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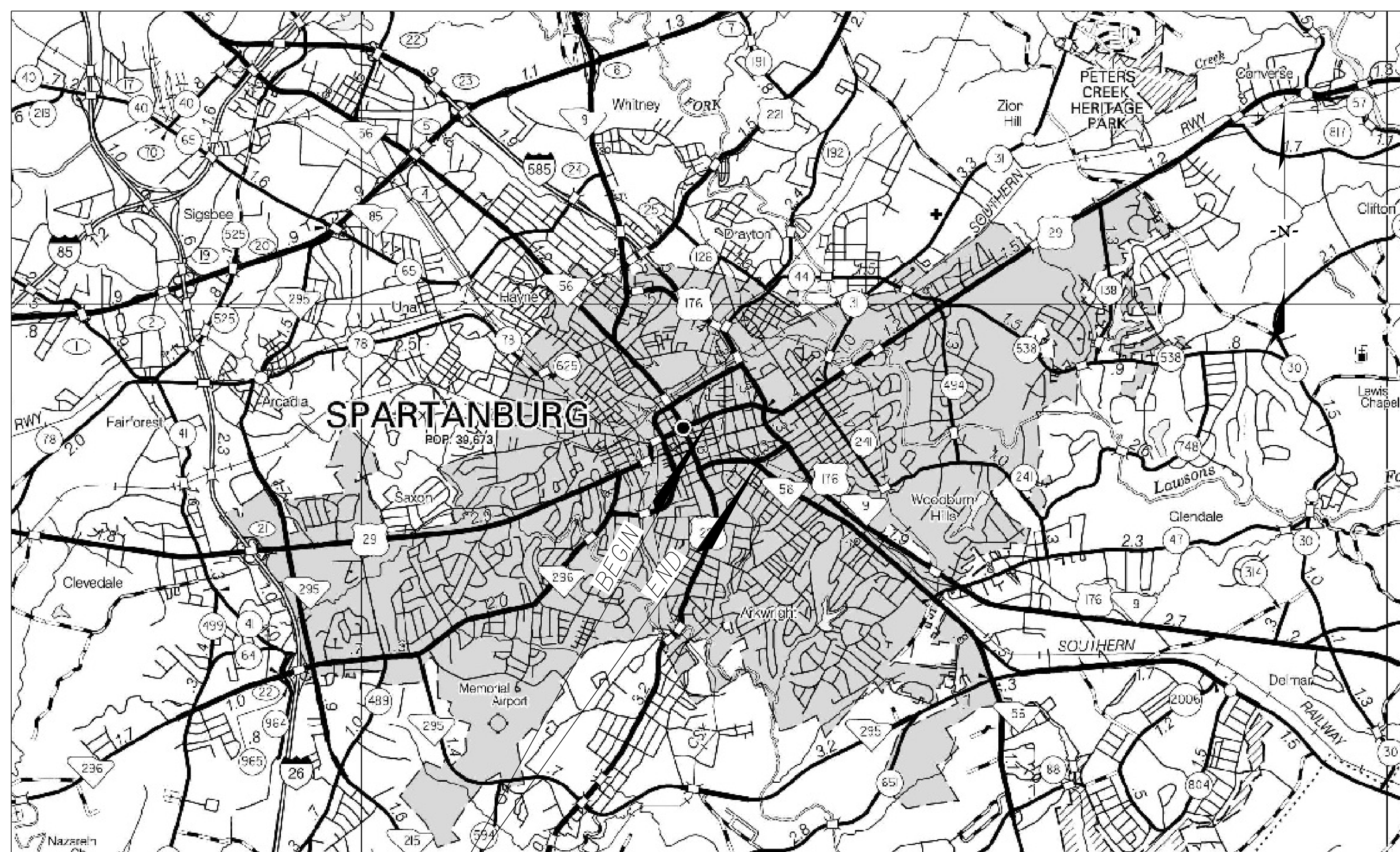
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TOTAL		92



South Carolina Department of Transportation



PROPOSED PLANS
FOR
THE CITY OF SPARTANBURG
PROJECT ID: P028136
MARY BLACK RAIL TRAIL EXTENSION
N. CONVERSE ST. TO E. HENRY ST.



LAYOUT
N.T.S.

SPARTANBURG, SC

MARY BLACK RAIL TRAIL
N. CONVERSE ST. STA. 60+36.57 TO STA. 77+37.50
KENNEDY ST. STA. 40+50.21 TO STA. 49+91.47
ADVENT ST. STA. 31+03.69 TO STA. 32+50.00
UNION ST. STA. 10+15.13 TO STA. 21+04.33
E. HENRY ST. STA. 80+93.16 TO STA. 84+06.78

NET LENGTH OF ROADWAY	0.776 MILES
CONVERSE ST.	0.334 MILES
KENNEDY ST. (S-1767)	0.166 MILES
UNION ST. (S-39)	0.187 MILES
ADVENT ST.	0.033 MILES
HENRY ST. (S-206)	0.056 MILES
NET LENGTH OF BRIDGES	0.000 MILES
NET LENGTH OF PROJECT	0.776 MILES
LENGTH OF EXCEPTIONS	0.000 MILES
GROSS LENGTH OF PROJECT	0.776 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.

DESIGN SPEED = 25 MPH (CONVERSE ST.)

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:
3R
These Plans Were Designed Using "3R" Principles From the 2017 Roadway Design Manual

NPDES PERMIT INFORMATION	
Disturbed Area =	1.52 Acre(s)
Project Area =	3.52 Acre(s)
Approximate Location of Roadway is	
Begin	
Latitude	34° 57' 11" N
Longitude	81° 55' 43" W
End	
Latitude	34° 56' 51" N
Longitude	81° 55' 21" W
Hydraulic and NPDES Design provided by: TOOLE DESIGN GROUP	
Designs may be obtained from the SCDOT Regional Production Group	

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

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

RAILROAD INVOLVEMENT?
YES / NO

TRAFFIC DATA	
CONVERSE ST.:	1,700
KENNEDY ST.:	4,700
2016 ADT	
CONVERSE ST.:	2,150
KENNEDY ST.:	5,950
2039 ADT	
TRUCKS	3%

SCDOT REVIEW	RIGHT-OF-WAY		CONSTRUCTION	
	INITIAL	DATE	INITIAL	DATE
PRECONSTRUCTION SUPPORT - ROAD			SMP	2/19/21
PRECONSTRUCTION SUPPORT - STRUCTURES			N/A	N/A
RPG - DESIGN MANAGER			MFS	2/19/21
RPG - PROGRAM MANAGER			WDH	2/18/21

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 FOR SIGNATURES

Date
Consultant Engineer of Record

Date
Regional Production Engineer

CONSULTING ENGINEERING FIRM
TOOLE DESIGN

ENGINEER OF RECORD
TOOLE DESIGN GROUP, LLC
NO. 004759
WILLIAM J. SCHULTZ
No. 30543
FOR CONSTRUCTION : _____
DATE

\$\$\$\$\$User\$\$\$\$\$
\$\$\$\$\$DOT\$\$\$\$\$filename\$\$\$\$\$
\$\$\$\$\$99\$\$\$\$\$



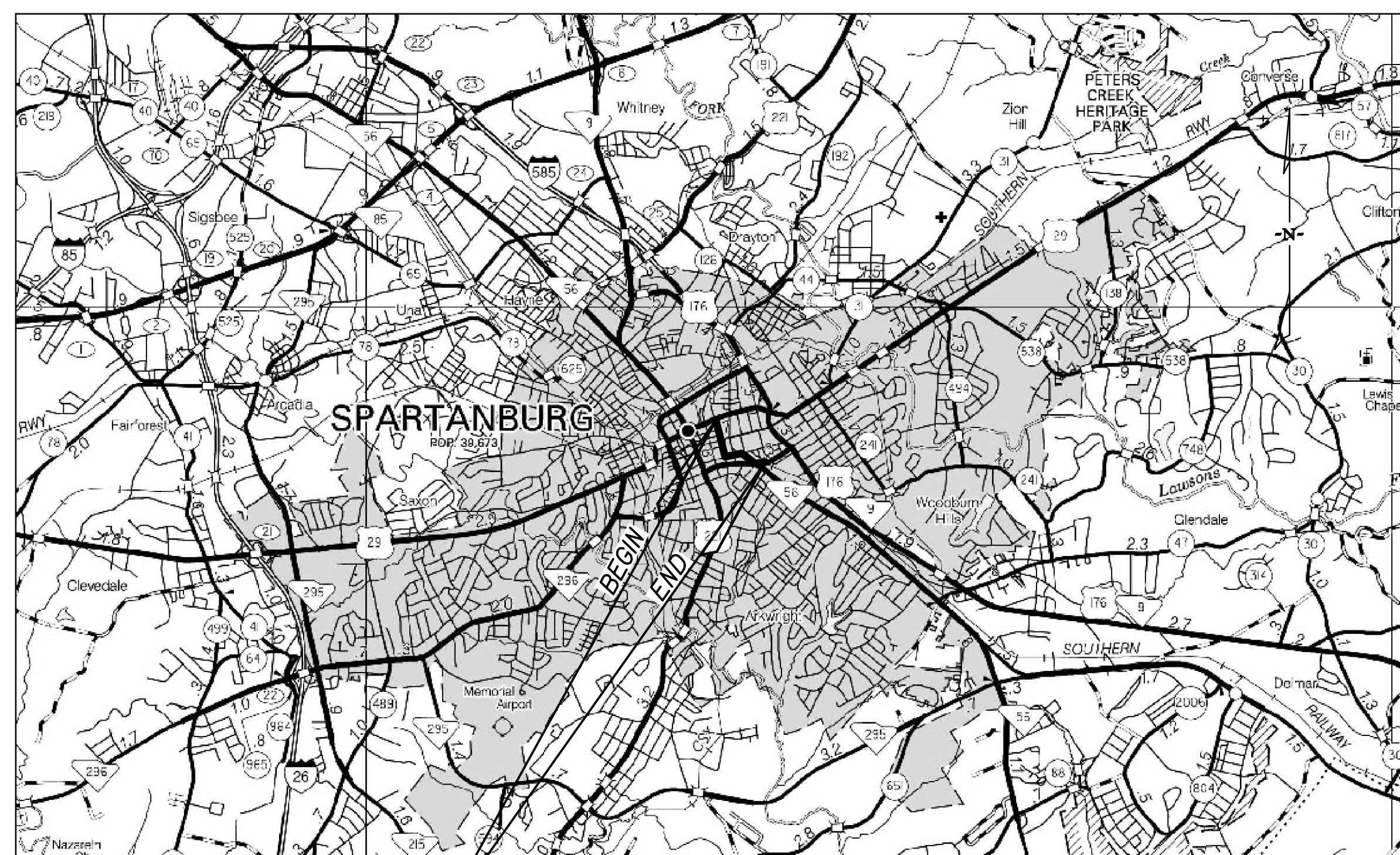
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17-21	CURB RAMP DETAILS	5
EC1	EROSION CONTROL DATA SHEET	1
X1-X26	CROSS SECTIONS	26
TOTAL		50

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:
3R
These Plans Were Designed Using "3R" Principles From the 2017 Roadway Design Manual

PROPOSED PLANS FOR THE CITY OF SPARTANBURG PROJECT ID: P028136 MARY BLACK RAIL TRAIL EXTENSION N. CONVERSE ST. TO E. HENRY ST.

NPDES PERMIT INFORMATION	
Disturbed Area =	1.52 Acre(s)
Project Area =	3.52 Acre(s)
Approximate Location of Roadway is	
Begin	
Latitude	34° 57' 11" N
Longitude	81° 55' 43" W
End	
Latitude	34° 56' 51" N
Longitude	81° 55' 21" W
Hydraulic and NPDES Design provided by: TOOLE DESIGN GROUP	
Designs may be obtained from the SCDOT Regional Production Group	



SPARTANBURG, SC

ENVIRONMENTAL PERMIT INFORMATION		
USACE PERMIT	___YES	<input checked="" type="checkbox"/> NO
NEPA DOCUMENT	___YES	<input checked="" type="checkbox"/> NO
401 CERTIFICATION	___YES	<input checked="" type="checkbox"/> NO
OCRM CAP	___YES	<input checked="" type="checkbox"/> NO
NAVIGABLE WATERS__SC	___USCG	___USACE <input checked="" type="checkbox"/> N/A

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

RAILROAD INVOLVEMENT?
YES NO

TRAFFIC DATA	
CONVERSE ST.:	1,700
2016 ADT KENNEDY ST.:	4,700
CONVERSE ST.:	2,150
2039 ADT KENNEDY ST.:	5,950
TRUCKS	3%

MARY BLACK RAIL TRAIL LAYOUT
N. CONVERSE ST. STA. 60+36.57 TO STA. 77+37.50
KENNEDY ST. STA. 40+50.21 TO STA. 49+91.47
ADVENT ST. STA. 31+03.69 TO STA. 32+50.00
UNION ST. STA. 10+15.13 TO STA. 21+04.33
E. HENRY ST. STA. 80+93.16 TO STA. 84+06.78

NET LENGTH OF ROADWAY	0.776 MILES
NET LENGTH OF BRIDGES	0.000 MILES
NET LENGTH OF PROJECT	0.776 MILES
LENGTH OF EXCEPTIONS	0.000 MILES
GROSS LENGTH OF PROJECT	0.776 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.

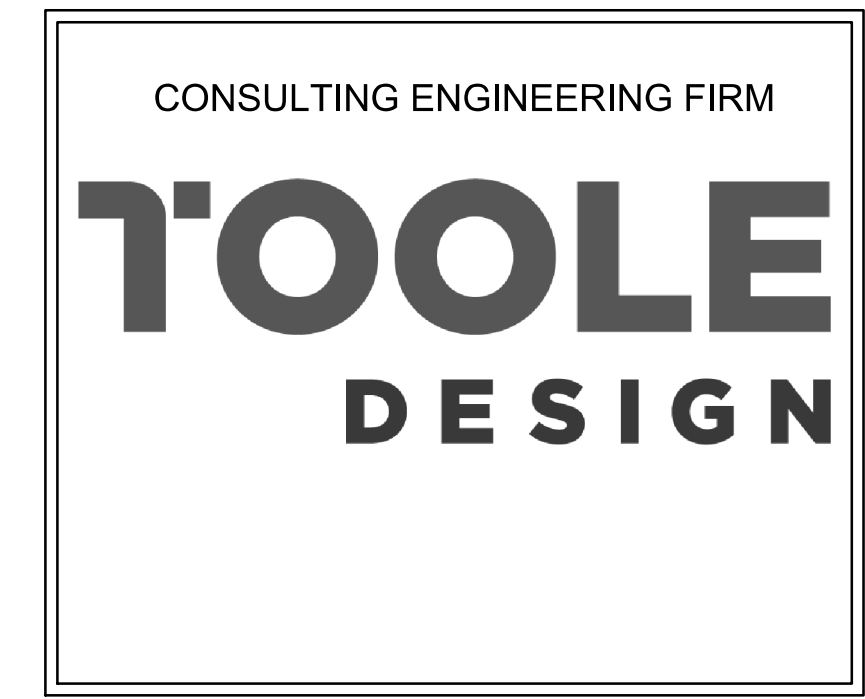
DESIGN SPEED = 25 MPH (CONVERSE ST.)

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:
Blake Loudermilk, PE October 30, 2018
Consultant Engineer of Record Date

Regional Production Engineer Date



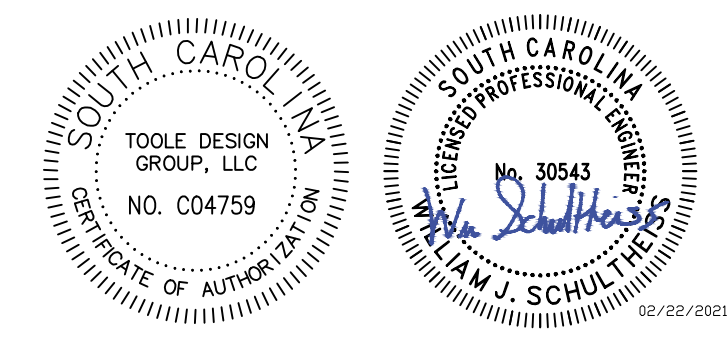
ENGINEER OF RECORD
FOR CONSTRUCTION : _____ DATE

\$\$\$User\$\$\$
\$\$\$dotn\$\$\$
\$\$\$dotc\$\$\$
\$\$\$doto\$\$\$

SUMMARY OF ESTIMATED QUANTITIES

ITEM NO.	PAY ITEM	QUANTITY	PAY UNIT
1031000	MOBILIZATION	1.00	LS
1032010	BONDS AND INSURANCE	1.00	LS
1050800	CONSTRUCTION STAKES, LINES & GRADES	1.00	EA
1071000	TRAFFIC CONTROL	1.00	LS
1080300	CPM PROGRESS SCHEDULE	1.00	LS
2011000	CLEARING AND GRUBBING WITHIN RIGHT OF WAY	1.00	LS
2021005	REMOVAL & DISPOSAL OF EXISTING CATCH BASIN	2.00	EA
2023000	REMOVAL & DISPOSAL OF EXISTING PAVEMENT	1524.00	SY
2024100	REMOVAL & DISPOSAL OF EXISTING CURB	3186.00	LF
2025000	REMOVAL & DISPOSAL OF EXISTING ASPHALT PAVEMENT	5451.00	SY
2031000	UNCLASSIFIED EXCAVATION	1155.00	CY
2033000	BORROW EXCAVATION	257.00	CY
2103000	FLOWABLE FILL	36.00	CY
3050106	GRADED AGGREGATE BASE COURSE (6" UNIFORM)	143.00	SY
3100320	HOT MIX ASPHALT BASE COURSE - TYPE B	363.00	TN
3100340	HOT MIX ASPHALT BASE COURSE - TYPE D	348.00	TN
4010005	PRIME COAT	232.00	GAL
4011004	LIQUID ASPHALT BINDER PG 64-22	60.00	TN
4030320	HOT MIX ASPHALT SURFACE COURSE TYPE B	182.00	TN
4030350	HOT MIX ASPHALT SURFACE COURSE TYPE D	174.00	TN
5019009	STAINED CONCRETE PAVEMENT (8" UNIFORM)	73.00	SF
6021114	PAVEMENT MARKINGS(TEMPORARY-PAINT)-4" YELLOW SOLID LINES	3387.00	LF
6021115	TEMPORARY CONSTRUCTION SIGNS (BARRICADE MOUNTED)	240.00	SF
6021120	PERMANENT CONSTRUCTION SIGNS (GROUND MOUNTED)	1160.00	SF
6041200	BARRICADE-TYPE 3	324.00	LF
6250005	4" WHITE BROKEN LINES(GAPS EXCL.) FAST DRY PAINT	628.00	LF
6250010	4" WHITE SOLID LINES (PVT. EDGE LINES) FAST DRY PAINT	4596.00	LF
6250012	6" WHITE SOLID LINES (PVT. EDGE LINES) FAST DRY PAINT	701.00	LF
6250015	8" WHITE SOLID LINES (CROSSWALK & CHANNELIZATION) FAST DRY PAINT	3278.00	LF
6250025	24" WHITE SOLID LINES (STOP/DIAG LINES) FAST DRY PAINT	1094.00	LF
6250030	WHITE SINGLE ARROWS (LT, STRGHT, RT) FAST DRY PAINT	25.00	EA
6250105	4" YELLOW BROKEN LINES(GAPS EXC) FAST DRY PAINT	1262.00	LF
6250110	4" YELLOW SOLID LINES (PVT.EDGE LINES) FAST DRY PAINT	18964.00	LF
6271005	4" WHITE BROKEN LINES(GAPS EXCL.)THERMOPLASTIC- 90 MIL.	314.00	LF
6271010	4" WHITE SOLID LINES (PVT. EDGE LINES) THERMO.- 90 MIL.	2378.00	LF
6271012	6" WHITE SOLID LINES (PVT. EDGE LINES) THERMO.- 90 MIL.	351.00	LF
6271015	8" WHITE SOLID LINES THERMOPLASTIC - 125 MIL.	4187.00	LF
6271020	12" WHITE SOLID LINES - THERMO. - 125 MIL.	25.00	LF
6271023	12" x 18" WHITE TRIANG. YIELD BAR (GAPS EXC)THERMO-125MIL	65.00	LF
6271025	24" WHITE SOLID LINES (STOP/DIAG LINES)-THERMO.-125 MIL	4395.00	LF
6271030	WHITE SINGLE ARROWS (LT, STRGHT, RT) THERMO.-125 MIL.	25.00	EA
6271035	WHITE WORD MESSAGE "ONLY" -THERMOPLASTIC - 125 MIL.	2.00	EA
6271064	4" YELLOW BROKEN LINES(GAPS EXC)THERMOPLASTIC - 90 MIL.	2641.00	LF
6271074	4" YELLOW SOLID LINES (PVT.EDGE LINES) THERMO-90 MIL.	9482.00	LF
6271080	24" YELLOW SOLID LINES - THERMOPLASTIC - 125 MIL.	66.00	LF
6280050	GREEN BIKE LANE MARK - PREF. THERMO 90 MIL.	1244.00	SF
6280055	BIKE LANE SYMBOL -PREFORMED THERMO - 90MIL	21.00	EA
6280056	BIKE LANE ARROW - PREFORMED THERMO - 90MIL	34.00	EA
6301100	PERM.YEL.PAV.MARK BI-DIR 4"X4"	20.00	EA
6319505	REMOVAL OF PAVEMENT MARKINGS	11672.00	LF
6510105	FLAT SHEET, TYPE III, FIXED SZ. & MSG. SIGN	313.00	SF
6513050	REMOVAL OF FLAT SHEET SIGN ATTACHED TO GROUND MOUNTED SIGN	4.00	EA
6531410	REMOVAL OF U-SECTION POST	8.00	EA
6551110	SQUARE TUBING POST 12 GAUGE - 1 3/4" x 1 3/4" x 8	584.00	LF
7011403	CONC. FOR STRUCTURES - CLASS 4000(ROADWAY)	30.00	CY
7143612	12" SMOOTH WALL PIPE	104.00	LF
7143615	15" SMOOTH WALL PIPE	31.00	LF
7143618	18" SMOOTH WALL PIPE	137.00	LF
7191005	CATCH BASIN -TYPE 1	4.00	EA
7191605	CATCH BASIN -TYPE 16	6.00	EA
7192011	DROP INLET (24" X 24") WITH STANDARD 4' X 4' BOX	1.00	EA
7196174	CATCH BASIN(T-17) (TOP ONLY)	2.00	EA
7196181	DROP INLET (24"X24") TOP ONLY	1.00	EA
7197110	ADJUST CATCH BASIN	1.00	EA
7198330	JUNCTION BOX - CONVERT CB T-1	1.00	EA
7198393	JUNCTION BOX - CONVERT CB T-17	1.00	EA
7198470	MANHOLE-CONV. CB T-9	1.00	EA
7198520	DROP INLET (24" X 24") - CONVERT MANHOLE	3.00	EA
7201000	CONCRETE CURB (9" X 15")	377.00	LF
7201505	PRECAST CONC.CURB STOP(6'LONG)	15.00	EA
7202000	HANDWORK THROAT CURB TO FLUME OR INLET	10.00	EA
7203210	CONCRETE CURB AND GUTTER (2'-0") VERTICAL FACE	3050.00	LF
7203230	CONCRETE CURB AND GUTTER (2'-0") OGEE	46.00	LF
7204100	CONCRETE SIDEWALK (4" UNIFORM)	613.00	SY
7204900	DETECTABLE WARNING MATERIAL	854.00	SF
7205000	CONCRETE DRIVEWAY (6" UNIFORM)	194.00	SY

