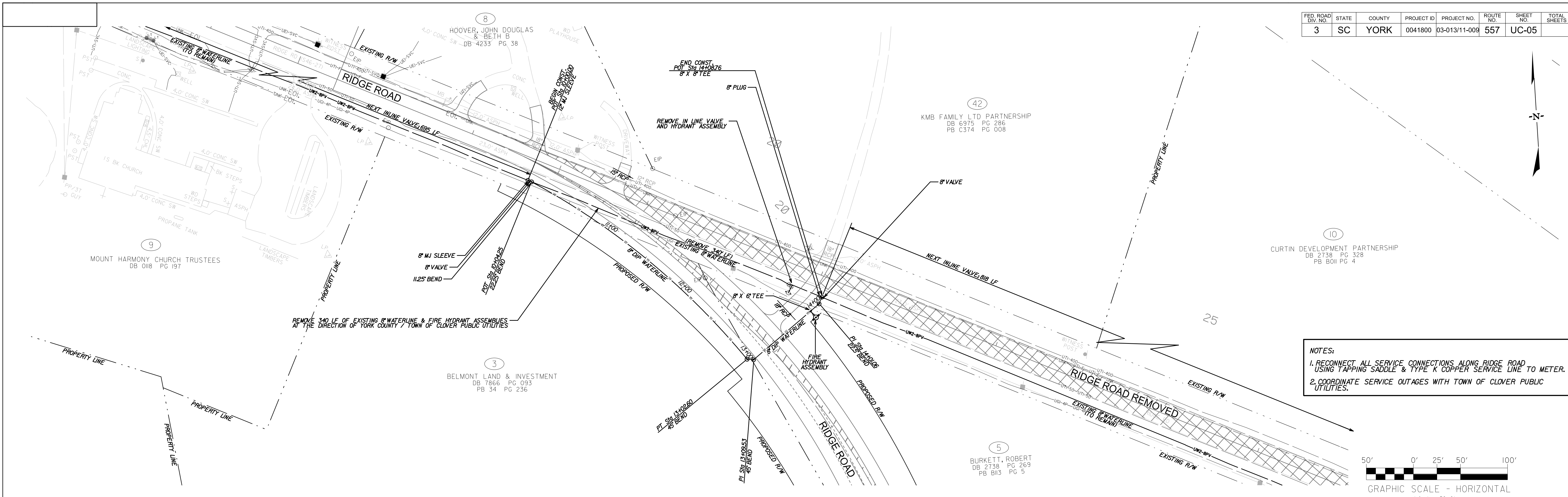
YORK COUNTY
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**SC 557 UTILITY PLAN
 BETHEL SCHOOL WATERLINE EXT
 (STA. 10+00 THRU END CONST.)**

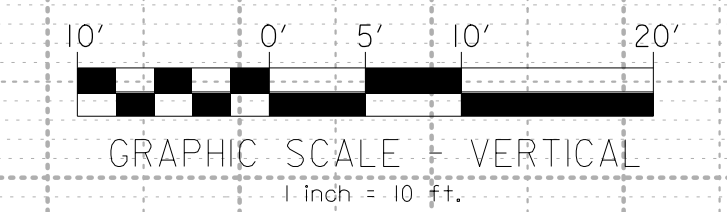
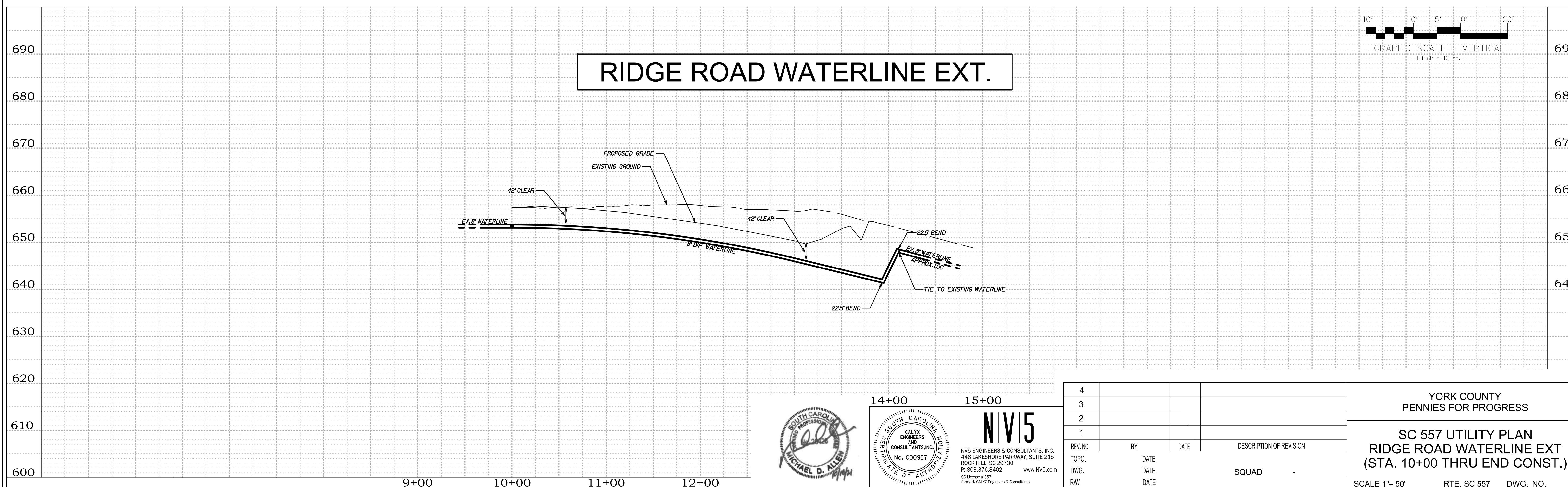
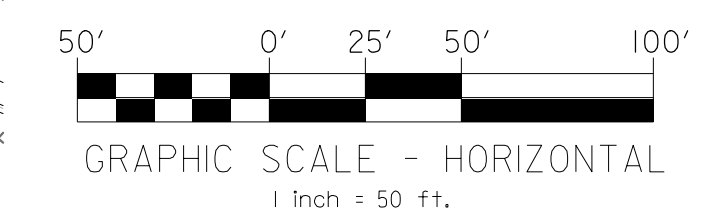
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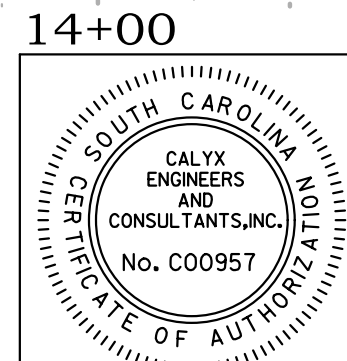
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3	SC	YORK	0041800	03-013/11-008	557	UC-05	



NOTES:
 1. RECONNECT ALL SERVICE CONNECTIONS ALONG RIDGE ROAD USING TAPPING SADDLE & TYPE K COPPER SERVICE LINE TO METER.
 2. COORDINATE SERVICE OUTAGES WITH TOWN OF CLOVER PUBLIC UTILITIES.



RIDGE ROAD WATERLINE EXT.



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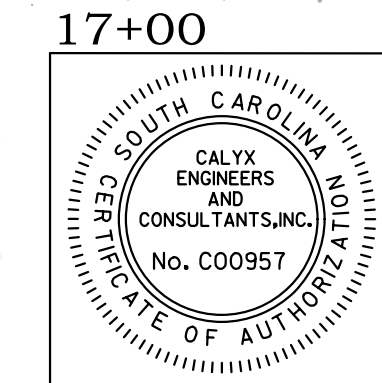
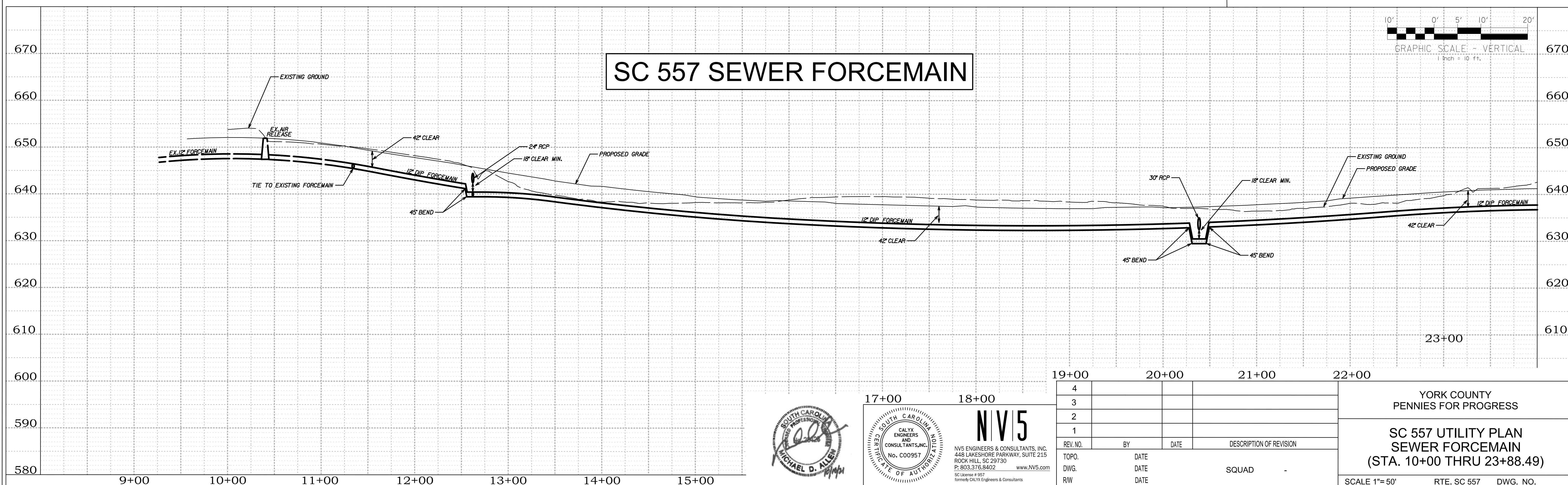
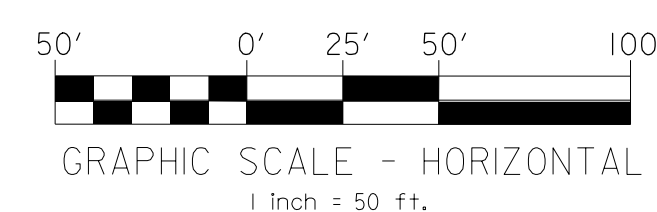
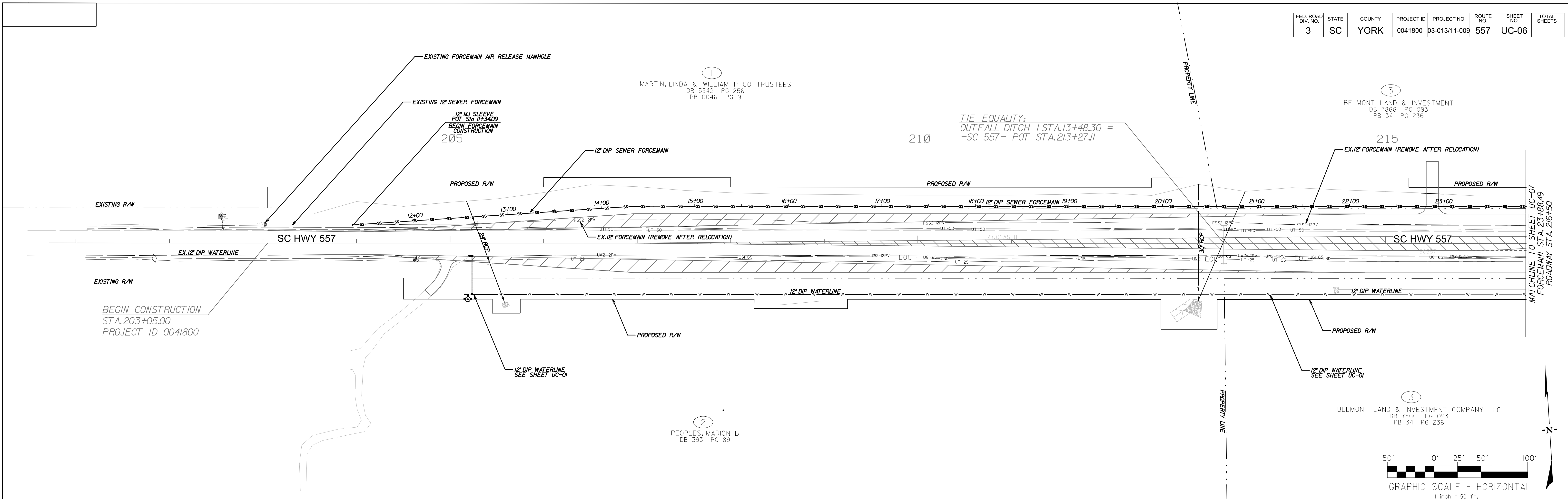
YORK COUNTY
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**SC 557 UTILITY PLAN
 RIDGE ROAD WATERLINE EXT
 (STA. 10+00 THRU END CONST.)**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

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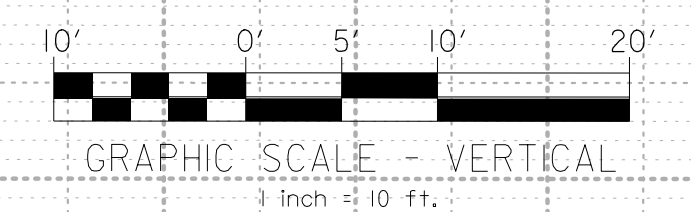
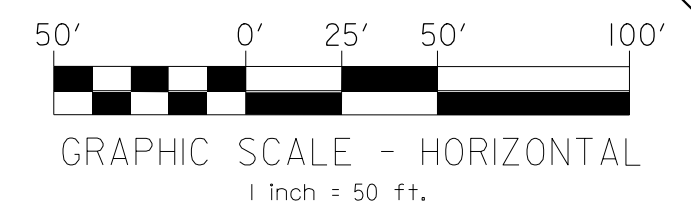
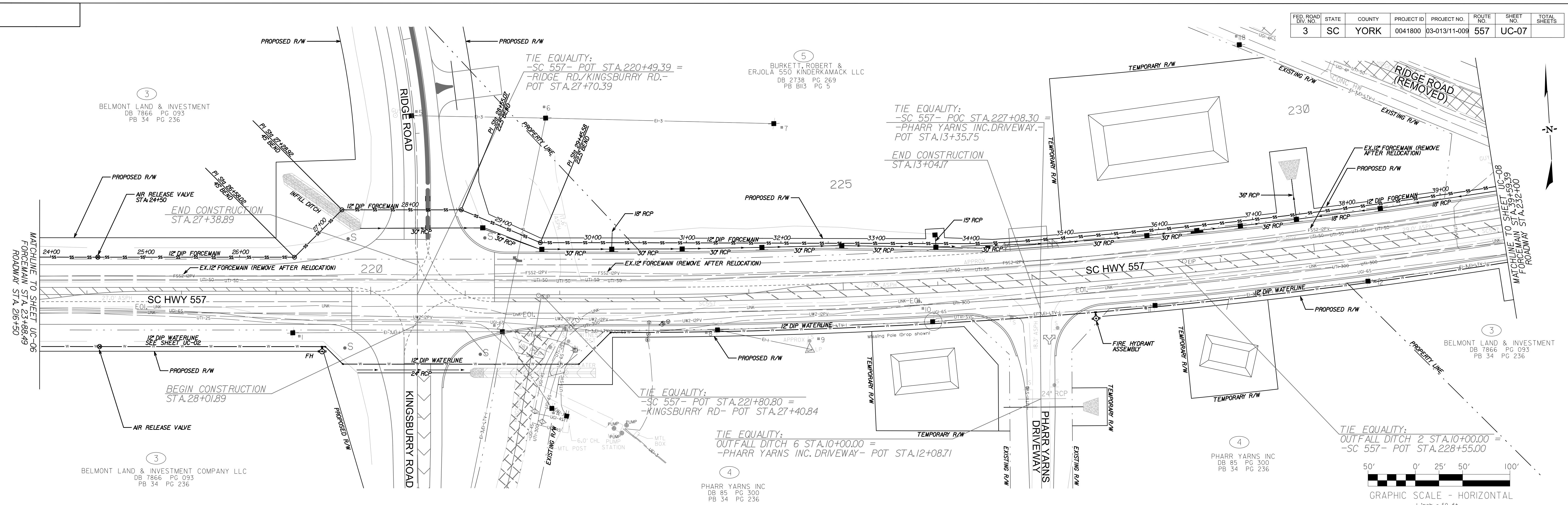
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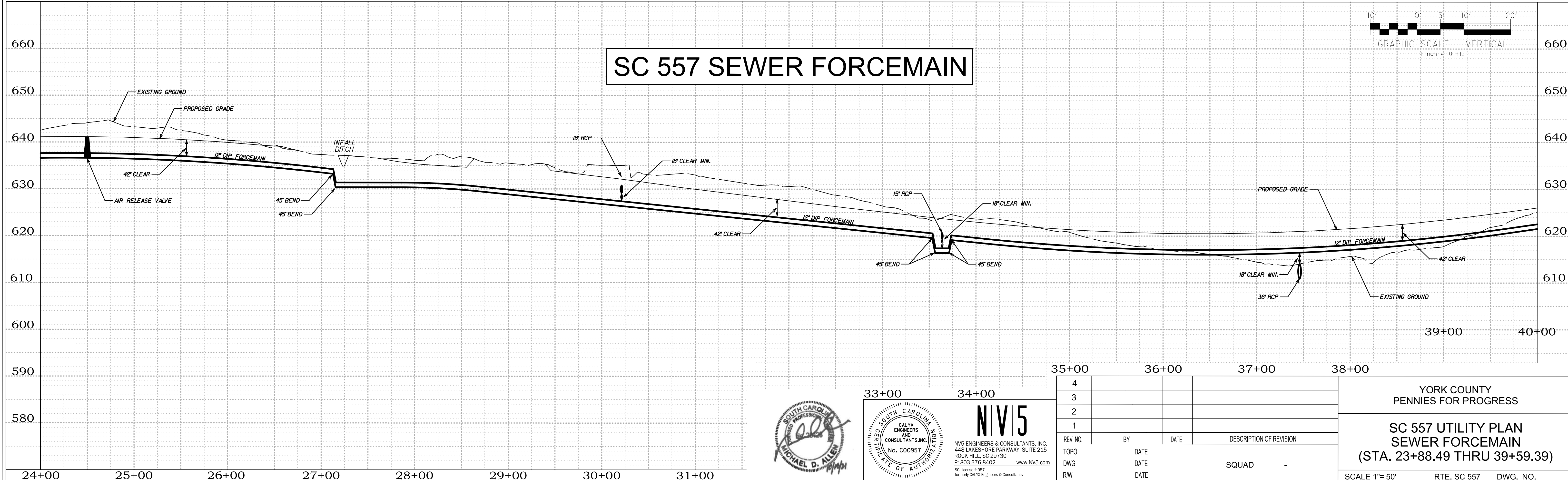
YORK COUNTY
 PENNIES FOR PROGRESS
 SC 557 UTILITY PLAN
 SEWER FORCEMAIN
 (STA. 10+00 THRU 23+88.49)
 SCALE 1"= 50' RTE. SC 557 DWG. NO.

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3	SC	YORK	0041800	03-013/11-008	557	UC-07	



SC 557 SEWER FORCEMAIN

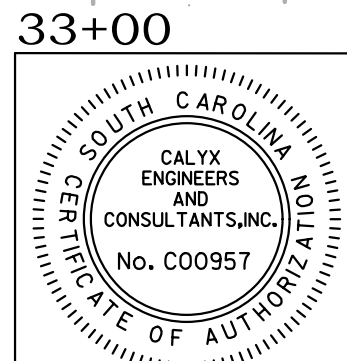


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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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DWG.		DATE	
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YORK COUNTY
 PENNIES FOR PROGRESS

**SC 557 UTILITY PLAN
 SEWER FORCEMAIN
 (STA. 23+88.49 THRU 39+59.39)**

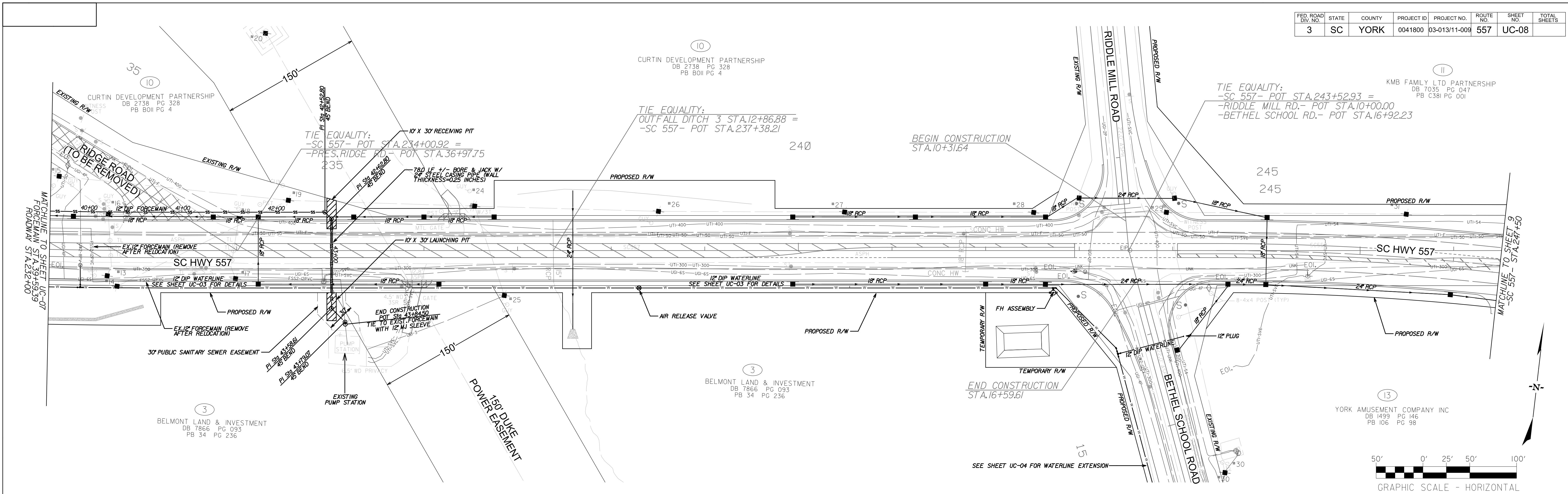
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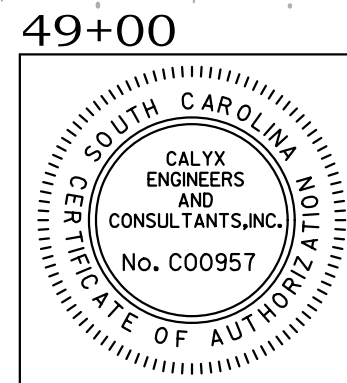
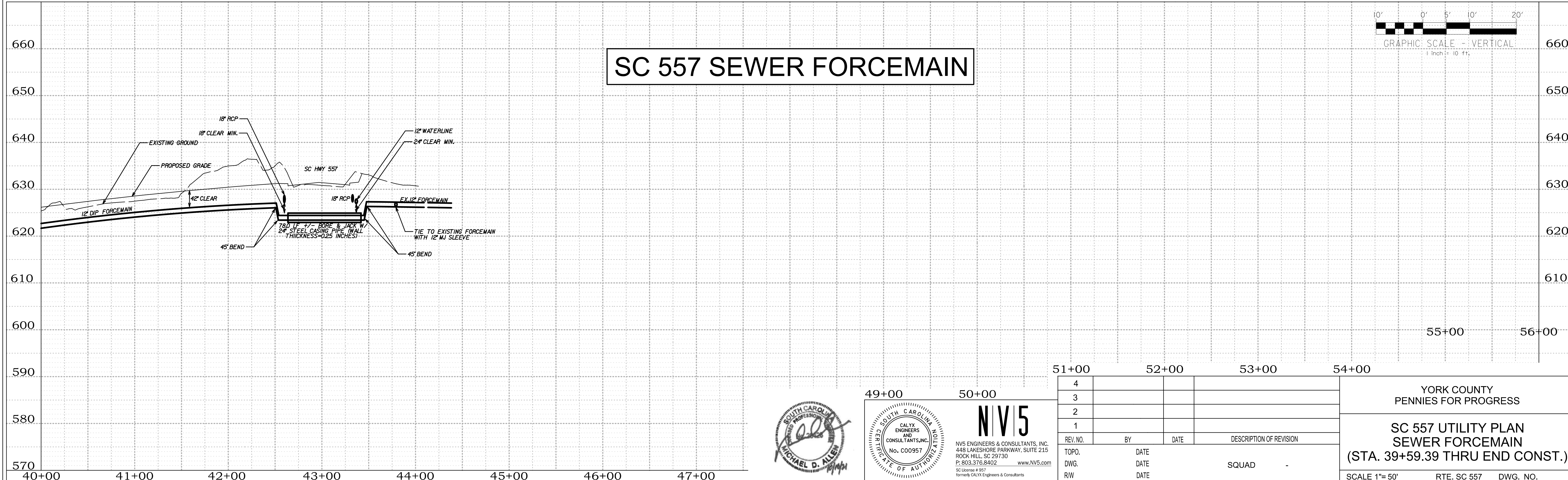
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FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	UC-08	



SC 557 SEWER FORCEMAIN



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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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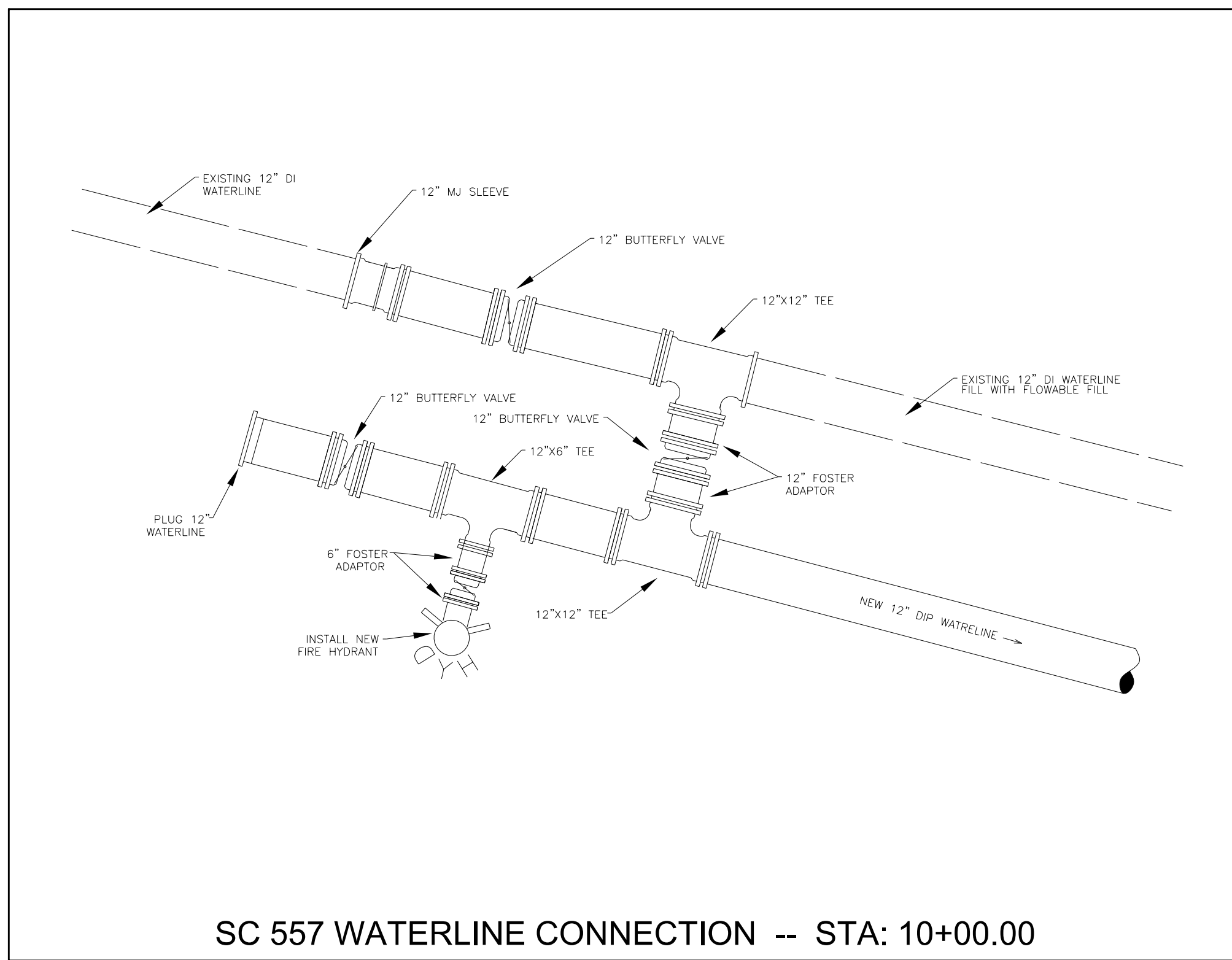
YORK COUNTY
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**SC 557 UTILITY PLAN
 SEWER FORCEMAIN
 (STA. 39+59.39 THRU END CONST.)**

SCALE 1"=50' RTE. SC 557 DWG. NO.

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FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	SC	YORK	0041800	03-013/11-009	557	UC-09	



1. SEWER AND WATER SYSTEMS ARE TO BE CONSTRUCTED IN GENERAL ACCORDANCE WITH ALL YORK COUNTY AND SCDHEC REGULATIONS, REFERENCE SEWER AND WATER STANDARDS AND PROJECT SPECIFICATIONS.

2. SEWER AND WATER CONSTRUCTION ON THIS SITE IS AUTHORIZED BY PERMITS ISSUED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC). THE WORK IS SUBJECT TO INSPECTION AT ALL TIMES BY REPRESENTATIVES OF SCDHEC, YORK COUNTY, AND THE ENGINEER OF RECORD. THE PERMITS REQUIRE CERTIFICATION OF COMPLETION BY THE ENGINEER OF THE WATER AND SEWER SYSTEMS PRIOR TO THE ISSUANCE OF FINAL OPERATIONAL APPROVAL BY SCDHEC.

3. CONTRACTOR SHALL VERIFY THE ACTUAL LOCATION AND ELEVATION FOR ALL UTILITIES, DRAINAGE, AND OTHER UNDERGROUND FACILITIES, AND SHALL NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCY OR CONFLICTS PRIOR TO CONSTRUCTION.

4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF LOCATING AND MARKING ALL EXISTING UNDERGROUND UTILITIES.

5. CONTRACTOR SHALL SUBMIT AT LEAST THREE (3) COPIES OF SHOP DRAWINGS FOR ALL MATERIALS TO YORK COUNTY ENGINEERING FOR APPROVAL PRIOR TO CONSTRUCTION.

6. CONTRACTOR SHALL CONDUCT A PRE-CONSTRUCTION CONFERENCE ON SITE WITH THE ENGINEER OF RECORD, YORK COUNTY, AND OTHER INTERESTED PARTIES PRIOR TO CONSTRUCTION.

7. CONNECTION TO ANY EXISTING LINES SHALL BE BY THE CONTRACTOR IN THE PRESENCE OF YORK COUNTY INSPECTION PERSONNEL. PLUG NEW CONNECTION UNTIL CONSTRUCTION AND TESTING HAS BEEN COMPLETED, INSPECTED BY THE ENGINEER OF RECORD AND YORK COUNTY, AND FINAL CONNECTION IS AUTHORIZED.

8. MAINTAIN 18 INCH VERTICAL SEPARATION BETWEEN STORM AND SANITARY SEWER OR INSTALL DUCTILE IRON PIPE ON SANITARY SEWER WITHIN 10 FEET EACH SIDE OF CROSSING.

9. UTILITY SERVICES SHALL NOT BE LOCATED UNDER DRIVEWAYS.

10. YORK COUNTY SHALL OWN AND MAINTAIN THE PROPOSED WATER AND SANITARY SEWER LINE UPON COMPLETION, INSPECTION, APPROVAL, AND ACCEPTANCE.

11. ALL UTILITIES OUTSIDE OF THE PROPOSED ROADWAY MUST BE REVIEWED SEPARATELY UNDER THE YORK COUNTY COMMERCIAL REVIEW PROCESS.

12. THE PROPOSED WATER AND SEWER LINES BEYOND THE METER AND/OR MAIN LINE CONNECTION POINTS WILL NOT BE OWNED, OPERATED, OR MAINTAINED BY YORK COUNTY.

13. WATER MAINS, WITHIN OR PARALLEL TO ROAD RIGHTS OF WAY, MUST HAVE A MINIMUM OF 36" COVER MEASURED FROM THE ROAD EDGE OF PAVEMENT ELEVATION.

14. PRIOR TO BEGINNING CONSTRUCTION OF ANY WATER AND SEWER INFRASTRUCTURE, COPIES OF THE SCDHEC PERMITS TO CONSTRUCT MUST BE PROVIDED TO THE YORK COUNTY ENGINEERING DEPARTMENT.

15. ALL UNDERGROUND PIPING TO HAVE A 14 GAUGE INSULATED SOLID COPPER WIRE INSTALLED PER COUNTY SPECIFICATIONS TO AID IN LOCATING THE PIPE FOR MAINTENANCE PURPOSES.

16. ALL SERVICE LINES REQUIRE INDIVIDUAL CONNECTIONS TO THE MAIN. MULTIPLE SERVICE LINES INTERCONNECTING WILL NOT BE ALLOWED.

NO.	DATE	DESCRIPTION
1	11/07	ADDED NOTES
2	3/10	ADDED NOTES
3	4/15	ADDED NOTES

YORK COUNTY ENGINEERING STANDARDS	WATER/SEWER GENERAL NOTES	STD. NO. 10.01
		DATE 09/06

1. FIRE HYDRANTS SHALL BE YORK COUNTY STANDARD.

2. ALL WATER MAIN VALVES MUST OPEN COUNTERCLOCKWISE IN CONFORMANCE WITH YORK COUNTY STANDARDS.

3. BLOCKING SHALL BE INSTALLED AT ALL BENDS, TEES, VALVES, REDUCERS, BLOW-OFFS, AND HYDRANT LOCATIONS, UNLESS ALTERNATIVES ARE SHOWN ON DETAILS.

4. WATER MAINS LESS THAN 4 INCH IN DIAMETER SHALL BE PVC ASTM D2241 SDR 13.5, CLASS 315. ALL MAINS 4 INCH TO 12 INCH SHALL BE AWMA C-900, PRESSURE CLASS 200 PVC SDR14. FITTINGS 4 INCH AND LARGER SHALL BE MECHANICAL JOINT CAST IRON. FITTINGS LESS THAN 4 INCH SHALL BE SLIP JOINT PVC PER SPECIFICATIONS. PVC PIPING SHALL BE INSTALLED WITH APPROVED COPPER LOCATING WIRE.

5. ASBESTOS CEMENT PIPE SHALL NOT BE USED IN POTABLE WATER SYSTEMS EXCEPT IN THE REPAIR OF EXISTING ASBESTOS CEMENT LINES.

6. DIP SHALL BE IN ACCORDANCE WITH AWMA C150/A21.50 & AWMA C151/A21.51.

7. NO FLUSHING DEVICE SHALL BE DIRECTLY CONNECTED TO ANY SEWER SYSTEM.

8. CHAMBERS, PITS OR MANHOLES CONTAINING VALVES, BLOW-OFFS, METERS, AIR RELIEF VALVES, OR OTHER SUCH APPURTENANCES TO A DISTRIBUTION SYSTEM, SHALL NOT BE CONNECTED DIRECTLY TO ANY STORM DRAIN OR SANITARY SEWER.

9. INSTALLATION OF WATER MAINS AND APPURTENANCES SHALL BE CONDUCTED IN ACCORDANCE SECTION C OF THE AWMA STANDARDS AND/OR MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES.

10. A CONTINUOUS AND UNIFORM BEDDING SHALL BE PROVIDED IN THE TRENCH FOR ALL BURIED PIPE. BACK-FILL MATERIAL SHALL BE TAMPED IN LAYERS AROUND THE PIPE AND TO A SUFFICIENT HEIGHT ABOVE THE PIPE TO ADEQUATELY SUPPORT AND PROTECT THE PIPE. STONES, OTHER THAN CRUSHED BEDDING, SHALL NOT COME INTO CONTACT WITH THE PIPE AND SHALL NOT BE WITHIN SIX (6) INCHES OF THE PIPE.

11. ALL WATER MAINS SHALL MEET THE YORK COUNTY WATER SPECIFICATIONS FOR PIPE TRACING WIRE. REFER TO SECTION H, G, 3(E) AND 9 FOR SPECIFICATIONS.

12. A "W" MUST BE ETCHED INTO THE CURBING SHOWING THE LOCATION OF WATER METERS.

13. A "V" MUST BE ETCHED INTO THE CURBING SHOWING THE LOCATION OF WATER VALVES.

14. VALVES CANNOT BE LOCATED IN SIDEWALKS, CURBING, DRIVEWAYS, OR ASPHALT AREAS.

15. REFER TO YORK COUNTY STANDARD SPECIFICATIONS AND DETAILS REGARDING SERVICE LINE PIPE MATERIAL.

16. ALL SERVICE LINES REQUIRE INDIVIDUAL CONNECTIONS TO THE MAIN. MULTIPLE SERVICE LINES INTERCONNECTING WILL NOT BE ALLOWED.