ITEM NO.	PAY ITEM	QUANTITY	PAY UNIT
7206000	CONCRETE MEDIAN	267.00	SY
7209000	PEDESTRIAN RAMP CONSTRUCTION	700.00	SY
7209100	SURFACE APPLIED DETECTABLE WARNING	56.00	SF
8021904	4" PVC PIPE UNDERDRAIN (IRRIGATION SLEEVE)	200.00	LF
8091010	RIGHT OF WAY MARKER(REBAR&CAP)	26.00	EA
8091050	RIGHT OF WAY PLAT	1.00	LS
8100101	PERMANENT GRASSING FOR SMALL PROJECTS	0.10	AC
8101100	ORGANIC TOPSOIL	536.00	CY
8101105	COMPOST	26.00	CY
8101110	STRAW OR HAY MULCH WITH TACKIFIER	0.10	AC
8104005	FERTILIZER (NITROGEN)	18.00	LB
8104010	FERTILIZER (PHOSPHORIC ACID)	24.00	LB
8104015	FERTILIZER (POTASH)	12.00	LB
8105005	AGRICULTURAL GRANULAR LIME	200.00	LB
8109050	SELECTIVE WATERING	10860.00	GAL
8109901	MOWING FOR SEEDING	0.40	AC
8110220	DOUBLE GROUND HARDWOOD MULCH	75.00	CY
8114011	TREE PROTECTION FENCING	1.00	LS
8115510	IRRIGATION SYSTEM, COMPLETE	1.00	LS
8152004	INLET STRUCTURE FILTER - TYPE F (WEIGHTED)	200.00	LF
8990683	RELOCATE EXISTING PEDESTRIAN SIGNAL	1.00	EA
8990684	BRICK PAVERS -SAND CEMENT SET	504.00	SF
8990685	GRATES FOR RAISED CROSSWALK	58.00	SF
8990686	CONCRETE CURB (6" x 15") -PEDAL SAFE	1365.00	LF
8990687	CONCRETE CURB (6" x 15") - CHAMFER	1682.00	LF
8990688	CONCRETE CURB AND GUTTER- STEPPED CURB	31.00	LF
8990689	DIRECTIONAL INDICATORS	45.00	SF
	LANDSCAPING ITEMS LISTED ON SHEET L1		



7			
6			
5			
4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DWG.		DATE	
CKD.		DATE	

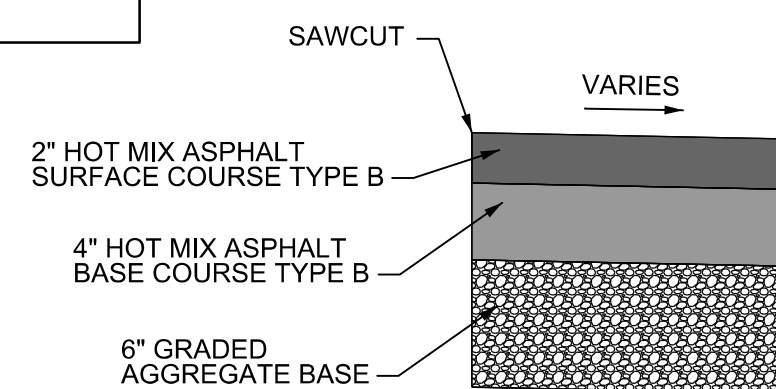
MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

TOOLE
DESIGN

SUMMARY OF ESTIMATED QUANTITIES

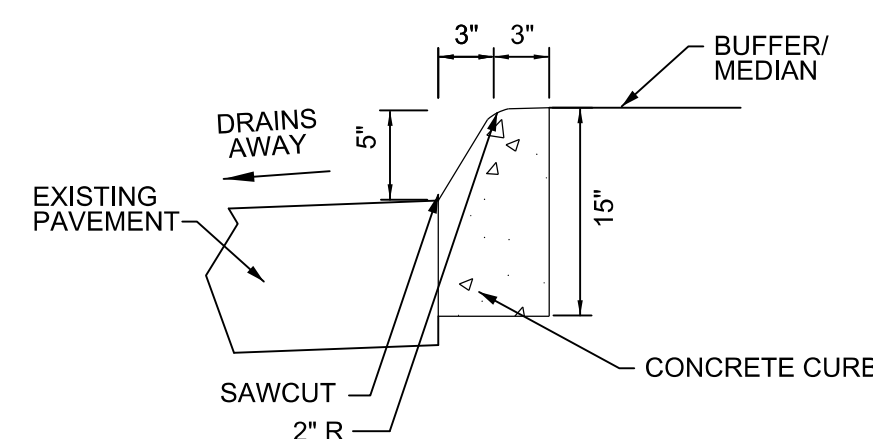
NOT TO SCALE SHEET 2

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707 S-56	3



FULL DEPTH PAVEMENT FOR MEDIAN REMOVAL AREA

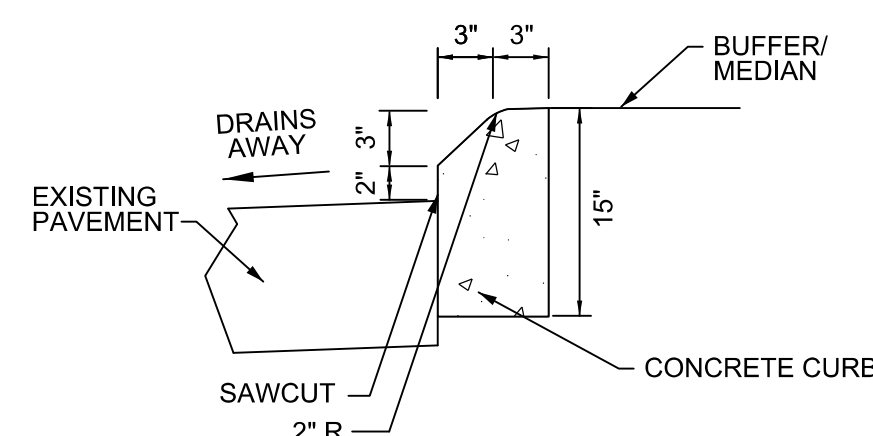
NOT TO SCALE - SEE SHEET 7



6"x15" CONCRETE CURB- PEDAL SAFE DETAIL

ADJACENT TO SEPARATED BIKE FACILITY
NOT TO SCALE

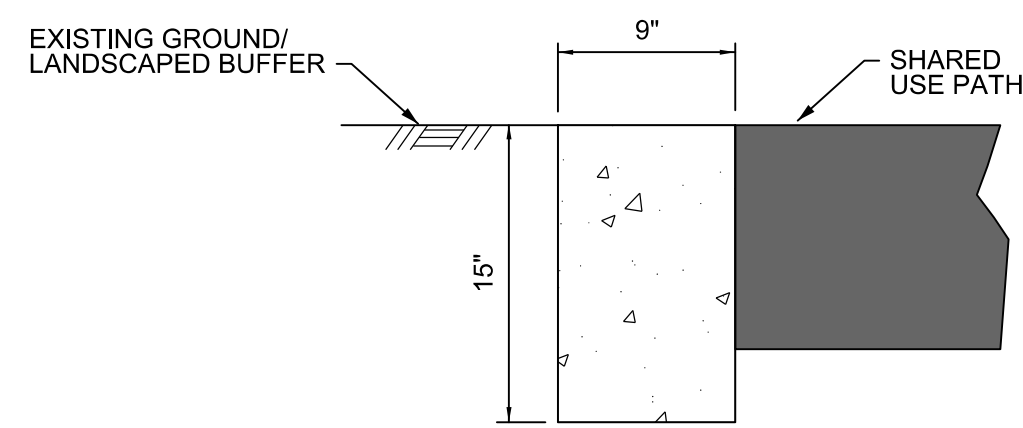
①



6"x15" CONCRETE CURB- CHAMFER DETAIL

ADJACENT TO ROADWAY
NOT TO SCALE

②



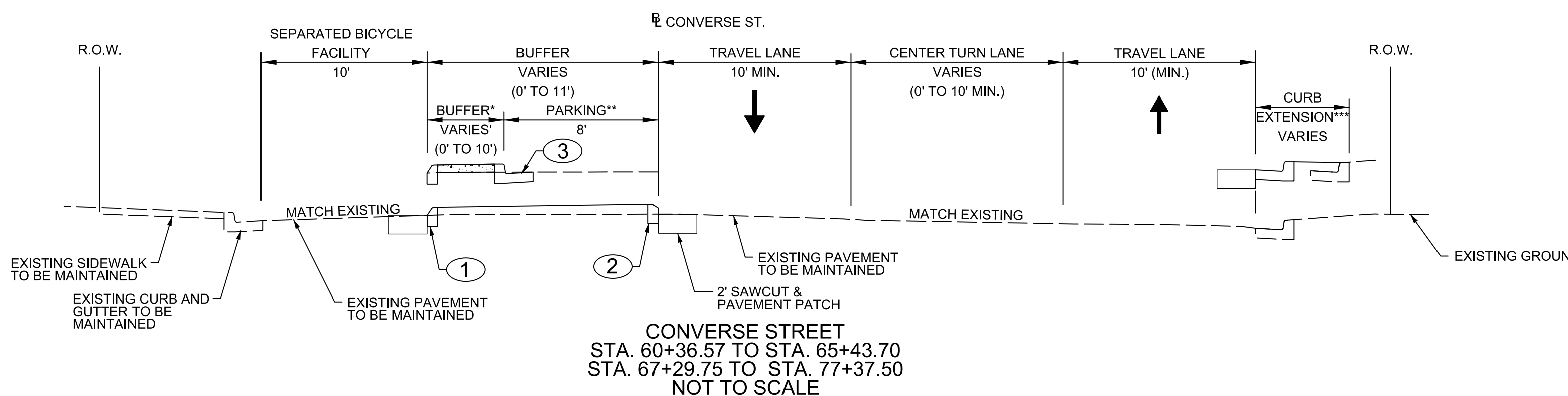
9"x15" MODIFIED CONCRETE CURB DETAIL

FOR USE ON CONVERSE ST AT MIDBLOCK CROSSING
FOR USE ON CONVERSE ST AT CYCLE TRACK
TRANSITION TO SIDEWALK LEVEL
NOT TO SCALE

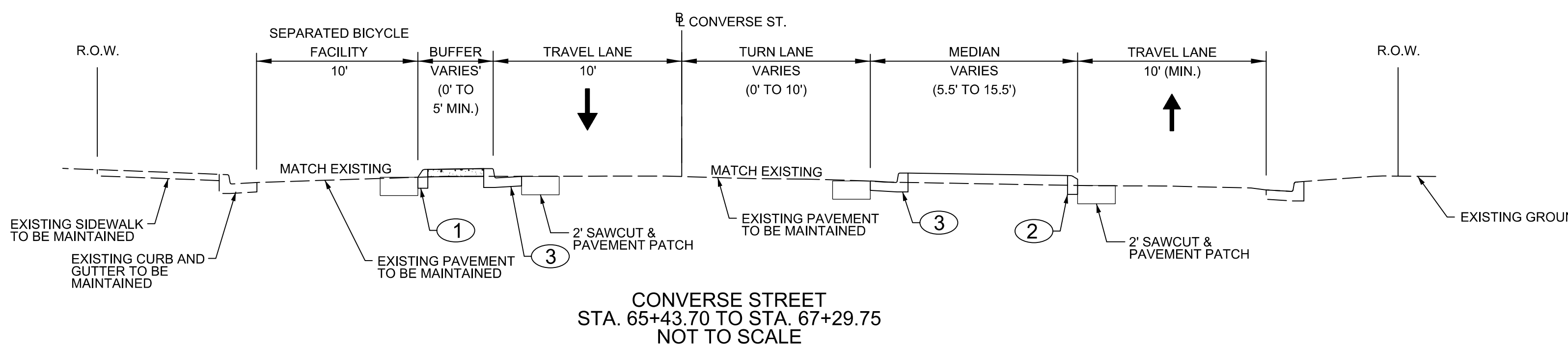
NOTE:

DESIGN SPEED FOR BICYCLE FACILITIES IS 12 MPH
DESIGN SPEED FOR CONVERSE ST. IS 25 MPH

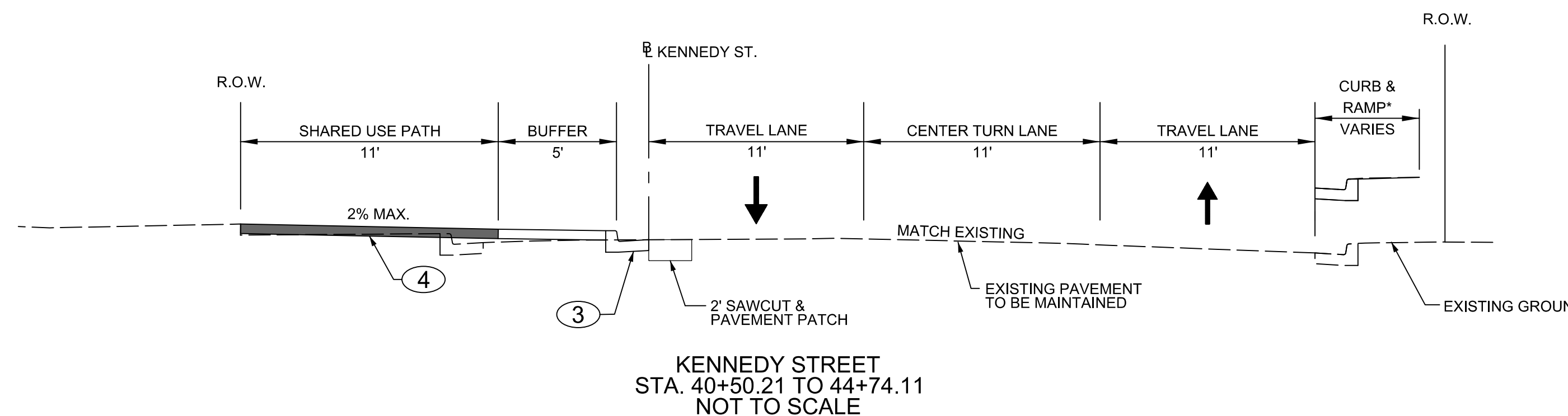
- ① CONCRETE CURB (6"x15")- PEDAL SAFE, SEE DETAIL (THIS SHEET)
- ② CONCRETE CURB (6"x15")- CHAMFER, SEE DETAIL (THIS SHEET)
- ③ CONCRETE CURB & GUTTER (SCDOT 720-105-01 DETAIL 1)
- ④ HMA SURFACE COURSE TYPE D (2" UNIFORM)
HMA BASE COURSE TYPE D (4" UNIFORM)
- ⑤ 9"x15" MODIFIED CONCRETE CURB, SEE DETAIL (THIS SHEET)
- ⑥ CONCRETE CURB & GUTTER- STEPPED CURB, SEE DETAIL (SHEET 3A)



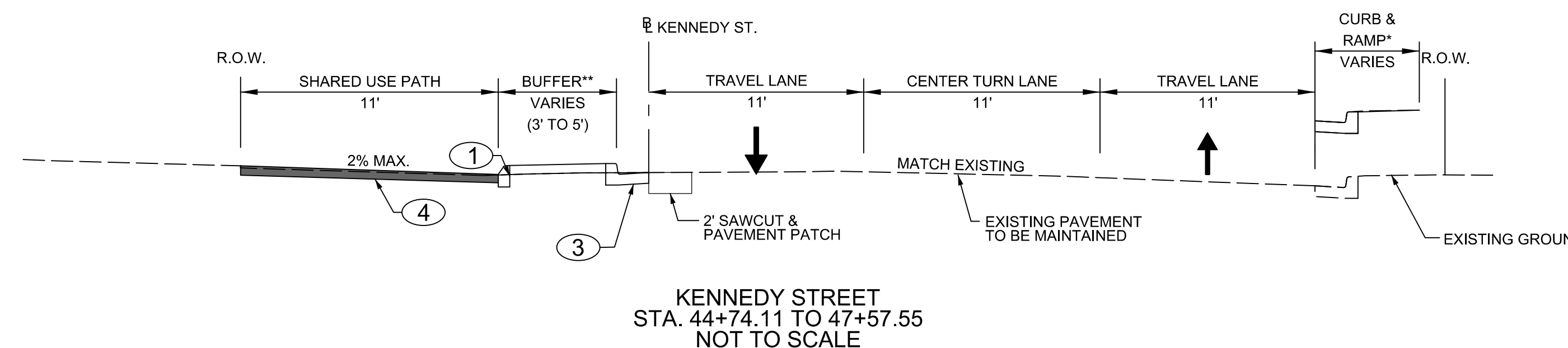
**CONVERSE STREET
STA. 60+36.57 TO STA. 63+14.59
STA. 67+29.75 TO STA. 77+37.50
NOT TO SCALE**



**CONVERSE STREET
STA. 65+43.70 TO STA. 67+29.75
NOT TO SCALE**



**KENNEDY STREET
STA. 40+50.21 TO 44+74.11
NOT TO SCALE**



**KENNEDY STREET
STA. 44+74.11 TO 47+57.55
NOT TO SCALE**

CONVERSE ST.

*LANE SHIFT
STA. 60+36.37 TO STA. 63+14.59

**PARKING LANE
STA. 70+61.35 TO STA. 71+61.35
STA. 73+65.86 TO STA. 74+73.02
STA. 75+13.02 TO STA. 76+17.30

***CURB EXTENSION
STA. 60+50.94 TO STA. 61+50.92

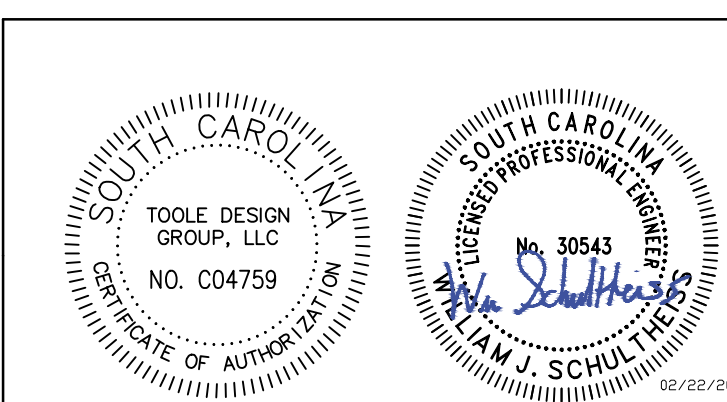
KENNEDY STREET

* CURB RAMPS
STA. 40+50.00 TO STA. 40+71.05
STA. 48+82.20 TO STA. 49+17.45
STA. 49+71.89 TO STA. 49+91.47

**VARIABLE WIDTH BUFFER
STA. 45+58.25 TO STA. 46+66.10
STA. 47+02.10 TO STA. 47+57.55

FUNCTIONAL CLASSIFICATION:

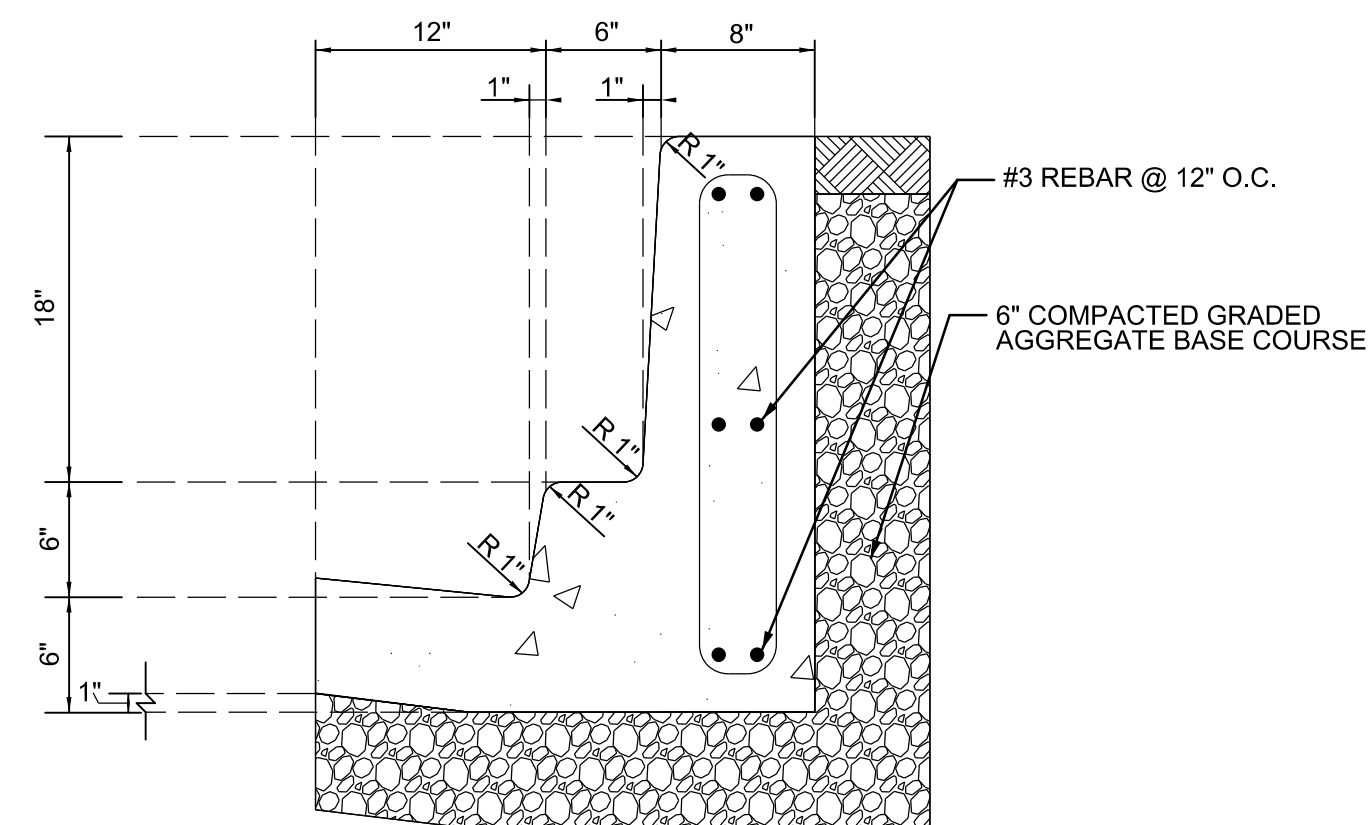
CONVERSE STREET: MAJOR COLLECTOR
KENNEDY STREET: MAJOR COLLECTOR
UNION STREET: MAJOR COLLECTOR



TOOLE DESIGN
172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

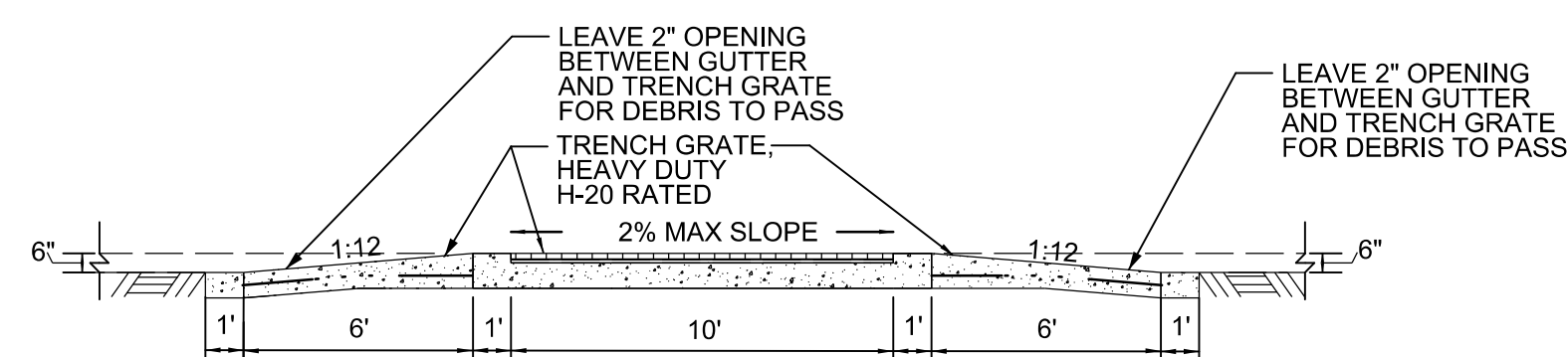
4				
3				
2				
1				
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
TOPO.		DATE		
DWG.		DATE	SQUAD -	
R/W		DATE		

MARY BLACK RAIL TRAIL EXTENSION SPARTANBURG, SC	
TYPICAL SECTIONS	
NOT TO SCALE	SHEET NO. 3



CONCRETE CURB & GUTTER - STEPPED CURB DETAIL

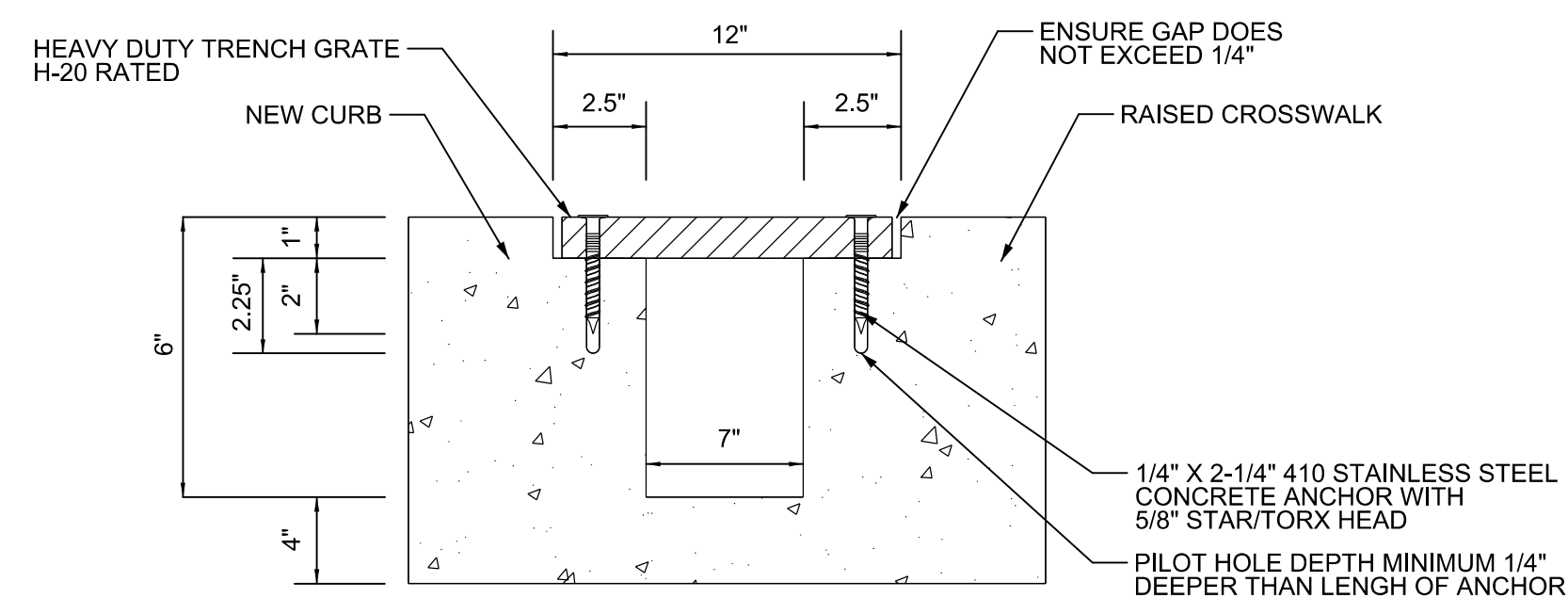
FOR CURB & GUTTER (PARKING LOT OF PARCEL I)
NOT TO SCALE



RAISED CROSSWALK AT CURB

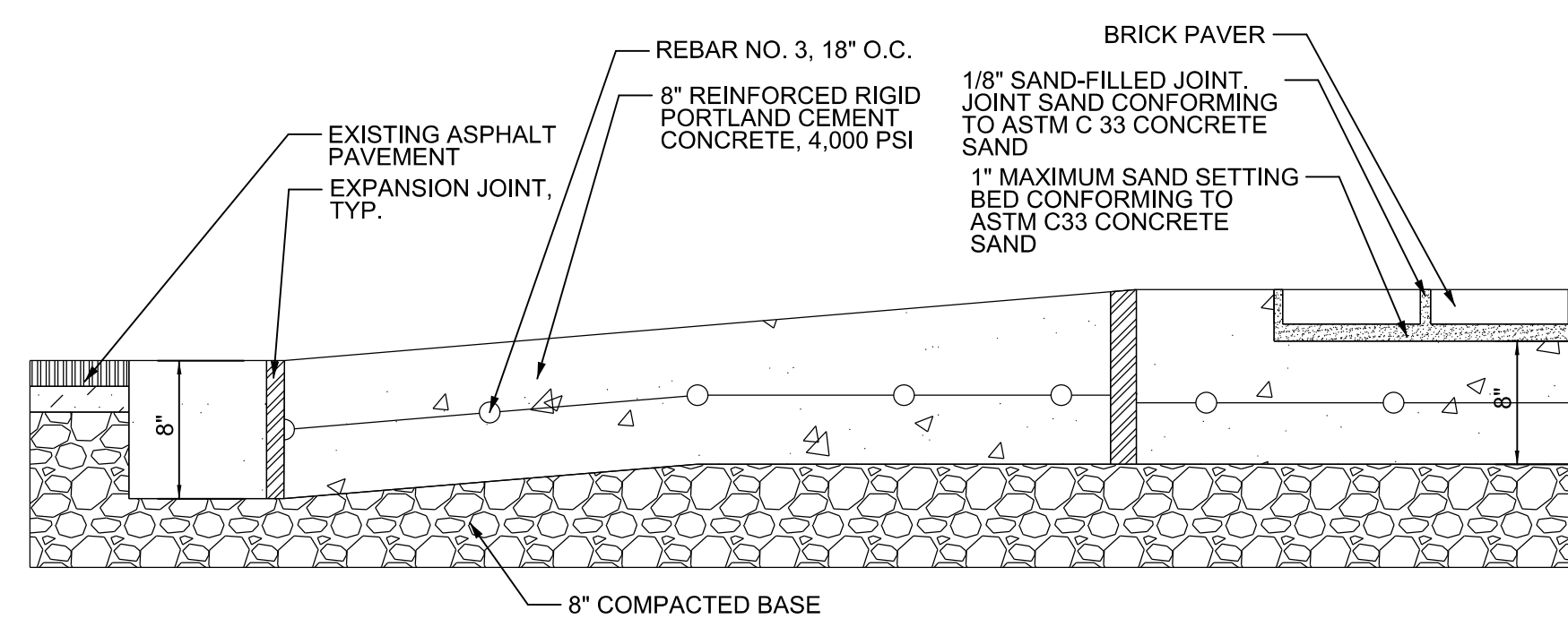
FOR TRENCH GRATE SECTIONS
NOT TO SCALE

NOTE: Longitudinal slope must not exceed 5% from sidewalk to sidewalk at raised pedestrian crosswalk.
Contractor is responsible for meeting ADA standards for raised crosswalk slope and cross slope.



RAISED CROSSWALK GRATE DETAIL

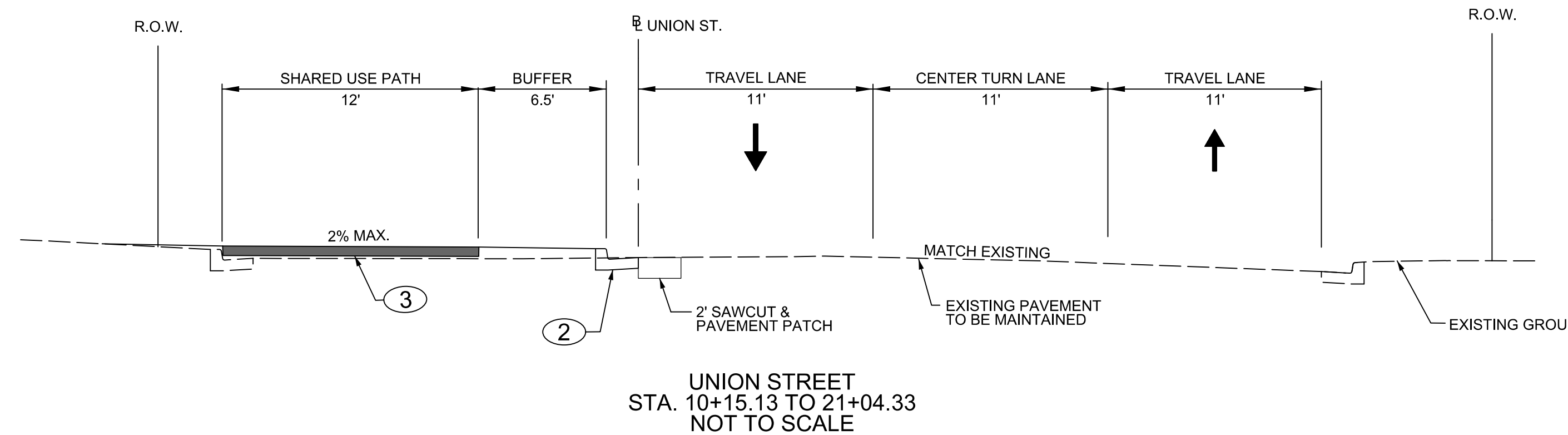
NOT TO SCALE



SPEED TABLE

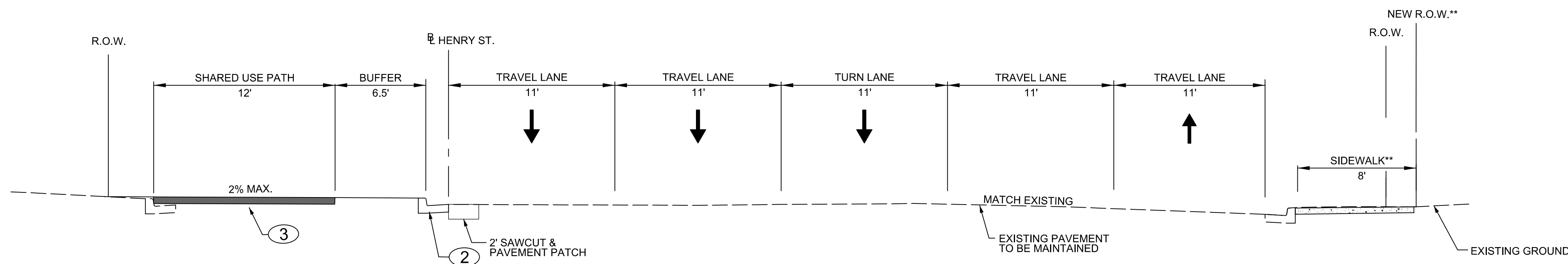
NOT TO SCALE

NOTE: SEE BRICK PAVER SPECIFICATION FOR DIMENSIONS AND COLOR

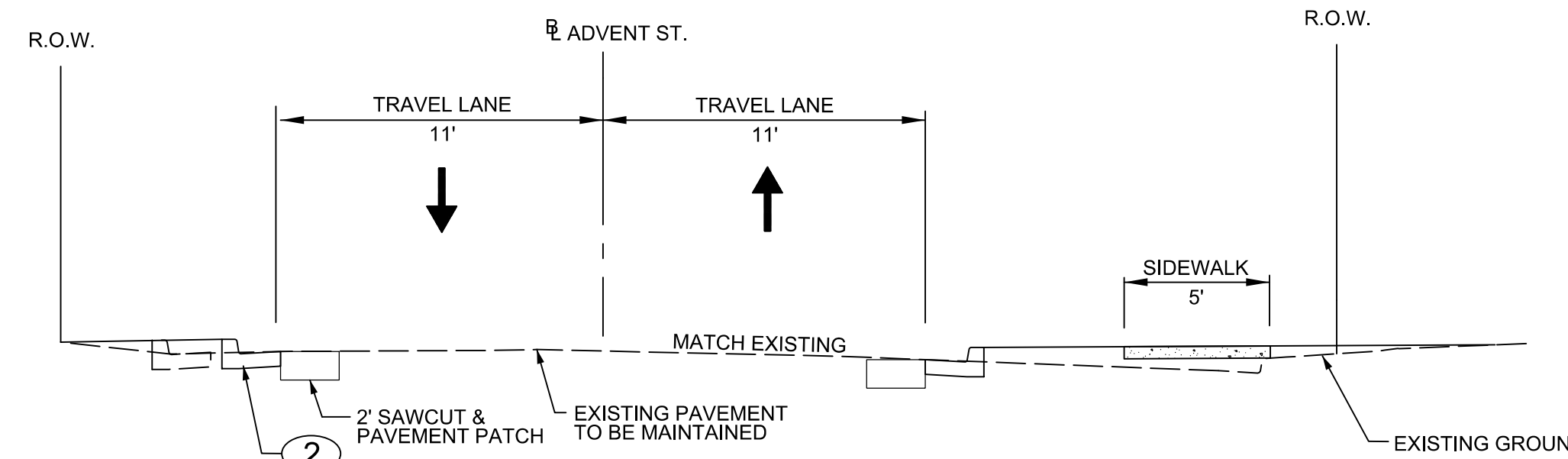


**UNION STREET
STA. 10+15.13 TO 21+04.33
NOT TO SCALE**

UNION STREET
* SIDEWALK
STA. 10+15.13 TO STA. 11+21.26



**HENRY STREET
STA. 80+93.16 TO 84+06.78
NOT TO SCALE**



**ADVENT STREET
STA. 31+03.69 TO 32+50.00
NOT TO SCALE**

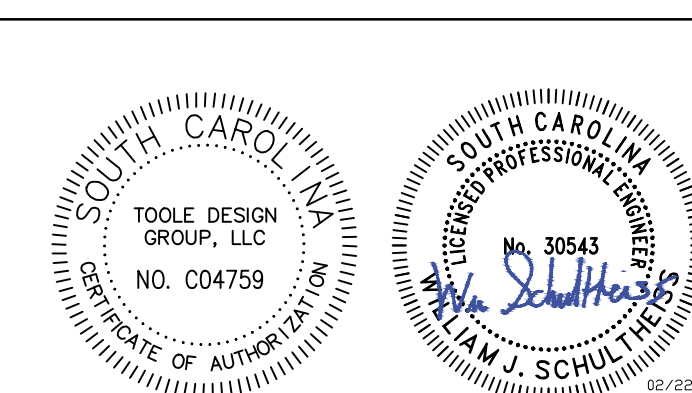
NOTE:

DESIGN SPEED FOR BICYCLE FACILITIES IS 12 MPH
DESIGN SPEED FOR CONVERSE ST. IS 25 MPH

- ① CONCRETE CURB (6"x15")- PEDAL SAFE, SEE DETAIL (SHEET 3)
- ② CONCRETE CURB & GUTTER (SCDOT 720-105-01 DETAIL 1)
- ③ HMA SURFACE COURSE TYPE D (2" UNIFORM)
HMA BASE COURSE TYPE D (4" UNIFORM)

FUNCTIONAL CLASSIFICATION:

CONVERSE STREET: MAJOR COLLECTOR
KENNEDY STREET: MAJOR COLLECTOR
UNION STREET: MAJOR COLLECTOR



TOOLE DESIGN
172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

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

**MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC**

TYPICAL SECTIONS

NOT TO SCALE SHEET NO. 3A

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
RIGHT-OF-WAY DATA SHEET**

FED. ROAD DIST. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028138	S-296.6-1707-550	4

TRACT NO.	PROPERTY OWNER	TAX MAP REFERENCE	TOTAL TRACT ACRES	OBTAIN ^A			REMAINDER LEFT ^B ACRES	REMAINDER RIGHT ^B ACRES	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										
1	FIRST BAPTIST CHURCH	7-12-10-057.00	0.64													
1	FIRST BAPTIST CHURCH	7-12-10-054.01	0.530				331 SF (0.0075 ACRE)	0.523								
1	FIRST BAPTIST CHURCH	7-12-11-006.00	2.91													
1	FIRST BAPTIST CHURCH	7-12-10-056.00	1.73										YES			
1	FIRST BAPTIST CHURCH	7-12-10-052.00	1.68				2178 SF (0.0500 ACRE)	1.630					YES	YES		
2	CITY OF SPARTANBURG SPARTANBURG WATER SYSTEM	7-12-18-074.00	1.63													
2	CITY OF SPARTANBURG SPARTANBURG WATER SYSTEM	7-12-18-059.00	0.44													
3	FIRST BAPTIST CHURCH STUDENT CENTER	7-12-18-068.00	1.469													
4	SECURITY GROUP, INC.	7-12-10-083.00	0.19													
5	CITY OF SPARTANBURG PARK	7-12-21-114.00	0.43													
6	DENNY'S	7-12-21-106.00	1.620													
7	BROADWALK DEVELOPMENT, LLC	7-12-21-103.01	1.03													
8	CITY OF SPARTANBURG PARKING GARAGE	7-12-21-103.00	2.630													
9	BENNETT L. EVANS	7-12-11-185.00	0.260													
10	SPARTANBURG COMMUNITY COLLEGE DOWNTOWN CAMPUS	7-12-22-004.00	4.560										YES	YES		
11	GERALD TUCKER	7-12-11-186.00	0.33													
12	JOSEPH LEE SILL, JR.	7-12-11-109.00	0.19				20.87 SF (0.0005 ACRE)	8254.62 SF								
13	IVEY O'SULLIVAN, HEALTHCARE	7-12-11-209.04	0.79				65.01 SF (0.0015 ACRE)	0.789								
14	MD REALTY, LLC	7-12-11-201.00	0.360													
15	ROBERT SARGENT	7-12-11-202.00	0.10													
15	ROBERT SARGENT	7-12-11-203.00	0.20													
16	MD REALTY, LLC	7-12-11-209.01	0.950													
17	EPISCOPAL CHURCH OF THE ADVENT	7-12-11-099.00	0.073													
17	EPISCOPAL CHURCH OF THE ADVENT	7-12-11-100.00	0.533				1668 SF (0.0383 ACRE)	0.495								
18	WHITE HORSE INVESTMENTS, LLC	7-12-11-215.02	2.457				3105 SF (0.0713 ACRE)	2.386			YES		YES			
18	WHITE HORSE INVESTMENTS, LLC	7-12-11-214.00	0.749													
19	JD GREENE INDUSTRIES	7-12-11-217.00	0.270													
20	SOUTHEASTERN HOLDINGS OF THE CAROLINAS, LLC (RICKY'S RESTAURANT)	7-12-15-391.00	0.747				466.16 SF (0.0107 ACRE)	0.736								
21	CITY OF SPARTANBURG	7-12-11-213.00	0.085				2165 SF (0.0497 ACRE)	1537.67 SF					YES			

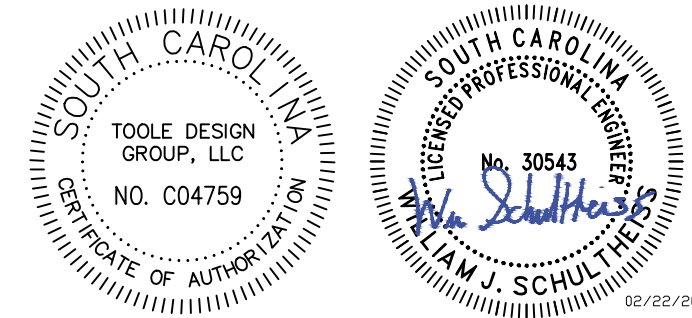
NOTES:
 A TOTAL OBTAIN INCLUDES HIGHLAND, MARSH AND OUTFALL DITCHES.
 OBTAINS WILL BE SHOWN IN SQUARE FEET AND ACRES. ACRES WILL BE SHOWN IN PARENTHESES UNDER SQUARE FEET. IN RURAL AREAS OBTAINS MAY BE SHOWN IN ACRES ONLY. OUTFALL DITCHES WILL BE SHOWN IN ACRES ONLY.

B SHOW REMAINDER IN SQUARE FEET WHEN LESS THAN 0.25 ACRE.

C RAW ACQUISITION AND COORDINATION IS BEING COMPLETED BY THE CITY OF SPARTANBURG.

REVISIONS

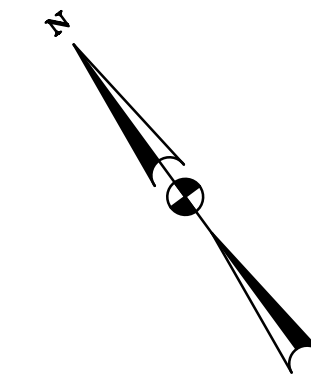
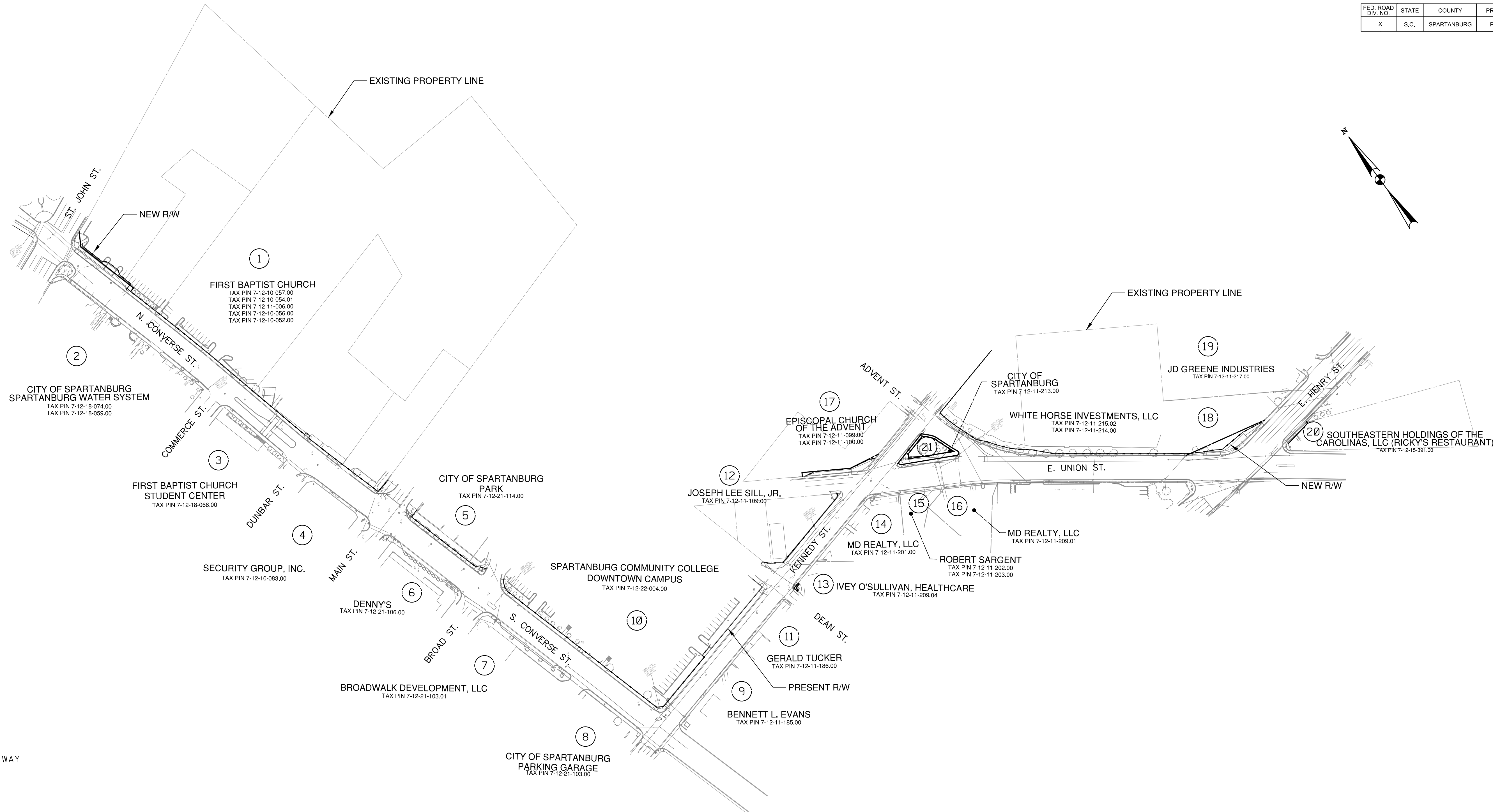
DATE	TRACT NO.	REMARKS	DATE	TRACT NO.	REMARKS



MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

RIGHT OF WAY DATA SHEET

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S.290, S.1787, S.56	4A

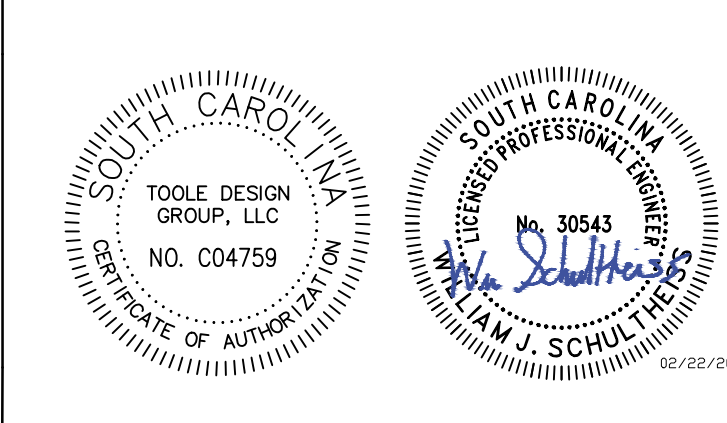


LEGEND

—— PRESENT RIGHT OF WAY

—— PROPERTY LINES

—— NEW RIGHT OF WAY



TOOLE DESIGN

172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

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

MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

PROPERTY STRIP MAP

NOT TO SCALE

SHEET NO. 4A



GENERAL CONSTRUCTION NOTES

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE/ROAD NO.	SHEET NO.
3	S.C.	SPARTANBURG	P028136	S 250, S-1767, S 56	5

ITEM NO.	PAY ITEM	QUANTITY	PAY UNIT	USE DESCRIPTION
1031000	MOBILIZATION	1.000	LS	PER CONTRACT DOCUMENTS
1032010	BONDS AND INSURANCE	1.000	LS	PER CONTRACT DOCUMENTS
1050800	CONSTRUCTION STAKES, LINES & GRADES	1.000	EA	PER CONTRACT DOCUMENTS
1071000	TRAFFIC CONTROL	1.000	LS	PER CONTRACT DOCUMENTS
1080300	CPM PROGRESS SCHEDULE	1.000	LS	PER CONTRACT DOCUMENTS
2011000	CLEARING AND GRUBBING WITHIN RIGHT OF WAY	1.000	LS	WHERE DIRECTED BY ENGINEER
2021005	REMOVAL & DISPOSAL OF EXISTING CATCH BASIN	2.000	EA	SEE DRAINAGE SHEETS
2023000	REMOVAL & DISPOSAL OF EXISTING PAVEMENT	1524.000	SY	WHERE DIRECTED BY ENGINEER
2024100	REMOVAL & DISPOSAL OF EXISTING CURB	3186.000	LF	WHERE DIRECTED BY ENGINEER
2025000	REMOVAL & DISPOSAL OF EXISTING ASPHALT PAVEMENT	5451.000	SY	WHERE DIRECTED BY ENGINEER
2031000	UNCLASSIFIED EXCAVATION	230.000	CY	REMOVAL FOR PIPE AND DRAINAGE BASINS
2031000	UNCLASSIFIED EXCAVATION	296.000	CY	REMOVAL FOR LANDSCAPING - 6" DEPTH
2031000	UNCLASSIFIED EXCAVATION	133.000	CY	MEDIAN REMOVAL EXTRA DEPTH- 6"
2031000	UNCLASSIFIED EXCAVATION	147.000	CY	CURB AND SIDEWALK CONSTRUCTION
2031000	UNCLASSIFIED EXCAVATION	302.000	CY	EXTRA DEPTH FOR NEW CURB SAWCUT
2031000	UNCLASSIFIED EXCAVATION	48.000	CY	EXTRA DEPTH FOR PATCH OF MEDIAN ON CONVERSE
2033000	BORROW EXCAVATION	157.000	CY	FOR LEVELING BEHIND SIDEWALK
2033000	BORROW EXCAVATION	100.000	CY	WHERE DIRECTED BY ENGINEER
2103000	FLOWABLE FILL	36.000	CY	DETAILS ON DRAINAGE SHEETS
3050106	GRADED AGGREGATE BASE COURSE (6" UNIFORM)	143.000	SY	FOR PATCHING OF MEDIAN AFTER REMOVAL
3100320	HOT MIX ASPHALT BASE COURSE - TYPE B	363.000	TN	FOR PATCHING OF MEDIAN AFTER REMOVAL
3100340	HOT MIX ASPHALT BASE COURSE - TYPE D	348.000	TN	FOR CONSTRUCTION OF SHARED USE PATH
4010005	PRIME COAT	232.000	GAL	FOR PATCHING OF MEDIAN AFTER REMOVAL
4011004	LIQUID ASPHALT BINDER PG 64-22	60.000	TN	FOR USE IN PATCHING AND CONSTRUCTION OF SHARED USE PATH
4030320	HOT MIX ASPHALT SURFACE COURSE TYPE B	182.000	TN	FOR PATCHING OF MEDIAN AFTER REMOVAL
4030350	HOT MIX ASPHALT SURFACE COURSE TYPE D	174.000	TN	FOR CONSTRUCTION OF SHARED USE PATH
5019009	STAINED CONCRETE PAVEMENT (8" UNIFORM)	73.000	SF	FOR TRUCK APRON AT CORNER OF CONVERSE AND KENNEDY
6021114	PAVEMENT MARKINGS(TEMPORARY-PAINT)-4" YELLOW SOLID LINES	3387.000	LF	FOR WORK ZONE TRAFFIC CONTROL
6021115	TEMPORARY CONSTRUCTION SIGNS (BARRICADE MOUNTED)	240.000	SF	FOR WORK ZONE TRAFFIC CONTROL
6021120	PERMANENT CONSTRUCTION SIGNS (GROUND MOUNTED)	1160.000	SF	FOR WORK ZONE TRAFFIC CONTROL
6041200	BARRICADE-TYPE 3	324.000	LF	FOR WORK ZONE TRAFFIC CONTROL
6250005	4" WHITE BROKEN LINES(GAPS EXCL.) FAST DRY PAINT	628.000	LF	FOR WORK ZONE TRAFFIC CONTROL
6250010	4" WHITE SOLID LINES (PVT. EDGE LINES) FAST DRY PAINT	4596.000	LF	FOR WORK ZONE TRAFFIC CONTROL
6250012	6" WHITE SOLID LINES (PVT. EDGE LINES) FAST DRY PAINT	701.000	LF	FOR WORK ZONE TRAFFIC CONTROL
6250015	8" WHITE SOLID LINES (CROSSWALK & CHANNELIZATION) FAST DRY PAINT	3278.000	LF	FOR WORK ZONE TRAFFIC CONTROL
6250025	24" WHITE SOLID LINES (STOP/DIAG LINES) FAST DRY PAINT	1094.000	LF	FOR WORK ZONE TRAFFIC CONTROL
6250030	WHITE SINGLE ARROWS (LT, STRGHT, RT) FAST DRY PAINT	25.000	EA	FOR WORK ZONE TRAFFIC CONTROL
6250105	4" YELLOW BROKEN LINES(GAPS EXC) FAST DRY PAINT	1262.000	LF	FOR WORK ZONE TRAFFIC CONTROL
6250110	4" YELLOW SOLID LINES (PVT.EDGE LINES) FAST DRY PAINT	18964.000	LF	FOR WORK ZONE TRAFFIC CONTROL
6319505	REMOVAL OF PAVEMENT MARKINGS	11672.000	LF	FOR WORK ZONE TRAFFIC CONTROL
7011403	CONC. FOR STRUCTURES - CLASS 4000(ROADWAY)	30.000	CY	FOR CONSTRUCTION OF SPEED TABLE
7201000	CONCRETE CURB (9" X 15")	377.000	LF	FOR USE AT MIDBLOCK AND WHERE FACILITY TRANSITIONS TO SIDEWALK LEVEL
7201505	PRECAST CONC.CURB STOP(6"LONG)	15.000	EA	FOR USE ON PARCEL 1 AND PARCEL 12
7203210	CONCRETE CURB AND GUTTER (2'-0") VERTICAL FACE	3050.000	LF	PER TYPICAL SECTIONS
7203230	CONCRETE CURB AND GUTTER (2'-0") OGEE	46.000	LF	FOR USE IN TRUCK APRON
7204100	CONCRETE SIDEWALK (4" UNIFORM)	613.000	SY	WHERE DIRECTED BY ENGINEER
7204900	DETECTABLE WARNING MATERIAL	854.000	SF	SEE CURB RAMP DETAILS
7205000	CONCRETE DRIVEWAY (6" UNIFORM)	194.000	SY	TO RECONSTRUCT DRIVEWAY ON PARCEL 1, 10, AND 12
7206000	CONCRETE MEDIAN	267.000	SY	SEE CURB RAMP DETAILS
7209000	PEDESTRIAN RAMP CONSTRUCTION	700.000	SY	SEE CURB RAMP DETAILS
7209100	SURFACE APPLIED DETECTABLE WARNING	56.000	SF	WHERE DIRECTED BY ENGINEER
8021904	4" PVC PIPE UNDERDRAIN	200.000	LF	WHERE DIRECTED BY ENGINEER
8091010	RIGHT OF WAY MARKER(REBAR&CAP)	26.000	EA	FOR RIGHT OF WAY CORNER MONUMENTS
8091050	RIGHT OF WAY PLAT	1.000	LS	FOR RIGHT OF WAY PLAT
8101105	COMPOST	26.000	CY	WHERE DIRECTED BY ENGINEER
8101110	STRAW OR HAY MULCH WITH TACKIFIER	0.100	AC	WHERE DIRECTED BY ENGINEER
8104005	FERTILIZER (NITROGEN)	18.000	LB	WHERE DIRECTED BY ENGINEER
8104010	FERTILIZER (PHOSPHORIC ACID)	24.000	LB	WHERE DIRECTED BY ENGINEER
8104015	FERTILIZER (POTASH)	12.000	LB	WHERE DIRECTED BY ENGINEER
8105005	AGRICULTURAL GRANULAR LIME	200.000	LB	WHERE DIRECTED BY ENGINEER
8109050	SELECTIVE WATERING	10860.000	GAL	WHERE DIRECTED BY ENGINEER
8109901	MOWING FOR SEEDING	0.400	AC	WHERE DIRECTED BY ENGINEER
8114011	TREE PROTECTION FENCING	1.000	LS	WHERE DIRECTED BY ENGINEER
8115510	IRRIGATION SYSTEM, COMPLETE	1.000	LS	TO BE REVIEWED AND APPROVED BY ENGINEER
8152004	INLET STRUCTURE FILTER - TYPE F (WEIGHTED)	200.000	LF	WHERE DIRECTED BY ENGINEER
8990686	CONCRETE CURB (6" x 15") -PEDAL SAFE	1365.000	LF	PER TYPICAL SECTIONS
8990687	CONCRETE CURB (6" x 15") - CHAMFER	1682.000	LF	PER TYPICAL SECTIONS

PROJECT CONTACTS		
NAME	TELEPHONE	

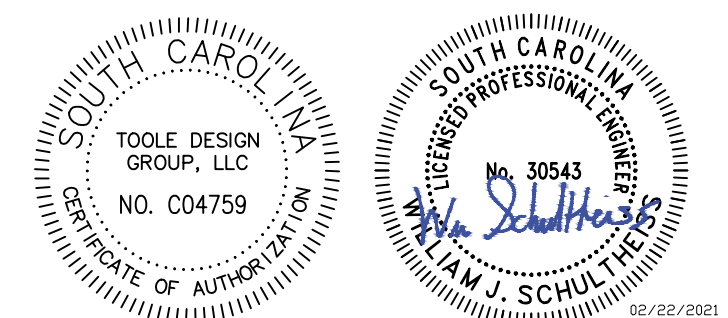
SCDOT GENERAL CONSTRUCTION NOTES:
 THE DEPUTY SECRETARY FOR ENGINEERING MUST SPECIFICALLY AUTHORIZE CHANGES INVOLVING INCREASED COST OF THE PROJECT OR CHANGES IN ALIGNMENT. THE DISTRICT ENGINEERING ADMINISTRATOR IS PERMITTED UNDER THE DIRECTION OF THE DEPUTY SECRETARY FOR ENGINEERING TO AUTHORIZE MINOR ALTERATIONS NOT IN CONFLICT WITH THE STANDARD PRACTICES OF THE DEPARTMENT. FORWARD INFORMATION ON ANY PROPOSED CHANGES IN ALIGNMENT TO THE COLUMBIA OFFICE AS SOON AS POSSIBLE.