NO.	DATE	DESCRIPTION
1	11/07	ADDED NOTES
2	2/09	ADDED A NOTE
3	3/10	ADDED A NOTE
4	4/15	ADDED A NOTE

YORK COUNTY ENGINEERING STANDARDS	WATER NOTES	STD. NO. 10.02
		DATE 09/06

1. SEWER FORCE MAINS LESS THAN 4 INCH IN DIAMETER SHALL BE PVC ASTM-D2241 SDR13.5 CLASS 315. ALL MAINS 4 INCH TO 12 INCH SHALL BE AWMA C-900, PRESSURE CLASS 200 PVC SDR14. FITTINGS 4 INCHES AND LARGER SHALL BE MECHANICAL JOINT CAST IRON. FITTINGS LESS THAN 4 INCH SHALL BE SLIP JOINT PVC PER SPECIFICATIONS. PVC PIPING SHALL BE INSTALLED WITH APPROVED COPPER LOCATING WIRE.

2. SANITARY SEWER MAINS SHALL BE PVC (ASTM D3034-SDR 35) WITH STONE BEDDING EXCEPT WHERE DUCTILE IRON PIPE OR LONG SPAN STEEL PIPE IS SHOWN. DUCTILE IRON PIPE SHALL BE BITUMINOUS COATED, CEMENT LINED WITH PUSH-ON JOINTS CONFORMING TO ASA A21.54 PC350. TRANSITIONAL COUPLINGS SHALL BE USED FOR PVC/DI SEWER CONNECTIONS. SEWER SERVICES SHALL BE SCHEDULE 40 PVC. LONG SPAN STEEL PIPE SHALL BE COATED ON BOTH SIDES ON BOTH SIDES WITH 4 MILS EPOXY. ANY SEWER LINE PLACED 16 FEET OR GREATER IN DEPTH SHALL BE DUCTILE IRON PIPE.

3. ALL SEWER MANHOLES SHALL BE PRE-CAST CONCRETE WITH INTEGRALLY CAST WATERTIGHT CONNECTIONS.

4. SANITARY SEWER LATERALS SHALL BE 4 INCH DIAMETER EXCEPT AS SPECIFICALLY NOTED.

5. CONTRACTOR SHALL STABILIZE ALL OUT OF STREET GRAVITY SEWER RIGHTS OF WAY WITH GRASS.

6. DIP SHALL BE IN ACCORDANCE WITH AWMA C150/A21.50 & AWMA C151/A21.51.

7. A CONTINUOUS AND UNIFORM BEDDING SHALL BE PROVIDED IN THE TRENCH FOR ALL BURIED PIPE. BACK-FILL MATERIAL SHALL BE TAMPED IN LAYERS AROUND THE PIPE AND TO A SUFFICIENT HEIGHT ABOVE THE PIPE TO ADEQUATELY SUPPORT AND PROTECT THE PIPE. STONES, OTHER THAN CRUSHED BEDDING, SHALL NOT COME INTO CONTACT WITH THE PIPE AND SHALL NOT BE WITHIN SIX (6) INCHES OF THE PIPE.

8. ALL OFF-SITE SEWER MANHOLES MUST BE A MINIMUM OF TWO (2) FEET ABOVE FINISHED GRADE OR THE 100 YEAR FLOOD PLAIN ELEVATION. ALL MANHOLE TOPS ARE TO BE BOLTED DOWN TO THE PRE-CAST HOUSINGS.

9. AN "S" MUST BE ETCHED INTO THE CURBING SHOWING THE LOCATION OF SEWER LATERALS.

10. MANHOLES MUST NOT BE PLACED WITHIN THE WHEEL-PATHS OF ANY ROADWAY TRAVELING LINES.

11. SEWER SERVICE LATERALS CONNECTING TO THE MAINLINE WITHIN 10' OF A MANHOLE MUST GO DIRECTLY INTO THE MANHOLE.

12. ALL SERVICE LINES REQUIRE INDIVIDUAL CONNECTIONS TO THE MAIN. MULTIPLE SERVICE LINES INTERCONNECTING WILL NOT BE ALLOWED.

NO.	DATE	DESCRIPTION
1	11/07	ADDED NOTES
1	04/14	ADDED NOTES

YORK COUNTY ENGINEERING STANDARDS	SEWER NOTES	STD. NO. 10.03
		DATE 09/06

1. NOTIFY THE ENGINEER OF RECORD AND YORK COUNTY AT LEAST 48 HOURS BEFORE STARTING CONSTRUCTION OF SEWER AND WATER FACILITIES. THE ENGINEER SHALL PERIODICALLY INSPECT THE PROGRESS OF INSTALLATION AND SHALL COMPLETE A FINAL WATER AND SEWER INSPECTION. THE ENGINEER OF RECORD AND YORK COUNTY SHALL WITNESS PRESSURE TESTING OF THE WATER SYSTEM, AND AIR AND MANDREL TESTING OF THE SEWER SYSTEM. THE CONTRACTOR SHALL FURNISH, SECURE, AND PROVIDE ALL NECESSARY TESTING MATERIALS, EQUIPMENT, PROCEDURES AND CERTIFIED LABORATORY TEST RESULTS FOR USE WITH ENGINEERS FINAL CERTIFICATION OF COMPLETION.

2. WATER MAINS AND SEWER FORCE MAINS MUST BE HYDROSTATICALLY TESTED PER YORK COUNTY SPECIFICATIONS AND UNDER THE SUPERVISION OF A YORK COUNTY INSPECTOR AND THE ENGINEER OF RECORD.

3. DISINFECT WATER LINES AND PROVIDE ACCEPTABLE BACTERIOLOGICAL TEST FROM A CERTIFIED TESTING LABORATORY FOR USE WITH THE ENGINEERS CERTIFICATION OF COMPLETION. A MINIMUM OF TWO (2) SAMPLES, COLLECTED AT LEAST TWENTY-FOUR (24) HOURS APART, ARE TO BE TAKEN FROM EACH SAMPLING SITE FOR TOTAL COLIFORM ANALYSIS AND TOTAL CHLORINE RESIDUAL. THE NUMBER OF TEST SITES MUST INCLUDE ALL DEAD-END LINES AND SHALL BE COLLECTED A MINIMUM OF EVERY 1,200 LINEAR FEET.

4. SECURE FINAL OPERATIONAL APPROVAL FROM YORK COUNTY AND SCDHEC PRIOR TO ACTIVATION OF THE SYSTEM.

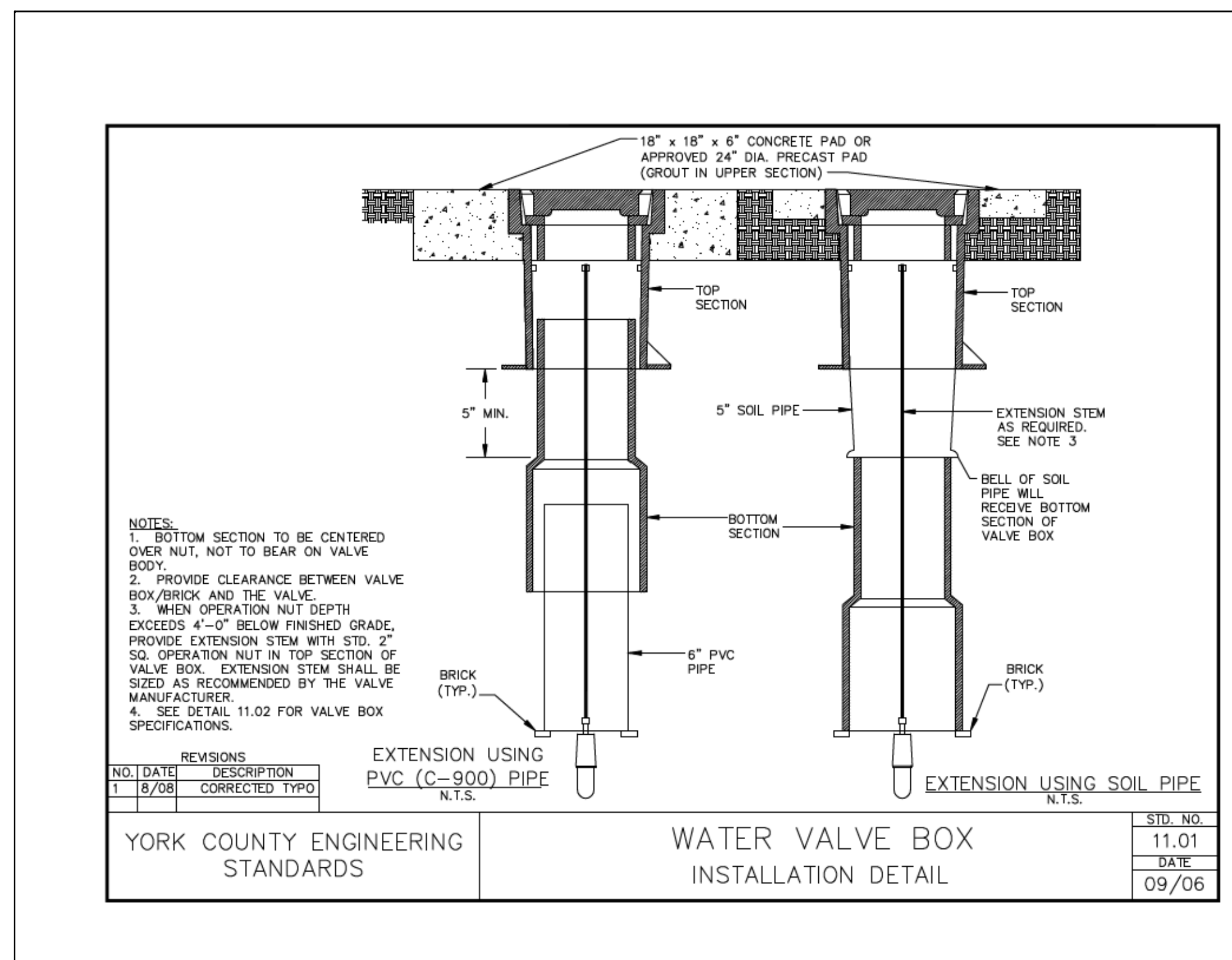
5. TEST SANITARY SEWER LINES FOR DEFLECTION WITH A 5% MANDREL NOT LESS THAN 30 DAYS AFTER COMPLETION OF BACKFILL. PERFORM LOW PRESSURE AIR TESTING IN ACCORDANCE WITH ASTM C-828 AND C924 ON ALL SEWER MAINS.

6. TRENCH BACKFILL AND COMPACTION TESTING SHALL BE PERFORMED BY A CERTIFIED SOILS LABORATORY UNDER ALL AREAS WITHIN ROAD AND RAILWAY RIGHTS-OF-WAY. BACKFILL MATERIAL FROM THE BOTTOM OF TRENCH TO WITHIN SIX (6) INCHES OF THE SUBGRADE SHALL HAVE A MINIMUM DRY DENSITY OF 95% AS DERIVED BY THE STANDARD PROCTOR TEST. ALL MATERIAL WITHIN THE TOP 6 INCHES OF THE SUBGRADE LEVEL SHALL HAVE AN IN PLACE DENSITY OF 100%.

7. THE CONTRACTOR SHALL SUPPLY THE ENGINEER WITH SEWER AS-BUILTS (LOCATION, ELEVATION, LENGTH, AND SLOPE) PREPARED BY A REGISTERED LAND SURVEYOR AND WATER SERVICE MEASUREMENTS SUITABLE FOR PREPARATION OF FINAL AS-BUILTS.

NO.	DATE	DESCRIPTION
1	11/07	ADDED NOTES
2	05/18	MOD. NOTE 6

YORK COUNTY ENGINEERING STANDARDS	TESTING / INSPECTION GENERAL NOTES	STD. NO. 10.04
		DATE 09/06



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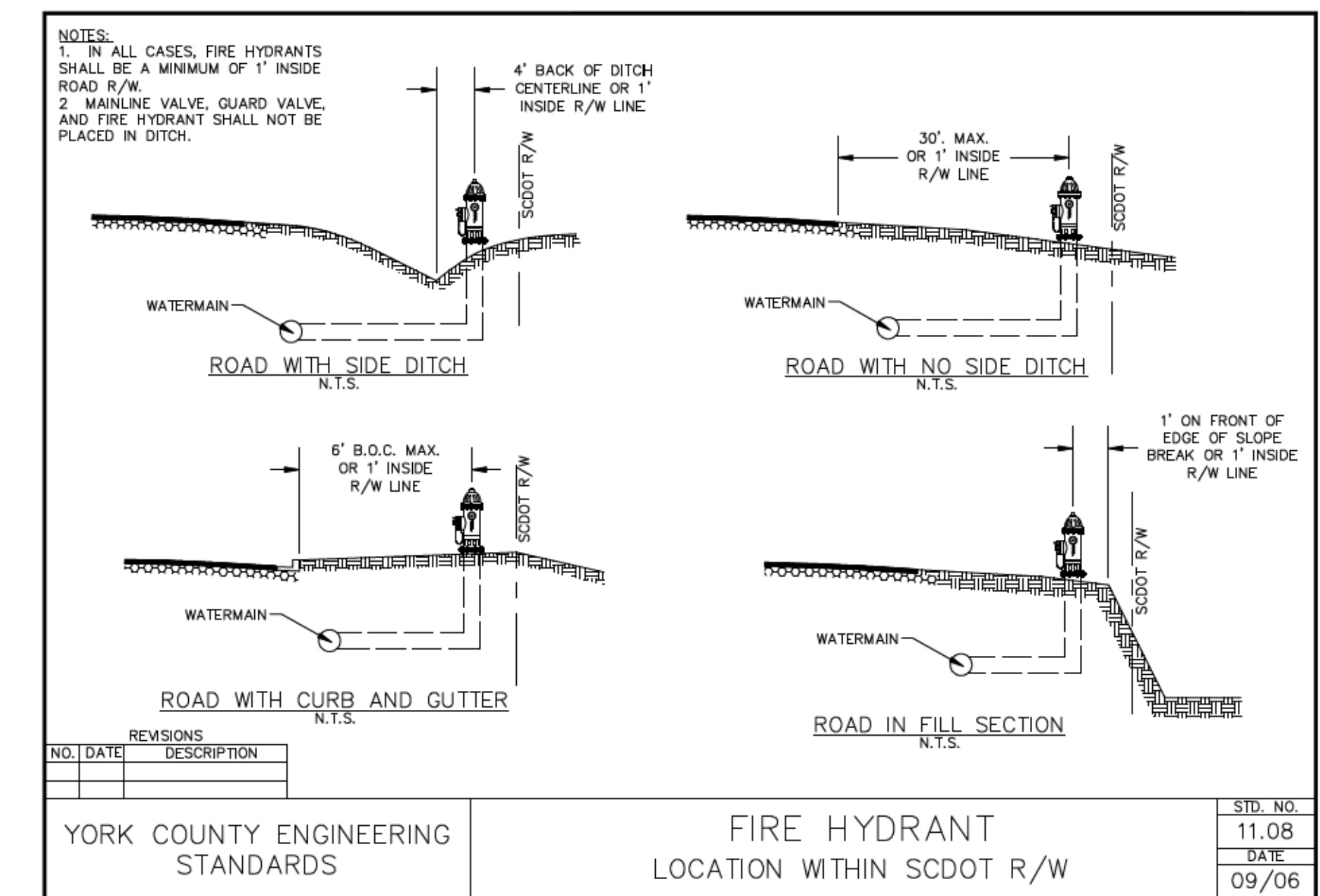
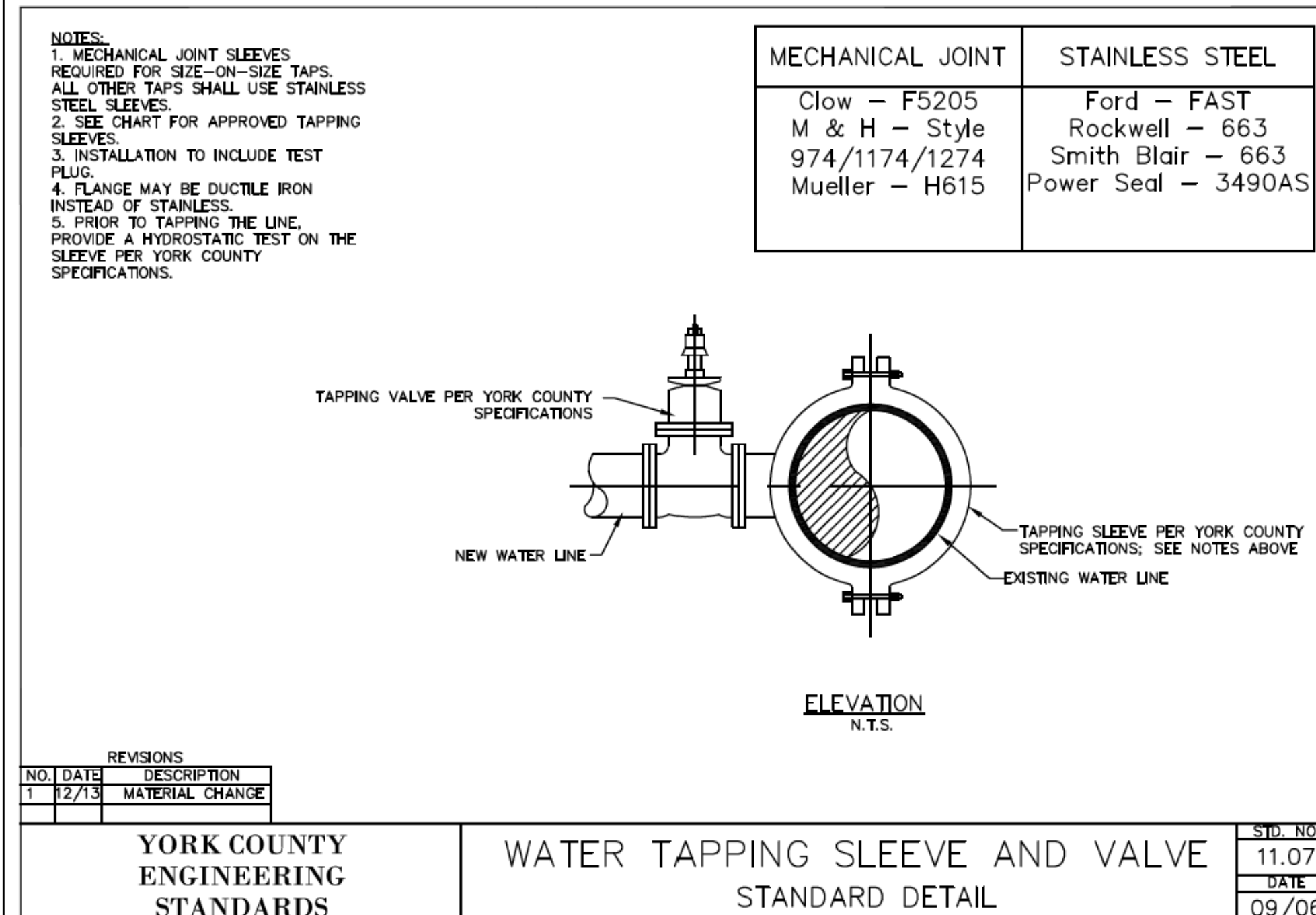
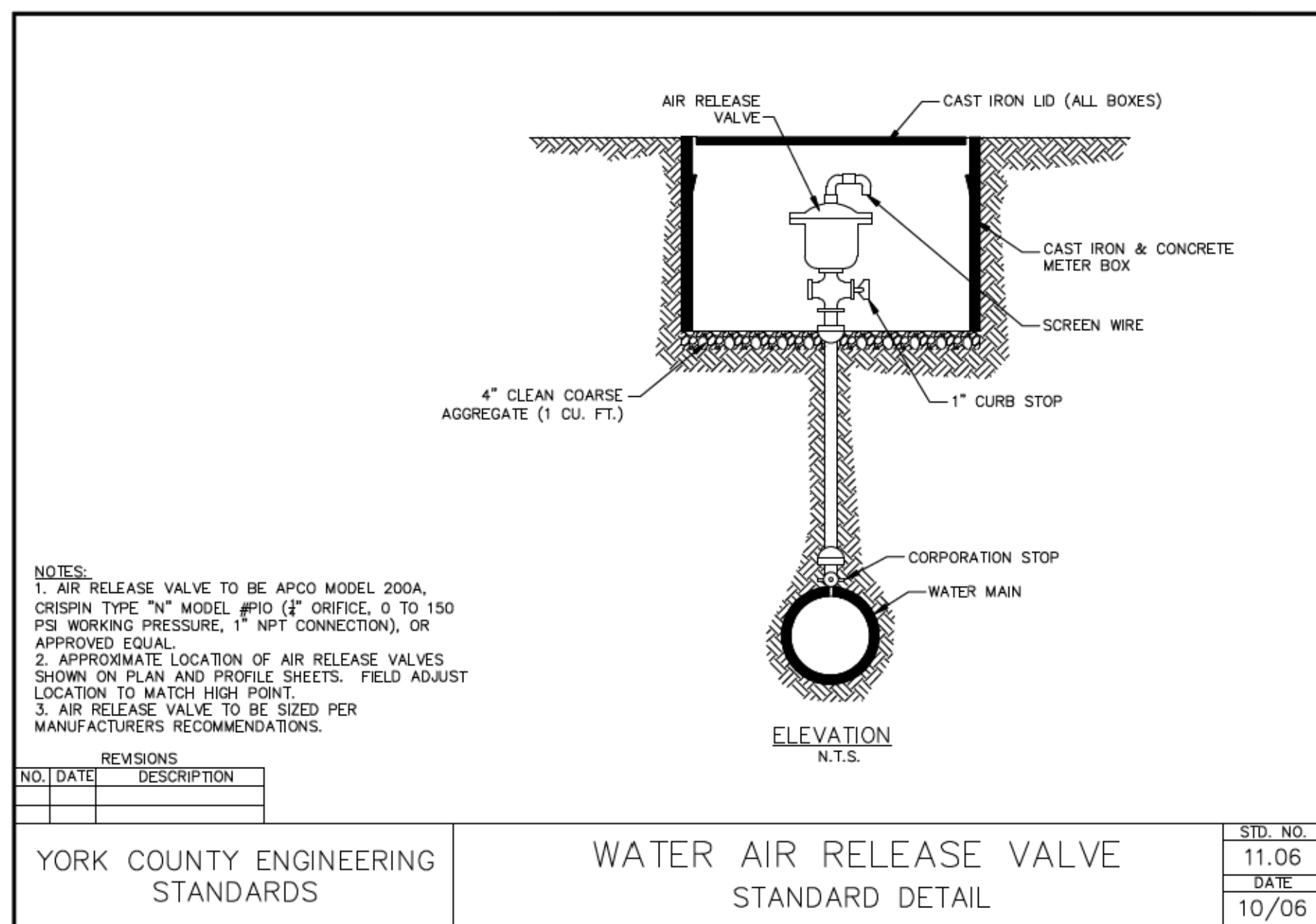
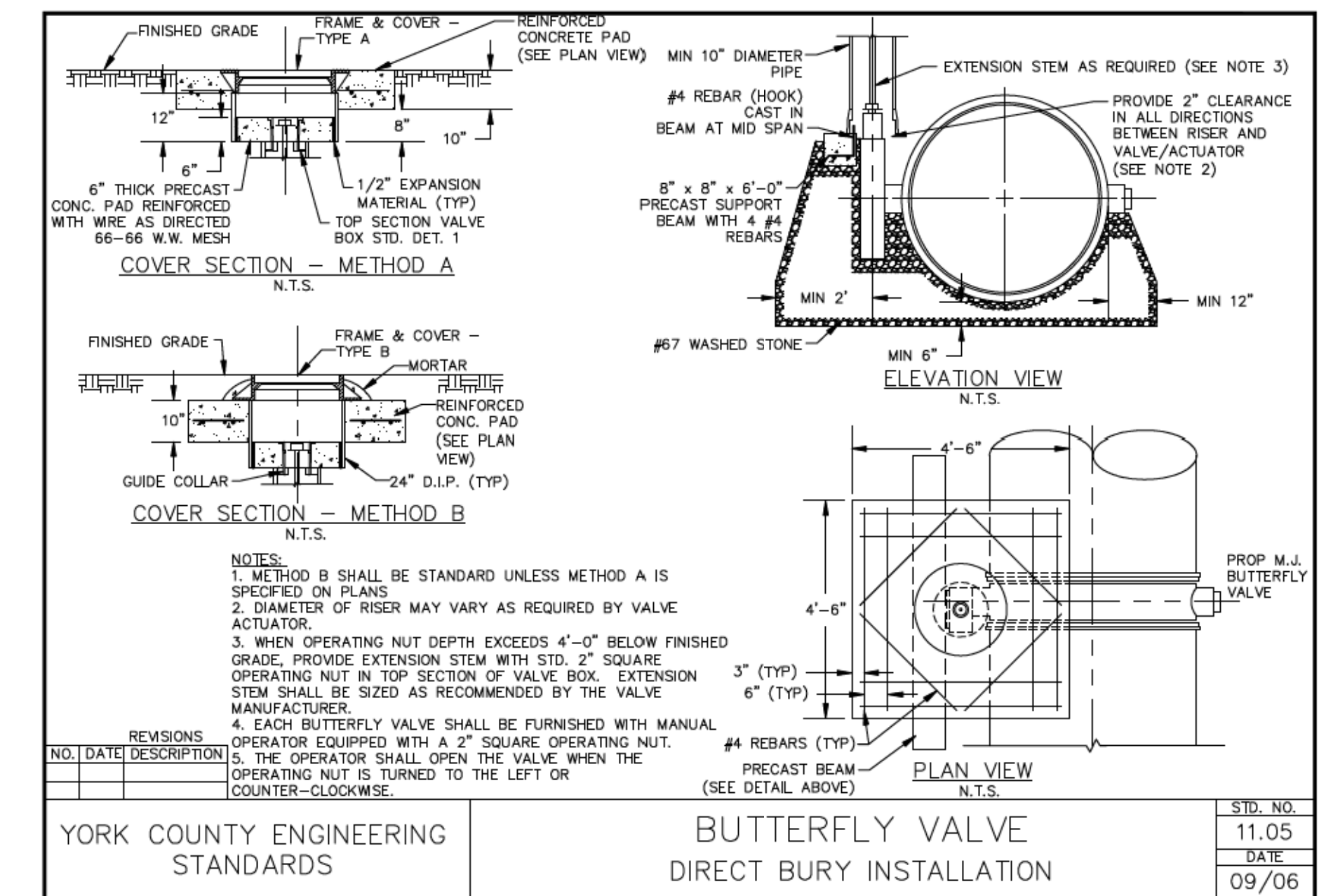
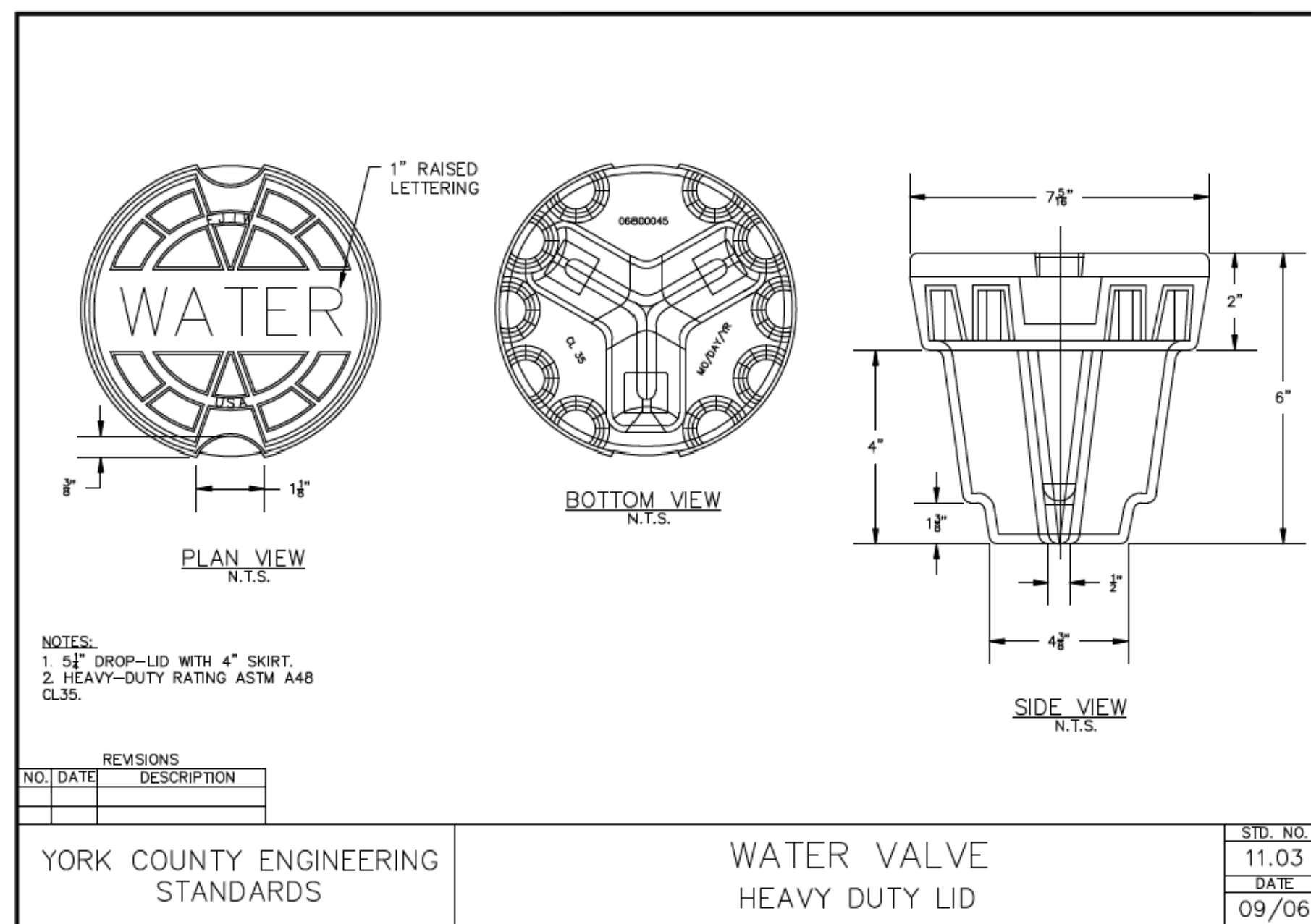
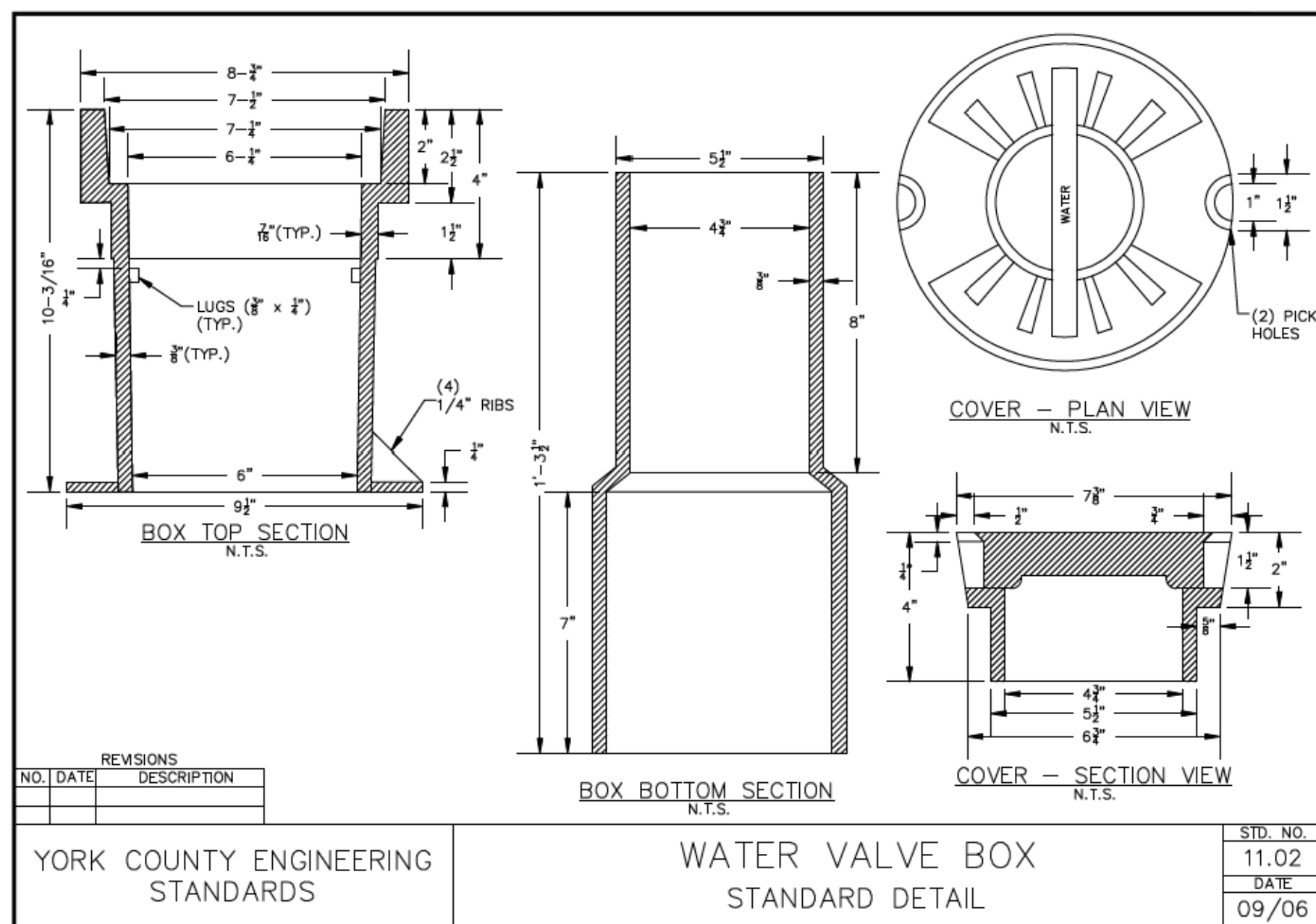
YORK COUNTY
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SC 557 UTILITY PLAN
UTILITY DETAILS

SCALE 1"= 50' RTE. SC 557 DWG. NO.

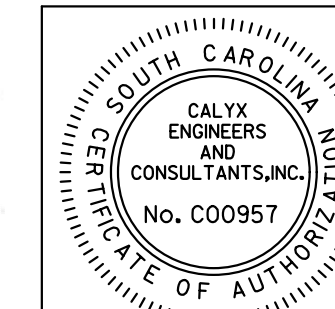
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REGISTERED PROFESSIONAL ENGINEER
STATE OF SOUTH CAROLINA
LICENSE NO. 000957

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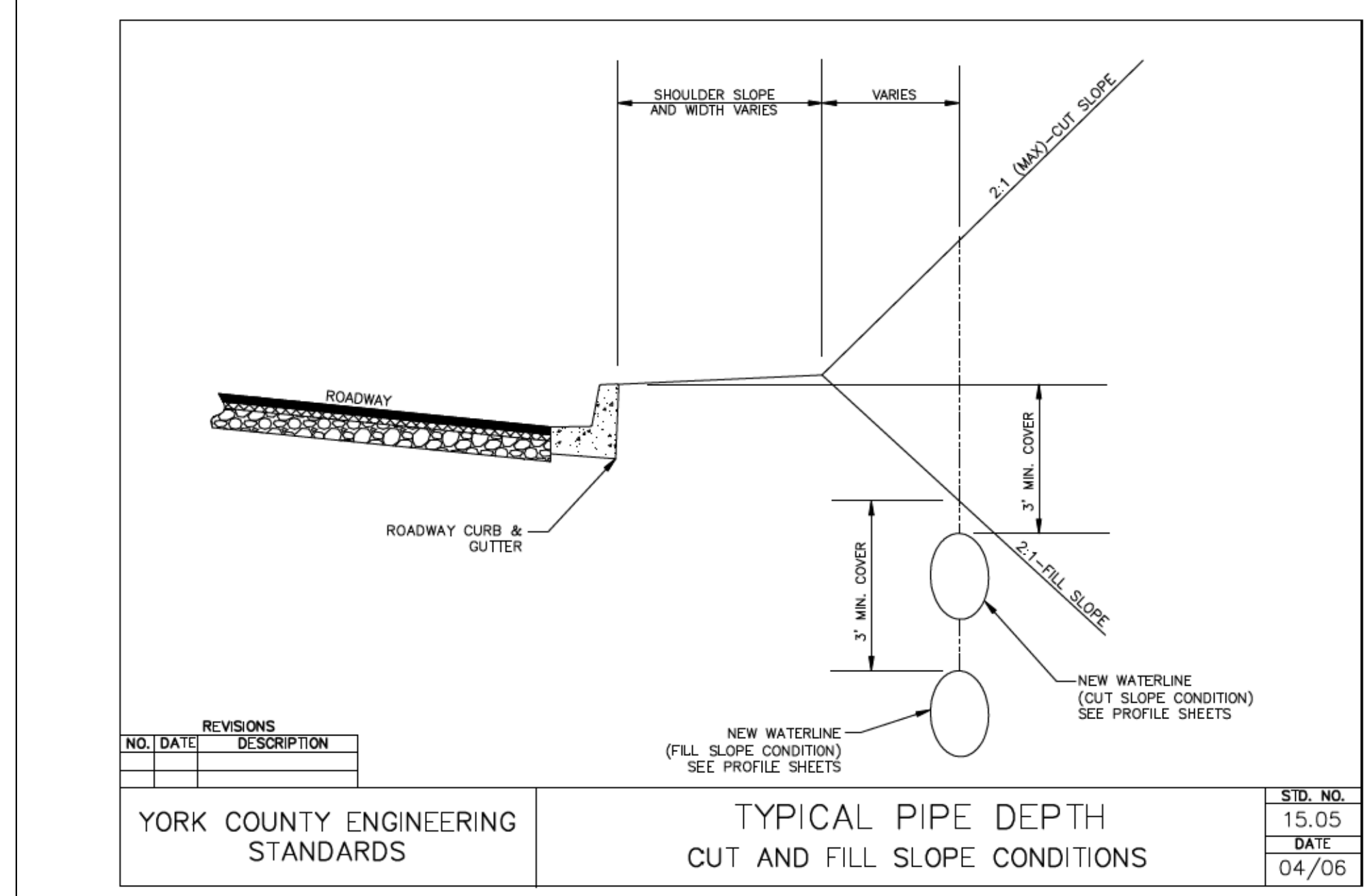
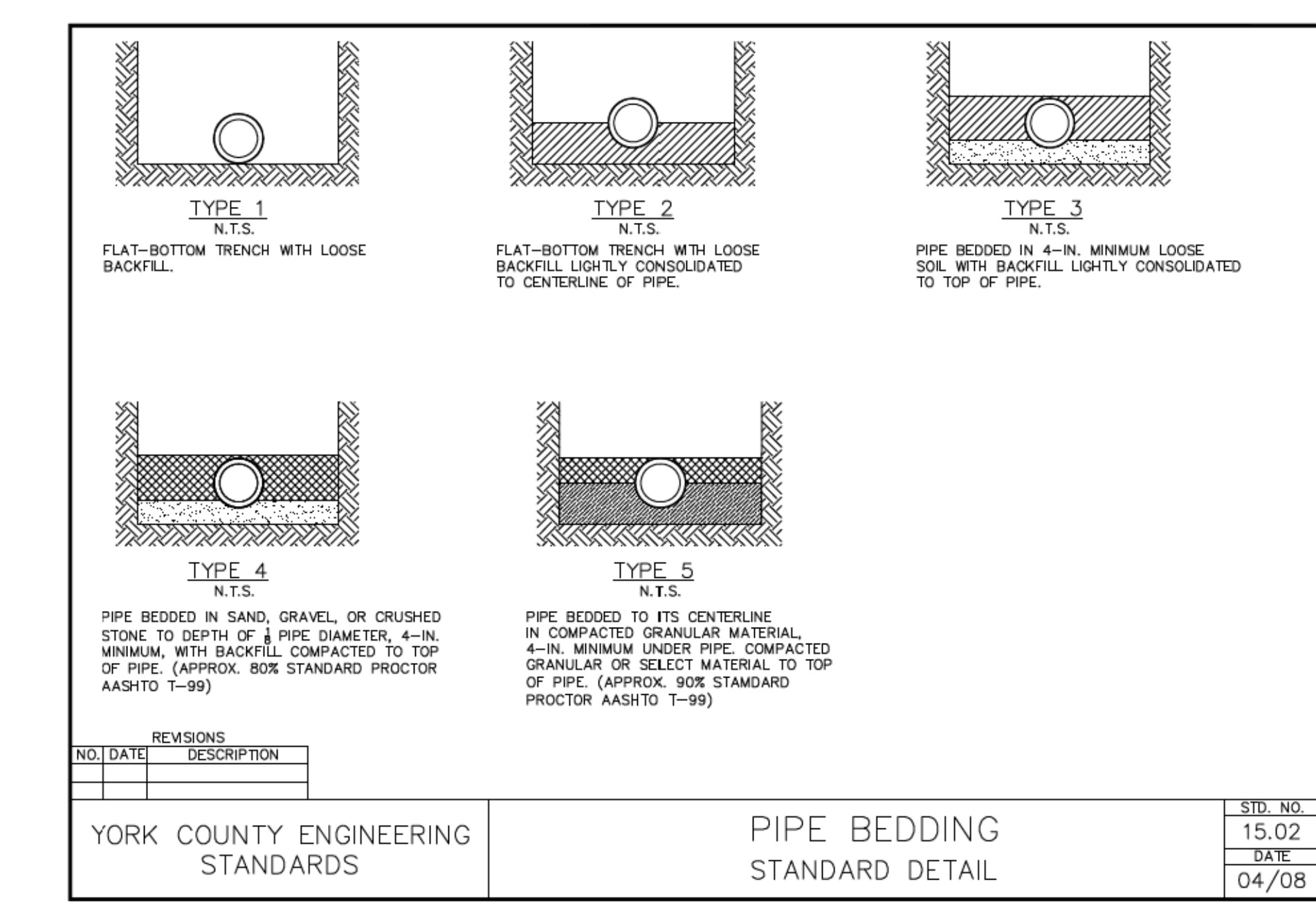
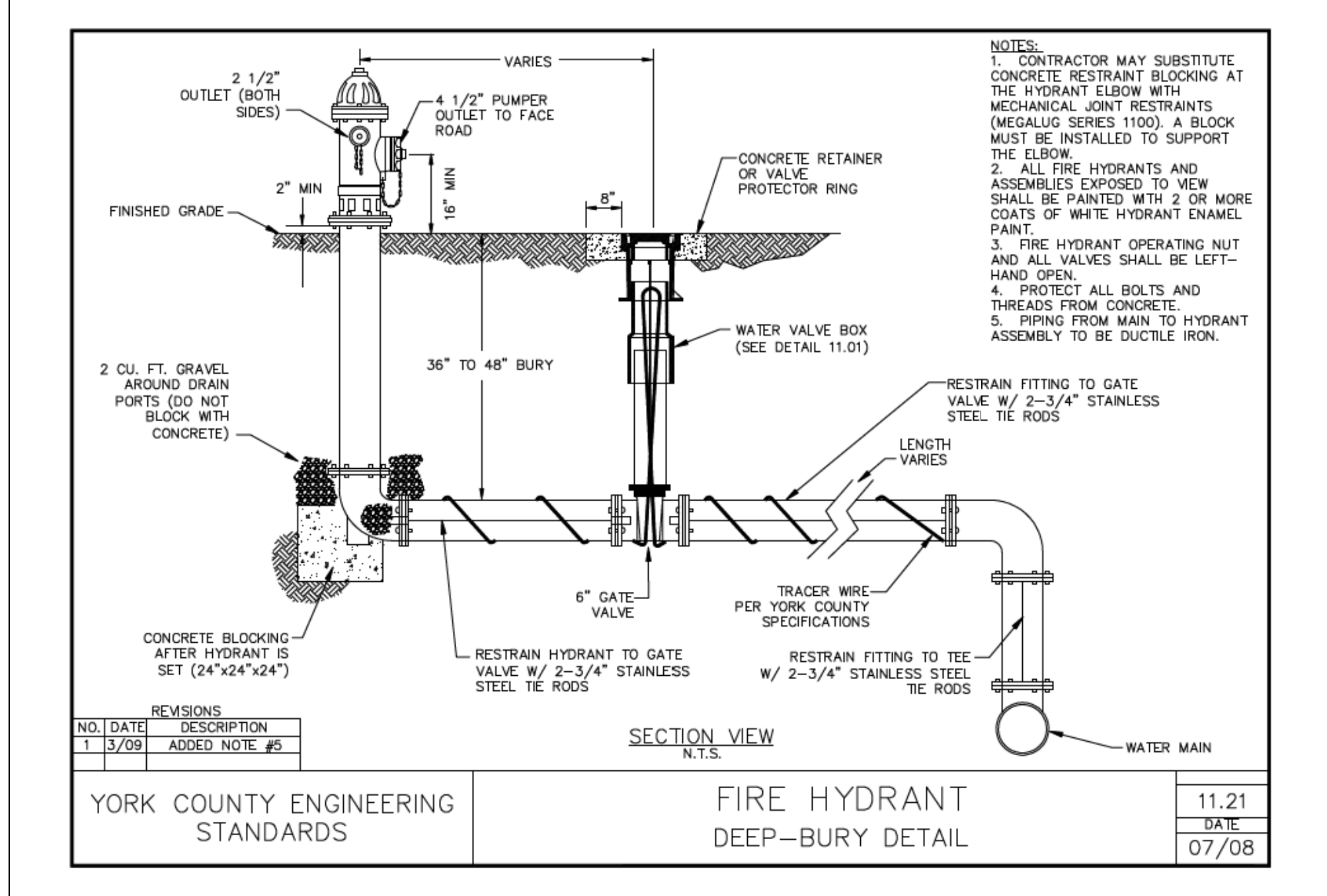
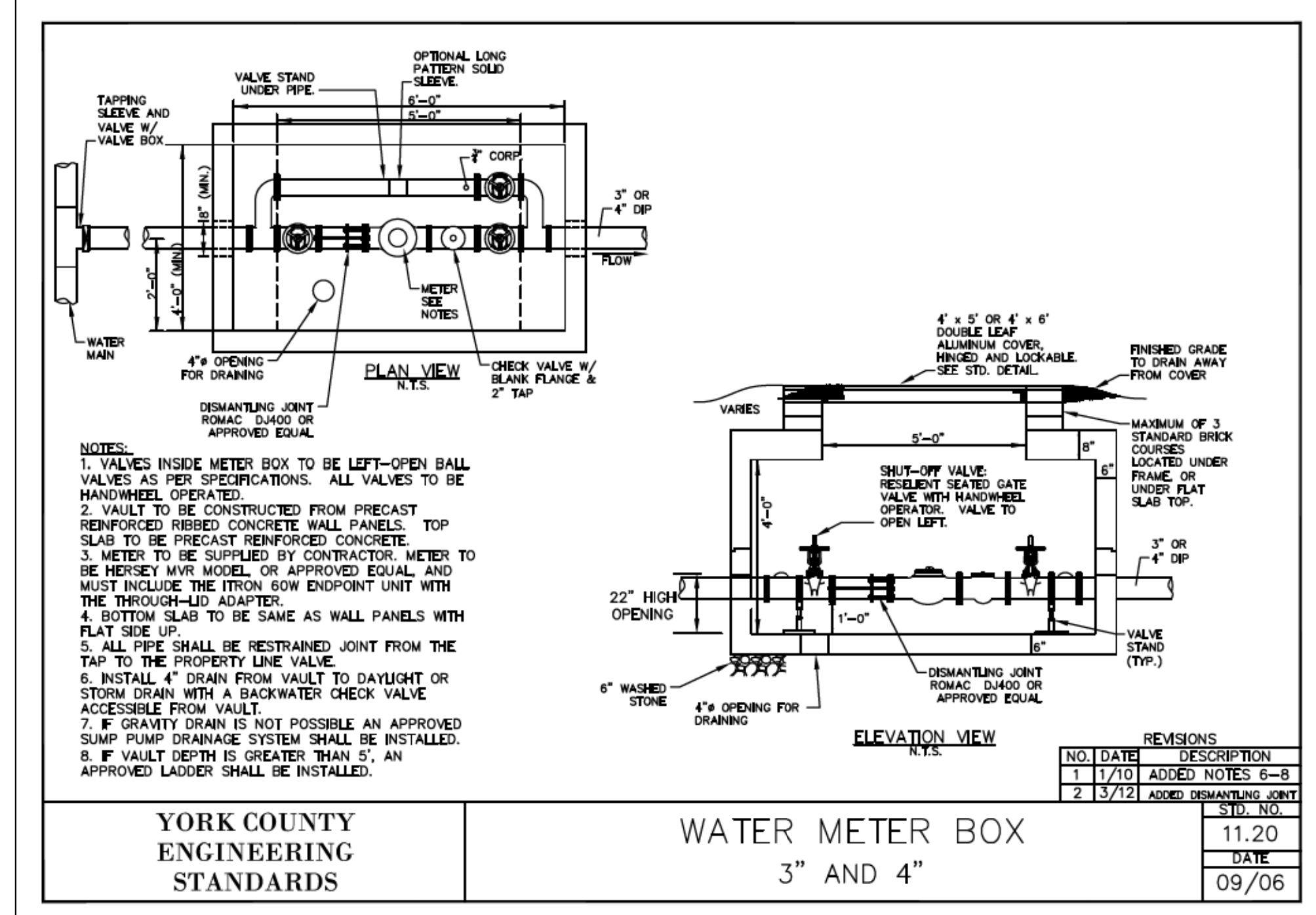
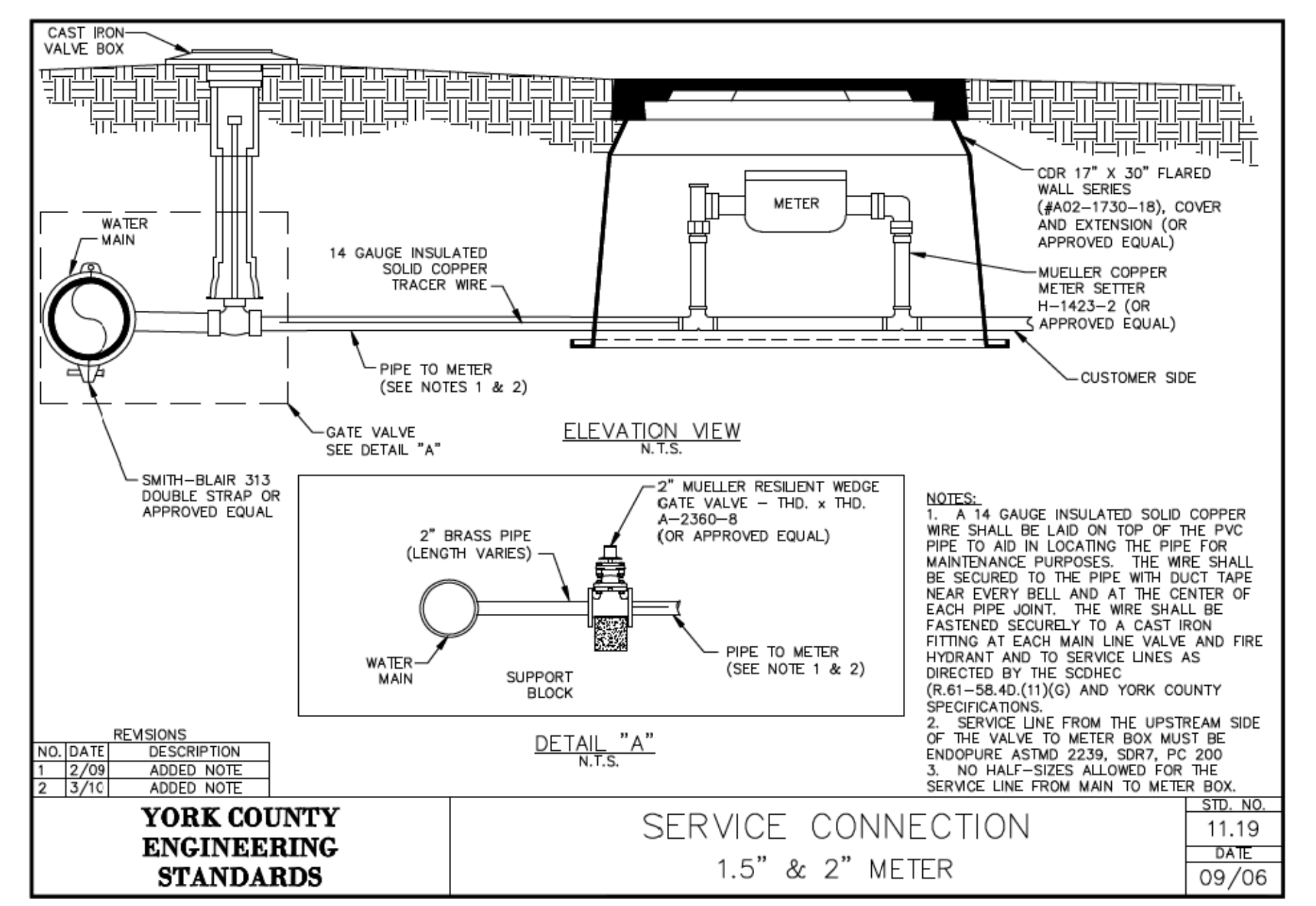
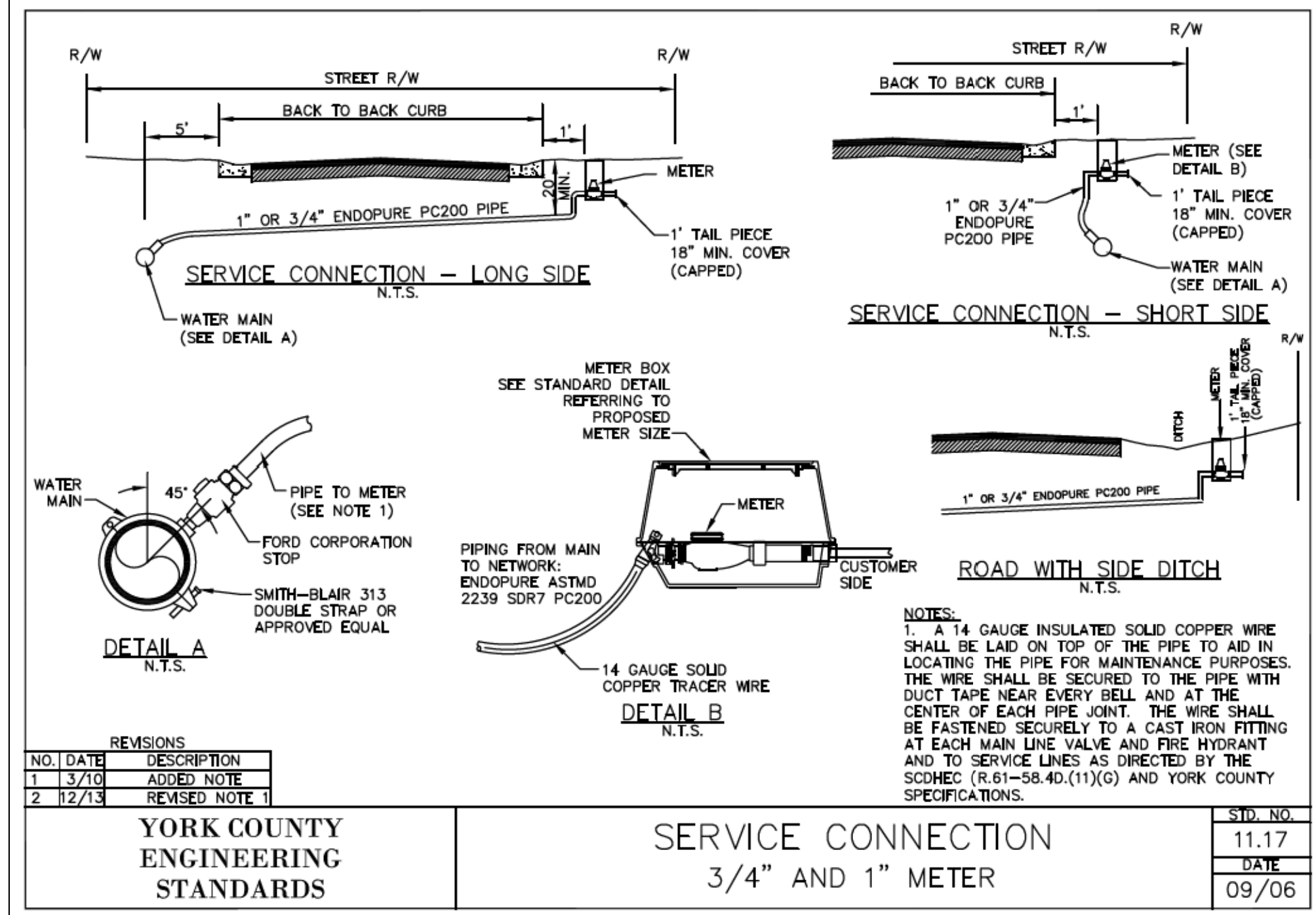
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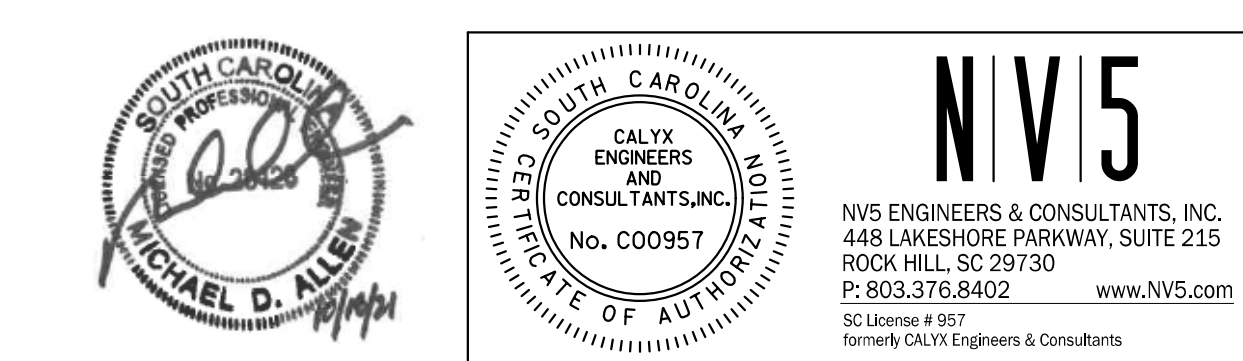
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SC 557 UTILITY PLAN
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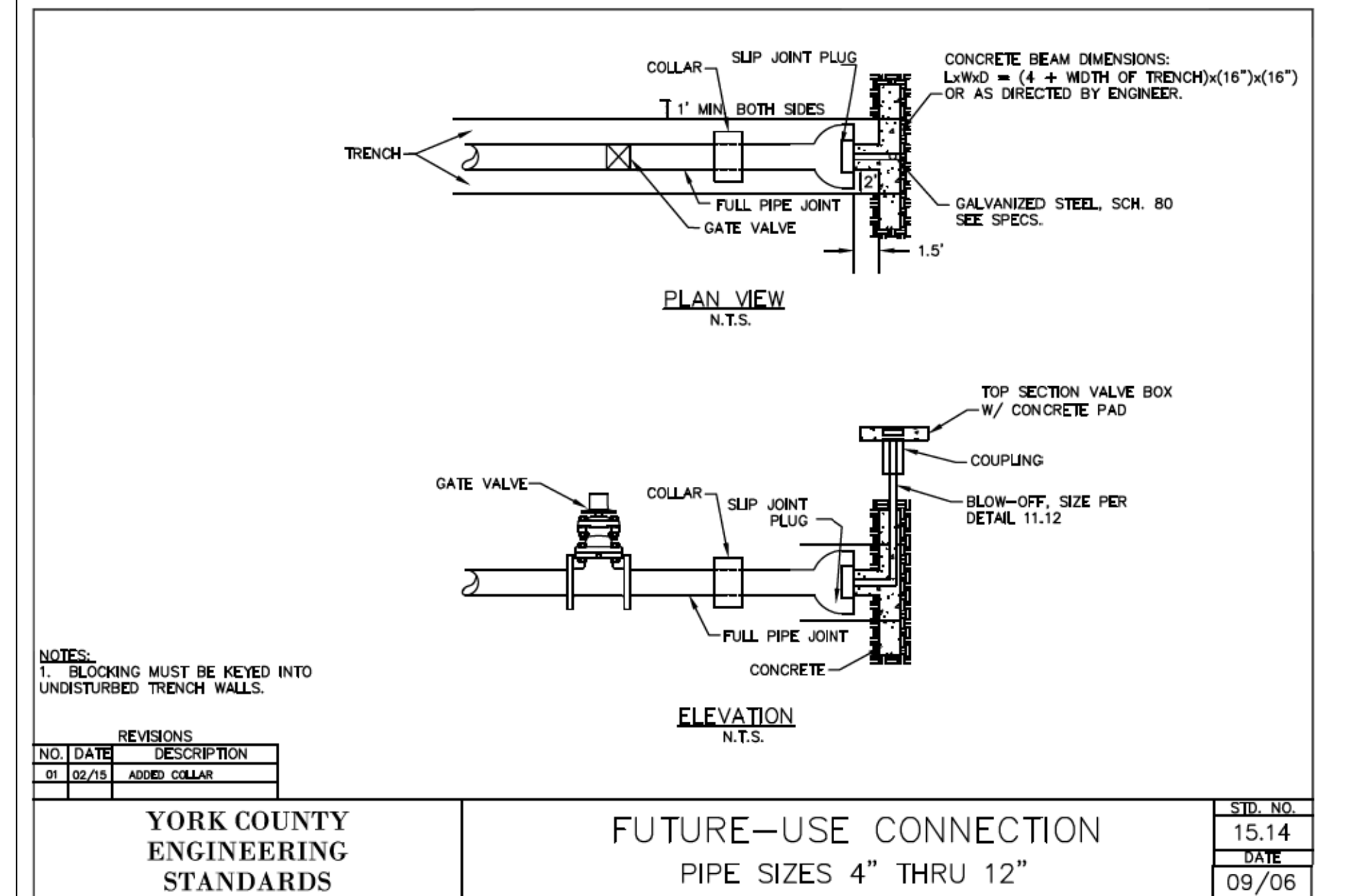
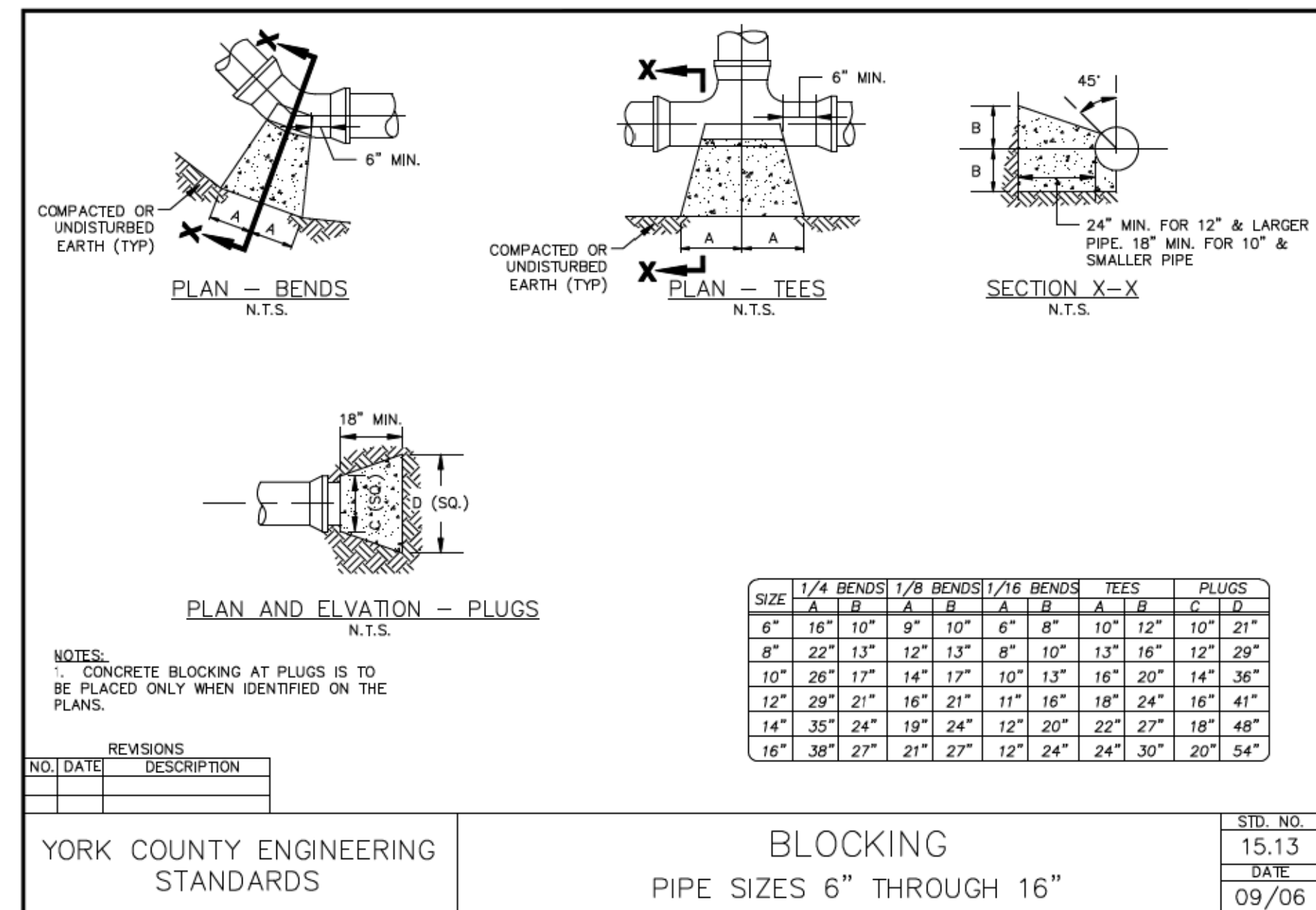
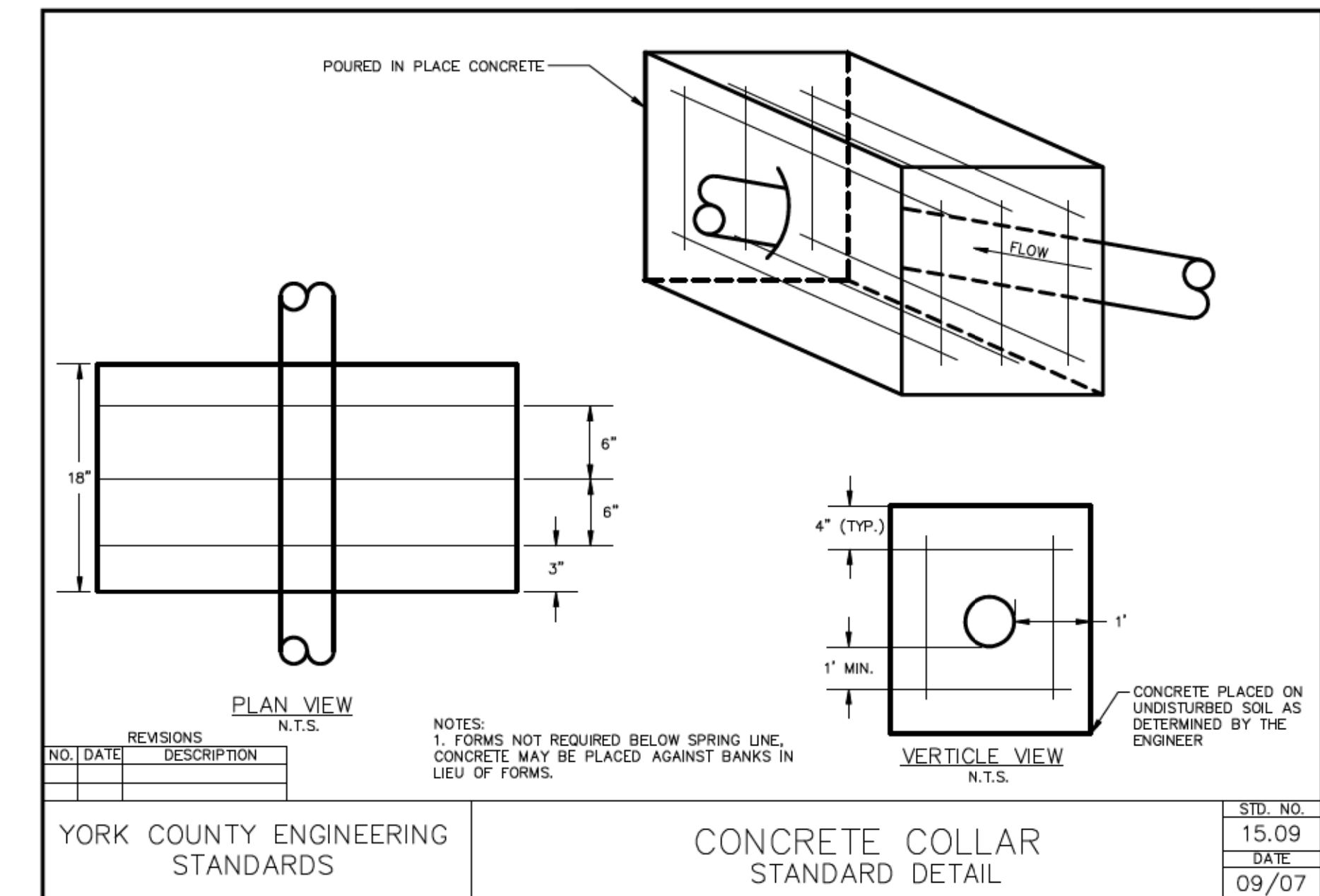
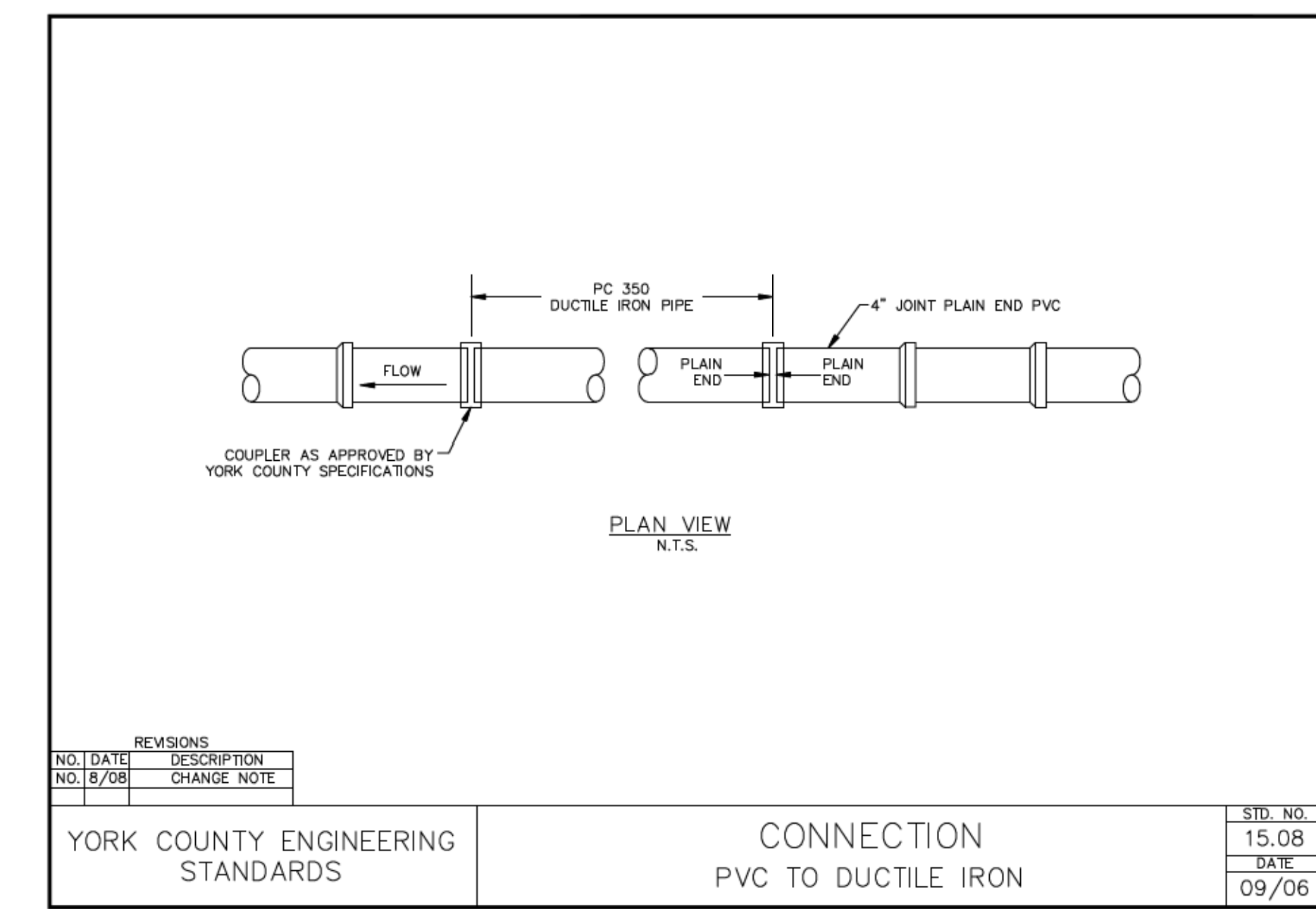
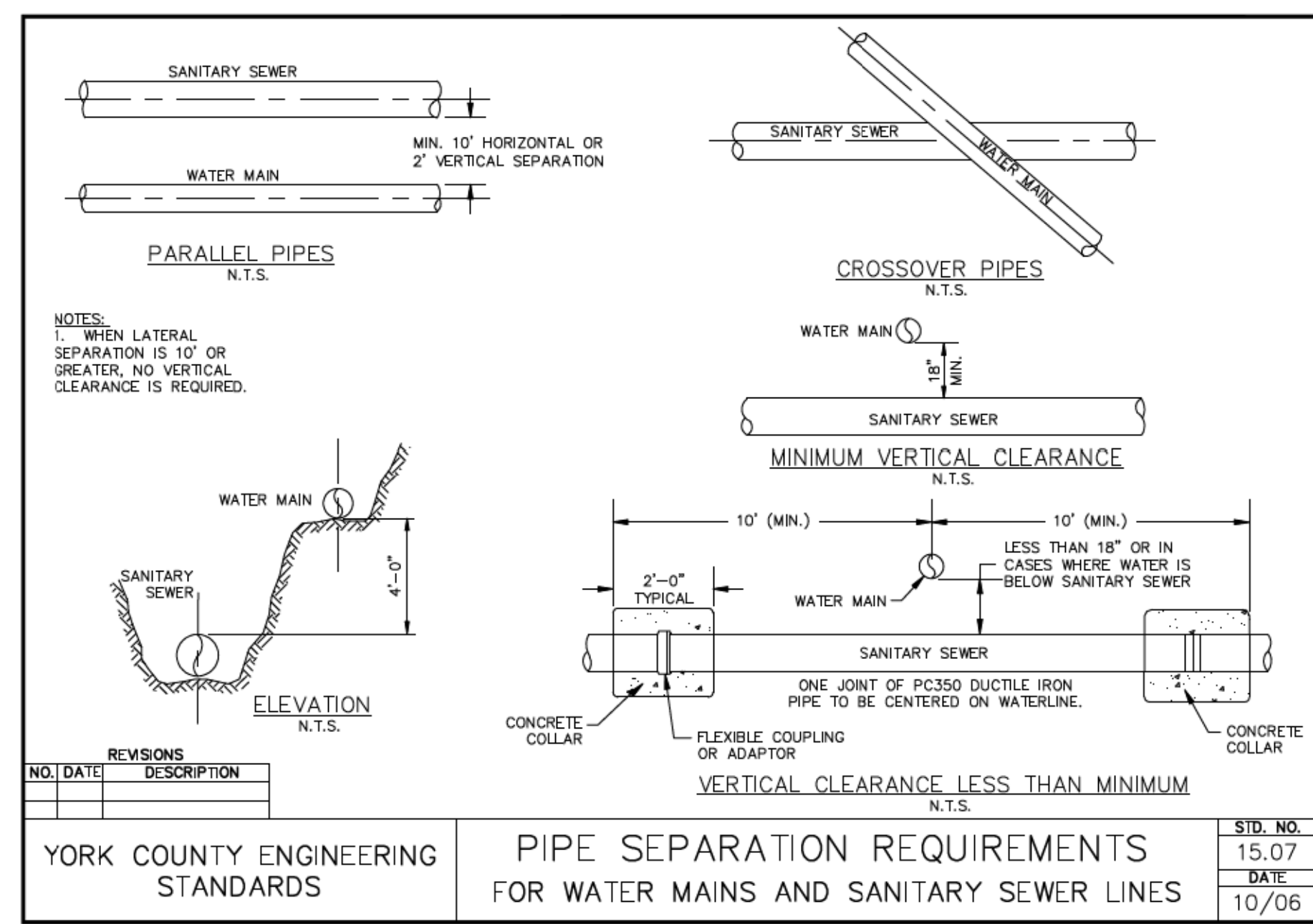
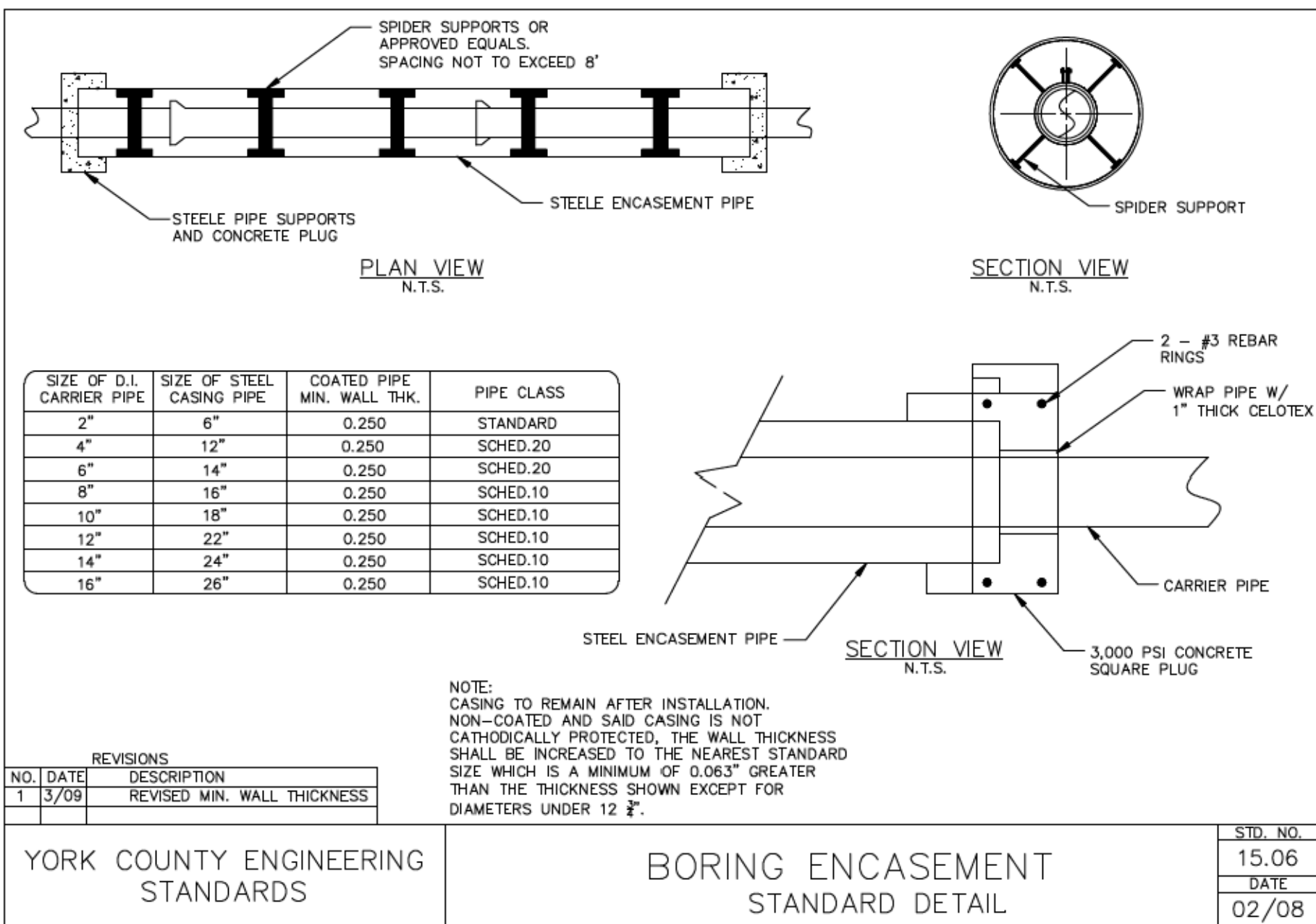
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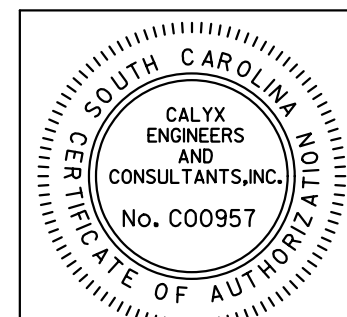
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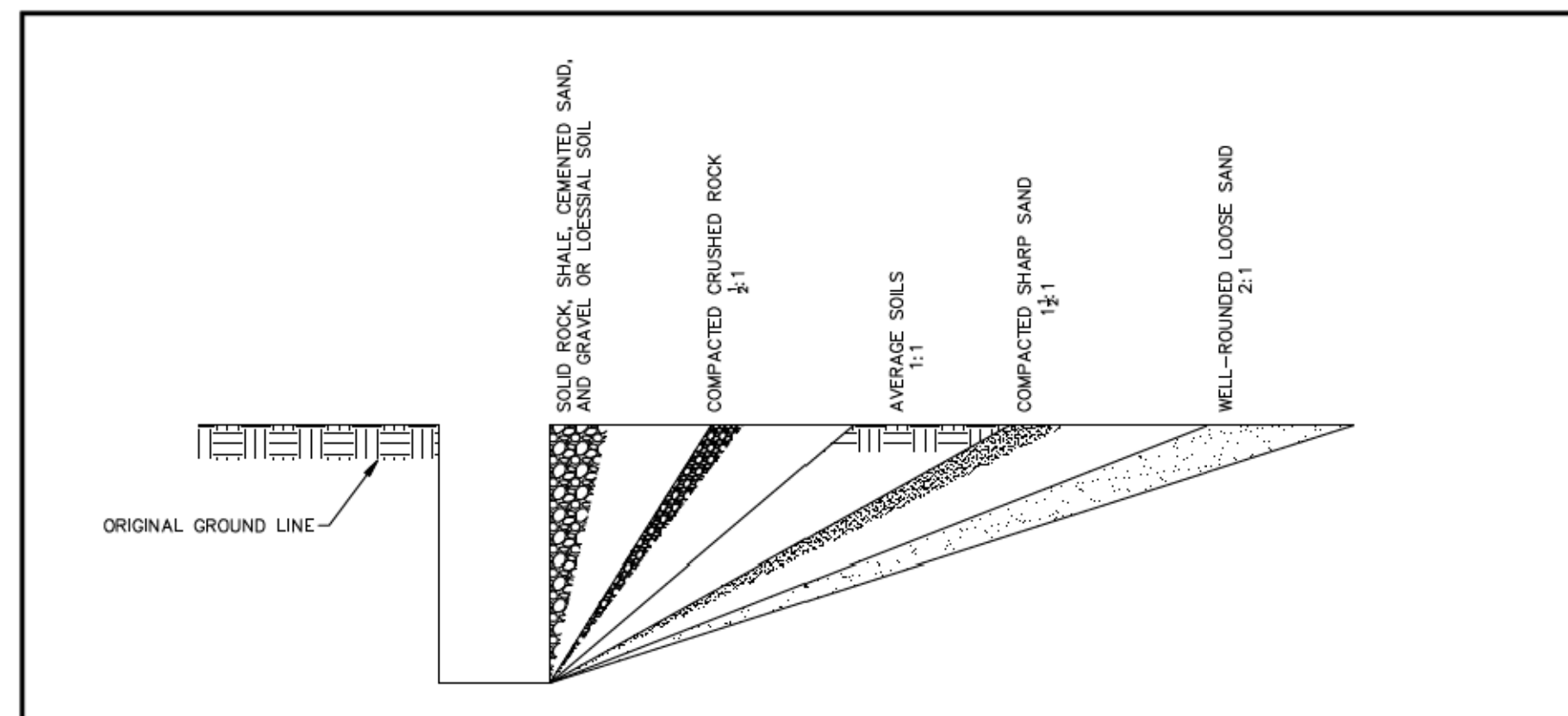
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YORK COUNTY
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**SC 557 UTILITY PLAN
 UTILITY DETAILS**