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.

CONC. FOR STRUCTURES - CLASS 4000(ROADWAY)
 Inclusive of #3 reinforcing steel

2/18/2021 \\gsb-file1\1\CO000\C004.03 Spartanburg Rail Trail Extension Design\PRODUCTION\CAD\CE\PLANS\GCN\General_Construction_Notes.xlsx[PASTE DAT



FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707, S-56	5A

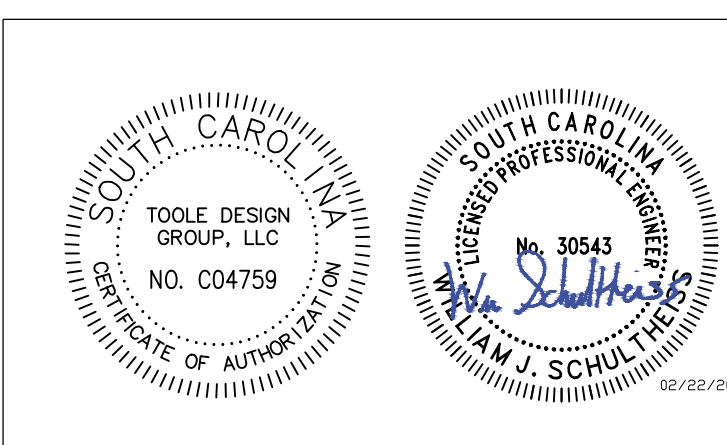
GENERAL NOTES:

- ALL WORK ON THIS PROJECT SHALL BE DONE IN ACCORDANCE WITH THE SPECIAL PROVISIONS, THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2007 EDITION), SCDOT SUPPLEMENTAL TECHNICAL SPECIFICATIONS, AND THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS. ALL REFERENCES TO SPECIFICATIONS ON THE PLANS SHALL REFER TO THE SPECIAL PROVISIONS, UNLESS OTHERWISE NOTED.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE LATEST SET OF THESE PLANS AND SPECIAL PROVISIONS AND ANY REFERENCED SCDOT STANDARDS AT THE TIME OF LETTING.
- BOUNDARY AND TOPOGRAPHICAL INFORMATION FURNISHED BY LAVENDER & SMITH INC. SURVEYOR'S SEPTEMBER 6, 2015
- THE LOCATIONS OF UNDERGROUND AND AERIAL UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY AND SHOULD NOT BE CONSIDERED AS COMPLETE OR ACCURATE. CONTRACTOR SHALL DETERMINE TO HIS/HER OWN SATISFACTION THE LOCATIONS OF ALL EXISTING AND NEW UTILITIES PRIOR TO COMMENCEMENT OF OPERATIONS. CONTRACTOR SHALL BE HELD DIRECTLY RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.
- ALL INVERT ELEVATIONS ARE APPROXIMATE. INVERT ELEVATIONS OF INLETS AND PIPES MAY BE MODIFIED AS DIRECTED BY THE ENGINEER TO MEET THE CONDITIONS ENCOUNTERED DURING INSTALLATION OF DRAINING STRUCTURES. ALL DITCHES AND PIPES SHALL BE CONSTRUCTED ON UNIFORM GRADE BETWEEN INVERT ELEVATIONS AS NOTED ON PLANS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE LOCATION AND LENGTH OF PIPE SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING.
- THE CONTRACTOR SHALL REMOVE ALL SEDIMENT AND DEBRIS FROM ALL PIPES WITHIN THE PROJECT LIMITS UPON COMPLETION OF THE WORK.
- THE CONTRACTOR SHALL GRADE FOR POSITIVE DRAINAGE AT ALL ROADWAY INTERSECTIONS, ENTRANCES, PARKING LOTS, AND YARDS IN CONFORMANCE WITH THE PROPOSED DRAINAGE PATTERNS OF THE PLANS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR THE MAINTENANCE OF TRAFFIC THROUGHOUT THE ENTIRE PERIOD OF CONSTRUCTION BY PROVIDING A REASONABLY SMOOTH AND EVEN SURFACE SATISFACTORY FOR THE USE OF PUBLIC TRAFFIC AND TO PROVIDE ACCESS TO ALL PUBLIC ROADS AND RESIDENTIAL ENTRANCES AT ALL TIMES.
- PROVIDE NECESSARY TRAFFIC CONTROL AND SIGNAGE TO PROTECT THE WORK AND PROVIDE SAFE PASSAGE THROUGH THE WORK AREA, MAINTAINING ACCESS TO ADJACENT DRIVEWAYS AT ALL TIMES IN THE WORKING AREA. COORDINATE WITH PROPERTY OWNERS WHEN THE WORK MAY TEMPORARILY IMPACT ACCESS TO DRIVEWAYS.
- ALL EXISTING ROADWAY SIGNAGE SHALL BE RELOCATED, REUSED, OR REPLACED AS INDICATED ON THE PLANS OR AS DEEMED NECESSARY TO PERFORM THE WORK. IF ROADWAY REMAINS OPEN TO TRAFFIC DURING CONSTRUCTION, ALL SIGNS THAT ARE TO BE RELOCATED SHALL BE ERECTED IN A TEMPORARY MANNER THAT DOES NOT IMPEDE TRAFFIC FLOW. ANY SIGN MESSAGE THAT CONFLICTS WITH THE CONSTRUCTION TRAFFIC CONTROL SIGNAGE SHALL BE COVERED OR TEMPORARILY REMOVED.
- CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ACCESS FOR MAIL SERVICE DURING CONSTRUCTION. IF NECESSARY, CONTRACTOR SHALL COORDINATE ANY TEMPORARY MAILBOX RELOCATIONS WITH UNITED STATES POSTAL SERVICE.
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGES TO THE ROADS AND/OR UTILITIES DUE TO NONCOMPLIANCE OF WEIGHT LIMIT REGULATIONS.
- THE CONTRACTOR SHALL MAKE, CHECK, AND BE RESPONSIBLE FOR ALL MEASUREMENTS AND DIMENSIONS NECESSARY FOR THE PROPER CONSTRUCTION OF ALL WORK. ALL ROAD WIDTH LAYOUT DIMENSIONS SHOWN ARE THE EDGE OF PAVEMENT.
- ALL TIE-INS WITH EXISTING ASPHALT SHALL BE SAWCUT.
- VERIFY ALL FIELD CONDITIONS PRIOR TO CONSTRUCTION AND/OR DEMOLITION AND REPORT ANY DIFFERENCE IN SITE CONDITIONS FROM THE DRAWINGS TO THE ENGINEER IMMEDIATELY.
- ALL DEMOLITION DEBRIS SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS AND SPECIFICATIONS LATEST REVISION.
- KEEP ALL ROADS ADJACENT AND PERPENDICULAR TO THE SITE CLEAN DURING CONSTRUCTION.
- IF AFTER FINAL CONSTRUCTION IS COMPLETED AND THE ENGINEER DETERMINES THAT LOW AREAS OR 'BIRD BATHS' EXIST IN PAVED AREAS, THE CONTRACTOR SHALL CORRECT THEM AT NO EXPENSE TO THE OWNER.
- EXISTING SIGNS AND DRAINAGE STRUCTURES TO BE MAINTAINED UNLESS OTHERWISE NOTED IN THE PLANS.
- THE CONTRACTOR TO ADJUST TO GRADE ALL EXISTING MANHOLES, VALVE BOXES, OR OTHER UTILITIES LOCATED WITHIN THE ASPHALT SHARED USE PATH AND SIDEWALK AREAS. THIS WORK SHALL BE INCIDENTAL TO THE FINAL ASPHALT PAVEMENT ITEM NECESSARY TO COMPLETE THE WORK.

ALL CONSTRUCTION TO BE COMPLETED IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS AND STANDARD SPECIFICATIONS.

REFER TO THE FOLLOWING SCDOT STANDARD DRAWINGS FOR DETAILED ROADWAY INFORMATION:

610-010-00	Lane Closure-Daytime Urban Low Speed
610-015-00	Lane Closure-Nighttime Urban Low Speed
610-450-01, -02, -03	Pavement Marking Application Signalized Intersection
610-515-00	Extended Closure of New Roadway Alignment
625-305-00	Intersection markings
625-310-00	Turn Lanes
625-410-00	Arrows and Onlys
625-425-00	Bike Lane Markings
719-000-01, -02, -03, -04	Drainage General Notes
719-001-01	Drainage Catch Basin Type 1
719-016-01, -02	Drainage Catch Basin Type 16
719-105-01	Drainage Drop Inlet 24x24
720-105-01	Curb and Gutter(Concrete)
720-305-00	Curb and Gutter at Intersections
720-405-00	Driveway with Sidewalk
720-901-01, -02, -03	Pedestrian Ramps General
720-910-01 & -03	Detectable Warning Surface- Wet Set
720-911-01	Detectable Warning Surface- Grouted Paver
720-912-01	Detectable Warning Surface- Asphalt w/ Concrete Anchors
720-919-01	Detectable Warning Surface- Dry Bonded w/ Adhesive and Concrete Anchor
720-951-36	Pedestrian Ramp-Perpendicular
720-953-12	Pedestrian Ramp-Parallel
720-955-41	Pedestrian Refuge
720-971-24	Pedestrian Ramp-Combined Ramp
720-993-31, -32	Pedestrian Ramp-Combined Ramp



TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

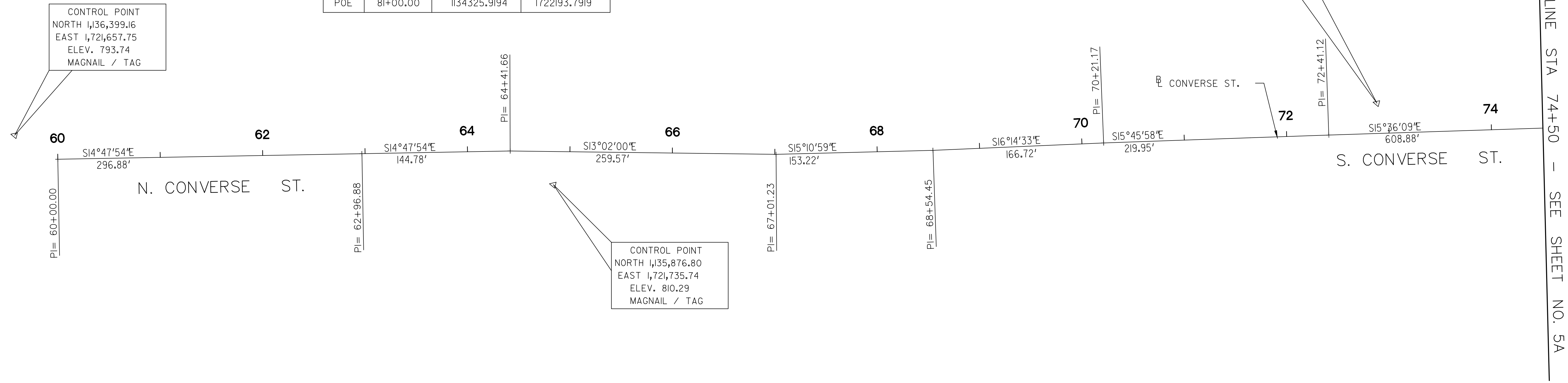
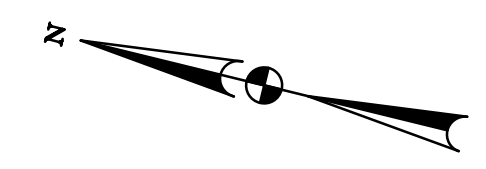
4			
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	SQUAD
R/W		DATE	

**MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC**

GENERAL NOTES

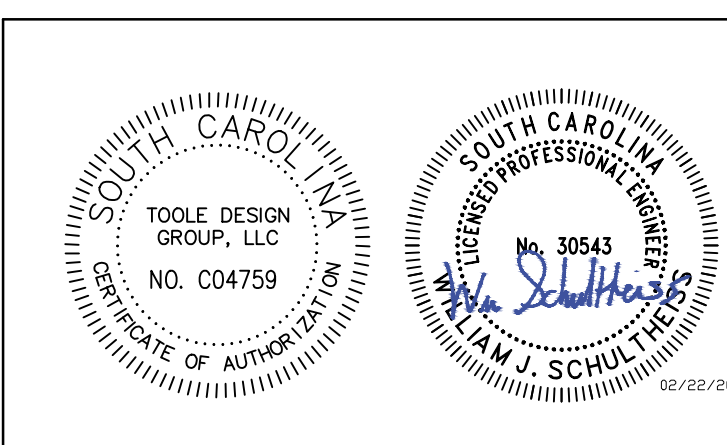
SCALE 1"= NTS SHEET NO. 5A

BASELINE GEOMETRY INFORMATION			
CONVERSE ST.			
POINT	STATION	NORTHING	EASTING
POB	60+00.00	1136352.6563	1721644.9152
PI	62+96.88	1136065.6196	1721720.7448
PI	64+41.66	1135925.6463	1721757.7231
PI	67+01.23	1135672.7602	1721816.2610
PI	68+54.45	1135524.8932	1721856.3889
PI	70+21.17	1135364.8248	1721903.0222
PI	72+41.12	1135153.1530	1721962.7839
POE	81+00.00	1134325.9194	1722193.7919



DESIGN SPEED: 25 MPH (CONVERSE ST.)

HORIZONTAL - NAD 83(2011) SOUTH CAROLINA STATE PLANE
 VERTICAL - NAVD 88
 ALL POINTS ARE GROUND POINTS



TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

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

MARY BLACK
 RAIL TRAIL EXTENSION
 SPARTANBURG, SC

REFERENCE DATA SHEET
 1 OF 2

SCALE 1"= 50' SHEET NO. 5B

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	8250, S-1707, S-56	5C

BASELINE GEOMETRY INFORMATION			
ADVENT ST.			
POINT	STATION	NORTHING	EASTING
POB	30+00.00	1134963.1795	1722962.0157
PC	32+03.28	1134766.7120	1723014.2024
PI	32+09.91	1134760.3026	1723015.9049
PT	32+16.34	1134753.7650	1723014.7923
POE	32+50.00	1134720.5824	1723009.1453

BASELINE GEOMETRY INFORMATION			
E. KENNEDY ST.			
POINT	STATION	NORTHING	EASTING
POB	40+00.00	1134652.6205	1721998.3703
PI	44+83.10	1134768.4006	1722467.3956
POE	51+00.00	1134915.7091	1723066.4473

CONTROL POINT
NORTH 1,134,818.79
EAST 1,722,639.35
ELEV. 781.18
HUBNAIL / TAG

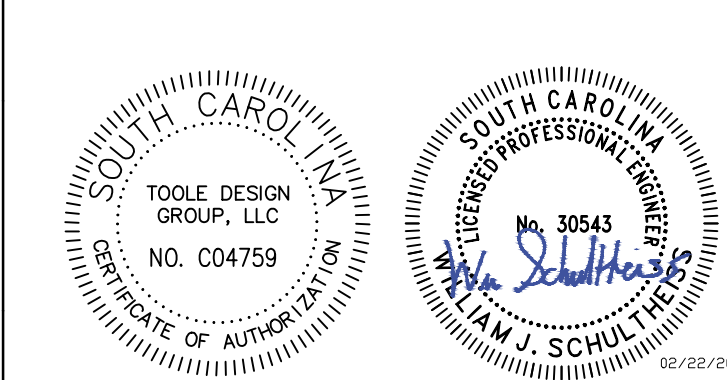
CONTROL POINT
NORTH 1,134,760.60
EAST 1,722,987.42
ELEV. 774.78
HUBNAIL / TAG

CONTROL POINT
NORTH 1,134,705.29
EAST 1,722,121.83
ELEV. 794.97
HUBNAIL / TAG

BASELINE GEOMETRY INFORMATION			
UNION ST,			
POINT	STATION	NORTHING	EASTING
POB	10+00.00	1134929.5645	1722671.2790
PI	11+51.14	1134850.3403	1722799.9897
PC	12+32.83	1134811.3238	1722871.7595
PI	13+00.37	1134779.0666	1722931.0958
PT	13+67.70	1134739.1238	1722985.5558
POE	22+00.00	1134246.8890	1723656.6951

BASELINE GEOMETRY INFORMATION			
E. HENRY ST.			
POINT	STATION	NORTHING	EASTING
POB	80+00.00	1134353.7795	1723277.6399
PC	81+55.17	1134359.7999	1723432.6897
PI	82+25.86	1134362.5429	1723503.3332
PT	82+96.31	1134375.6049	1723572.8127
POE	85+00.00	1134413.2398	1723773.0005

NOTE:
FOR CONVERSE ST. BASELINE GEOMETRY
INFORMATION SEE SHEET NO. 5.
DESIGN SPEED: 25 MPH (CONVERSE ST.)