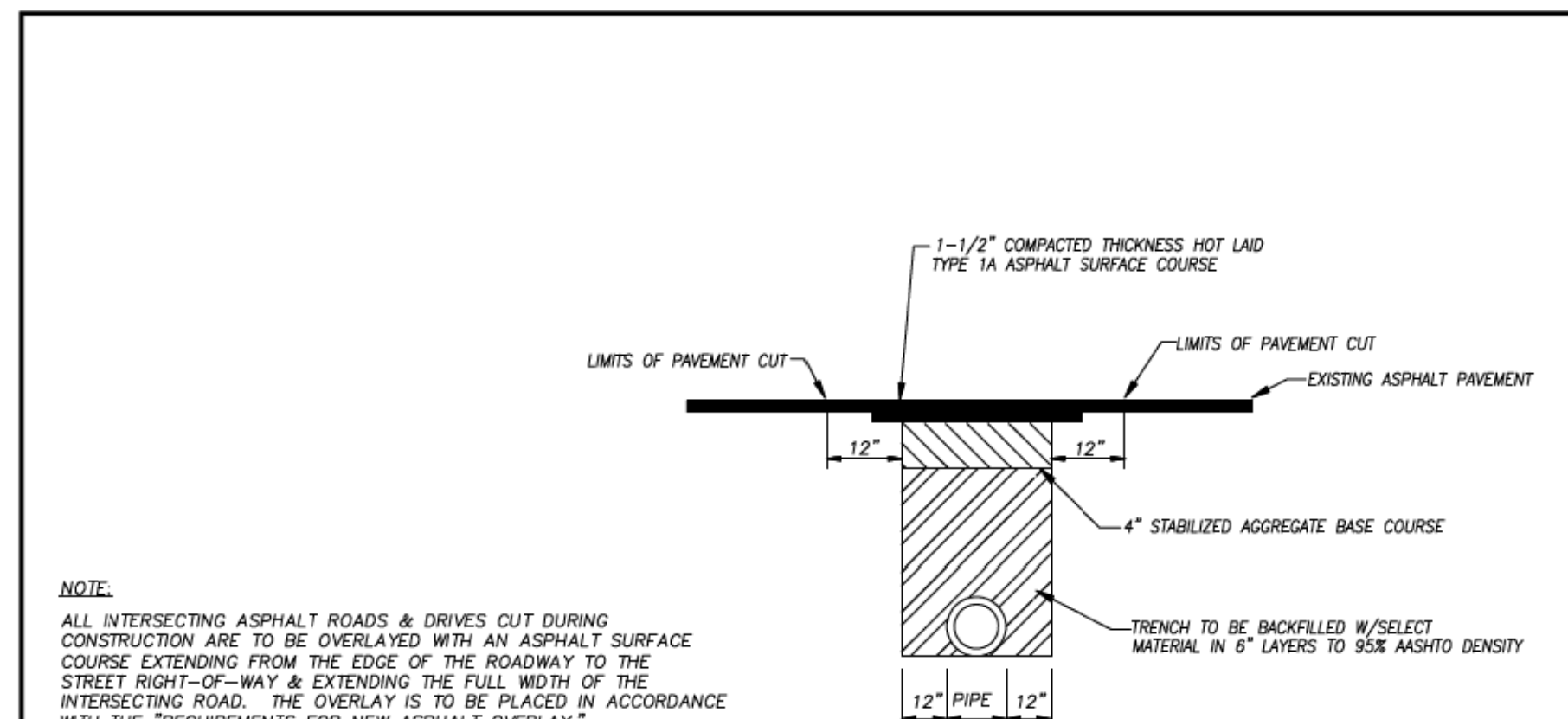
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NOTE:
CLAYS, SILTS, LOAMS, OR NONHOMOGENEOUS SOILS REQUIRE SHORING AND BRACING. THE PRESENCE OF GROUNDWATER REQUIRES SPECIAL TREATMENT.

REVISIONS		
NO.	DATE	DESCRIPTION

YORK COUNTY ENGINEERING STANDARDS	EXCAVATION AND TRENCHING APPROX. ANGLES OF REPOSE OF VARIOUS SOIL TYPES	STD. NO. 15.16 DATE 12/08
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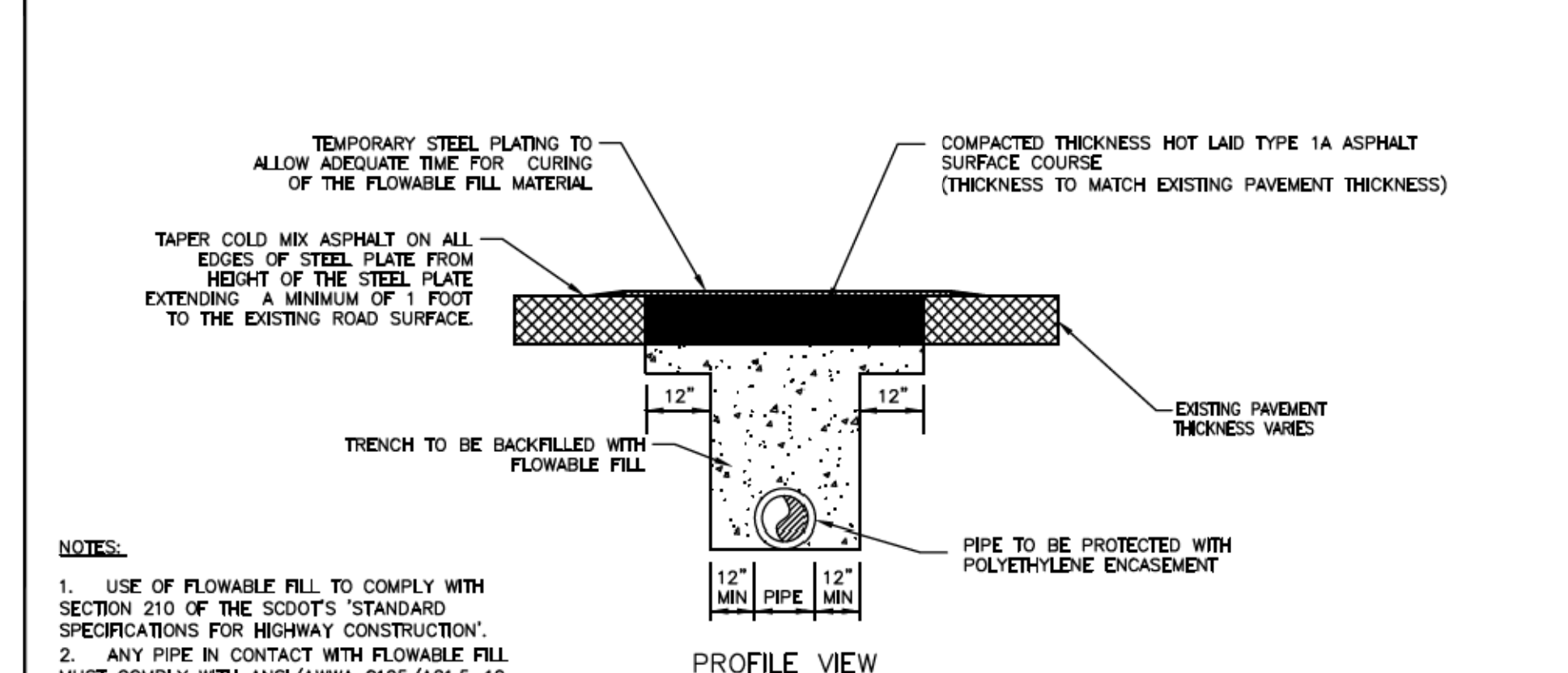


NOTE:
ALL INTERSECTING ASPHALT ROADS & DRIVES CUT DURING CONSTRUCTION ARE TO BE OVERLAPPED WITH AN ASPHALT SURFACE COURSE EXTENDING FROM THE EDGE OF THE ROADWAY TO THE STREET RIGHT-OF-WAY & EXTENDING THE FULL WIDTH OF THE INTERSECTING ROAD. THE OVERLAY IS TO BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS FOR NEW ASPHALT OVERLAY.

REQUIREMENTS FOR NEW ASPHALT OVERLAY:
A. BROOM CLEAN ALL PAVEMENT TO BE OVERLAID.
B. APPLY TACK (0.05-0.15 GAL./S.Y., TARGETING 0.10 GAL./S.Y.).
C. APPLY HOT LAID TYPE 1A ASPHALT SURFACE COURSE AT A RATE OF 150 LBS./S.Y.-IN., AND COMPACT TO 1-1/2\"/>

REVISIONS		
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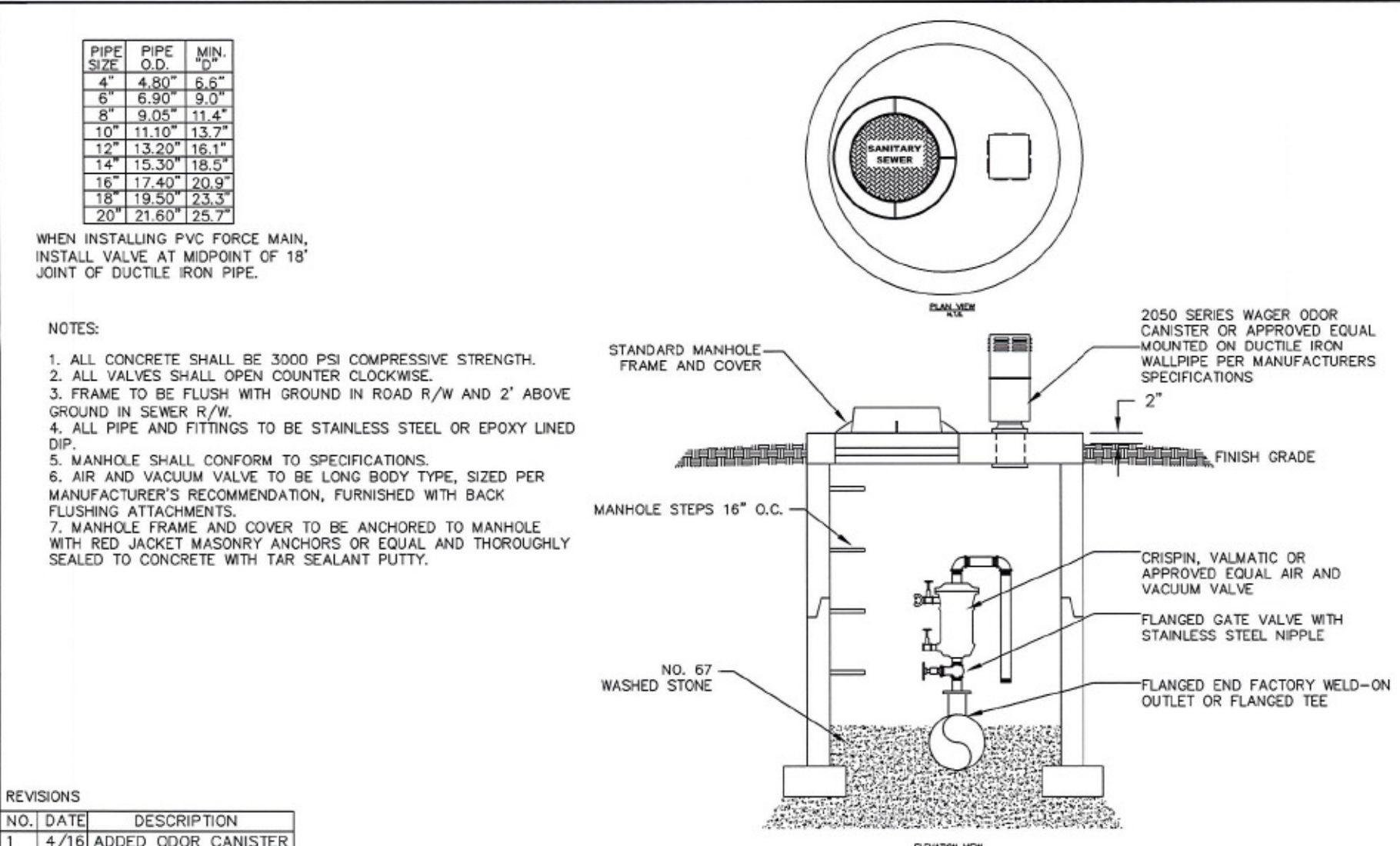
YORK COUNTY ENGINEERING STANDARDS	OPEN-CUT & REPAIR ASPHALT DRIVEWAY	STD. NO. 15.18 DATE 02/09
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NOTES:
1. USE OF FLOWABLE FILL TO COMPLY WITH SECTION 210 OF THE SCDOT'S 'STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION'.
2. ANY PIPE IN CONTACT WITH FLOWABLE FILL MUST COMPLY WITH ANSI/AWWA C105/A21.5-10, AWWA STANDARD FOR POLYETHYLENE ENCASEMENT FOR DUCTILE-IRON PIPE SYSTEMS.
3. TEMPORARY STEEL PLATING INSTALLATION MUST COMPLY WITH LOCAL JURISDICTIONAL REQUIREMENTS.

REVISIONS		
NO.	DATE	DESCRIPTION

YORK COUNTY ENGINEERING STANDARDS	OPEN-CUT & REPAIR SCDOT ROADWAY	STD. NO. 15.19 DATE 03/11
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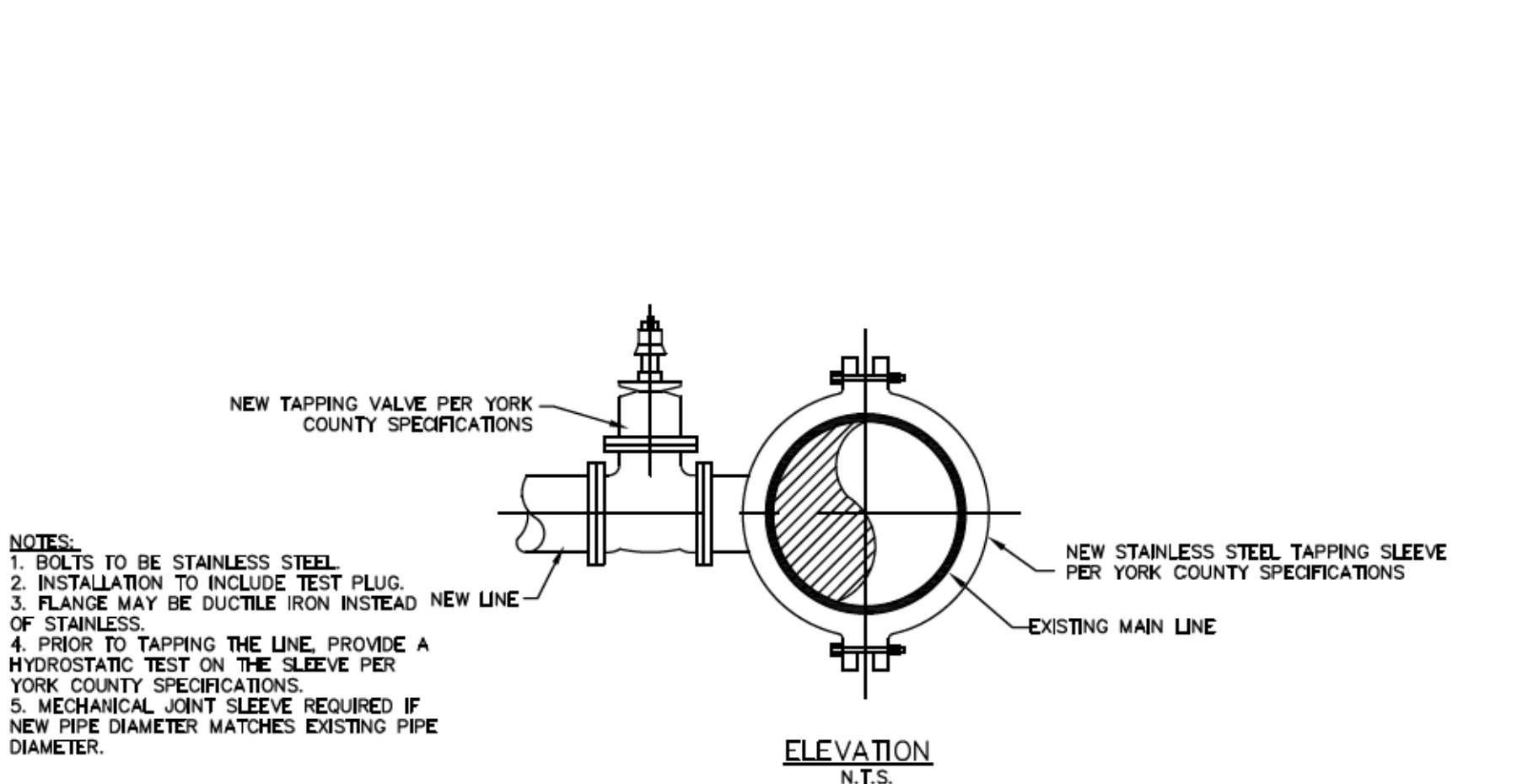


WHEN INSTALLING PVC FORCE MAIN, INSTALL VALVE AT MIDPOINT OF 18' JOINT OF DUCTILE IRON PIPE.

NOTES:
1. ALL CONCRETE SHALL BE 3000 PSI COMPRESSIVE STRENGTH.
2. ALL VALVES SHALL OPEN COUNTER CLOCKWISE.
3. FRAME TO BE FLUSH WITH GROUND IN ROAD R/W AND 2' ABOVE GROUND IN SEWER R/W.
4. ALL PIPE AND FITTINGS TO BE STAINLESS STEEL OR EPOXY LINED DIP.
5. MANHOLE SHALL CONFORM TO SPECIFICATIONS.
6. AIR AND VACUUM VALVE TO BE LONG BODY TYPE, SIZED PER MANUFACTURER'S RECOMMENDATION, FURNISHED WITH BACK FLUSHING ATTACHMENTS.
7. MANHOLE FRAME AND COVER TO BE ANCHORED TO MANHOLE WITH RED JACKET MASONRY ANCHORS OR EQUAL AND THOROUGHLY SEALED TO CONCRETE WITH TAR SEALANT PUTTY.

REVISIONS		
NO.	DATE	DESCRIPTION
1	4/16	ADDED ODOR CANISTER

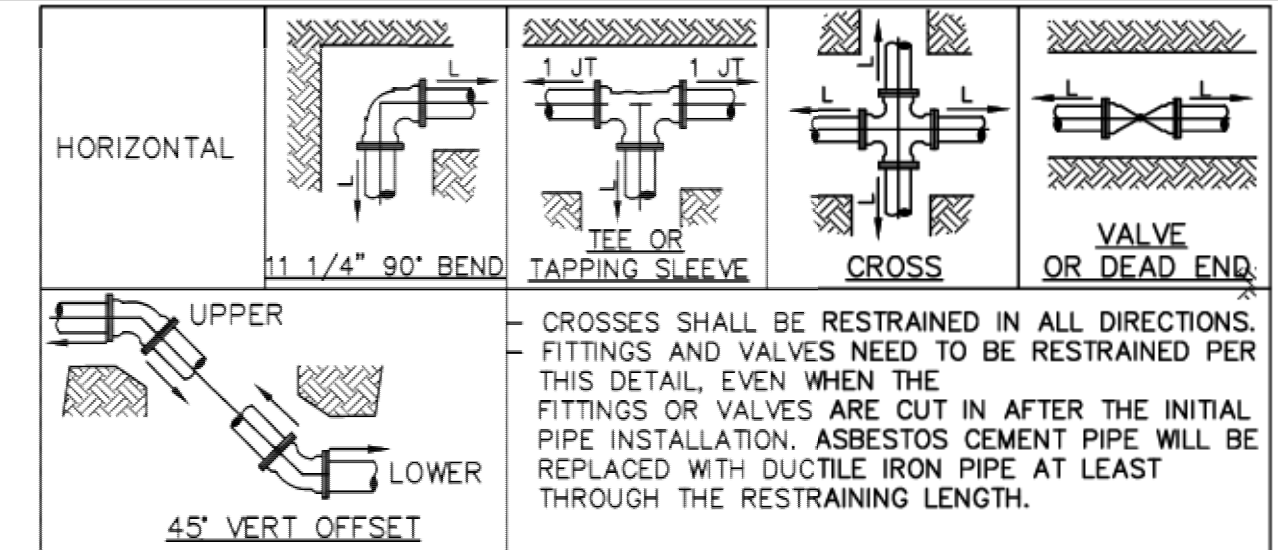
YORK COUNTY ENGINEERING STANDARDS	SEWER FORCEMAIN AIR AND VACUUM VALVE INSTALLATION	STD. NO. 13.04 DATE 04/16
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NOTES:
1. BOLTS TO BE STAINLESS STEEL.
2. INSTALLATION TO INCLUDE TEST PLUG.
3. FLANGE MAY BE DUCTILE IRON INSTEAD NEW LINE OF STAINLESS.
4. PRIOR TO TAPPING THE LINE, PROVIDE A HYDROSTATIC TEST ON THE SLEEVE PER YORK COUNTY SPECIFICATIONS.
5. MECHANICAL JOINT SLEEVE REQUIRED IF NEW PIPE DIAMETER MATCHES EXISTING PIPE DIAMETER.

REVISIONS		
NO.	DATE	DESCRIPTION
1	5/16	ADDED NOTE 5

YORK COUNTY ENGINEERING STANDARDS	TAPPING SLEEVE AND VALVE SEWER FORCEMAIN	STD. NO. 13.09 DATE 09/06
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DUCTILE IRON PIPE	HORIZONTAL, L (FEET)						45° VERTICAL OFFSET (FEET)	
	11 1/4'	22 1/2'	45'	90'	Tee or Cross	Valves and Dead End	UPPER	LOWER
8	2	4	8	17	20	37	16	5
10	2	5	10	21	27	44	19	6
12	3	5	10	24	34	52	22	6

PVC PIPE	HORIZONTAL, L (FEET)						45° VERTICAL OFFSET (FEET)	
	11 1/4'	22 1/2'	45'	90'	Tee or Cross	Valves and Dead End	UPPER	LOWER
3	2	3	5	11	5	29	13	3
4	2	3	5	12	5	32	14	3
6	2	4	7	16	18	45	19	5

THE NOTED REQUIREMENTS WERE CALCULATED IN ACCORDANCE WITH THRUST RESTRAINT CALCULATOR V6.1 BY EBAA IRON WITH THE FOLLOWING ASSUMPTIONS:
SOIL CONDITIONS: SAND (SW, SP, GW)
LAYING CONDITION: 4, SAND BEDDING, BACKFILL COMPACTED > 80%
MINIMUM COVER: 3.0 FT SAFETY FACTOR: 1.5 BARE PIPE
IF FIELD CONDITIONS DIFFER FROM THE ABOVE, CONTRACTOR SHALL NOTIFY ENGINEER.

DETAIL - RESTRAINED JOINT LENGTHS

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4				
3				
2				
1				
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
TOPO.		DATE		
DWG.		DATE	SQUAD	
R/W		DATE		

YORK COUNTY PENNIES FOR PROGRESS	
SC 557 UTILITY PLAN UTILITY DETAILS	
SCALE 1"= 50'	RTE. SC 557 DWG. NO.

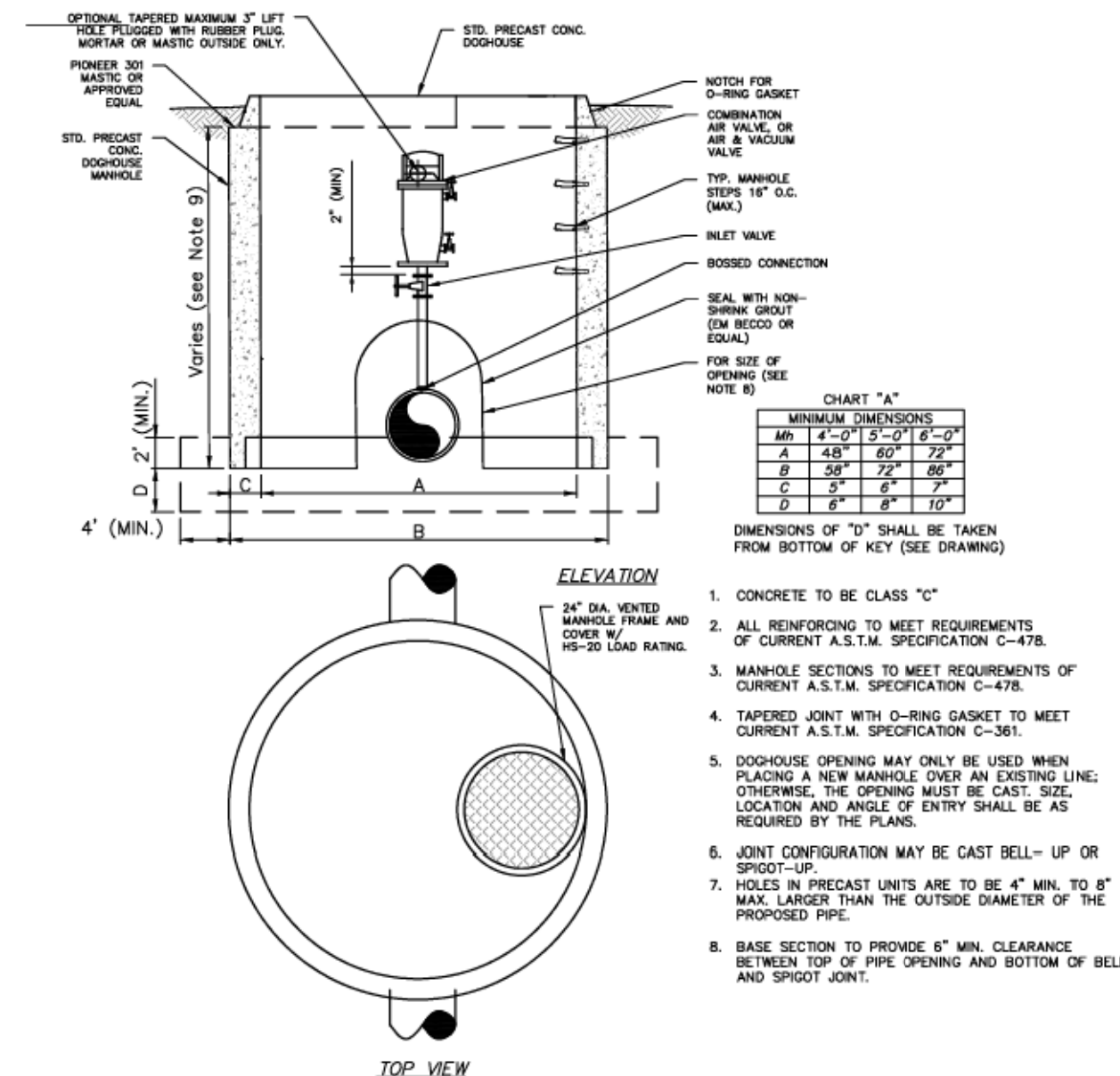
MICHAEL D. ALLEN
REGISTERED PROFESSIONAL ENGINEER
STATE OF SOUTH CAROLINA
LICENSE NO. 000957

NV|5

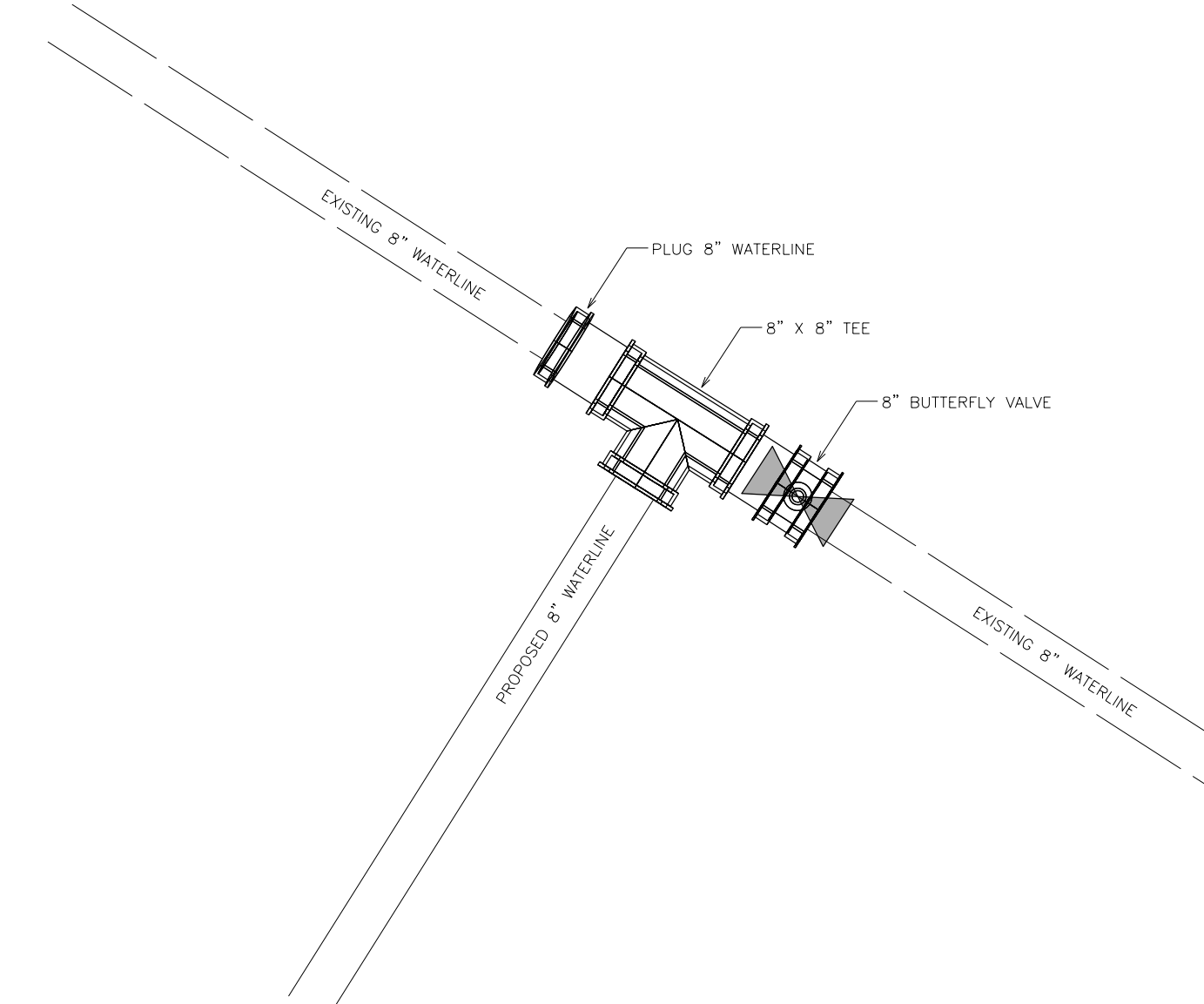
NV5 ENGINEERS & CONSULTANTS, INC.
448 LAKESHORE PARKWAY, SUITE 215
ROCK HILL, SC 29730
P: 803.376.8402 www.NV5.com
SC License # 997
formerly CALYX Engineers & Consultants

Pipe Size	Depth < 6'	6' < Depth < 12'	12' < Depth
3"ø	2.4'	4.4'	6.4'
4"ø	2.4'	4.4'	6.4'
6"ø	2.6'	4.6'	6.6'
8"ø	2.7'	4.7'	6.7'
10"ø	2.9'	4.9'	6.9'
12"ø	3.1'	5.1'	7.1'
14"ø	3.3'	5.3'	7.3'
16"ø	3.4'	5.4'	7.4'
18"ø	3.6'	5.6'	7.6'
20"ø	3.8'	5.8'	7.8'
24"ø	4.1'	6.1'	8.1'

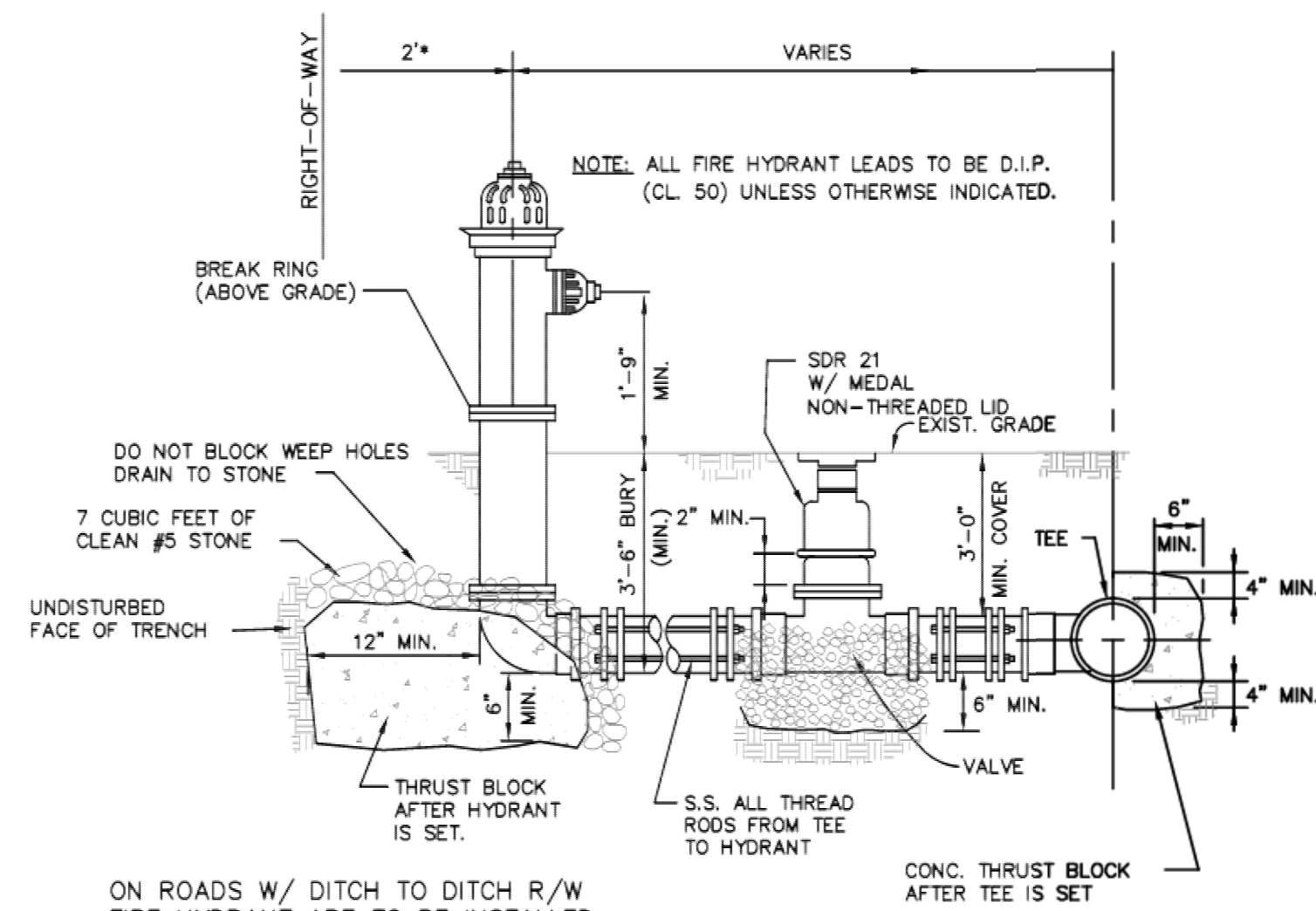
TRENCH WIDTH TABLE
SCALE: N.T.S.



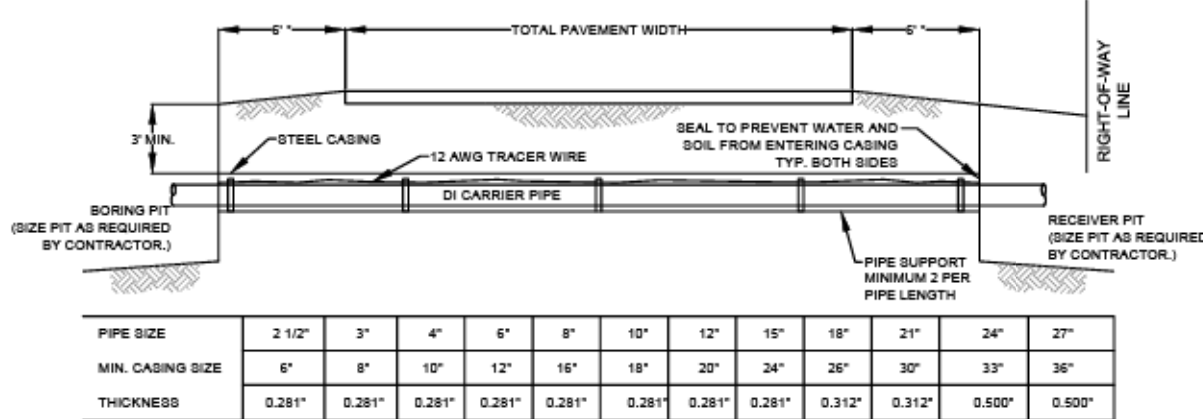
DETAIL - AIR/VACUUM VALVE OR COMBINATION AIR RELEASE AIR VALVE
SCALE: N.T.S.



RIDGE ROAD WATERLINE CONNECTION -- STA: 14+08.76



FIRE HYDRANT, VALVE & TEE SETTING
SCALE: N.T.S.

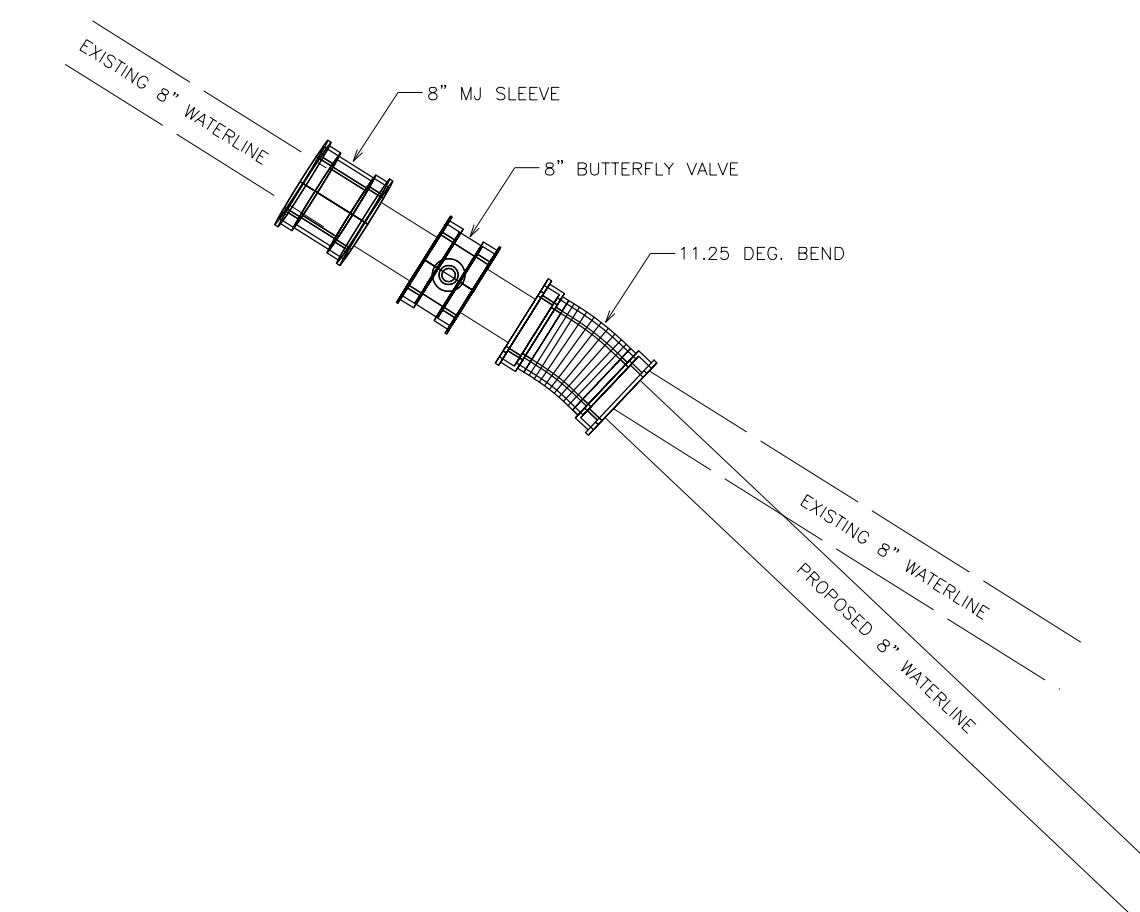


PIPE SIZE	2 1/2"	3"	4"	6"	8"	10"	12"	15"	18"	21"	24"	27"
MIN. CASING SIZE	6"	8"	10"	12"	16"	18"	20"	24"	26"	30"	33"	36"
THICKNESS	0.281"	0.281"	0.281"	0.281"	0.281"	0.281"	0.281"	0.312"	0.312"	0.600"	0.600"	0.600"

* ON CONVENTIONAL HIGHWAYS, AS A MINIMUM, THE CASING PIPE SHALL EXTEND TO THE SHOULDER BREAK OR 6 FEET BEYOND THE EDGE OF PAVEMENT ON FULL SLOPES, WHICHEVER IS THE GREATER, 3 FEET BEYOND THE DITCH LINE IN CUTS; AND ON CURVED SECTIONS TO THE BACK OF THE SIDEWALK AREA. THE CASING PIPE SHALL BE SEALED AT THE ENDS TO PREVENT FLOWING WATER AND DEBRIS FROM ENTERING THE ANNULAR SPACE BETWEEN THE CASING AND THE CARRIER. THE INSTALLATION SHALL INCLUDE NECESSARY APPURTENANCES, SUCH AS VENTS AND MARKERS.

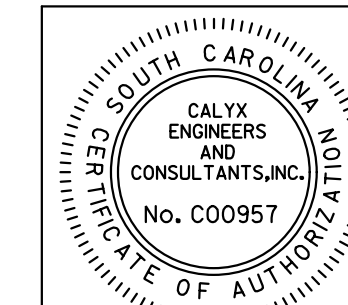
- NOTES:
- ALL PIPE UNDER CITY, COUNTY OR STATE HIGHWAYS, RAILROADS, PIPELINES AND OTHER PUBLIC OR PRIVATE RIGHTS-OF-WAY SHALL BE INSTALLED IN ACCORDANCE WITH THE HIGHWAY DEPARTMENT, RAILROAD OR AGENCY HAVING JURISDICTION, OWNERSHIP OR GOVERNING AUTHORITY. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH THE NECESSARY CONSTRUCTION PERMITS OR AGREEMENTS TO ENTER SAID RIGHTS-OF-WAY.
 - CONTRACTOR TO FIELD VERIFY ROAD WIDTHS, BORE LENGTHS, & LOCATIONS OF CONFLICTING UTILITIES PRIOR TO BIDDING.
 - IF EXISTING UTILITIES CONFLECT WITH BORE PIT AREA, BORE PIT MAY NEED TO BE SHIFTED TO AVOID UTILITIES.
 - CARRIER PIPE TYPICALLY DUCTILE IRON WITH MECHANICAL JOINTS.
 - FOR RAILROAD BORE CASINGS, THE MINIMUM LENGTH OF CASING IS TO BE 25' PERPENDICULAR FROM THE CENTER OF THE TRACK TO THE END OF BORE CASING EITHER SIDE OF THE CENTER.
 - FOR RAILROAD BORE CASINGS, A MINIMUM OF 3' CLEARANCE SHALL BE MAINTAINED FROM THE BOTTOM OF RAILWAY TRACK TO THE TOP OF THE BORE CASING.
 - SECURE CARRIER PIPE TO ENCASMENT WITH 3/4" ALL THREAD ROD USING MEGA-LUG ON THE PIPE AND WELDING A J-BOLT TO THE ENCASMENT PIPE.

JACK AND BORE FOR DOT
SCALE: N.T.S.



SC 557 WATERLINE CONNECTION -- STA: 10+04.25

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 NV5 ENGINEERS & CONSULTANTS, INC.
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TOPO.		DATE	
DWG.		DATE	
R/W		DATE	

YORK COUNTY
PENNIES FOR PROGRESS

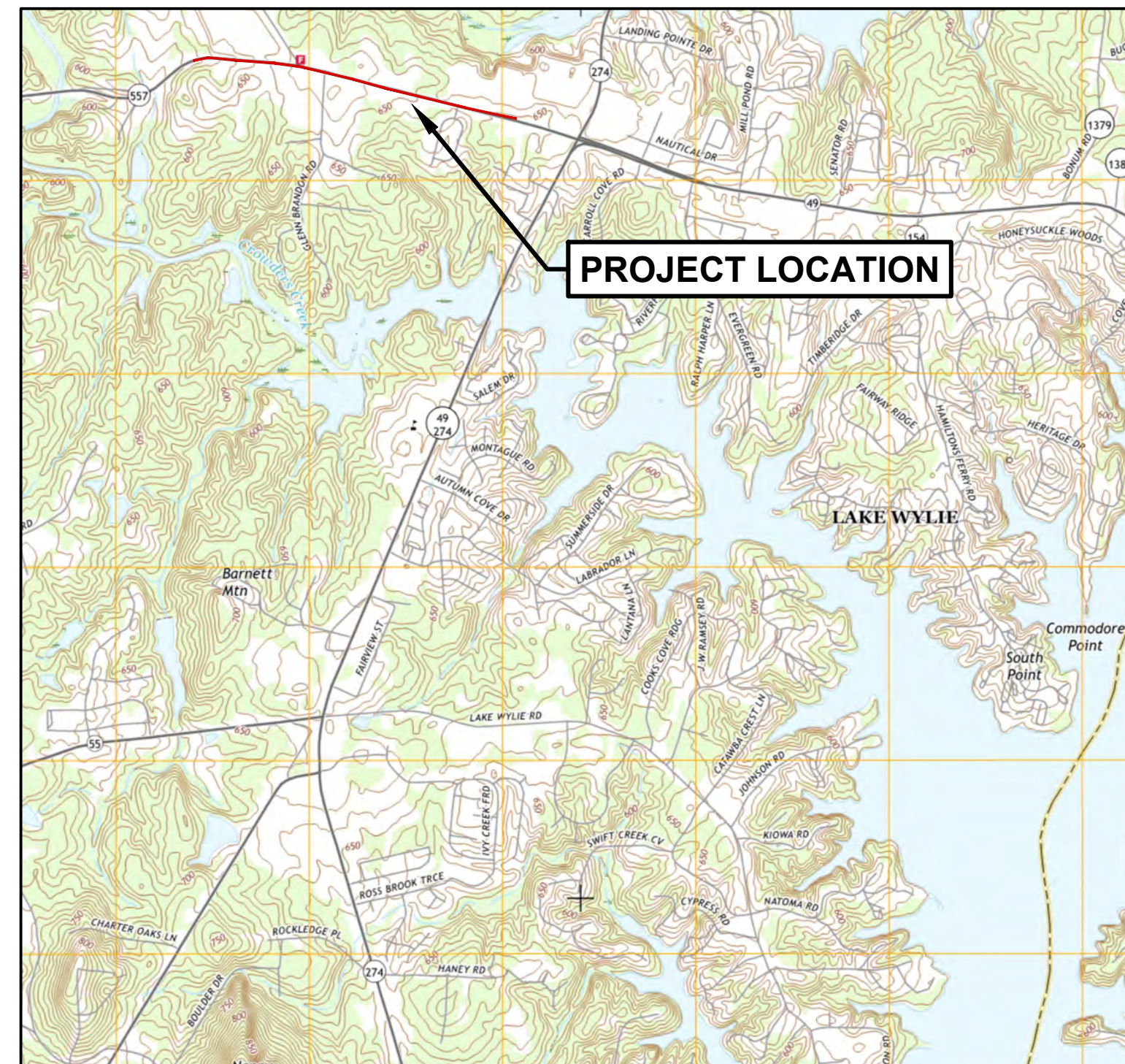
**SC 557 UTILITY PLAN
UTILITY DETAILS**

SCALE 1"= 50' RTE. SC 557 DWG. NO.

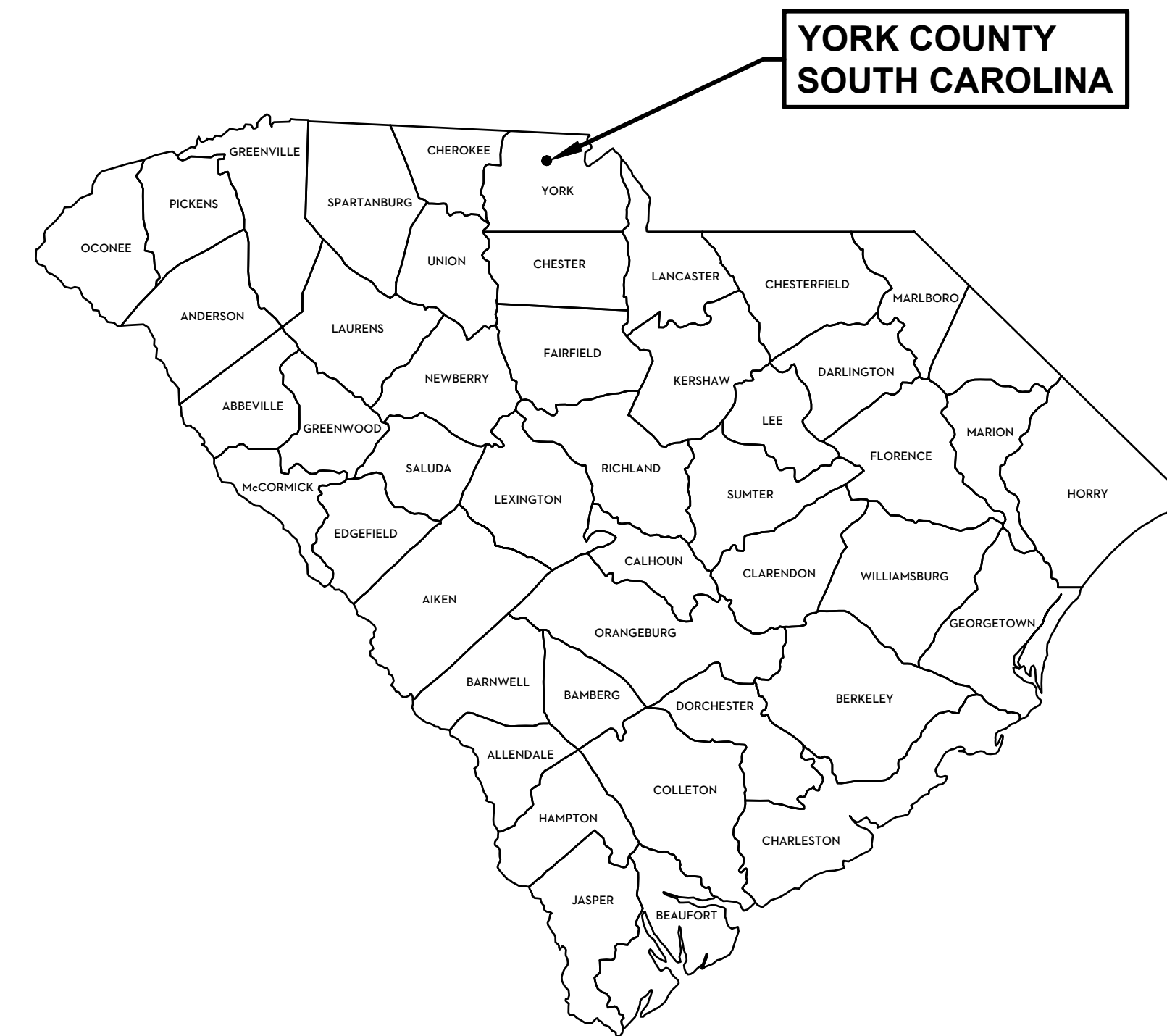
HIGHWAY 557 UTILITIES RELOCATION FOR BLUE GRANITE WATER COMPANY YORK COUNTY, SOUTH CAROLINA

JOB NUMBER CGRE180016
MAY 2022

INDEX TO DRAWINGS		
SHT NO.	SEQ NO.	DESCRIPTION
GENERAL		
1	G-001	TITLE SHEET & VICINITY MAP
2	G-002	GENERAL NOTES, ABBREVIATIONS & LEGENDS
CIVIL		
3	C-101	PROJECT MAP
4	C-102	WATERLINE RELOCATION STA. 0+00 - 14+00
5	C-103	WATERLINE RELOCATION STA. 14+00 - 28+00
6	C-104	WATERLINE RELOCATION STA. 28+00 - 42+00
7	C-105	WATERLINE RELOCATION STA. 42+00 - 47+15
8	C-106	WATERLINE CONNECTION DETAILS
9	C-201	FORCEMAIN RELOCATION STA. 0+00 -19+19
10	C-501	MISCELLANEOUS DETAILS
11	C-502	MISCELLANEOUS DETAILS



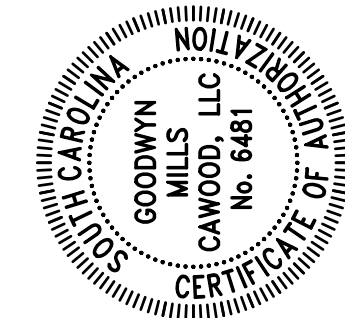
VICINITY MAP
NOT TO SCALE



LOCATION MAP
STATE OF SOUTH CAROLINA

CONTACTS			
DESCRIPTION	NAME	PHONE NUMBER	EMAIL ADDRESS
OWNER	TRAVIS DUPREE	864.395.3571	TRAVIS.DUPREE@CORIX.COM
PROJECT MANAGER	TYLER MORGAN, PE	864.527.0460	TYLER.MORGAN@GMCNETWORK.COM
PROJECT ENGINEER	TYLER MORGAN, PE	864.527.0460	TYLER.MORGAN@GMCNETWORK.COM

GMC UC15
617 East McBee Ave. Suite 200
Greenville, SC 29601
T 864.527.0460

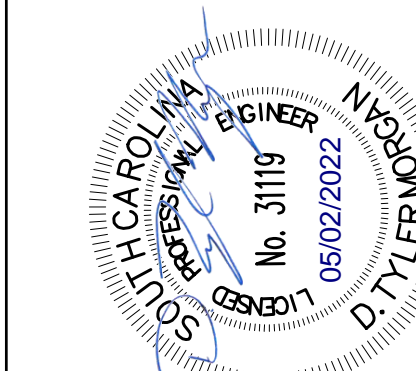


ISSUE	DATE	ISSUED FOR	DTM	RBS
ISSUED FOR BID	05/02/2022			
DESIGNER:				
DRAWN BY:				

HIGHWAY 557 UTILITIES
RELOCATION

YORK COUNTY, SC

CGRE180016
NOT - RELEASED FOR CONSTRUCTION



TITLE SHEET & VICINITY MAP

G-001
SHEET 1 OF 11

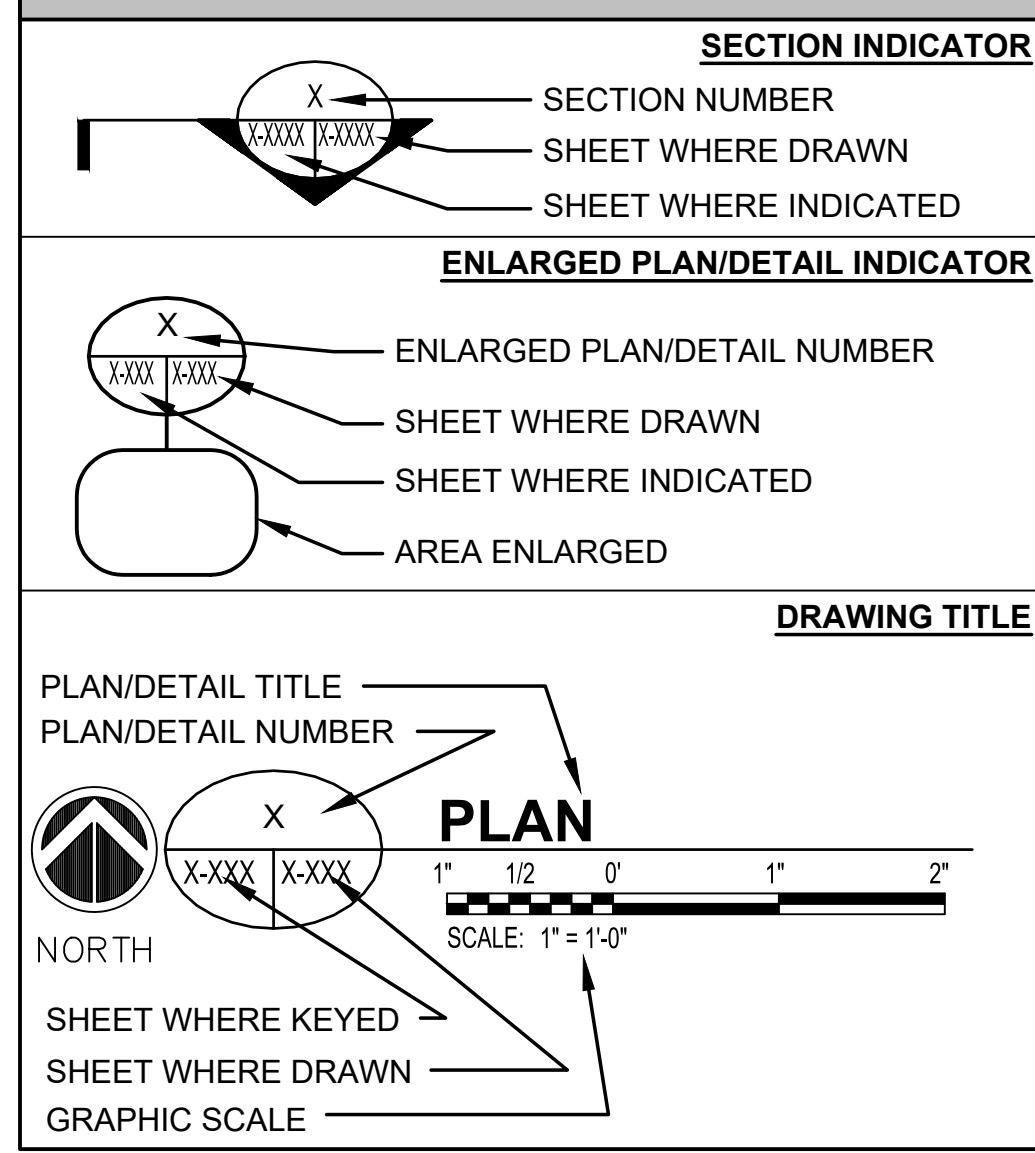
GENERAL NOTES

- 1. THE CONTRACTOR IS EXPECTED TO CAREFULLY EXAMINE THE PLANS, PROPOSAL AND SITE OF THE WORK. THEREFORE, IT WILL BE ASSUMED THAT THE CONTRACTOR HAS SATISFIED HIMSELF AS TO THE CONDITIONS TO BE ENCOUNTERED IN REGARDS TO THE CHARACTER, QUALITY, AND QUANTITIES OF WORK TO BE PERFORMED AND MATERIALS TO BE FURNISHED, AND AS TO THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS, SPECIAL PROVISIONS AND CONTRACT. THE SUBMISSION OF A PROPOSAL BY A CONTRACTOR WILL BE CONSIDERED PRIMA FACIE EVIDENCE THAT THE CONTRACTOR HAS MADE SUCH AN EXAMINATION.
- 2. THE CONTRACTOR IS REQUIRED TO MAINTAIN AN AS-BUILT SET OF DRAWINGS DURING PROJECT CONSTRUCTION. THE COMPLETE AS-BUILT MAP WILL CONTAIN ALL INSTALLED LINES, VALVES, METERS, AND CONNECTIONS WITH REFERENCE DISTANCES TO PERMANENT ABOVE GROUND STRUCTURES.
- 3. ALL EXISTING UTILITIES SHOWN ABOVE AND BELOW GROUND ARE APPROXIMATE AND ARE NOT NECESSARILY ALL THAT EXIST. THE DETERMINATION OF THE EXISTENCE, LOCATION, AND DEPTH OF ALL UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 4. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED BY THE CONTRACTOR FOR ONE YEAR AFTER ACCEPTANCE BY THE OWNER.
- 5. ALL HAZARDOUS SUBSTANCES USED FOR THIS PROJECT, INCLUDING, BUT NOT LIMITED TO, PAINT, OIL, GREASE, AND OTHER PETROLEUM PRODUCTS SHALL BE STORED IN ACCORDANCE WITH SPCC REGULATIONS. THESE SUBSTANCES SHALL BE STORED AWAY FROM STORM DRAINS, DITCHES, AND GUTTERS IN WATERTIGHT CONTAINERS. DISPOSAL OF THESE SUBSTANCES SHALL BE IN ACCORDANCE WITH STATE & FEDERAL AGENCY REGULATIONS. THE CONTRACTOR SHALL PROVIDE ADEQUATE TRASH CONTAINERS ON SITE FOR THE DISPOSAL OF CONSTRUCTION MATERIALS WASTE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING ANY TRASH OR OTHER POLLUTANTS FROM ENTERING STORM DRAINS.
- 6. ANY PROPERTY CORNERS OR PERMANENT SURVEY MARKERS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BY A LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- 7. ANY PAVEMENT OR CURBING DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED AND RESTORED TO LIKE OR BETTER CONDITION.
- 8. SITE SECURITY AND EQUIPMENT STORAGE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND RESET FENCING TO ORIGINAL CONDITION WHERE REQUIRED AT NO ADDITIONAL COST.
- 10. THE MAXIMUM LENGTH OF AREA DISTURBED BEFORE SOIL STABILIZATION TECHNIQUES WILL BE REQUIRED HAS BEEN SET TO 500 FT. ALL DISTURBED AREAS ALONG THE PIPELINE SHALL BE GRASSED AS SOON AS POSSIBLE AFTER BACKFILLING OPERATIONS HAVE BEEN COMPLETED.
- 11. EXCAVATION AND BACKFILLING ACTIVITIES SHALL BE IN ACCORDANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) OF 1970 (PL 91-596), AS AMENDED. PARTICULAR ATTENTION SHALL BE PAID TO THE SAFETY AND HEALTH REGULATIONS PART 1926, SUBPART P "EXCAVATION, TRENCHING, AND SHORING" AS DESCRIBED IN OSHA PUBLICATION 2226.
- 12. ALL DIMENSIONS, STATIONS, COORDINATES, ELEVATIONS, ETC. SHOWN ON THESE PLANS ARE IN FEET UNLESS OTHERWISE NOTED.
- 13. THE CONTRACTOR SHALL REMOVE FROM THE SITE, AND DISPOSE OF LEGALLY, ANY AND ALL MATERIALS AND DEBRIS THAT RESULT FROM CONSTRUCTION OPERATIONS, INCLUDING BUT NOT LIMITED TO RESIDUAL CUT MATERIALS, AND DEMOLITION MATERIALS, AT NO ADDITIONAL COST TO THE OWNER.
- 14. BURNING IS NOT PERMITTED.
- 15. CLEARING AND GRUBBING LIMITS SHALL BE LIMITED TO AREAS DISTURBED BY GRADING OPERATIONS.
- 16. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATING & PROTECTING OF EXISTING ABOVE AND BELOW GROUND UTILITIES AND STRUCTURES. ANY AND ALL MAINS, LINES OR INDIVIDUAL SERVICES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER.
- 17. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS ONSITE AND NOTIFY THE ENGINEER OF ANY DIMENSIONAL ERRORS, OMISSIONS OR DISCREPANCIES IN WRITING PRIOR TO BEGINNING WORK.
- 18. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING CONSTRUCTION STAKING FOR ALL IMPROVEMENTS. THE LOCATIONS OF ALL IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS.
- 19. THE CONTRACTOR MUST ADJUST ALL VALVE BOXES, COVERS, METERS, FIRE HYDRANTS, AND OTHER WATER SERVICE APPURTENANCES, TO FINAL GRADE. THE COST OF THESE ADJUSTMENTS SHALL BE INCLUDED IN THE BID PRICE.