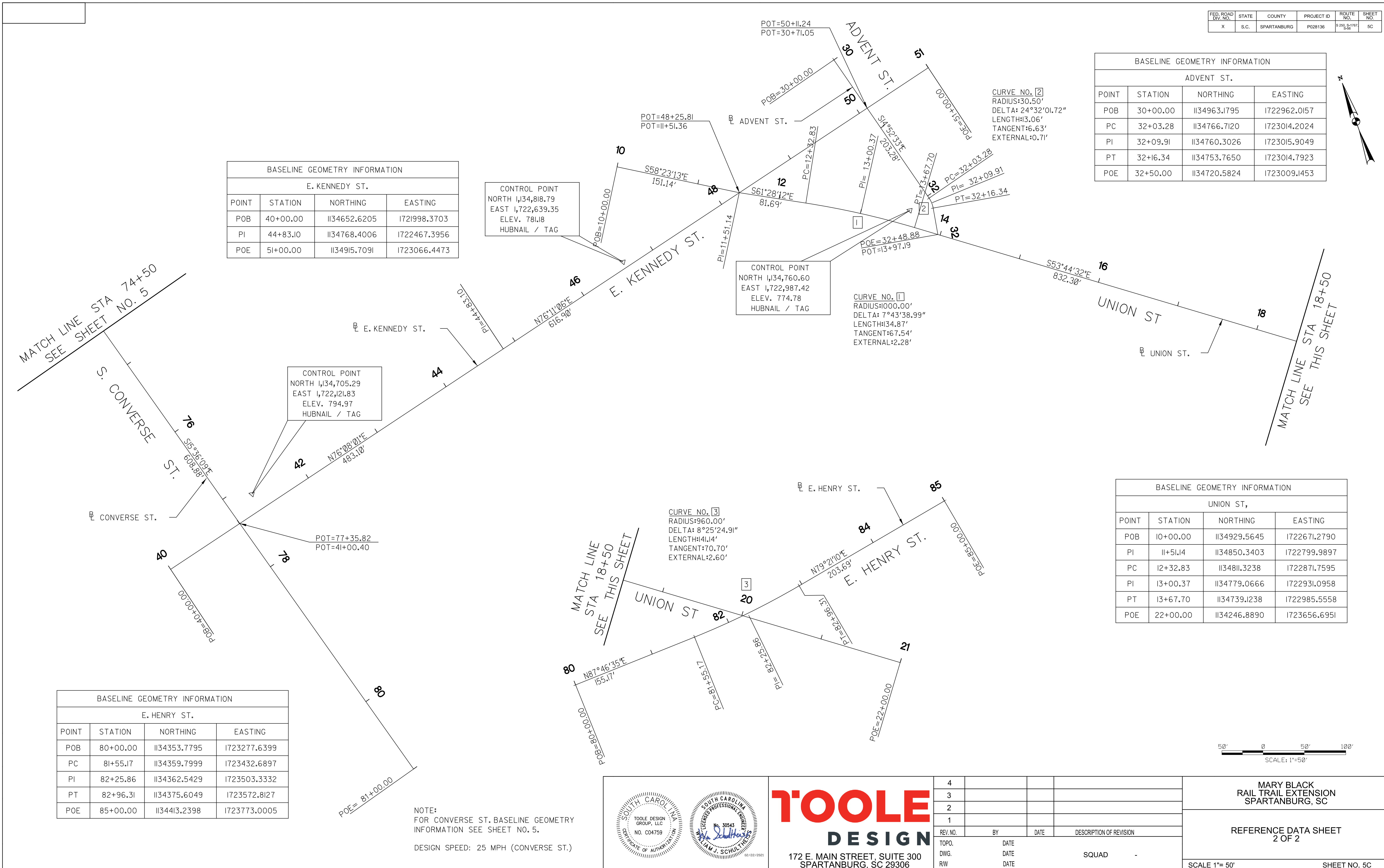
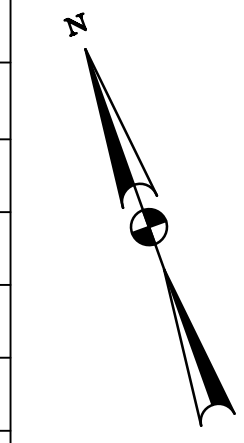
TOOLE DESIGN
172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

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

MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

REFERENCE DATA SHEET
2 OF 2

SCALE 1"= 50' SHEET NO. 5C



FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707, S-56	6

FACE OF CURB DATA											
POINT	STATION	OFFSET	LT/RT	POINT	STATION	OFFSET	LT/RT	POINT	STATION	OFFSET	LT/RT
1	60+38.22	41.70'	LT	14	62+08.45	20.97'	LT	27	60+51.98	46.18'	RT
2	60+38.63	38.31'	LT	15	62+06.26	9.10'	LT	28	60+60.99	26.95'	RT
3	60+63.73	16.32'	LT	16	62+08.81	10.08'	LT	29	60+85.17	15.65'	RT
4	60+69.81	56.13'	LT	17	62+08.75	8.87'	LT	30	60+91.61	21.09'	RT
5	61+29.53	57.17'	LT	18	63+12.67	11.00'	LT	31	60+89.90	33.84'	RT
6	61+13.88	16.89'	LT	19	63+09.61	1.19'	LT	32	61+09.62	34.67'	RT
7	61+34.99	45.14'	LT	20	63+39.80	11.00'	LT	33	60+94.73	20.42'	RT
8	61+35.06	35.64'	LT	21	63+42.62	0.00'		34	61+03.54	11.82'	RT
9	61+59.03	45.42'	LT	22	64+32.52	11.00'	LT	35	61+40.82	10.96'	RT
10	61+59.13	35.92'	LT	23	64+29.08	0.00'		36	61+49.42	19.38'	RT
11	61+59.79	20.42'	LT	24	64+65.25	11.00'	LT	37	61+49.52	30.47'	RT
12	61+59.31	17.95'	LT	25	64+65.19	1.72'	LT	38	61+51.05	33.52'	RT
13	61+63.85	13.02'	LT	26	60+54.85	69.67'	RT				

UTILITY CONTACT

AT&T LEE SADLER, 704-478-7917

SPECTRUM LARRY CAMP, 864-598-0817

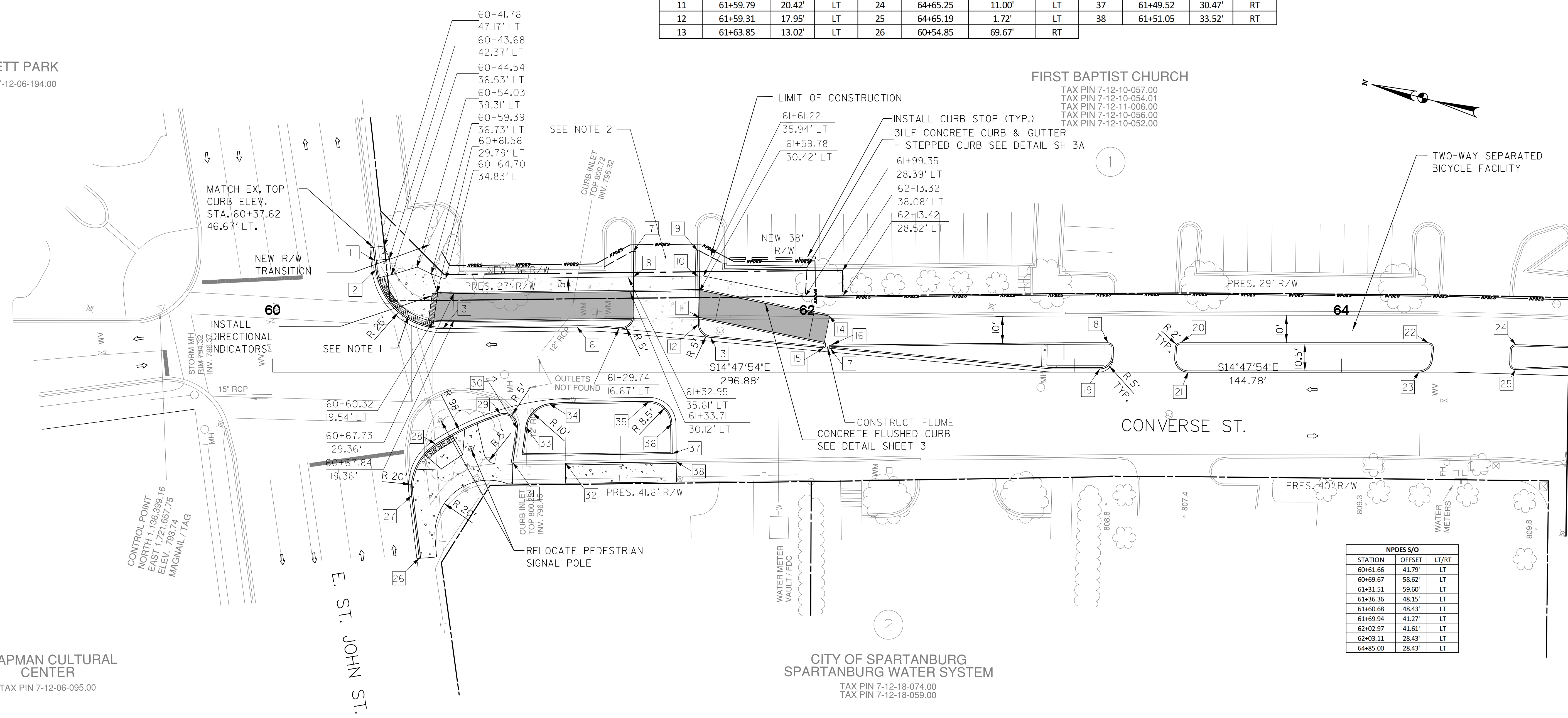
SPARTANBURG WATER & SEWER KEVIN SMITH, 864-580-5649

PIEDMONT NATURAL GAS THOMAS PRESSLEY, 864-775-0744

DUKE ENERGY GARY FOWLER, 864-048-5579

BARNETT PARK
TAX PIN 7-12-06-194.00

FIRST BAPTIST CHURCH
TAX PIN 7-12-10-057.00
TAX PIN 7-12-10-054.01
TAX PIN 7-12-11-006.00
TAX PIN 7-12-10-056.00
TAX PIN 7-12-10-052.00



CHAPMAN CULTURAL CENTER
TAX PIN 7-12-06-095.00

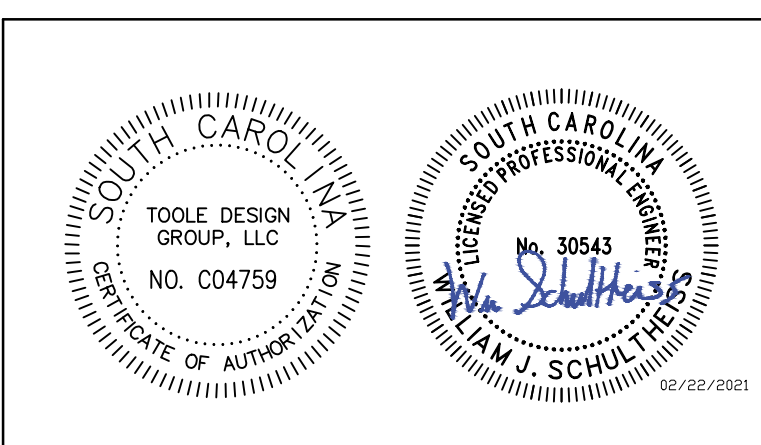
CITY OF SPARTANBURG
SPARTANBURG WATER SYSTEM
TAX PIN 7-12-18-074.00
TAX PIN 7-12-18-059.00

NPDES S/O		
STATION	OFFSET	LT/RT
60+61.66	41.79'	LT
60+69.67	58.62'	LT
61+31.51	59.60'	LT
61+36.36	48.15'	LT
61+60.68	48.43'	LT
61+69.94	41.27'	LT
62+02.97	41.61'	LT
62+03.11	28.43'	LT
64+85.00	28.43'	LT

- NOTES:
- PEDESTRIAN RAMPS TO BE CONSTRUCTED IN ACCORDANCE WITH SCDOT STD. DWG. 720-951-II UNLESS OTHERWISE NOTED. INSTALL DETECTABLE WARNING MATERIAL AS PER STD. DWG. 720-910-01.
 - DRIVEWAY TO BE CONSTRUCTED IN ACCORDANCE WITH SCDOT STD. DWG. 720-305-00.
 - SEE SHEET D8 FOR DRAINAGE SCHEDULE.

- LEGEND
- ASPHALT PAVEMENT
 - CONCRETE SIDEWALK
 - DIRECTION OF TRAVEL

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEET



TOOLE DESIGN
172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

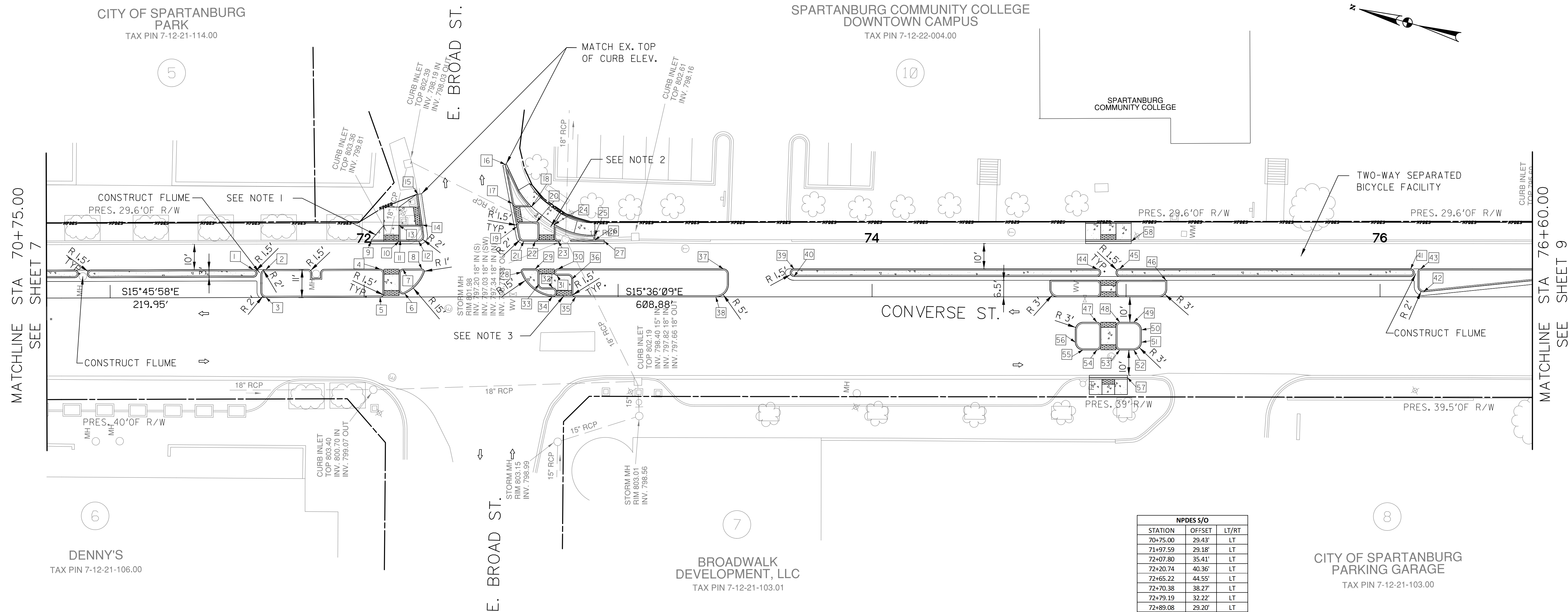
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
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MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

ROADWAY PLAN SHEET
1 OF 7

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707, S-56	8

FACE OF CURB DATA															
POINT	STATION	OFFSET	LT/RT	POINT	STATION	OFFSET	LT/RT	POINT	STATION	OFFSET	LT/RT	POINT	STATION	OFFSET	LT/RT
1	71+56.35	11.00'	LT	18	72+66.03	35.48'	LT	35	72+83.25	0.00'	LT	52	75+03.02	20.86'	RT
2	71+61.35	11.00'	LT	19	72+60.22	27.69'	LT	36	72+81.77	7.00'	LT	53	74+97.52	20.86'	RT
3	71+61.35	0.00'	LT	20	72+67.95	29.49'	LT	37	73+41.45	11.00'	LT	54	74+88.52	20.86'	RT
4	72+06.30	11.00'	LT	21	72+62.95	21.90'	LT	38	73+38.45	0.00'	LT	55	74+83.02	20.86'	RT
5	72+06.30	0.00'	LT	22	72+67.43	21.90'	LT	39	73+69.25	11.00'	LT	56	74+80.02	18.49'	RT
6	72+15.93	1.38'	LT	23	72+76.43	21.90'	LT	40	73+69.25	8.00'	LT	57	75+00.52	32.78'	RT
7	72+15.30	11.00'	LT	24	72+74.95	28.51'	LT	41	76+12.05	11.00'	LT	58	75+02.02	21.87'	LT
8	72+22.72	11.00'	LT	25	72+90.88	24.21'	LT	42	76+17.15	2.00'	LT				
9	72+02.80	21.91'	LT	26	72+90.87	22.40'	LT	43	76+15.95	11.00'	LT				
10	72+13.80	21.90'	LT	27	72+94.57	21.90'	LT	44	74+88.62	11.00'	LT				
11	72+14.30	22.41'	LT	28	72+61.90	9.64'	LT	45	74+97.42	11.00'	LT				
12	72+21.53	21.91'	LT	29	72+67.40	11.00'	LT	46	75+15.72	6.50'	LT				
13	72+13.80	28.24'	LT	30	72+76.40	11.00'	LT	47	74+88.52	10.00'	RT				
14	72+22.93	28.31'	LT	31	72+75.89	8.50'	LT	48	74+97.52	10.00'	RT				
15	72+21.24	40.43'	LT	32	72+74.26	3.50'	LT	49	75+03.02	10.00'	RT				
16	72+55.67	52.16'	LT	33	72+68.88	5.00'	LT	50	75+06.02	13.00'	RT				
17	72+58.54	36.69'	LT	34	72+74.06	0.11'	LT	51	75+06.52	17.86'	RT				



NPDES S/O		
STATION	OFFSET	LT/RT
70+75.00	29.43'	LT
71+97.59	29.18'	LT
72+07.80	35.41'	LT
72+20.74	40.36'	LT
72+65.22	44.55'	LT
72+70.38	38.27'	LT
72+79.19	32.22'	LT
72+89.08	29.20'	LT
76+60.00	29.29'	LT

- NOTES:
- PEDESTRIAN RAMPS TO BE CONSTRUCTED IN ACCORDANCE WITH SCDOT STD. DWG. 720-951-36 UNLESS OTHERWISE NOTED. INSTALL DETECTABLE WARNING MATERIAL AS PER STD. DWG. 720-910-01.
 - PEDESTRIAN RAMPS TO BE CONSTRUCTED IN ACCORDANCE WITH SCDOT STD. DWG. 720-971-24 UNLESS OTHERWISE NOTED. INSTALL DETECTABLE WARNING MATERIAL AS PER STD. DWG. 720-910-01.
 - PEDESTRIAN REFUGE CONCRETE ISLANDS TO BE CONSTRUCTED IN ACCORDANCE WITH SCDOT STD. DWG. 720-955-41. INSTALL DETECTABLE WARNING MATERIAL AS PER STD. DWG. 720-910-01.

LEGEND

- ASPHALT PAVEMENT
- CONCRETE SIDEWALK
- DIRECTION OF TRAVEL

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEET

TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
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MARY BLACK
 RAIL TRAIL EXTENSION
 SPARTANBURG, SC

ROADWAY PLAN SHEET
 3 OF 7

SCALE 1"= 20' SHEET NO. 8



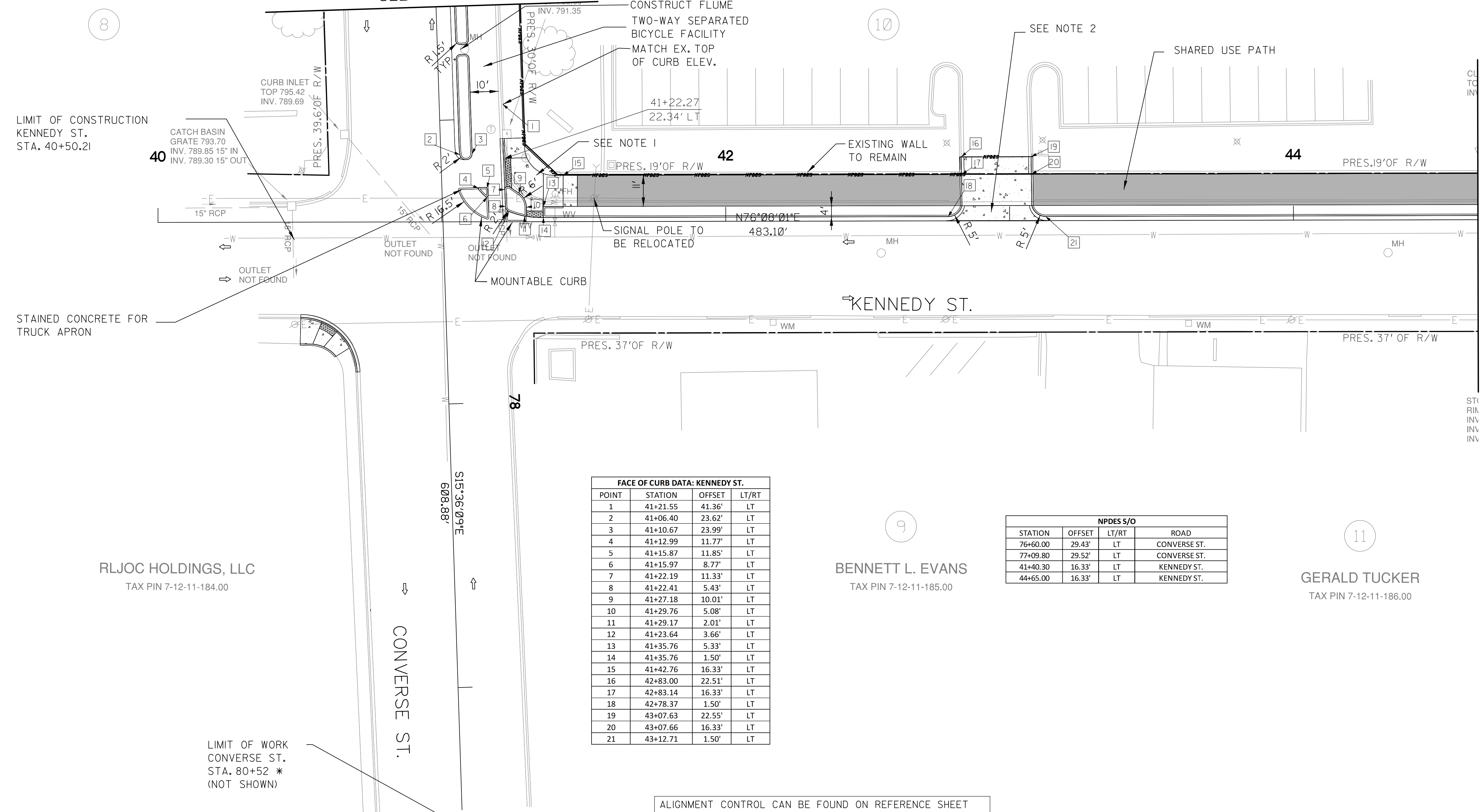


CITY OF SPARTANBURG
PARKING GARAGE
TAX PIN 7-12-21-103.00

SPARTANBURG COMMUNITY COLLEGE
DOWNTOWN CAMPUS
TAX PIN 7-12-22-004.00

MATCHLINE STA 76+60.00
SEE SHEET 8

MATCHLINE STA 44+65.00
SEE SHEET 10



FACE OF CURB DATA: KENNEDY ST.