SPECIAL DOT INSTALLATION IN RIGHT-OF-WAY NOTES

- 1. A PORTION OF THE WORK IS TO BE PERFORMED WITHIN THE EXISTING SCDOT RIGHT-OF-WAY.
- 2. THE CONTRACTOR IS NOT TO BEGIN CONSTRUCTION UNTIL A TRAFFIC CONTROL PLAN HAS BEEN SUBMITTED AND APPROVED BY THE YORK COUNTY MAINTENANCE OFFICE.
- 3. THE CONTRACTOR SHOULD COORDINATE WITH OTHER UTILITIES IN THE AREA TO PREVENT CONFLICTS.
- 4. MESSAGE BOARDS SHOULD BE PLACED 5-7 BUSINESS DAYS PRIOR TO STARTING CONSTRUCTION.
- 5. TRAFFIC CONTROL IS TO BE INSTALLED AND MAINTAINED ACCORDING TO SCDOT STANDARDS.
- 6. THE CONTRACTOR IS TO CONTINUALLY MONITOR ALL TRAFFIC CONTROL DEVICES.
- 7. ALL WARNING SIGNS ARE TO MOVE IN CONJUNCTION WITH THE WORK AREA.
- 8. WATER-FILLED BARRICADES ON THE END SHOULD BE ANGLES AND FILLED AT LEAST HALF WAY.
- 9. WATER-FILLED BARRICADES SHOULD BE PLACED ON THE INSIDE OF THE WHITE LINE OF THE CLOSED LANE.
- 10. LOCATE UTILITIES AND DRAINAGE IN THE PROJECT AREA PRIOR TO STARTING WORK.
- 11. MINIMUM DEPTH OF 48" UNDER THE ROAD AND 36" BELOW THE DITCH LINE.
- 12. MINIMUM 2' HORIZONTAL OFFSET FROM ANY DRAINAGE STRUCTURE.
- 13. NOTIFY YORK COUNTY MAINTENANCE OFFICE AT LEAST 48 HOURS PRIOR TO PATCHING.
- 14. NO OPEN EXCAVATION LEFT ALONG ROAD.
- 15. VALVES SHOULD CONFORM TO THE ELEVATION OF THE FINISHED RIDING SURFACE.
- 16. EQUIPMENT AND MATERIALS SHOULD BE PLACED IN SUCH A MANNER THAT SIGHT DISTANCE IS NOT IMPEDED.
- 17. RESTORE ANY DAMAGED OR REMOVED PAVEMENT MARKINGS PER SCDOT STANDARDS.
- 18. SECURE ALL MATERIALS TO AVOID UNWANTED MOVEMENT.
- 19. REMOVE ALL DEBRIS (MUD, ROCK, ETC.) FROM THE ROAD AND SHOULDER IMMEDIATELY.
- 20. ALL DEBRIS SHOULD BE REMOVED AND DISPOSED OF PROPERLY OFF RIGHT-OF-WAY.
- 21. RESTORE AND RESEED SHOULDER TO ENSURE POSITIVE DRAINAGE AND FINAL STABILIZATION.
- 22. FAILURE TO COMPLY WITH THESE REQUIREMENTS WILL RESULT IN A STOP WORK ORDER UNTIL THESE ISSUES ARE IN COMPLIANCE.

GRAPHICS LEGEND



EXISTING LEGEND

EXISTING 100 YEAR FLOOD PLAN	---
EXISTING AIR LINE: BURIED	---AIR---
EXISTING BORE HOLE	⊗
EXISTING CENTERLINE	---
EXISTING CONCRETE MONUMENT	□
EXISTING CONTOUR- GRADE	---123---
EXISTING DITCH AND/OR CREEK	---
EXISTING ELECTRICAL: BURIED	---BE---
EXISTING ELECTRICAL LINE: OVERHEAD	---OE---
EXISTING FENCE LINE	---X---
EXISTING FIBER OPTIC: BURIED	---BFO---
EXISTING FITTINGS	⊕ ⊖ ⊗ ⊘
EXISTING FIRE HYDRANT	⊗
EXISTING FLUSH HYDRANT	⊕
EXISTING GAS MAIN	---GM---
EXISTING GAS METER	⊕
EXISTING GAS REGULATOR	⊕
EXISTING GAS VALVE	⊗
EXISTING GRATE INLET	⊕
EXISTING GUY WIRE	⊕
EXISTING IRON PIN	⊗
EXISTING LIGHT POLE	⊕
EXISTING MANHOLE	⊕
EXISTING NAIL SET	⊗
EXISTING PIPING	---
EXISTING POWER BOX	⊕
EXISTING POWER POLE	⊗
EXISTING PROPERTY LINE	---
EXISTING RAIL ROAD TRACKS	|||||
EXISTING REDUCER	▶
EXISTING RIGHT OF WAY	---
EXISTING SANITARY SEWER FORCE MAIN	---FM---
EXISTING SANITARY SEWER MAIN	---SS---
EXISTING SIGN	⊕
EXISTING STORM SEWER DRAIN LINE	---STM---
EXISTING TBM (BENCH MARK)	⊗
EXISTING TELEPHONE: BURIED	---BT---
EXISTING TELEPHONE PEDESTAL	⊕
EXISTING TREE LINE	---
EXISTING TREE LINE TO BE REMOVED	---
EXISTING WATER MAIN	---W---
EXISTING WATER METER	⊕
EXISTING WATER VALVE	⊕
EXISTING WELL	⊕
EXISTING WETLANDS BOUNDARY	---

PROPOSED LEGEND

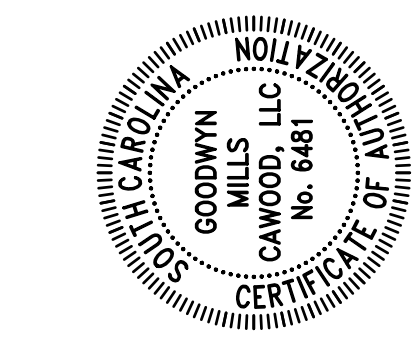
PROPOSED AIR RELEASE VALVE	ARV
PROPOSED BLOWOFF	⊕
PROPOSED BORE CROSSING	---
PROPOSED BUFFER	---
PROPOSED CONTOUR- GRADE	---123---
PROPOSED EASEMENT	---
PROPOSED TEMPORARY CONSTRUCTION EASEMENT	---
PROPOSED FENCE LINE	---X---
PROPOSED FIRE HYDRANT ASSEMBLY	⊕
PROPOSED FITTINGS	⊕ ⊖ ⊗ ⊘
PROPOSED FLUSH HYDRANT	⊕
PROPOSED FORCEMAIN	---
PROPOSED GAS MAIN: BURIED	---GM---
PROPOSED GAS METER	⊕
PROPOSED GAS REGULATOR	⊕
PROPOSED GAS VALVE	⊗
PROPOSED GRAVITY SEWER W/ MANHOLE	---
PROPOSED OPEN/CUT PAVEMENT PATCH	---
PROPOSED REDUCER	▶
PROPOSED SEDIMENT TUBE	---
PROPOSED SILT FENCE	---XX---
PROPOSED TAPPING SLEEVE & VALVE	---
PROPOSED TREE LINE	---
PROPOSED TRENCH PLUG	⊕
PROPOSED WATER METER	⊕
PROPOSED WATER VALVE	⊕

ABBREVIATIONS

ASP	ASPHALT
AR	AUGER REFUSAL
ARV	AIR RELEASE VALVE
BF	BLIND FLANGE
BFV	BUTTERFLY VALVE
BO	BLOWOFF
BT	BORING TERMINATION
CL	CENTERLINE
CIP	CAST IN PLACE
CO	CLEANOUT
CMP	CORRUGATED METAL PIPE
CPP	CORRUGATED PLASTIC PIPE
DI	DUCTILE IRON
EG	EXISTING GRADE
EL	ELEVATION
EX	EXISTING
FM	FORCE MAIN
HDPE	HIGH DENSITY POLYETHYLENE
HYD	HYDRANT
INV	INVERT
LF	LINEAR FEET
MIN.	MINIMUM
MJ	MECHANICAL JOINT
PC	PRESSURE CLASS
PP	POWER POLE
PROP	PROPOSED
PRV	PRESSURE REGULATING VALVE
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RJ	RESTRAINED JOINT
RW	RIGHT-OF-WAY
SS	SANITARY SEWER
VAR.	VARIOUS
WT	WATERTIGHT

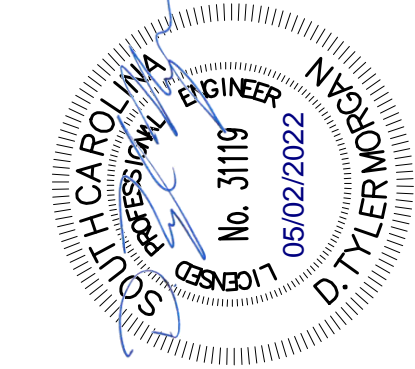
HATCHING LEGEND

DESCRIPTION	EXISTING	PROPOSED
ASPHALT PAVING (PLAN)		
RIP RAP		
CONCRETE (PLAN)		
CONCRETE (SECTION)		
CRUSHED STONE (SECTION)		
EARTH OR BACKFILL (SECTION)		
REMOVAL OR DEMOLITION (PLAN & SECTION)		
UNPAVED DRIVE (PLAN)		
WETLANDS		
100-YR FLOOD PLAIN		
PERMANENT ACCESS EASEMENT		
GEOTECHNICAL MATTING MATERIAL		



ISSUE /	DATE	ISSUE /	DATE
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DRAWN BY:		RBS	

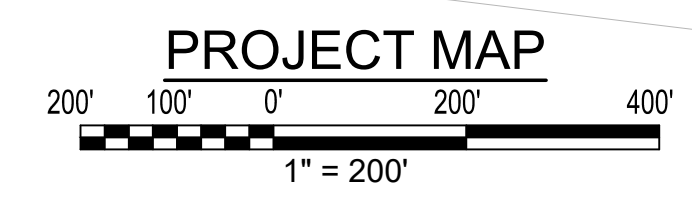
HIGHWAY 557 UTILITIES RELOCATION YORK COUNTY, SC CGRE180016 NOT - RELEASED FOR CONSTRUCTION



GENERAL NOTES, ABBREVIATIONS & LEGENDS G-002 SHEET 2 OF 11



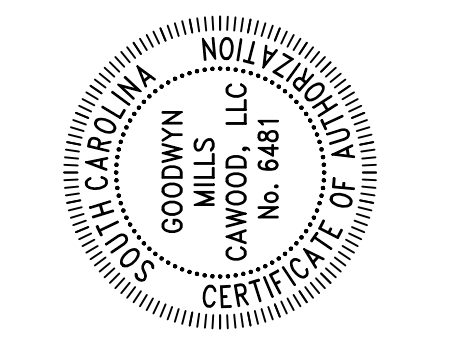
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PLOTTED: May 10, 2022 - 10:28am



UC17

GMC

617 East McBee Ave, Suite 200
Greenville, SC 29601
T 864.527.0460



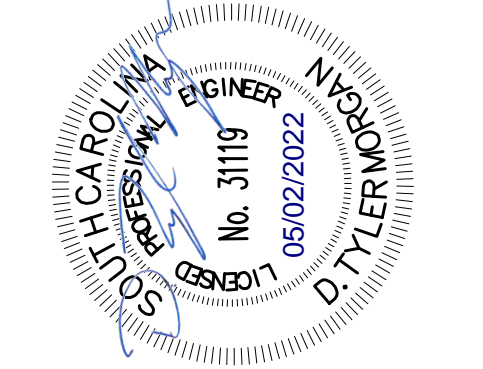
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**HIGHWAY 557 UTILITIES
RELOCATION**

YORK COUNTY, SC

CGRE180016

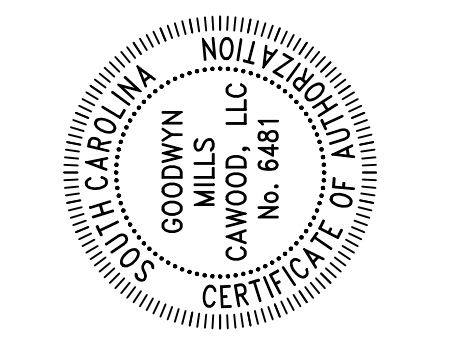
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PROJECT MAP

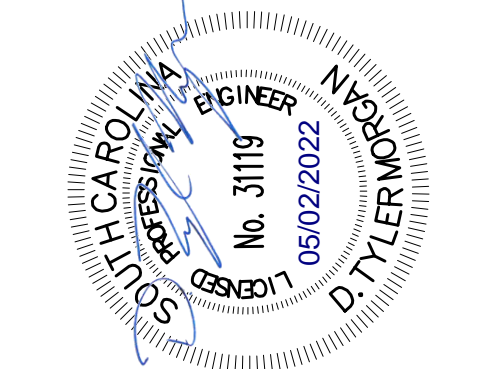
C-101

SHEET 3 OF 11

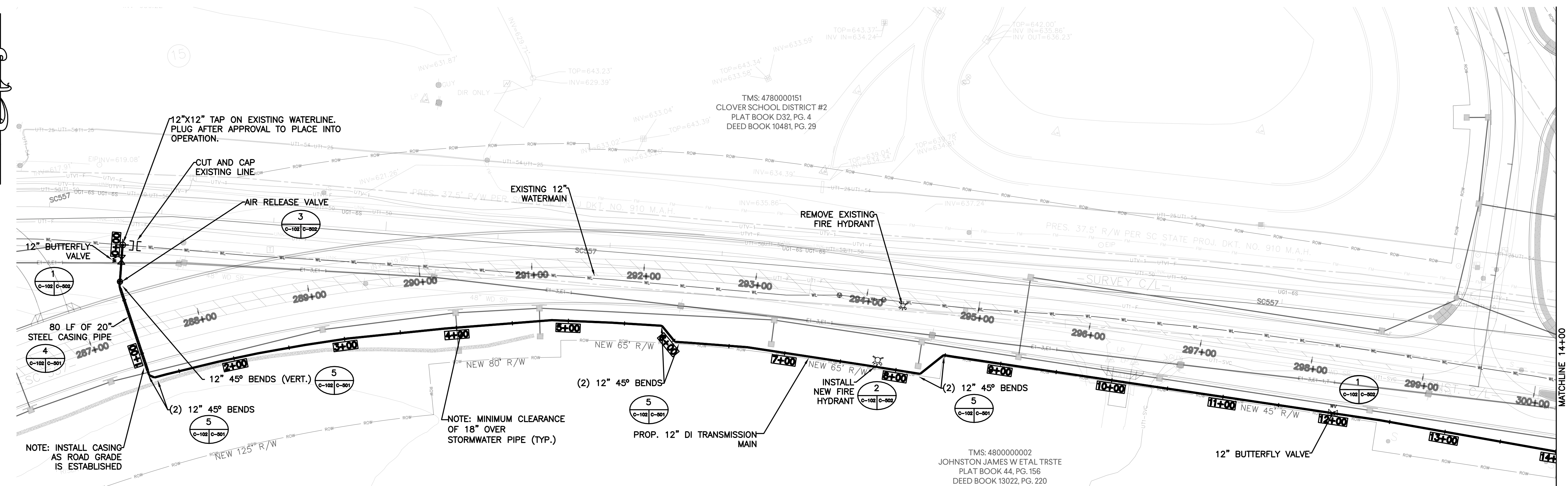


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DESIGNER:			DTM
DRAWN BY:			RSB

HIGHWAY 557 UTILITIES
 RELOCATION
 YORK COUNTY, SC
 CGRE180016
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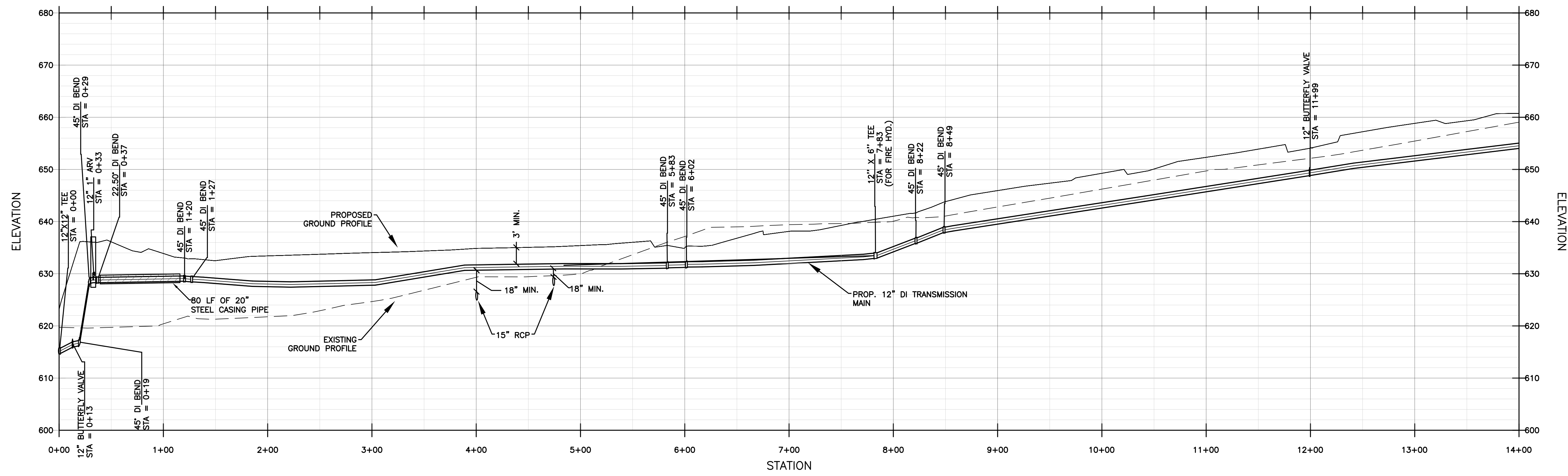


WATERLINE RELOCATION
 STA. 0+00 TO 14+00
C-102
 SHEET 4 OF 11



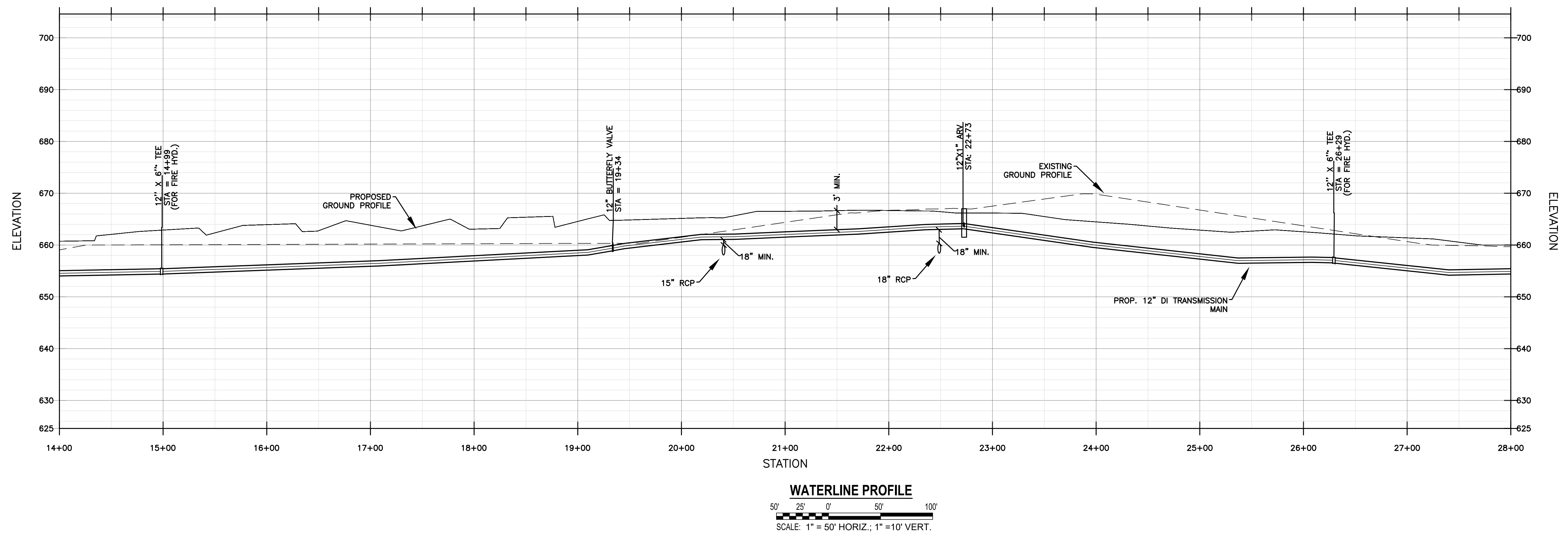
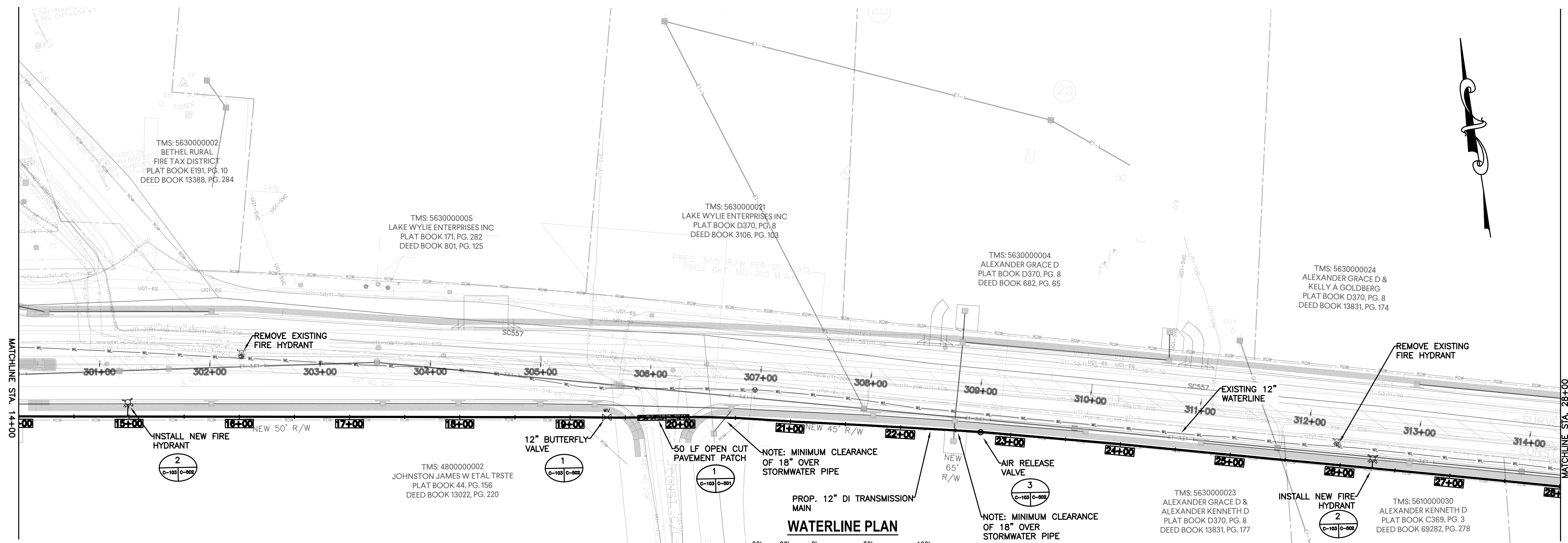
WATERLINE PLAN
 SCALE: 1" = 50'

- NOTES**
1. RECONNECT ALL SERVICE CONNECTIONS ALONG HIGHWAY 557 USING TAPPING SADDLE AND TYPE K COPPER SERVICE LINE TO METER.
 2. ALL ABANDONED WATERLINE TO BE REMOVED AND DISPOSED OF OFF SITE ACCORDING TO STATE AND LOCAL REGULATIONS AFTER NEW WATERLINE IS IN OPERATION.
 3. COORDINATE SERVICE OUTAGES WITH BLUE GRANITE WATER COMPANY.

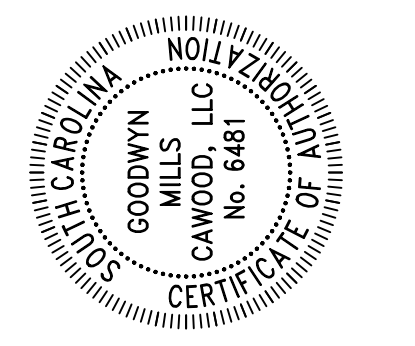


WATERLINE PROFILE
 SCALE: 1" = 50' HORIZ.; 1" = 10' VERT.

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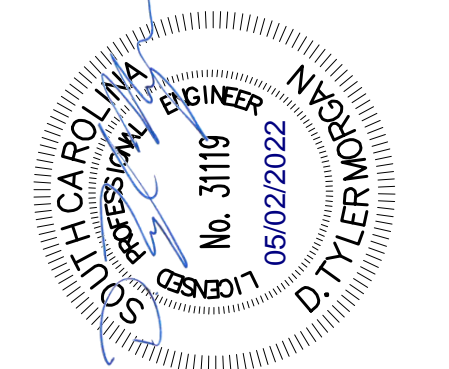


GMC
UC19
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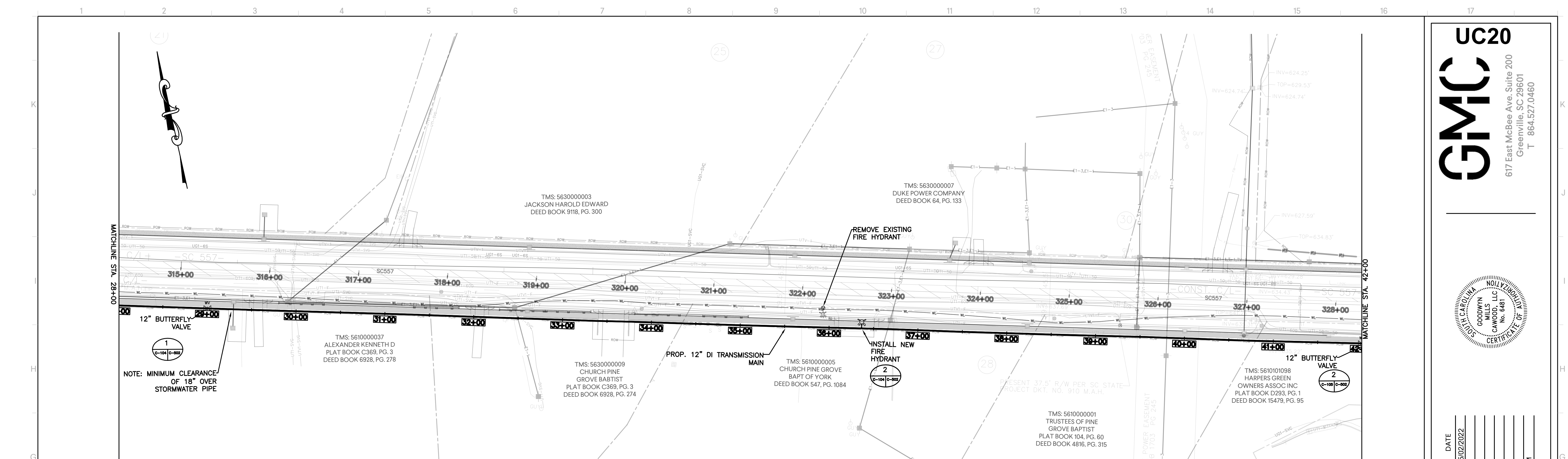
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HIGHWAY 557 UTILITIES
 RELOCATION
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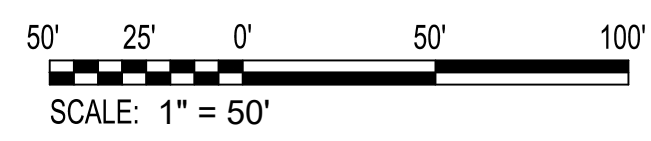


WATERLINE RELOCATION
 STA. 14+00 TO 28+00
C-103
 SHEET 5 OF 11

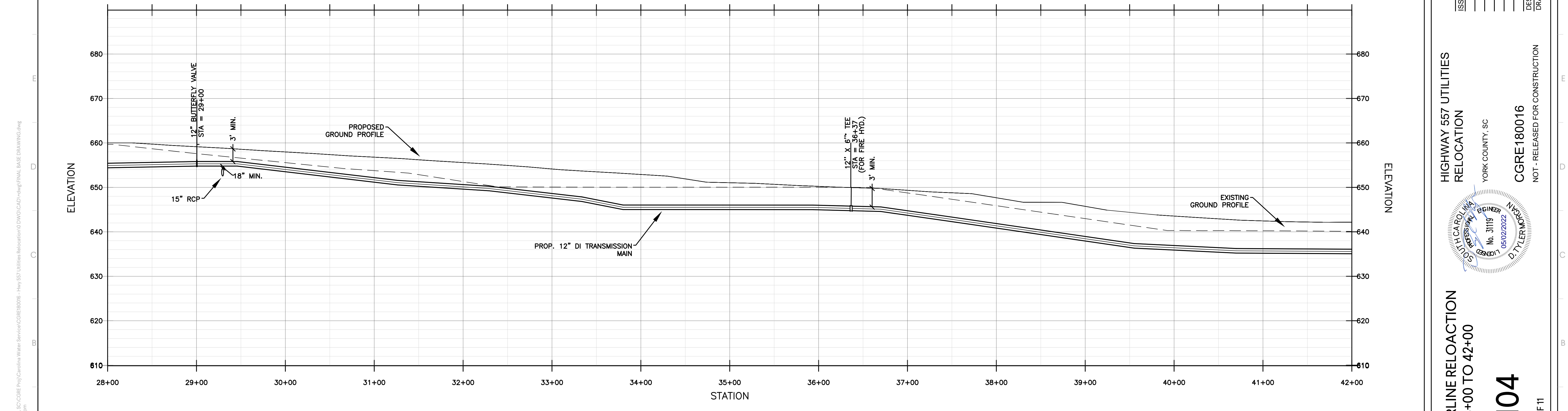
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 PLOTTED: May 11, 2022 - 2:45pm



WATERLINE PLAN



- NOTES**
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 3. COORDINATE SERVICE OUTAGES WITH BLUE GRANITE WATER COMPANY.

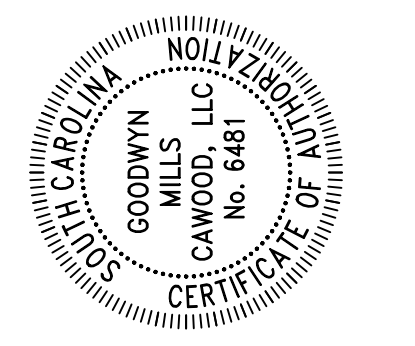


WATERLINE PROFILE



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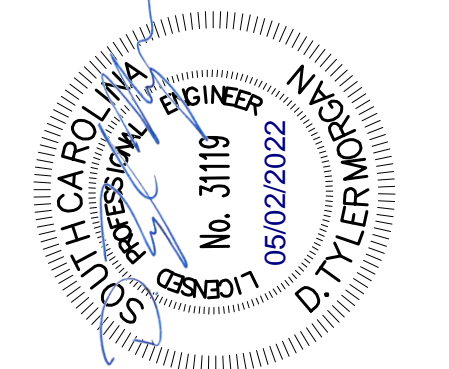
GMC UC20
617 East McBee Ave, Suite 200
Greenville, SC 29601
T 864.527.0460



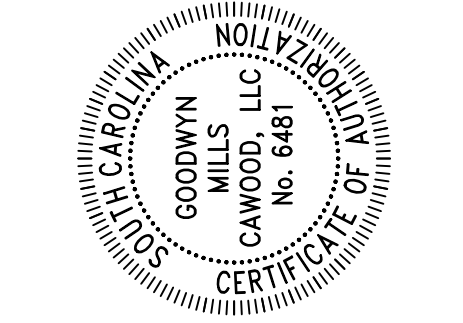
ISSUED FOR	DATE	ISSUE	DATE
FOR BID	05/02/2022		

DESIGNER: DTM
DRAWN BY: RBS

HIGHWAY 557 UTILITIES RELOCATION
YORK COUNTY, SC
CGRE180016
NOT - RELEASED FOR CONSTRUCTION

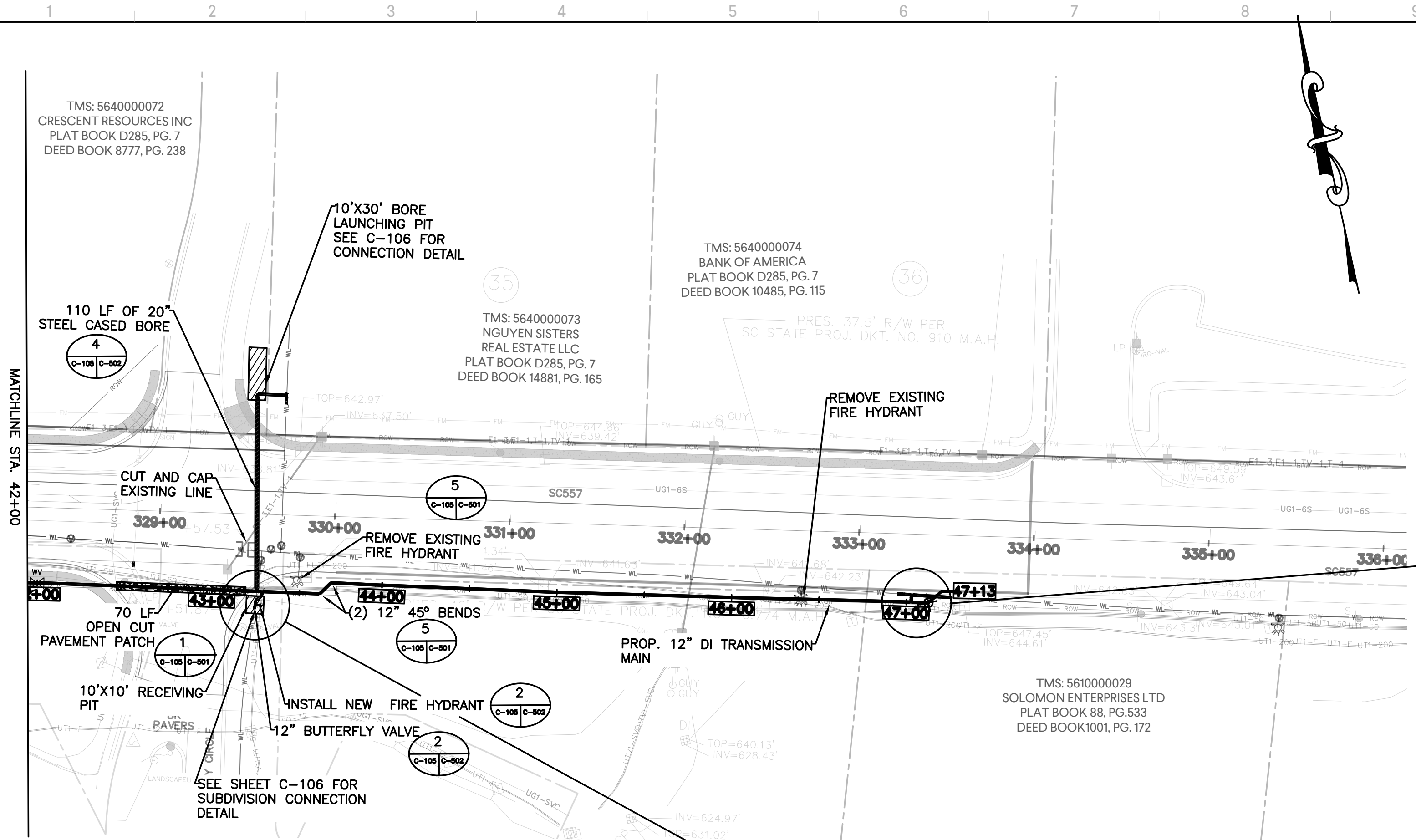
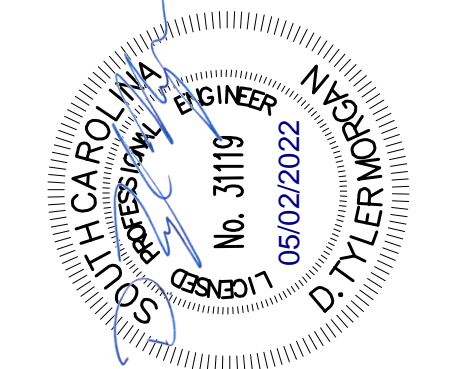


WATERLINE RELOCATION STA. 28+00 TO 42+00
C-104
SHEET 6 OF 11



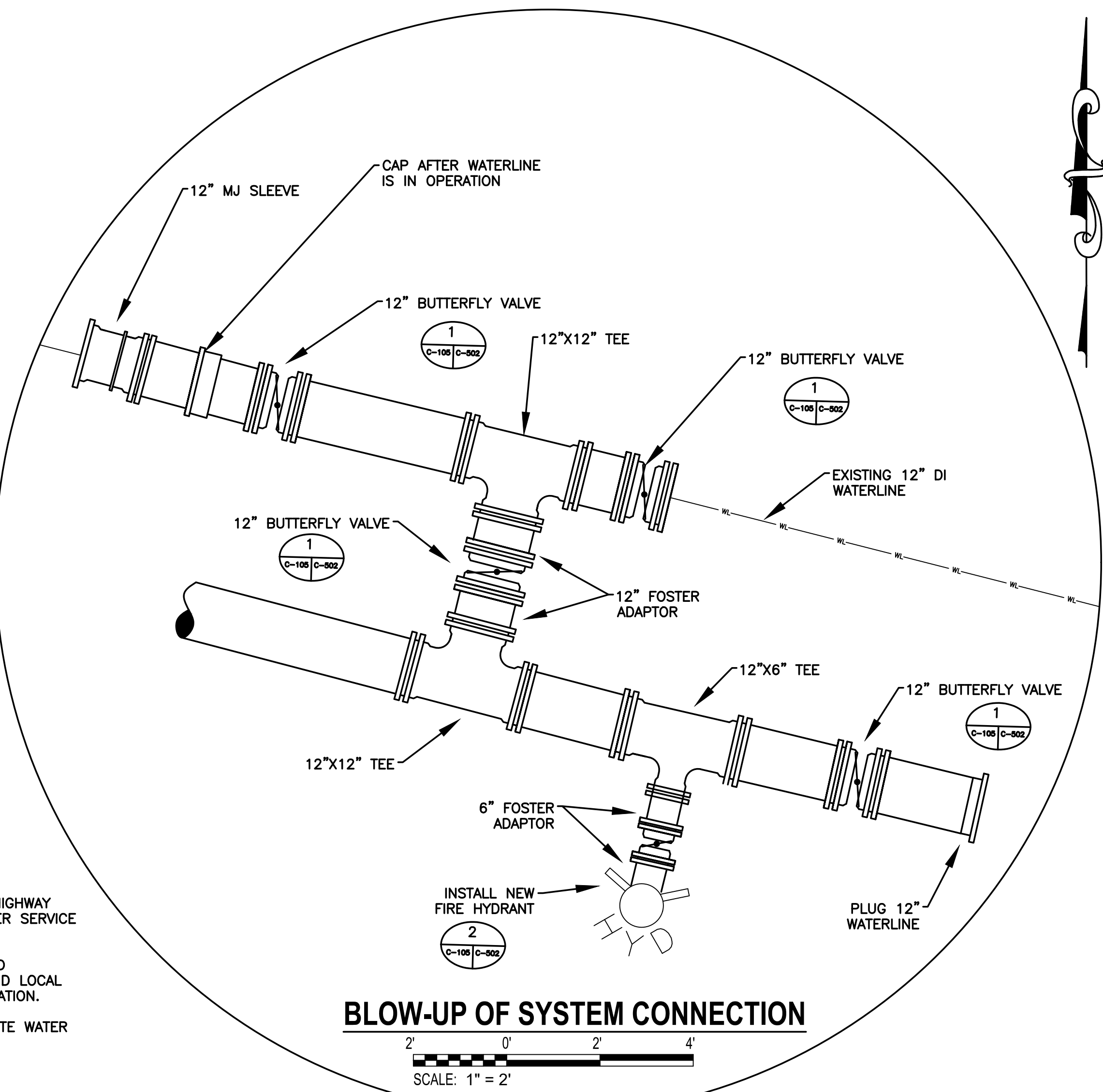
ISSUE FOR BID	DATE
	05/02/2022
ISSUE /	
DESIGNER:	DTM
DRAWN BY:	RBS

HIGHWAY 557 UTILITIES
 RELOCATION
 YORK COUNTY, SC
 CGRE180016
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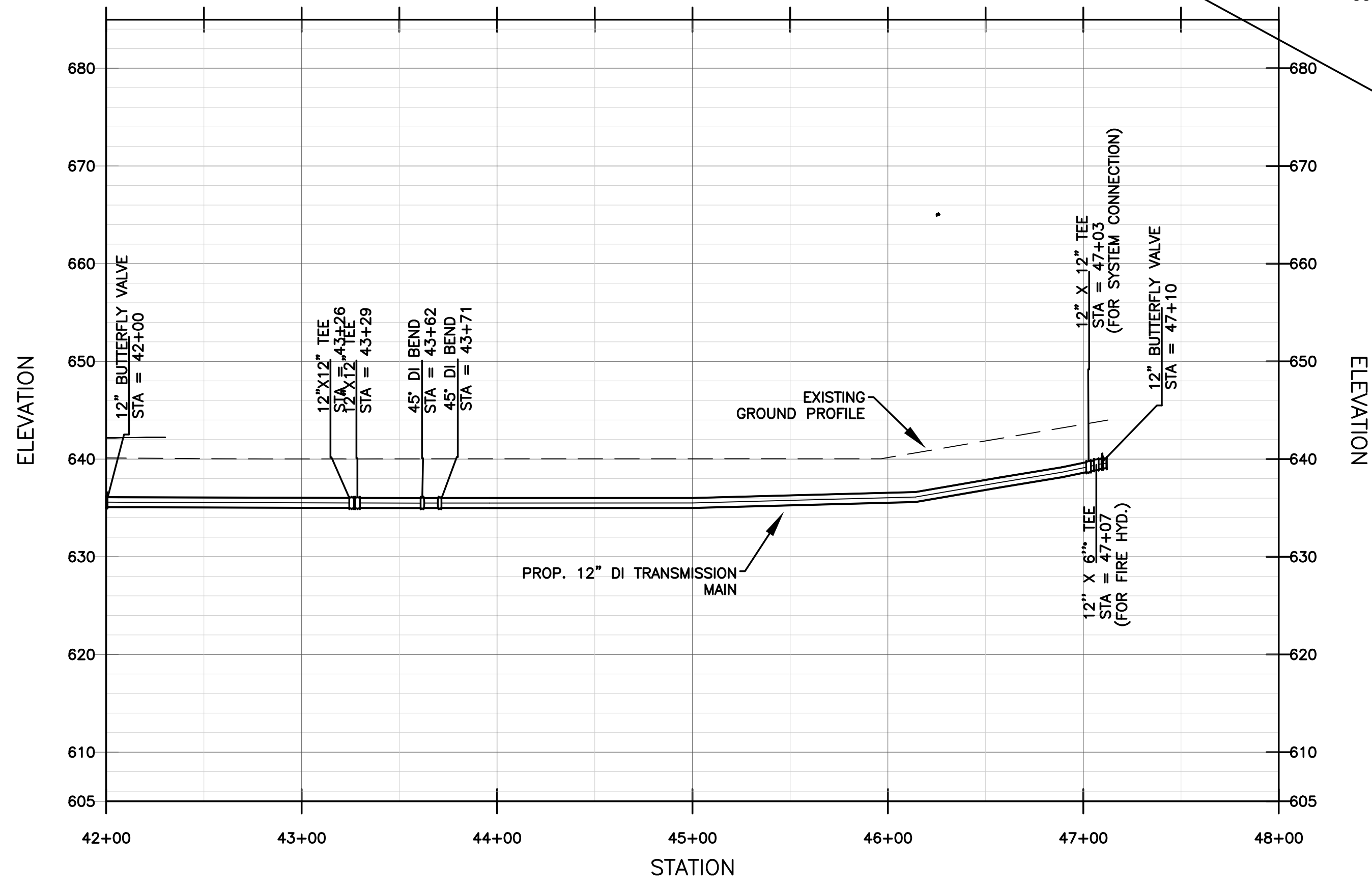


WATERLINE PLAN
 SCALE: 1" = 50'

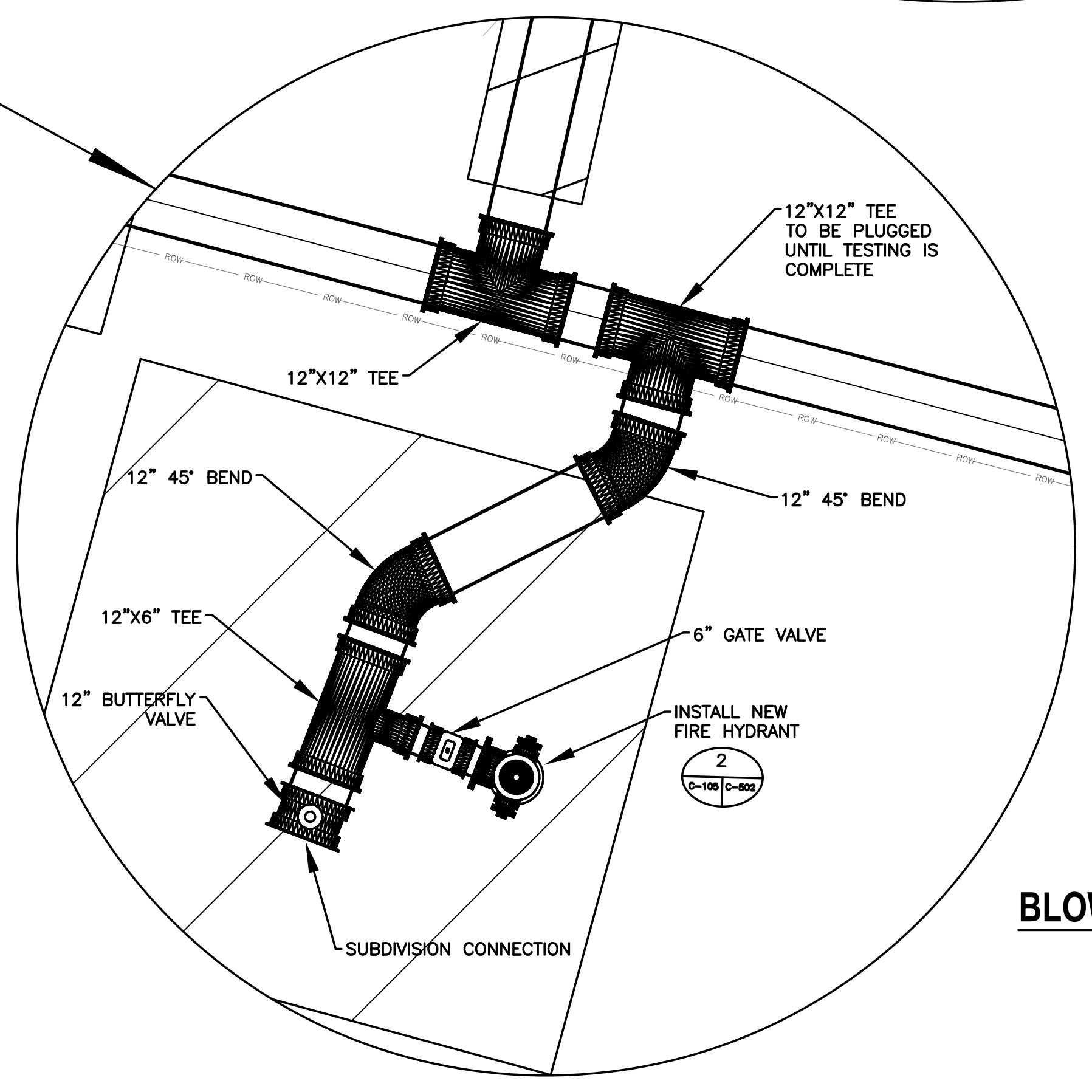
- NOTES**
1. RECONNECT ALL SERVICE CONNECTIONS ALONG HIGHWAY 557 USING TAPPING SADDLE AND TYPE K COPPER SERVICE LINE TO METER.
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 3. COORDINATE SERVICE OUTAGES WITH BLUE GRANITE WATER COMPANY.



BLOW-UP OF SYSTEM CONNECTION
 SCALE: 1" = 2'

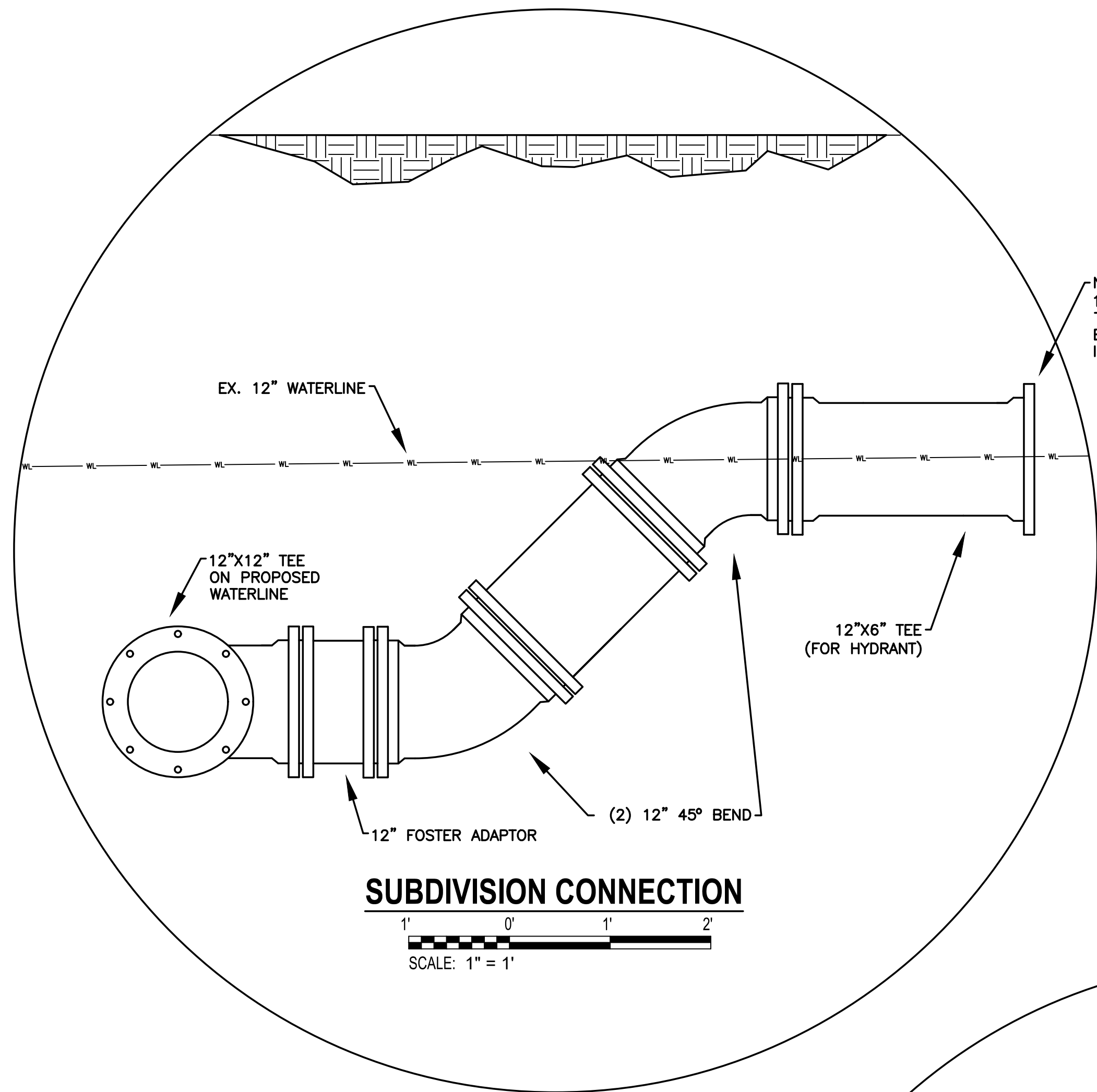


WATERLINE PROFILE
 SCALE: 1" = 50' HORIZ.; 1" = 10' VERT.



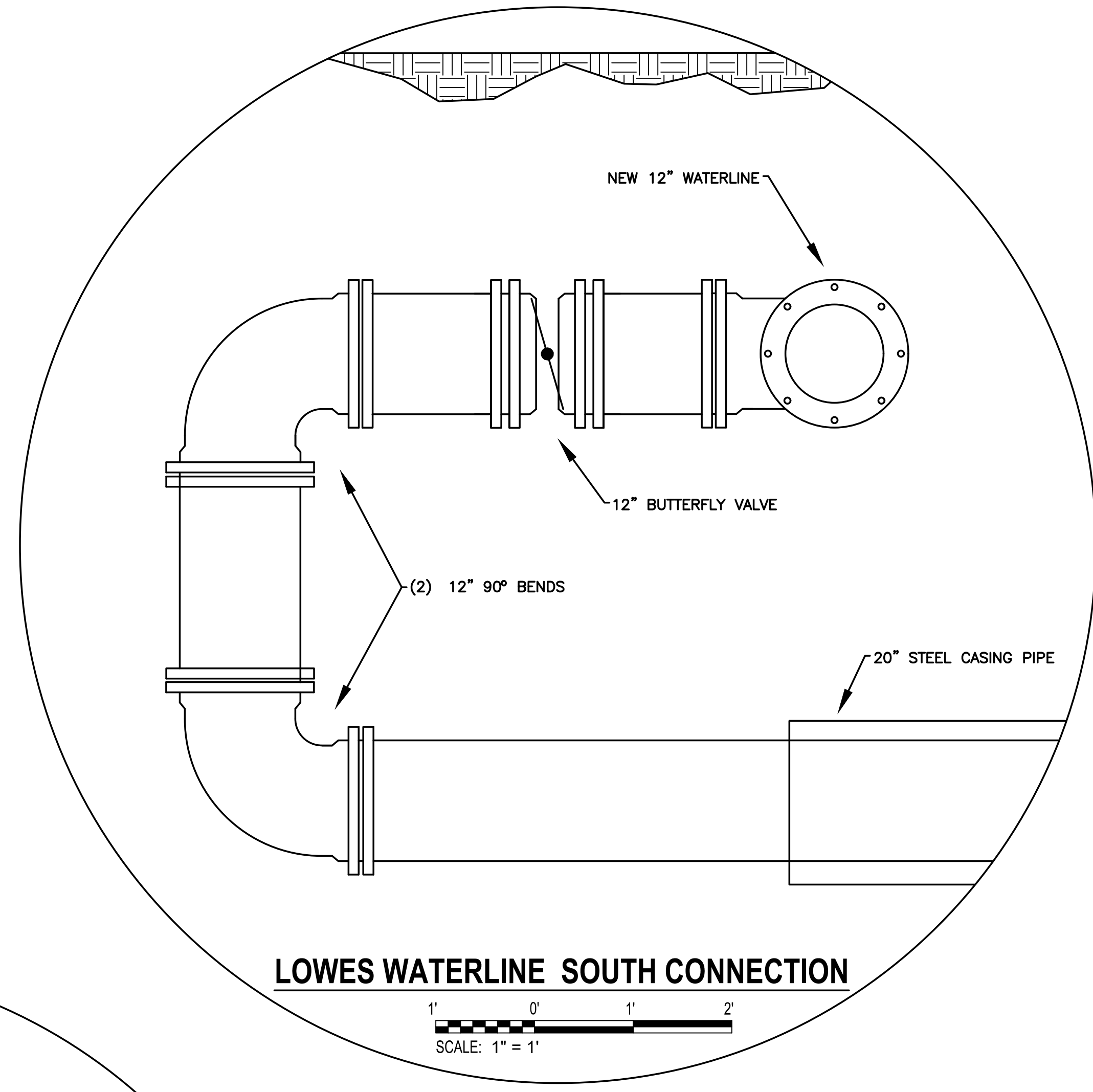
BLOW-UP OF SYSTEM CONNECTION
 SCALE: 1" = 2'

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 PLOTTED: May 11, 2022 - 2:15pm

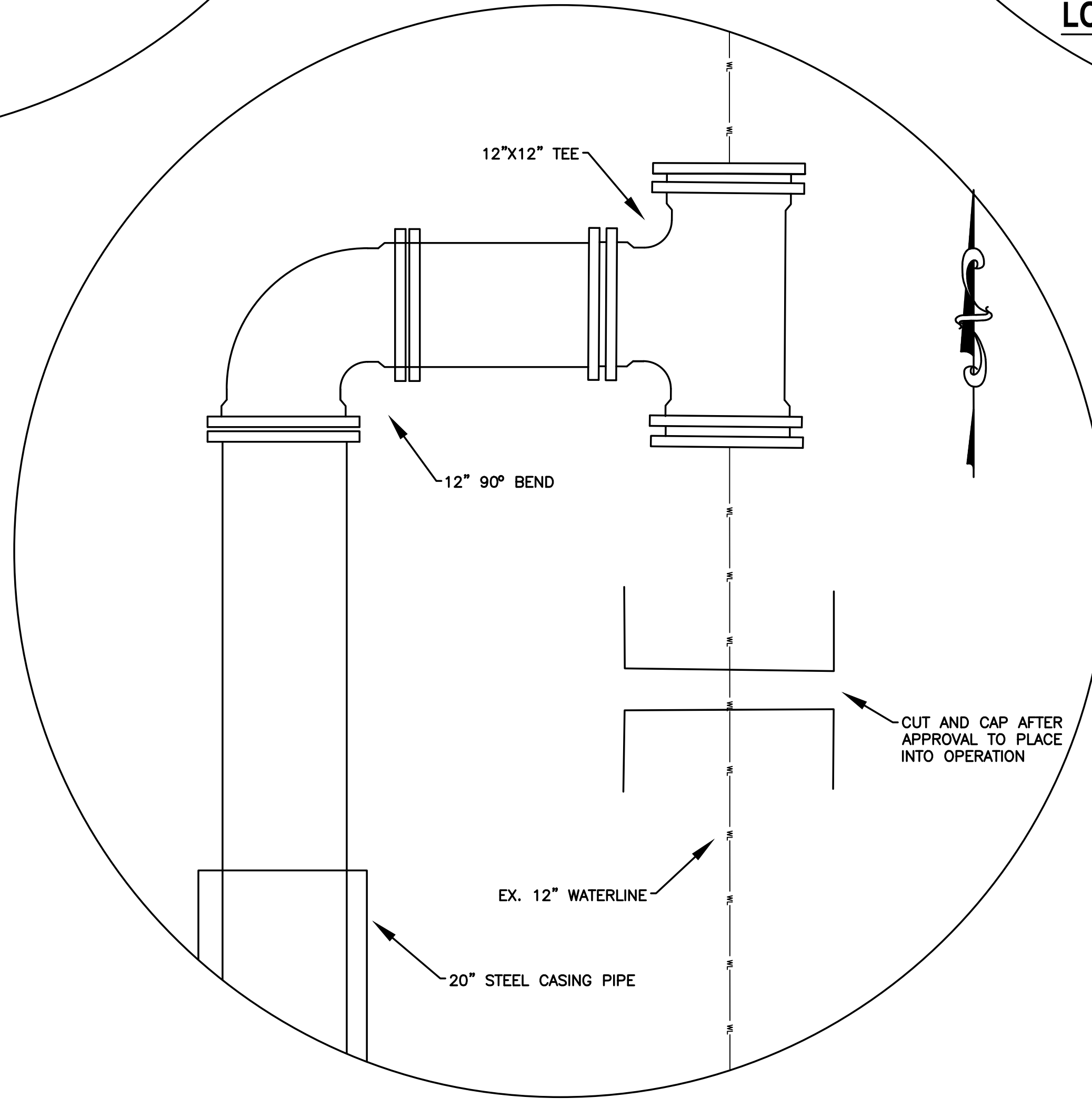


SUBDIVISION CONNECTION
SCALE: 1" = 1'

NOTE: CONNECT TO EXISTING 12" WATERLINE AFTER SUCCESSFUL TESTING AND APPROVAL FROM ENGINEER TO PLACE NEW WATERLINE INTO OPERATION.



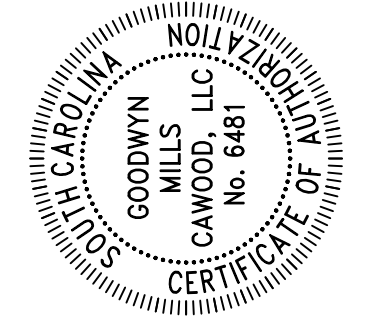
LOWES WATERLINE SOUTH CONNECTION
SCALE: 1" = 1'



LOWES WATERLINE NORTH CONNECTION
SCALE: 1" = 1'

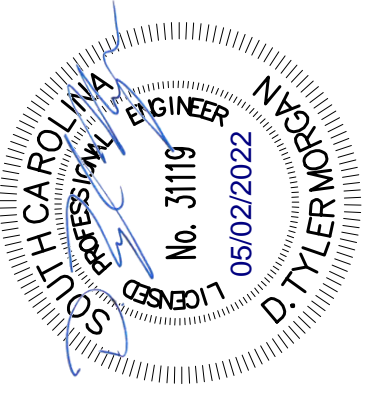
- NOTES**
1. RECONNECT ALL SERVICE CONNECTIONS ALONG HIGHWAY 557 USING TAPPING SADDLE AND TYPE K COPPER SERVICE LINE TO METER.
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 3. COORDINATE SERVICE OUTAGES WITH BLUE GRANITE WATER COMPANY.

GMC
UC22
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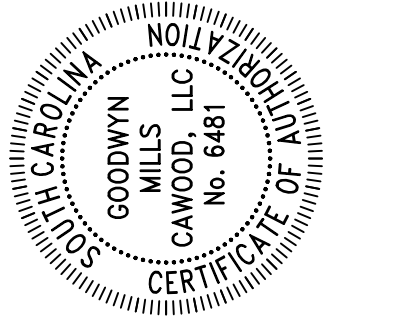


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	05/02/2022						

HIGHWAY 557 UTILITIES
RELOCATION
YORK COUNTY, SC
CGRE180016
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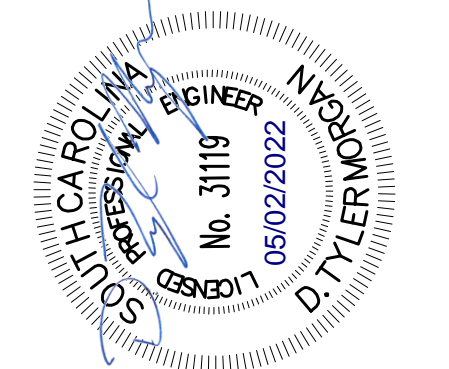


WATERLINE CONNECTION
DETAILS
C-106
SHEET 8 OF 11

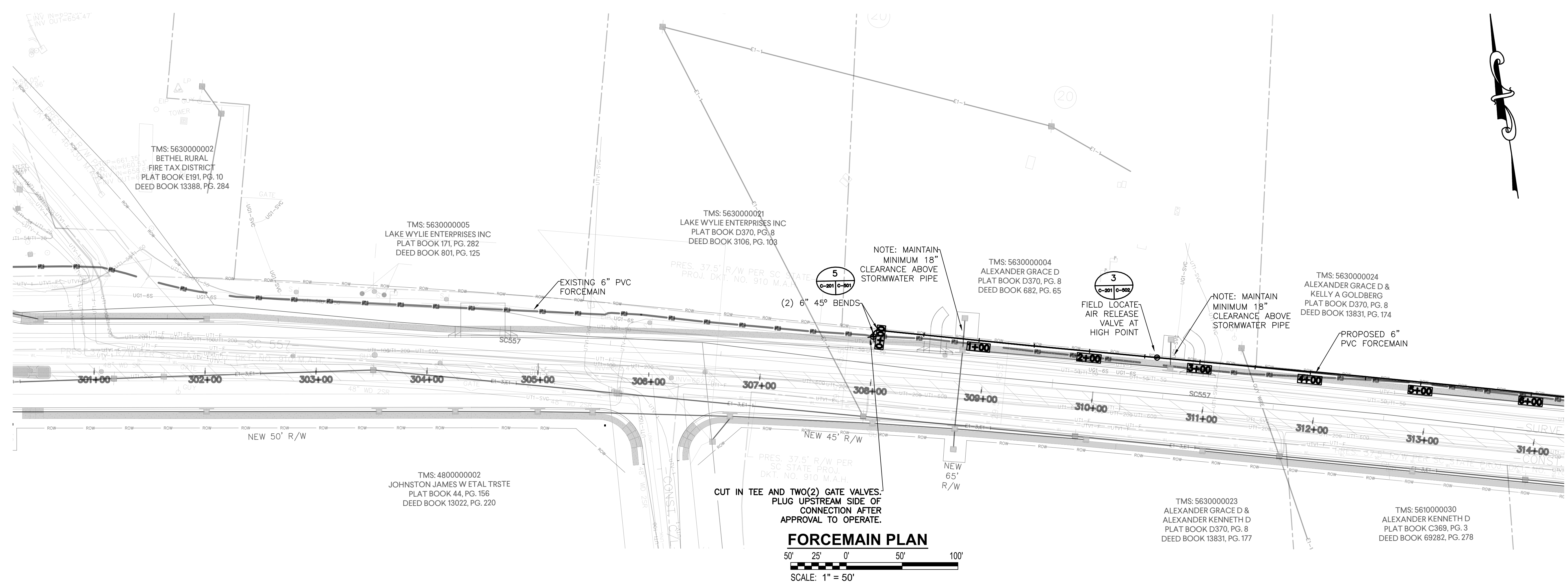


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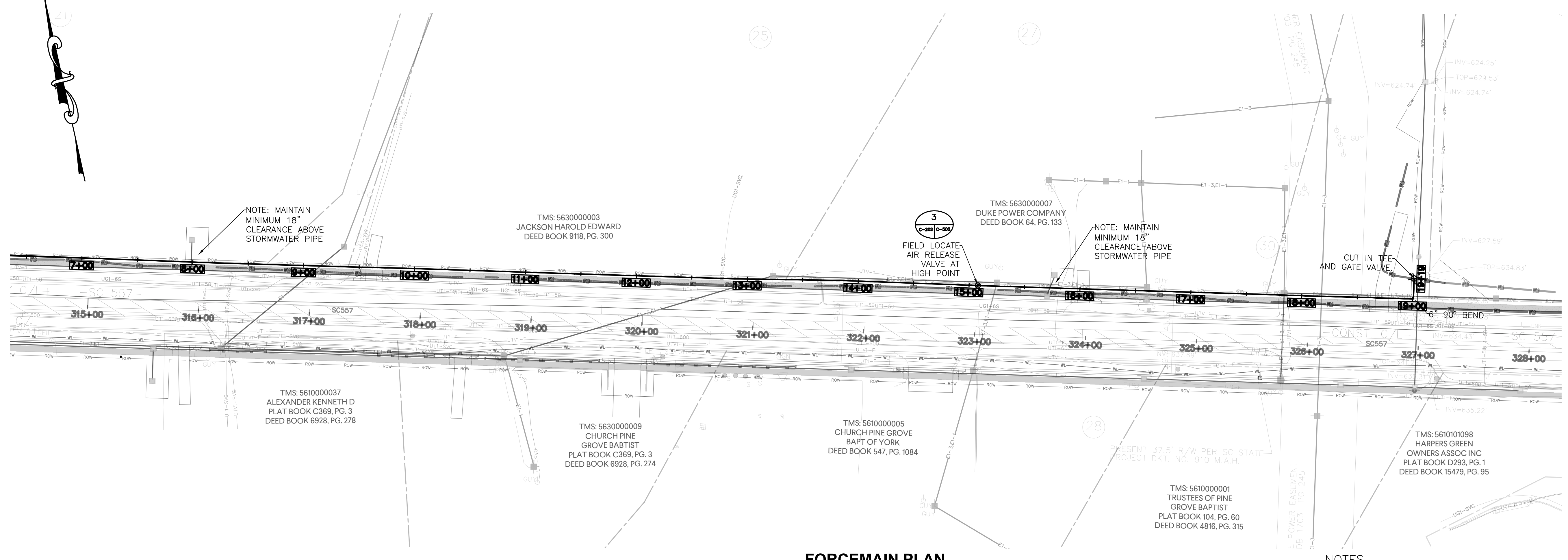
HIGHWAY 557 UTILITIES
 RELOCATION
 YORK COUNTY, SC
CGRE180016
 NOT - RELEASED FOR CONSTRUCTION



FORCEMAIN RELOCATION
 STA. 0+00 TO 19+19
C-201
 SHEET 9 OF 11

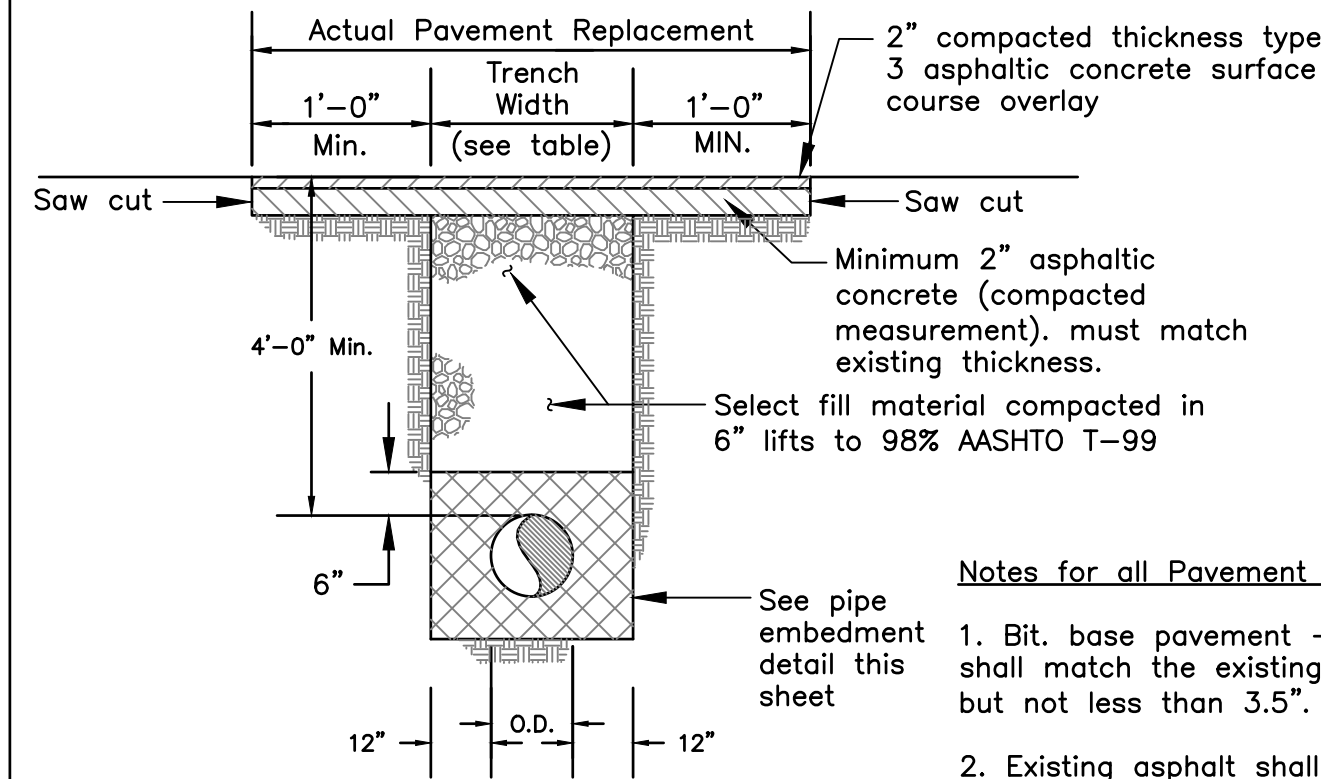


FORCEMAIN PLAN
 50' 25' 0' 50' 100'
 SCALE: 1" = 50'



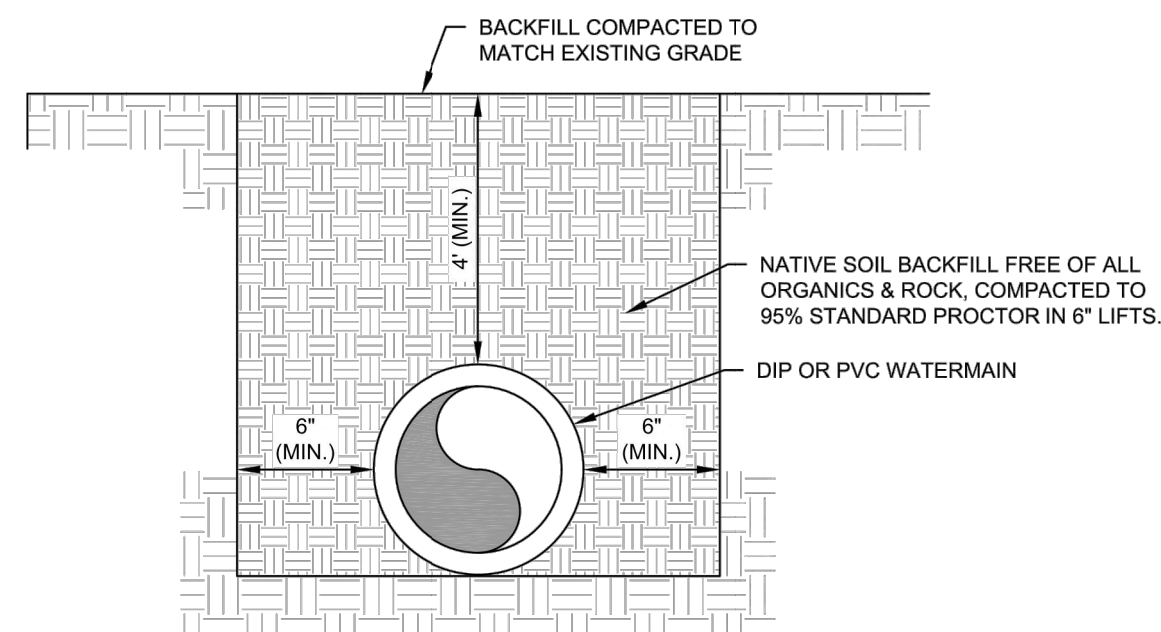
FORCEMAIN PLAN
 50' 25' 0' 50' 100'
 SCALE: 1" = 50'

- NOTES**
1. PLUG EXISTING 6" FM APPROXIMATELY 200 LF EAST OF TIE-IN LOCATION.