POINT	STATION	OFFSET	LT/RT
1	41+21.55	41.36'	LT
2	41+06.40	23.62'	LT
3	41+10.67	23.99'	LT
4	41+12.99	11.77'	LT
5	41+15.87	11.85'	LT
6	41+15.97	8.77'	LT
7	41+22.19	11.33'	LT
8	41+22.41	5.43'	LT
9	41+27.18	10.01'	LT
10	41+29.76	5.08'	LT
11	41+29.17	2.01'	LT
12	41+23.64	3.66'	LT
13	41+35.76	5.33'	LT
14	41+35.76	1.50'	LT
15	41+42.76	16.33'	LT
16	42+83.00	22.51'	LT
17	42+83.14	16.33'	LT
18	42+78.37	1.50'	LT
19	43+07.63	22.55'	LT
20	43+07.66	16.33'	LT
21	43+12.71	1.50'	LT

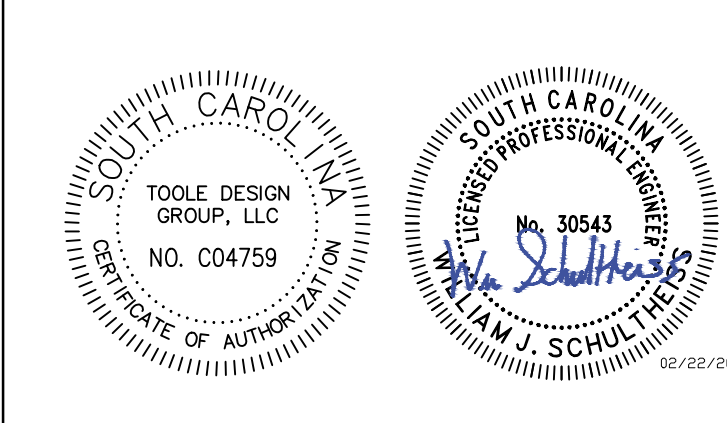
NPDES S/O

STATION	OFFSET	LT/RT	ROAD
76+60.00	29.43'	LT	CONVERSE ST.
77+09.80	29.52'	LT	CONVERSE ST.
41+40.30	16.33'	LT	KENNEDY ST.
44+65.00	16.33'	LT	KENNEDY ST.

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEET

- LEGEND**
- ASPHALT PAVEMENT
 - CONCRETE SIDEWALK
 - DIRECTION OF TRAVEL

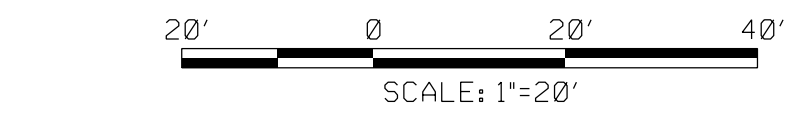
- NOTES:**
1. PEDESTRIAN RAMPS TO BE CONSTRUCTED IN ACCORDANCE WITH SCDOT STD. DWG. 720-971-24 UNLESS OTHERWISE NOTED. INSTALL DETECTABLE WARNING MATERIAL AS PER STD. DWG. 720-910-01.
 2. DRIVEWAY TO BE CONSTRUCTED IN ACCORDANCE WITH SCDOT STD. DWG. 720-305-00.



TOOLE DESIGN
172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

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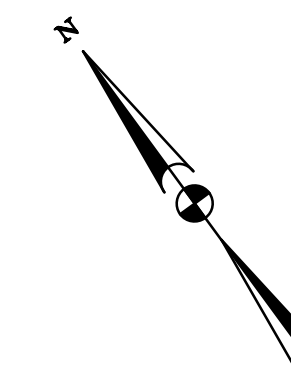
TOPO.	DATE		
DWG.	DATE		
R/W	DATE		



MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

ROADWAY PLAN SHEET
4 OF 7

SCALE 1"= 20' SHEET NO. 9

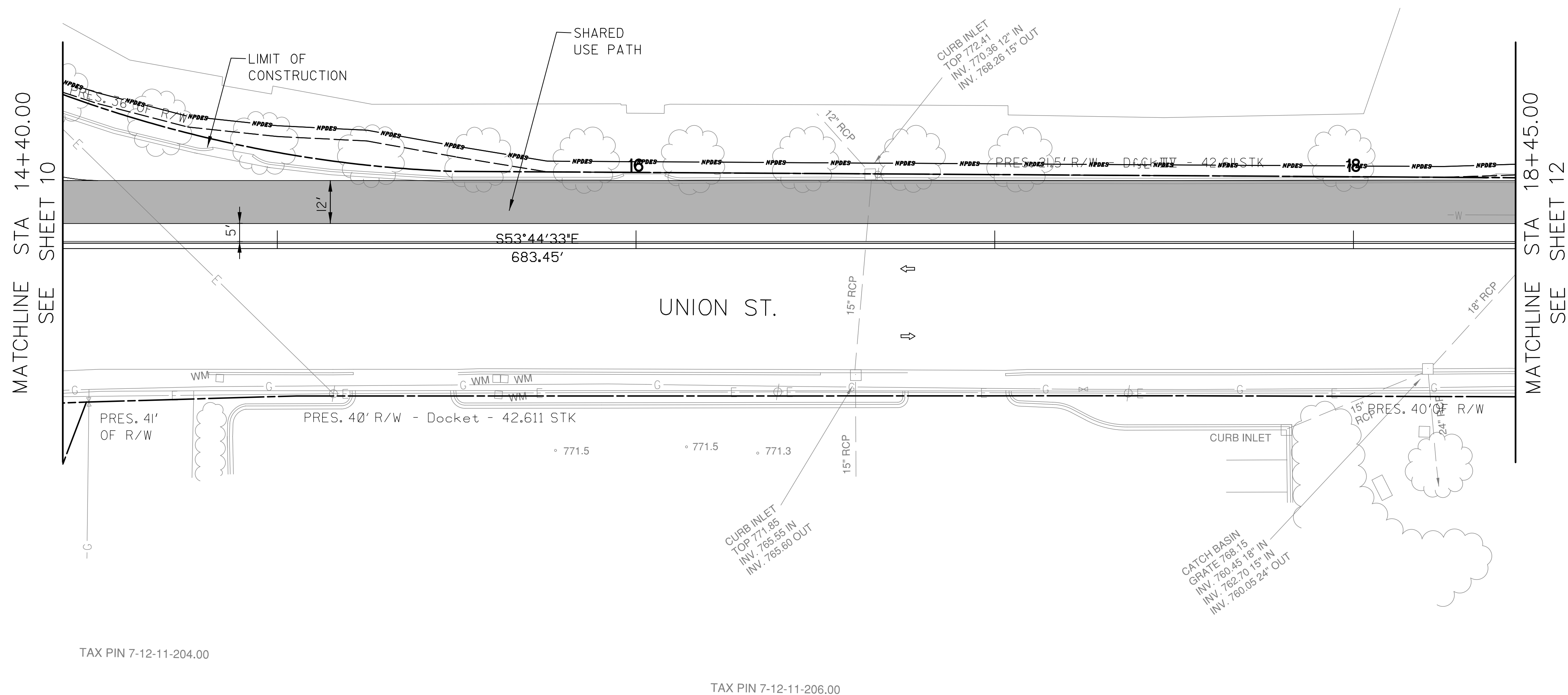


COL. POINT
FH 113A-760.60
ST 1722-987.42
LEV. 774.78
HUBMAIL / TAG

WHITE HORSE INVESTMENTS, LLC

TAX PIN 7-12-11-215.02
TAX PIN 7-12-11-214.00

18



TAX PIN 7-12-11-204.00

TAX PIN 7-12-11-206.00

NPDES S/O			
STATION	OFFSET	LT/RT	ROAD
14+40.20	47.08'	LT	UNION ST.
14+50.00	43.38'	LT	UNION ST.
14+75.00	36.90'	LT	UNION ST.
15+00.00	34.24'	LT	UNION ST.
15+25.00	33.00'	LT	UNION ST.
15+75.21	29.39'	LT	UNION ST.
17+50.21	23.36'	LT	UNION ST.
17+75.21	23.21'	LT	UNION ST.
18+00.21	23.07'	LT	UNION ST.
18+25.21	22.92'	LT	UNION ST.
18+46.63	23.61'	LT	UNION ST.



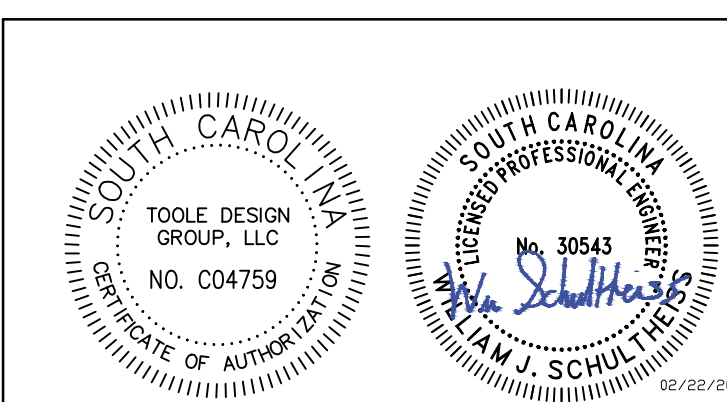
ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEET

LEGEND

- ASPHALT PAVEMENT
- CONCRETE SIDEWALK
- DIRECTION OF TRAVEL

NOTES

1. SEE SHEET DIFOR DRAINAGE STANDARD DRAWINGS AND SCHEDULE.



TOOLE DESIGN
172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

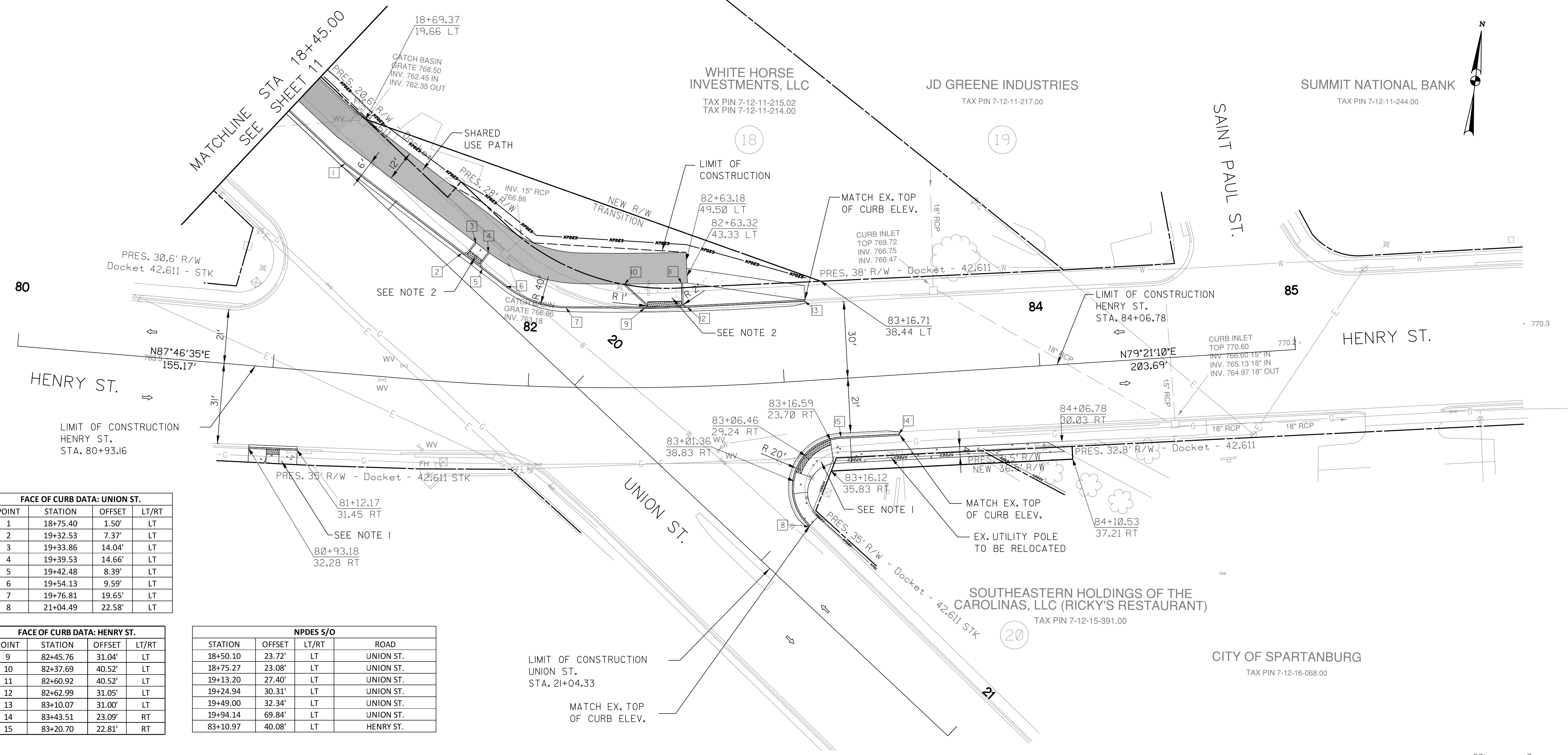
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	SQUAD
R/W		DATE	

MARY BLACK RAIL TRAIL EXTENSION
SPARTANBURG, SC

ROADWAY PLAN SHEET
6 OF 7

SCALE 1"= 20'

SHEET NO. 11



FACE OF CURB DATA: UNION ST.

POINT	STATION	OFFSET	LT/RT
1	18+75.40	1.50'	LT
2	19+32.53	7.37'	LT
3	19+33.86	14.04'	LT
4	19+39.53	14.66'	LT
5	19+42.48	8.39'	LT
6	19+54.13	9.59'	LT
7	19+76.81	19.65'	LT
8	21+04.49	22.58'	LT

FACE OF CURB DATA: HENRY ST.

POINT	STATION	OFFSET	LT/RT
9	82+45.76	31.04'	LT
10	82+37.69	40.52'	LT
11	82+60.92	40.52'	LT
12	82+62.99	31.05'	LT
13	83+10.07	31.00'	LT
14	83+43.51	23.09'	RT
15	83+20.70	22.81'	RT

NPDES S/O

STATION	OFFSET	LT/RT	ROAD
18+50.10	23.72'	LT	UNION ST.
18+75.27	23.08'	LT	UNION ST.
19+13.20	27.40'	LT	UNION ST.
19+24.94	30.31'	LT	UNION ST.
19+49.00	32.34'	LT	UNION ST.
19+94.14	69.84'	LT	UNION ST.
83+10.97	40.08'	LT	HENRY ST.

LEGEND

- ASPHALT PAVEMENT
- CONCRETE SIDEWALK
- DIRECTION OF TRAVEL

NOTES:

- PEDESTRIAN RAMPS TO BE CONSTRUCTED IN ACCORDANCE WITH SCDOT STD. DWG. 720-95I-11 UNLESS OTHERWISE NOTED. INSTALL DETECTABLE WARNING MATERIAL AS PER STD. DWG. 720-910-01.
- PEDESTRIAN RAMPS TO BE CONSTRUCTED IN ACCORDANCE WITH SCDOT STD. DWG. 720-97I-24 UNLESS OTHERWISE NOTED. INSTALL DETECTABLE WARNING MATERIAL AS PER STD. DWG. 720-910-01.

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEET

TOOLE DESIGN

172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

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

MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

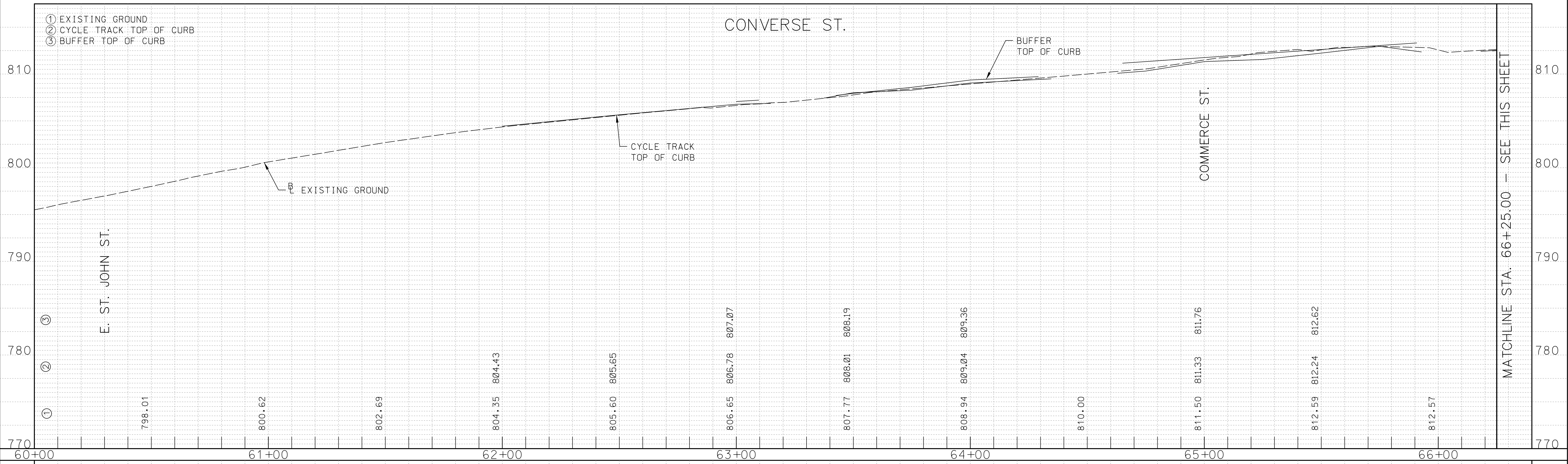
ROADWAY PLAN SHEET
7 OF 7

SCALE 1"= 20' SHEET NO. 12

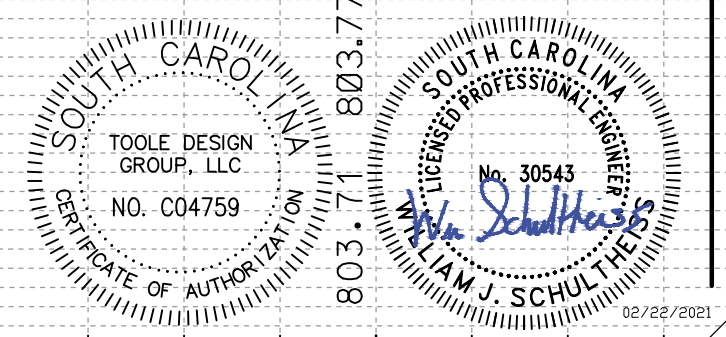
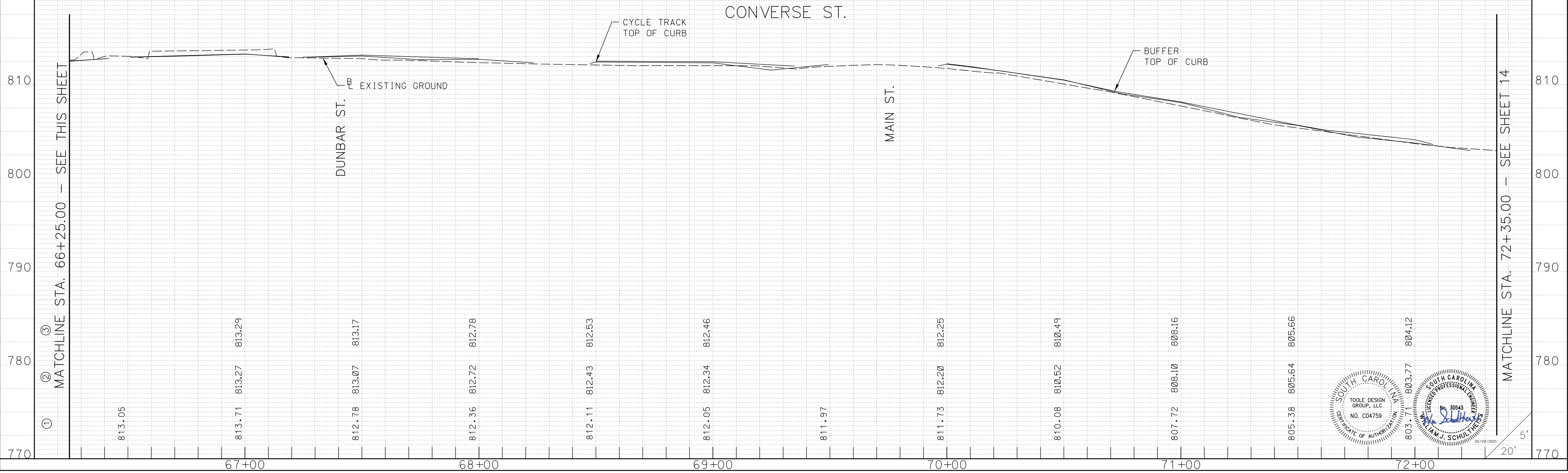