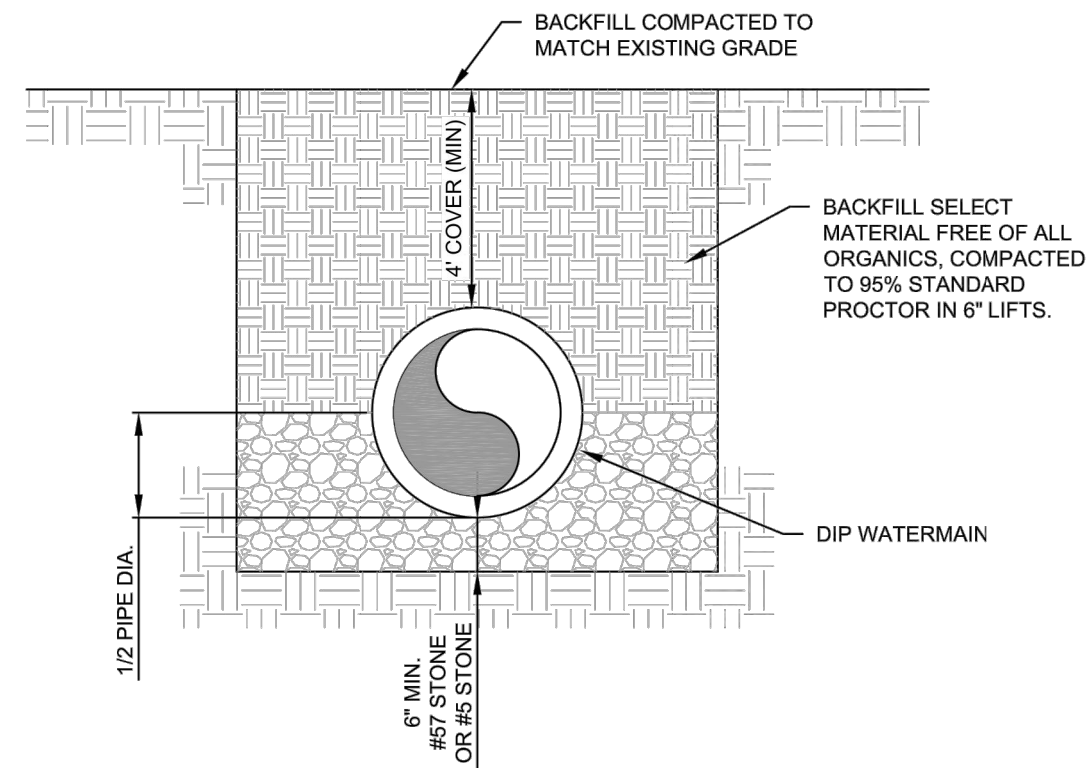
Notes for all Pavement Details:
1. Bit. base pavement - the depth shall match the existing pavement, but not less than 3.5".
2. Existing asphalt shall be saw-cut immediately prior to placing pavement patch.

1
C-501
DETAIL - PAVEMENT PATCH
SCALE: N.T.S.



NOTE:
1. IN PAVEMENT AREAS, COMPACTION WILL BE INCREASED TO 98% STANDARD PROCTOR

2
C-501
DETAIL - CLASS 2 PIPE BEDDING
SCALE: NOT TO SCALE



NOTES:
1. CLASS 4 BEDDING WILL BE USED IN THOSE AREAS DEEMED NECESSARY BY THE ENGINEER BASED ON SUBSURFACE CONDITIONS.
2. IN PAVEMENT AREAS COMPACTION WILL BE INCREASED TO 98% STANDARD PROCTOR.

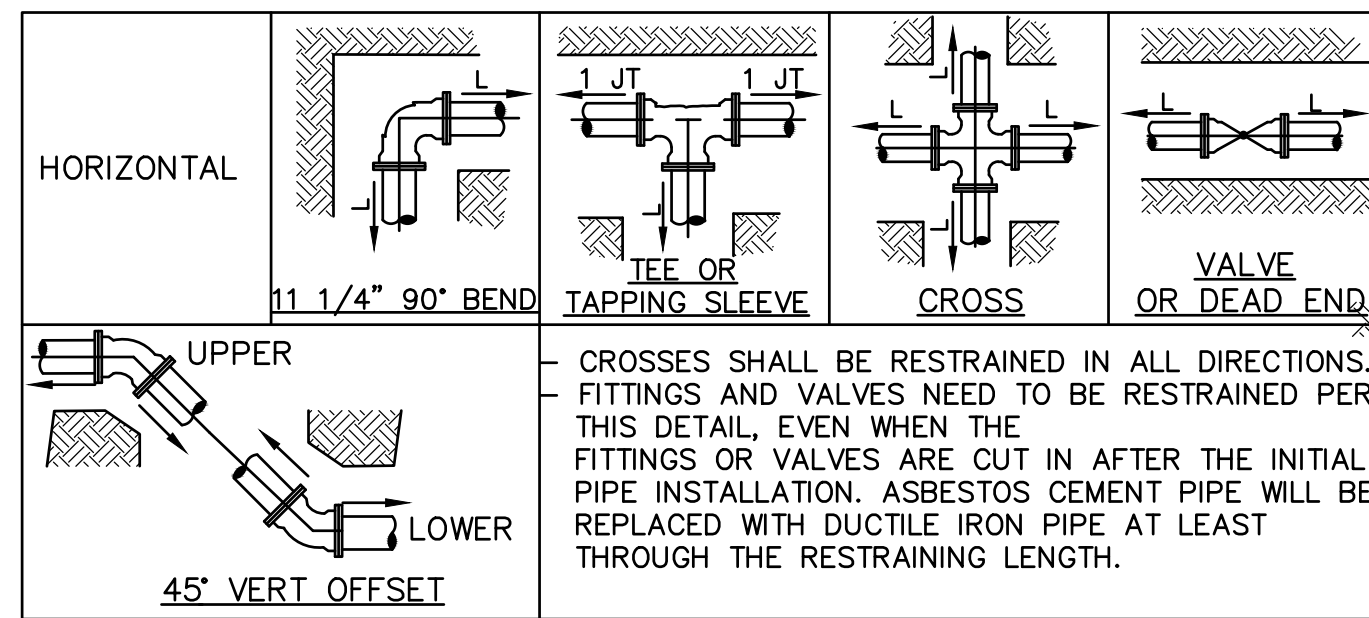
4
C-501
DETAIL - EARTH TRENCH
SCALE: NOT TO SCALE

Trench Width Table For Pavement & Crushed Stone Backfill			
Pipe Size	Depth < 6'	6' < Depth < 12'	12' < Depth
3"ø	2.4'	4.4'	6.4'
4"ø	2.4'	4.4'	6.4'
6"ø	2.6'	4.6'	6.6'
8"ø	2.7'	4.7'	6.7'
10"ø	2.9'	4.9'	6.9'
12"ø	3.1'	5.1'	7.1'
14"ø	3.3'	5.3'	7.3'
16"ø	3.4'	5.4'	7.4'
18"ø	3.6'	5.6'	7.6'
20"ø	3.8'	5.8'	7.8'
24"ø	4.1'	6.1'	8.1'

6
C-501
TRENCH WIDTH TABLE
SCALE: N.T.S.

TABLE FOR STEEL CASING PIPE SIZES	
DIP CARRIER PIPE	STEEL CASING PIPE
3"	10"
4"	12"
6"	14"
8"	16"
10"	18"
12"	20"
14"	24"
16"	24"
18"	30"
20"	30"
24"	36"

3
C-501
CASING SIZE TABLE
SCALE: N.T.S.



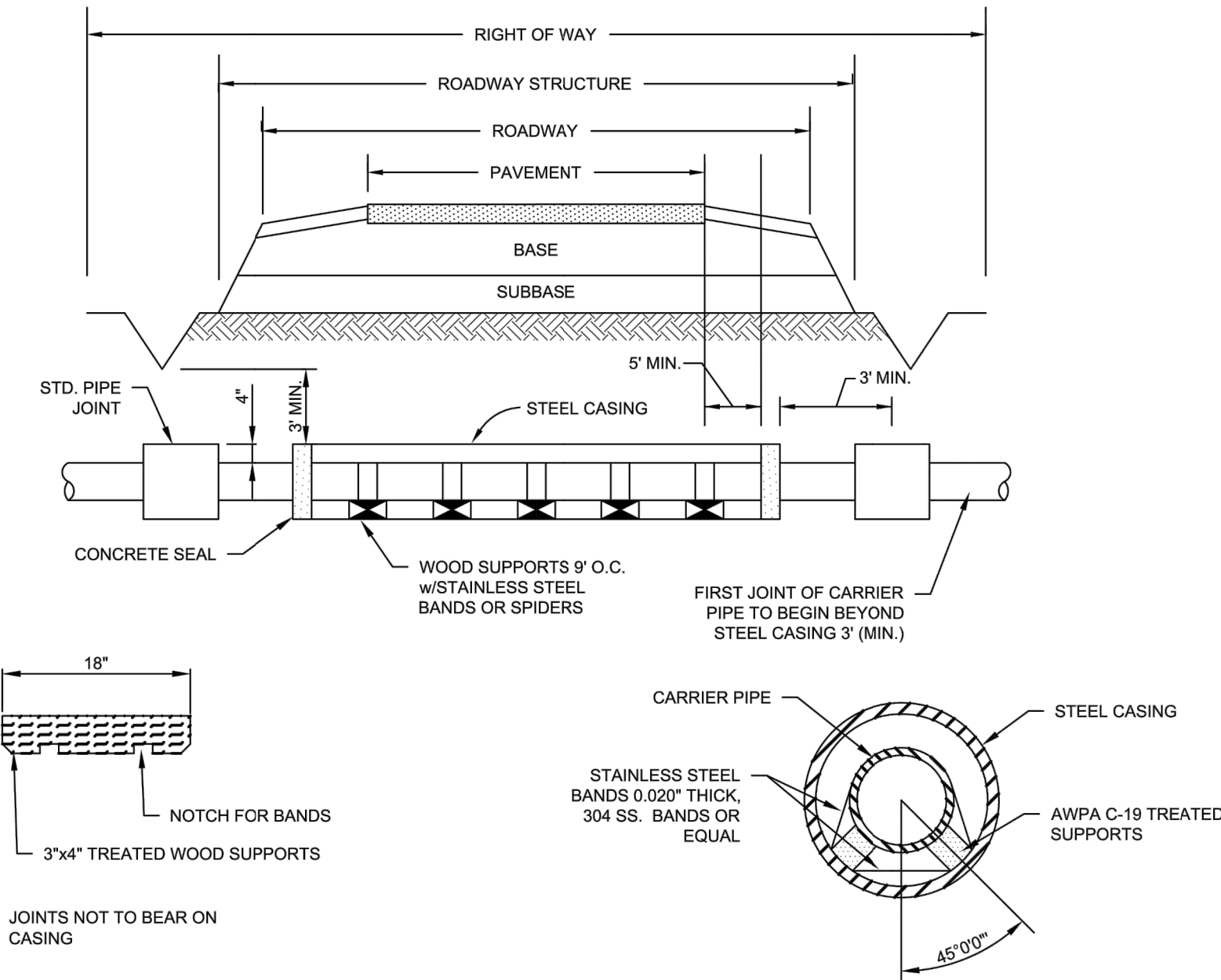
CROSSES SHALL BE RESTRAINED IN ALL DIRECTIONS. FITTINGS AND VALVES NEED TO BE RESTRAINED PER THIS DETAIL, EVEN WHEN THE FITTINGS OR VALVES ARE CUT IN AFTER THE INITIAL PIPE INSTALLATION. ASBESTOS CEMENT PIPE WILL BE REPLACED WITH DUCTILE IRON PIPE AT LEAST THROUGH THE RESTRAINING LENGTH.

Diameter	DUCTILE IRON PIPE HORIZONTAL, L (FEET)						45° VERTICAL OFFSET (FEET)	
	11 1/4"	22 1/2"	45"	90"	Tee or Cross	Valves and Dead End	UPPER	LOWER
8	2	4	8	17	20	37	16	5
10	2	5	10	21	27	44	19	6
12	3	5	10	24	34	52	22	6

Diameter	PVC PIPE HORIZONTAL, L (FEET)						45° VERTICAL OFFSET (FEET)	
	11 1/4"	22 1/2"	45"	90"	Tee or Cross	Valves and Dead End	UPPER	LOWER
3	2	3	5	11	5	29	13	3
4	2	3	5	12	5	32	14	3
6	2	4	7	16	18	45	19	5

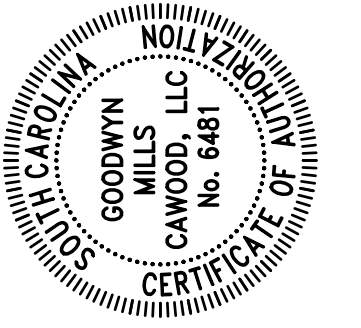
THE NOTED REQUIREMENTS WERE CALCULATED IN ACCORDANCE WITH THRUST RESTRAINT CALCULATOR V6.1 BY EBAA IRON WITH THE FOLLOWING ASSUMPTIONS:
SOIL CONDITIONS: SAND (SW, SP, GW)
LAYING CONDITION: 4, SAND BEDDING, BACKFILL COMPACTED > 80%
MINIMUM COVER: 3.0 FT SAFETY FACTOR: 1.5 BARE PIPE
IF FIELD CONDITIONS DIFFER FROM THE ABOVE, CONTRACTOR SHALL NOTIFY ENGINEER.

5
C-501
DETAIL - RESTRAINED JOINT LENGTHS
SCALE: N.T.S.



7
C-501
DETAIL - CASING PIPE & CARRIER PIPE UNDER PAVED ROADS & RAILROADS
SCALE: N.T.S.

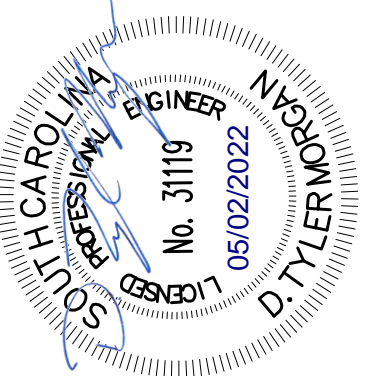
UC24
GMC
617 East McBee Ave, Suite 200
Greenville, SC 29601
T 864.527.0460



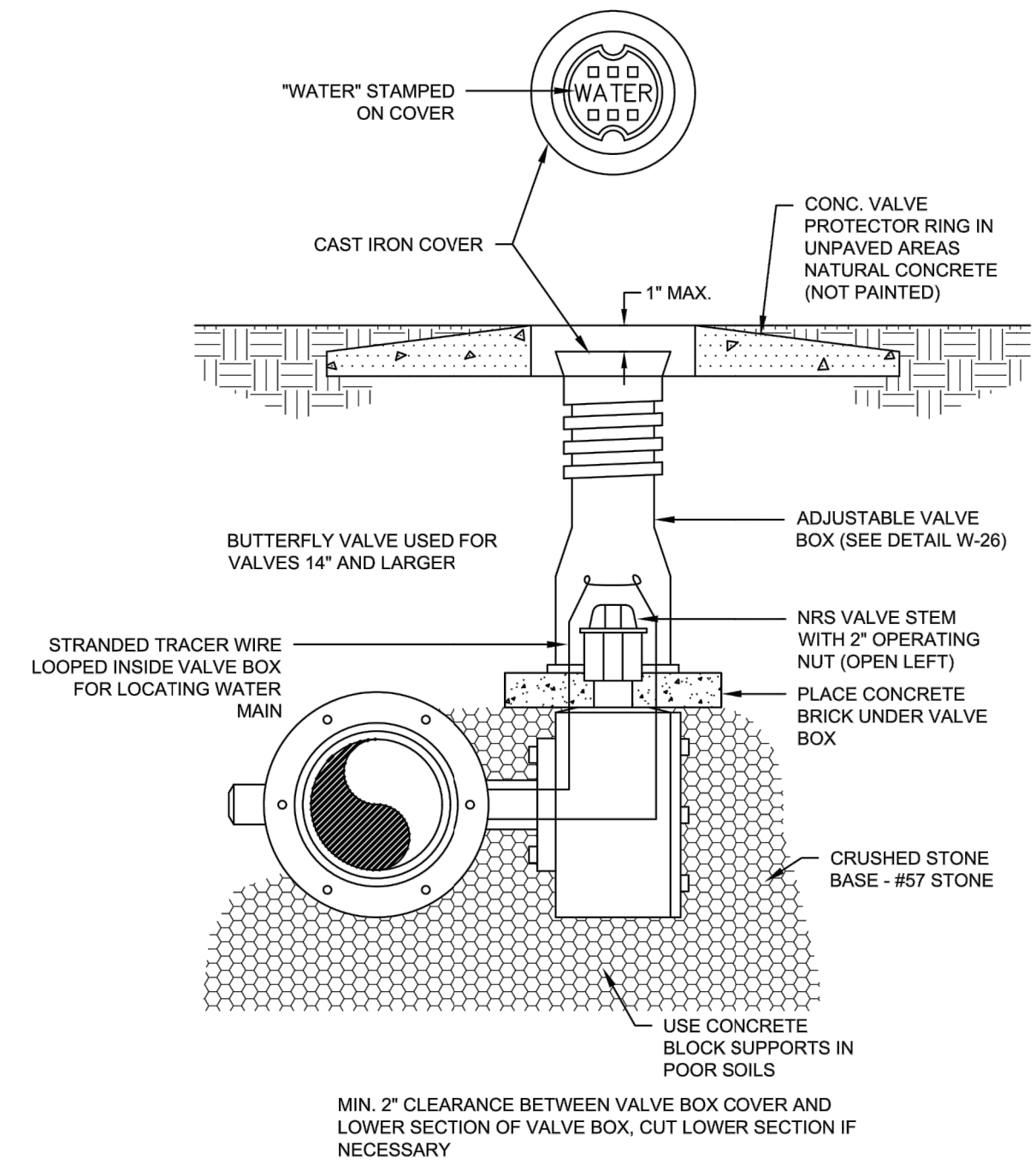
ISSUE FOR BID	DATE	ISSUED FOR BID	DATE
	05/02/2022		

DESIGNER: DTM
DRAWN BY: RBS

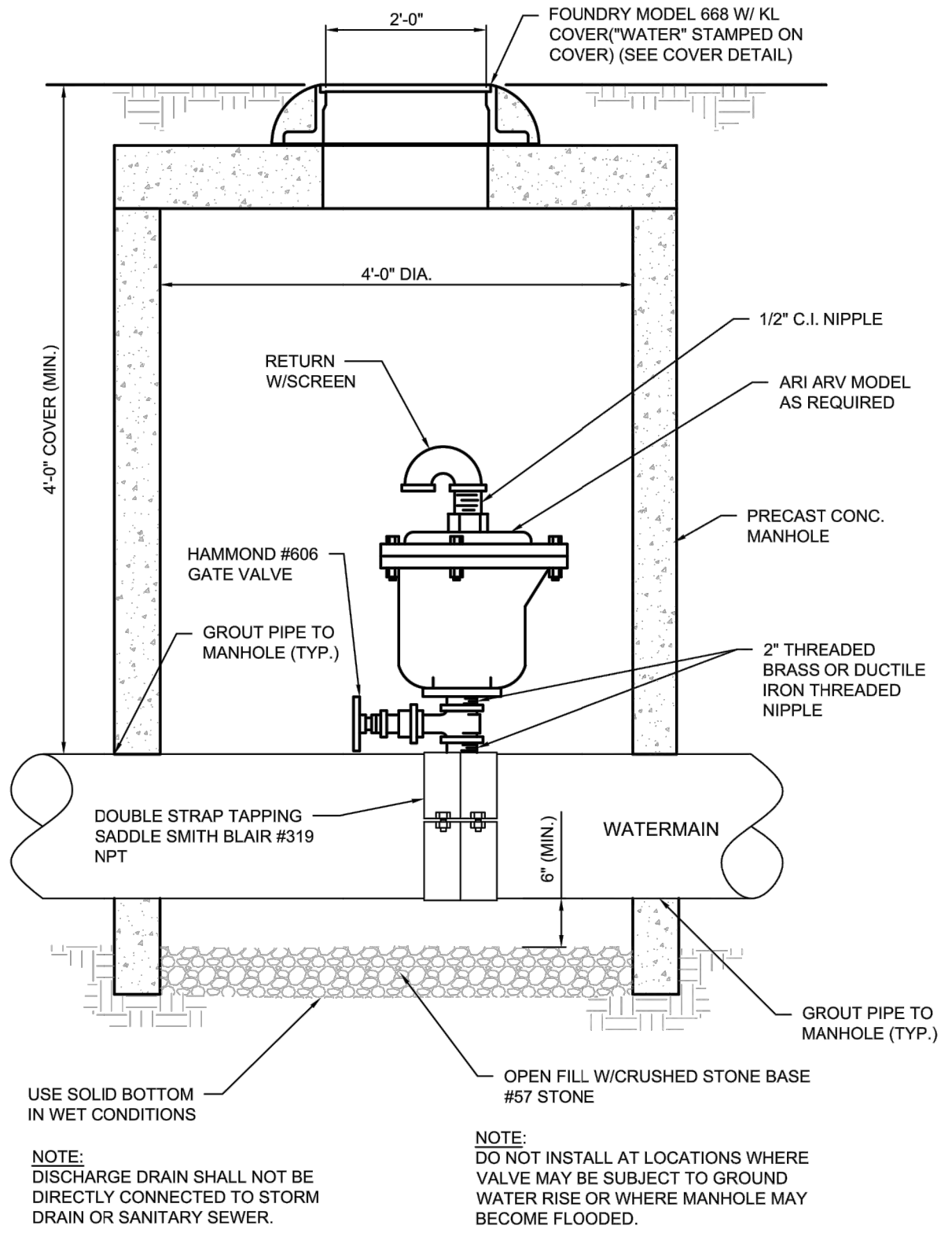
HIGHWAY 557 UTILITIES
RELOCATION
YORK COUNTY, SC
CGRE180016
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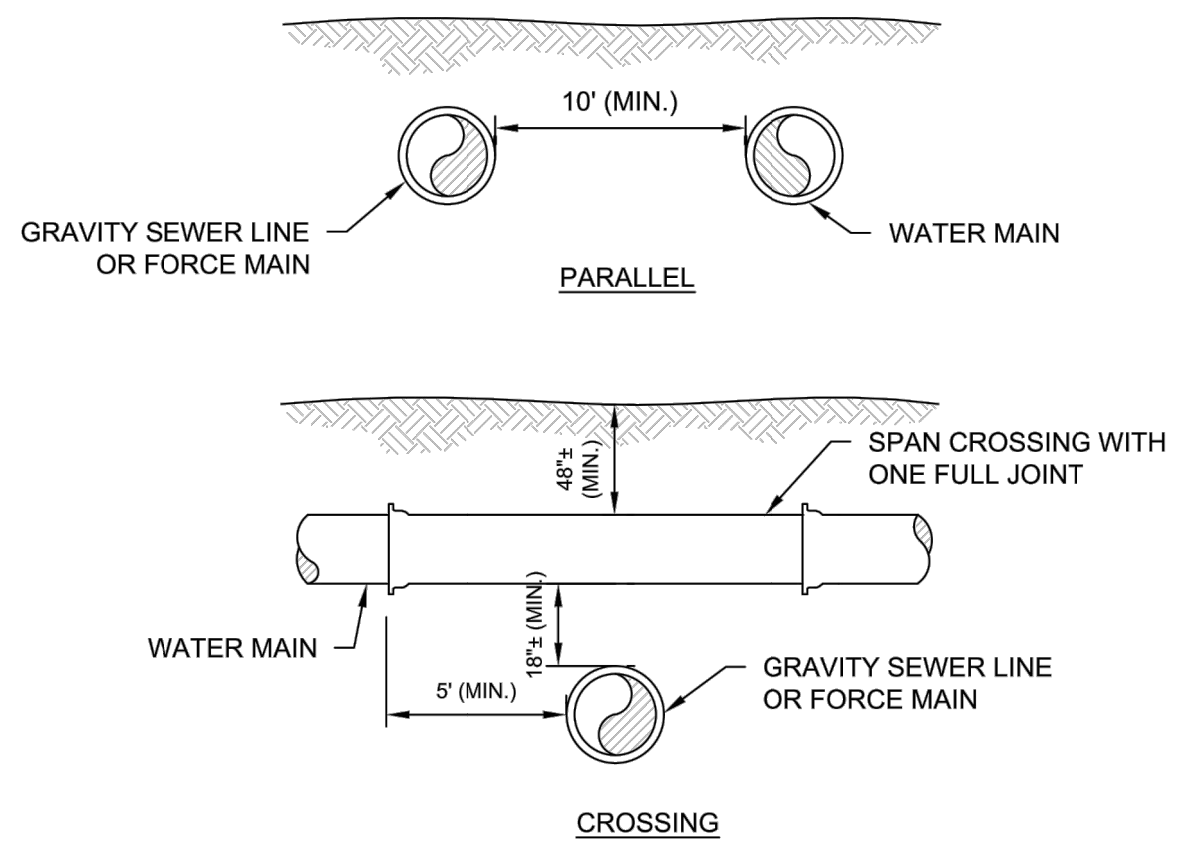
MISCELLANEOUS DETAILS
C-501
SHEET 10 OF 11



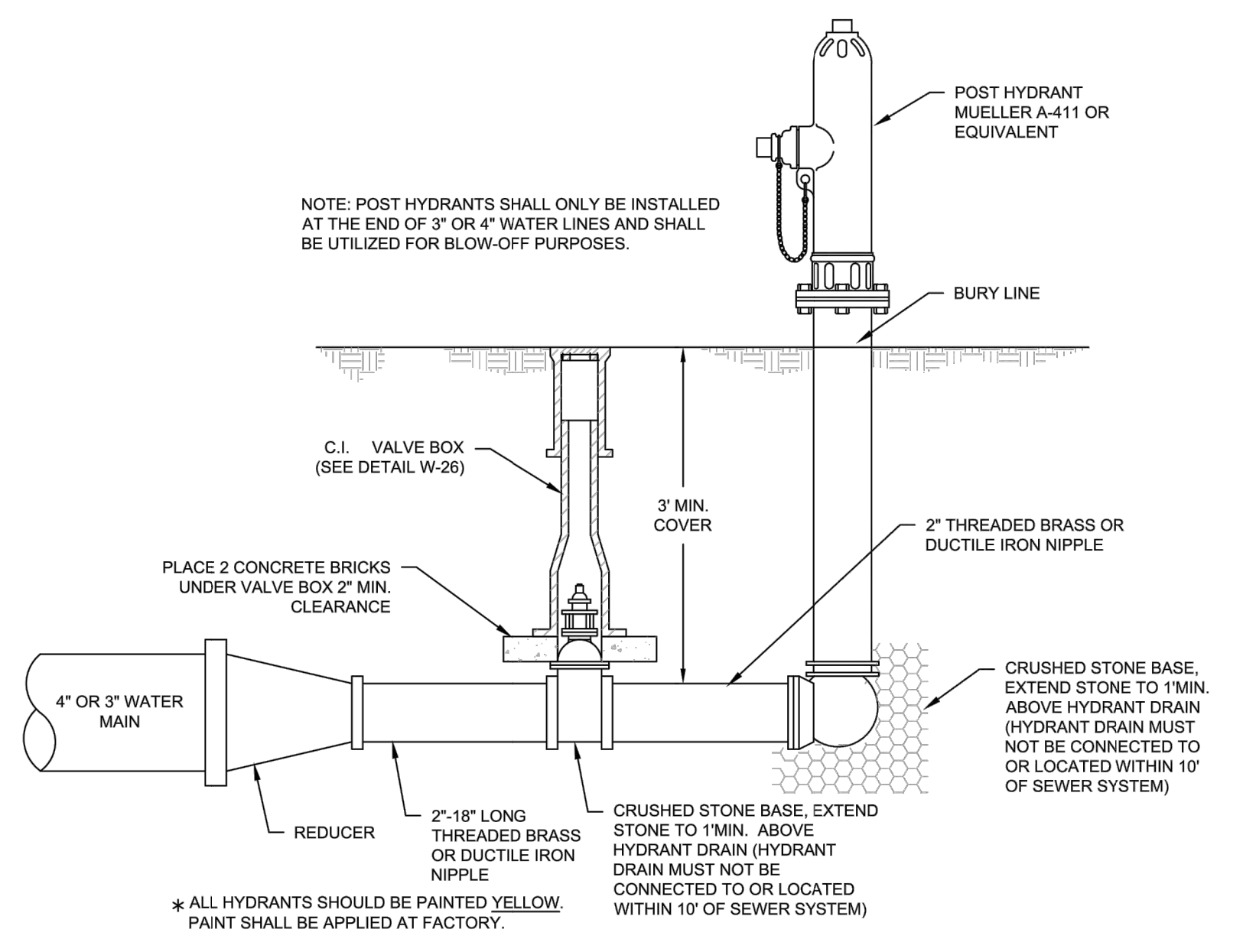
1
C-502
BUTTERFLY VALVE
SCALE: N.T.S.



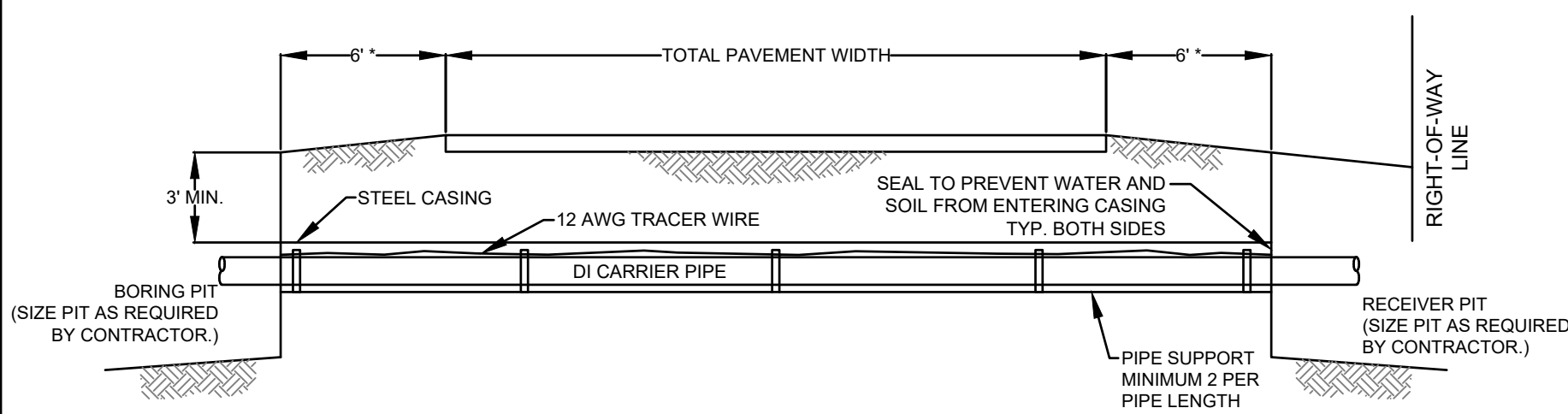
3
C-502
DETAIL - AIR/VACUUM VALVE OR COMBINATION AIR RELEASE AIR VALVE
SCALE: N.T.S.



5
C-502
DETAIL - UTILITY SEORATION
SCALE: N.T.S.



2
C-502
FIRE HYDRANT, VALVE & TEE SETTING
SCALE: N.T.S.



PIPE SIZE	2 1/2"	3"	4"	6"	8"	10"	12"	15"	18"	21"	24"	27"
MIN. CASING SIZE	6"	8"	10"	12"	16"	18"	20"	24"	26"	30"	33"	36"
THICKNESS	0.281"	0.281"	0.281"	0.281"	0.281"	0.281"	0.281"	0.281"	0.312"	0.312"	0.500"	0.500"

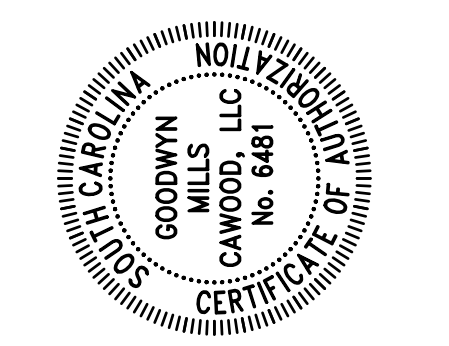
* ON CONVENTIONAL HIGHWAYS, AS A MINIMUM, THE CASING PIPE SHALL EXTEND TO THE SHOULDER BREAK OR 8 FEET BEYOND THE EDGE OF PAVEMENT ON FILL SLOPES, WHICHEVER IS THE GREATER; 3 FEET BEYOND THE DITCH LINE IN CUTS; AND ON CURBED SECTIONS TO THE BACK OF THE SIDEWALK AREA. THE CASING PIPE SHALL BE SEALED AT THE ENDS TO PREVENT FLOWING WATER AND DEBRIS FROM ENTERING THE ANNULAR SPACE BETWEEN THE CASING AND THE CARRIER. THE INSTALLATION SHALL INCLUDE NECESSARY APPURTENANCES, SUCH AS VENTS AND MARKERS.

NOTES:

- ALL PIPE UNDER CITY, COUNTY OR STATE HIGHWAYS, RAILROADS, PIPELINES AND OTHER PUBLIC OR PRIVATE RIGHTS-OF-WAY SHALL BE INSTALLED IN ACCORDANCE WITH THE HIGHWAY DEPARTMENT, RAILROAD OR AGENCY HAVING JURISDICTION, OWNERSHIP OR GOVERNING AUTHORITY. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH THE NECESSARY CONSTRUCTION PERMITS OR AGREEMENTS TO ENTER SAID RIGHTS-OF-WAY.
- CONTRACTOR TO FIELD VERIFY ROAD WIDTHS, BORE LENGTHS, & LOCATIONS OF CONFLICTING UTILITIES PRIOR TO BIDDING.
- IF EXISTING UTILITIES CONFLICT WITH BORE PIT AREA, BORE PIT MAY NEED TO BE SHIFTED TO AVOID UTILITIES.
- CARRIER PIPE TYPICALLY DUCTILE IRON WITH MECHANICAL JOINTS.
- FOR RAILROAD BORE CASINGS, THE MINIMUM LENGTH OF CASING IS TO BE 25' PERPENDICULAR FROM THE CENTER OF THE TRACK TO THE END OF BORE CASING EITHER SIDE OF THE CENTER.
- FOR RAILROAD BORE CASINGS, A MINIMUM OF 3' CLEARANCE SHALL BE MAINTAINED FROM THE BOTTOM OF RAILWAY TRACK TO THE TOP OF THE BORE CASING.
- SECURE CARRIER PIPE TO ENCASEMENT WITH 3/4" ALL THREAD ROD USING MEGA-LUG ON THE PIPE AND WELDING A J-BOLT TO THE ENCASEMENT PIPE.

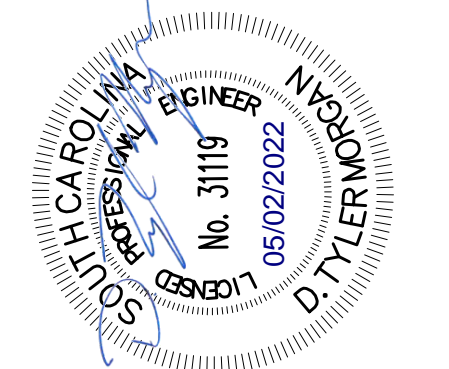
4
C-502
JACK AND BORE FOR DOT
SCALE: N.T.S.

UC25
GMC
617 East McBee Ave, Suite 200
Greenville, SC 29601
T 864.527.0460



ISSUE FOR BID	DATE	ISSUE	DTM
	05/02/2022		RBS

HIGHWAY 557 UTILITIES
RELOCATION
YORK COUNTY, SC
CGRE180016
NOT - RELEASED FOR CONSTRUCTION



MISCELLANEOUS DETAILS
C-502
SHEET 11 OF 11

DRAWING FILE: T:\Greenville, SC\CGRE Proj\Carolina Water Services\CGRE180016 - Hwy 557 Utilities Relocation\DWG\CAD\cwg\GMC DETALS.dwg
PLOTTED: May 10, 2022 - 10:32am