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X	S.C.	SPARTANBURG	P028136	S 250	13

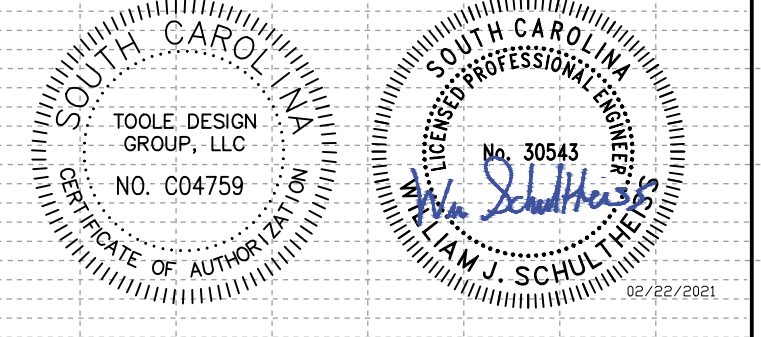
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NO. _____	_____
BY _____	_____
DATE _____	_____
BY _____	_____
DATE _____	_____



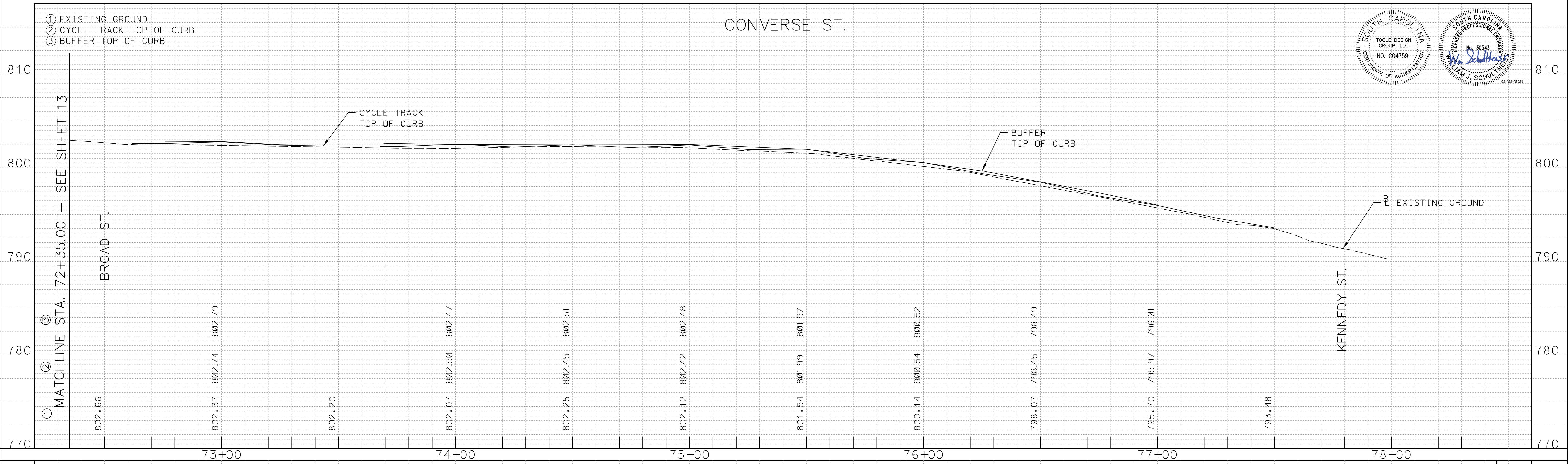
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BY _____	_____
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DATE _____	_____



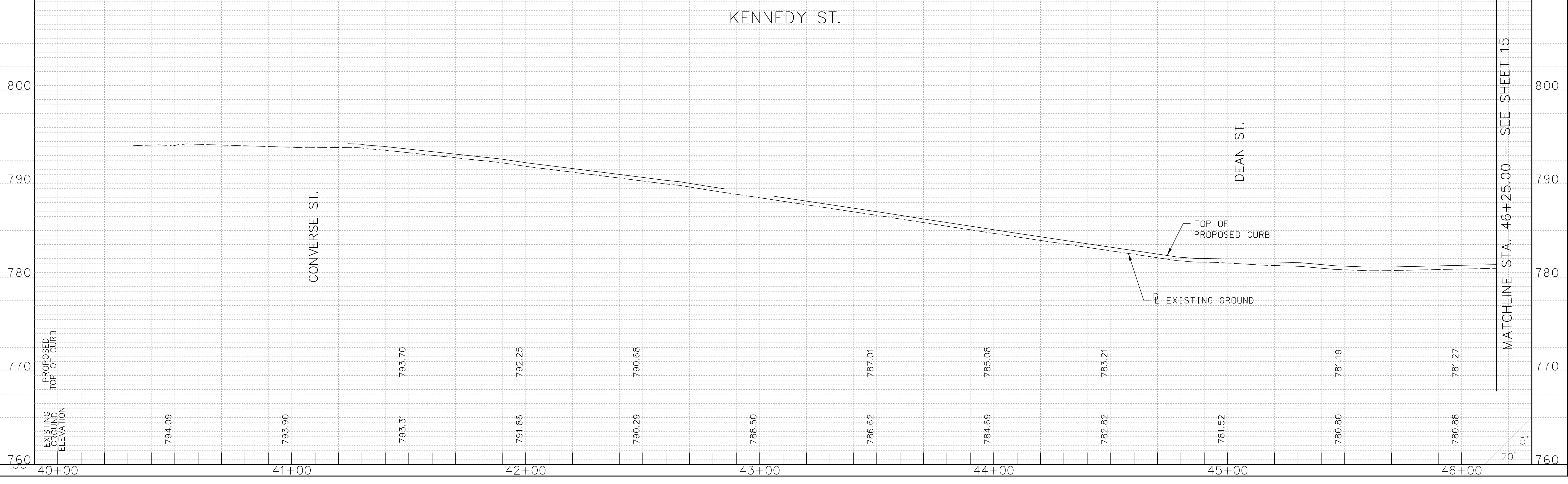
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X	S.C.	SPARTANBURG	P028136	S 250	14



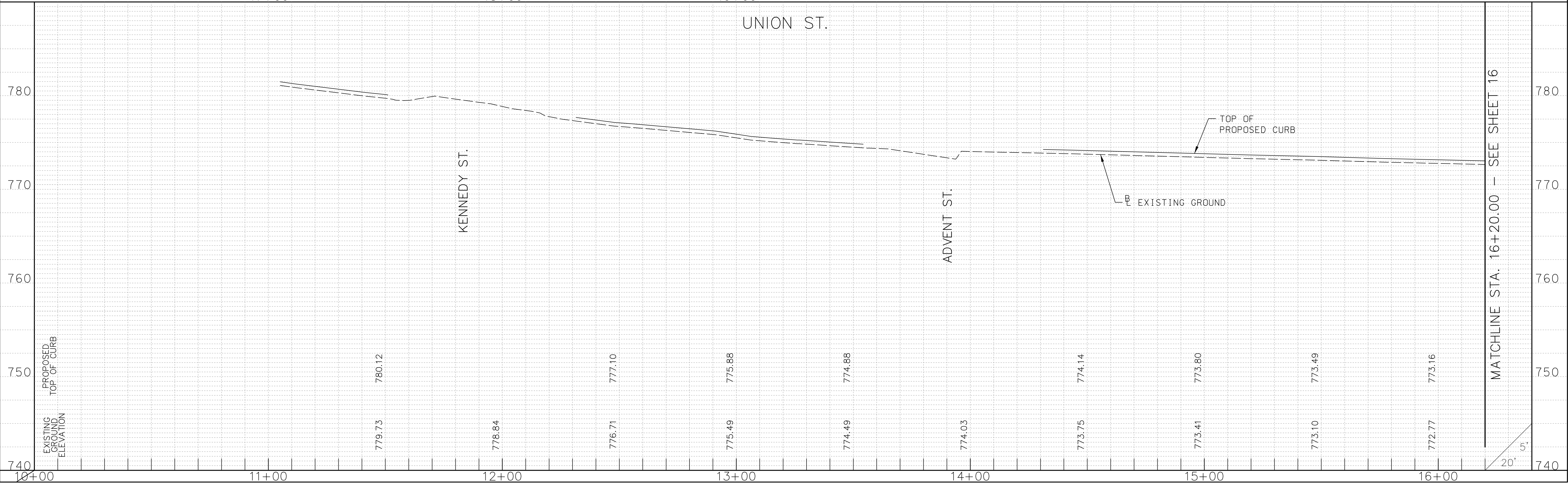
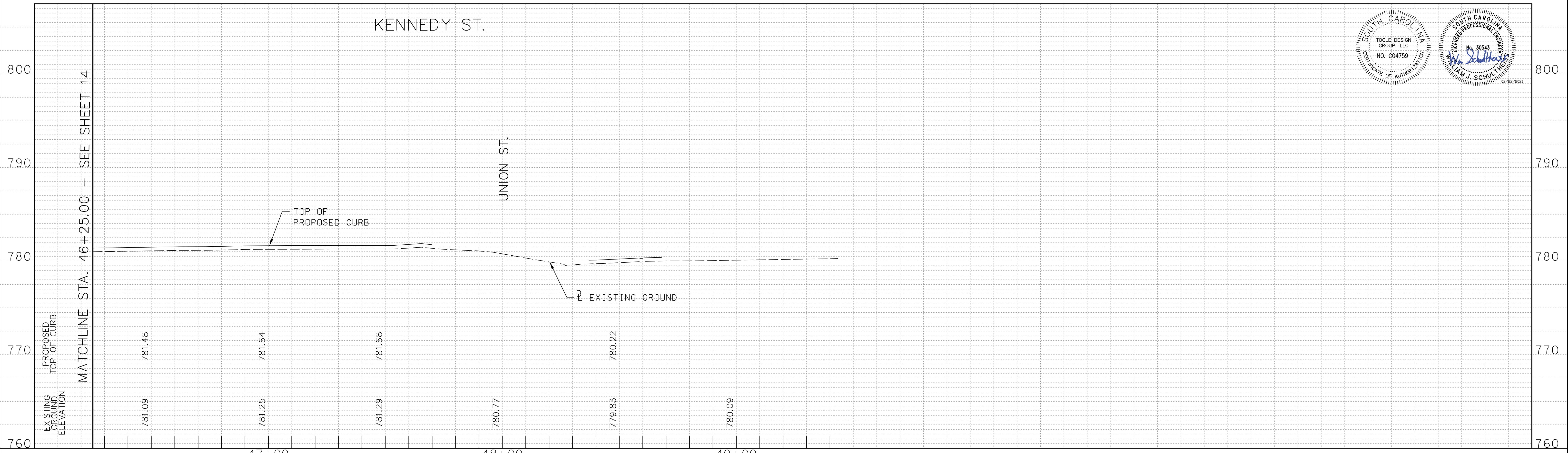
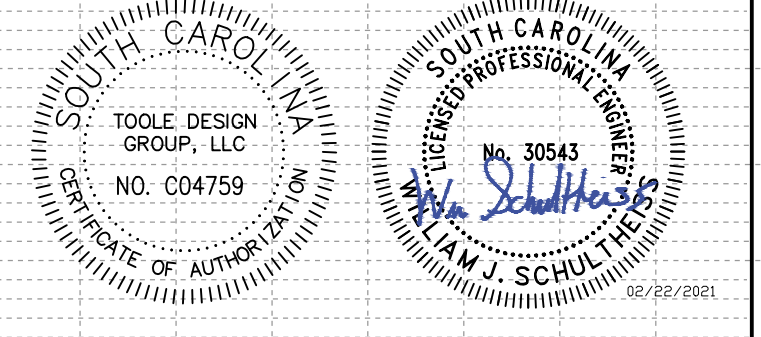
PROFILE	DATE	BY
DESIGNED		
NOTED		
GRADES CHECKED		
BLM'S NOTED		
STRUCTURE NOTATIONS CHECKED		



PROFILE	DATE	BY
DESIGNED		
NOTED		
GRADES CHECKED		
BLM'S NOTED		
STRUCTURE NOTATIONS CHECKED		



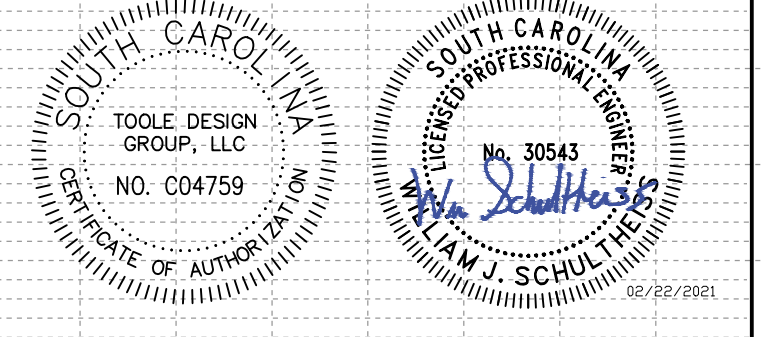
FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028138	S 250	15



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NO. 2	
NO. 3	
NO. 4	
NO. 5	

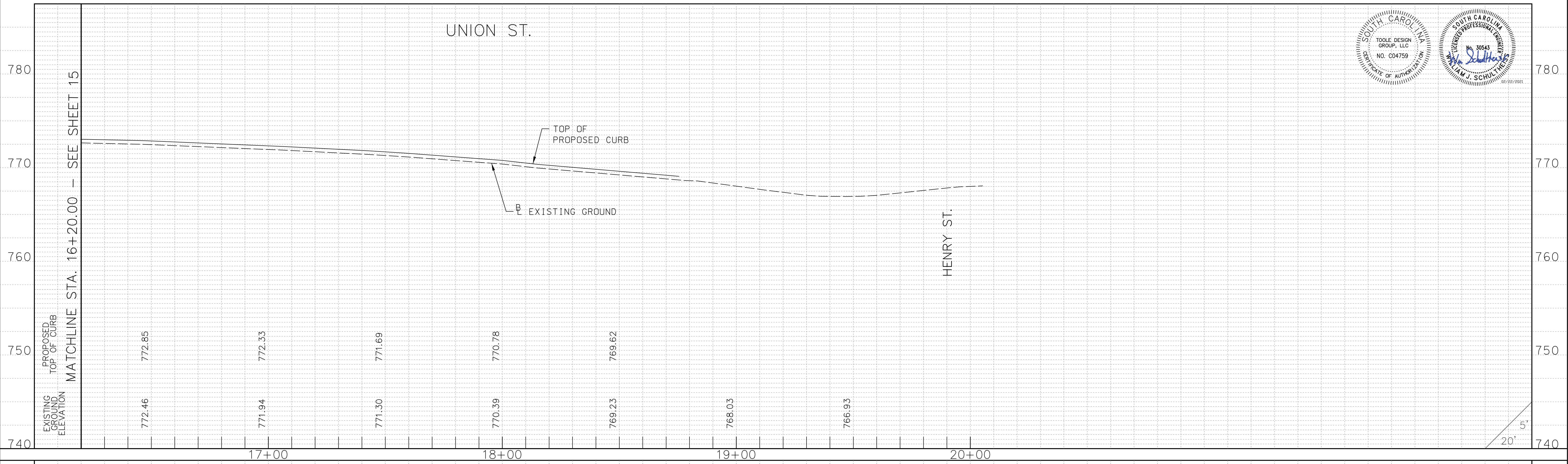
PROFILE	DATE
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250	16



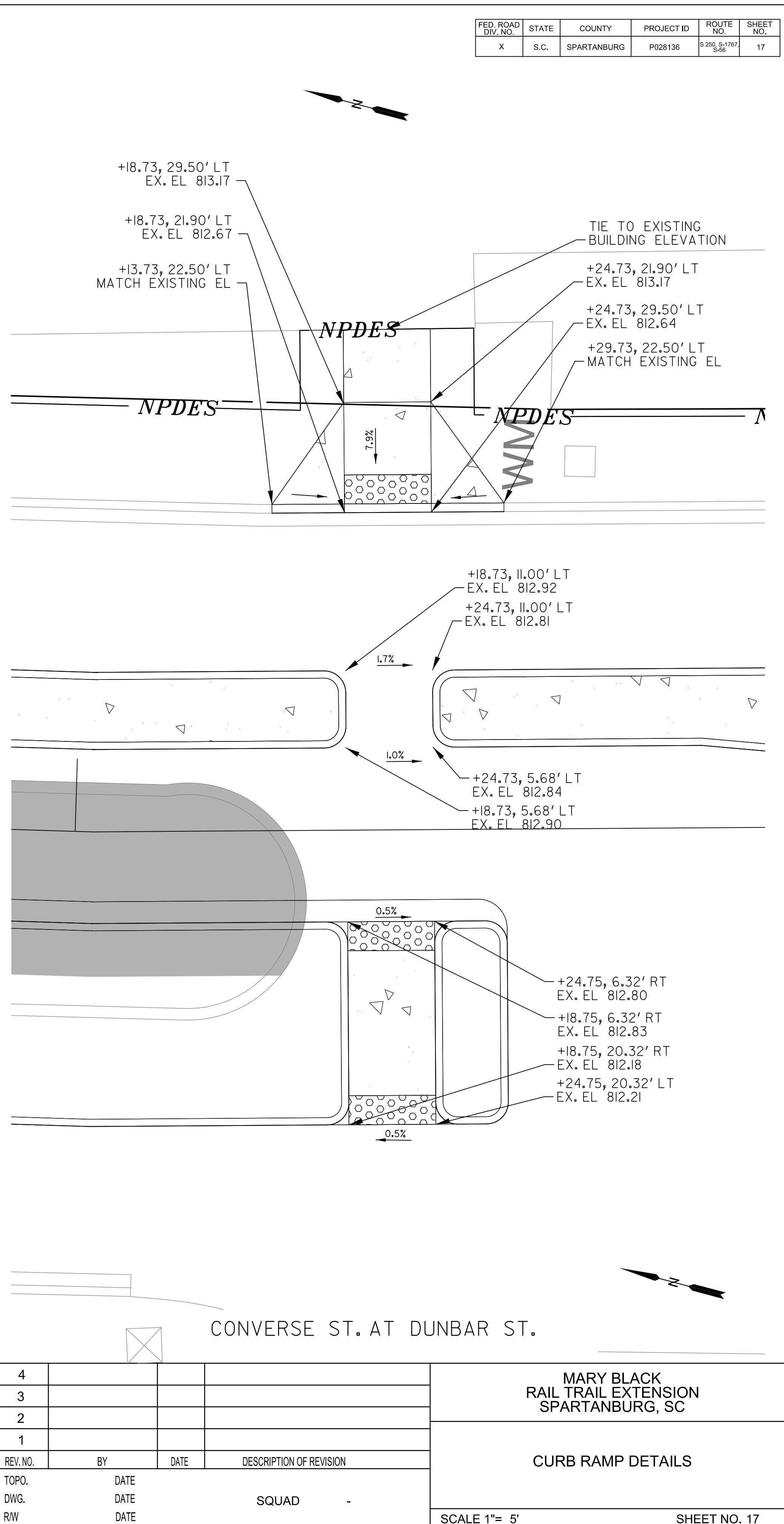
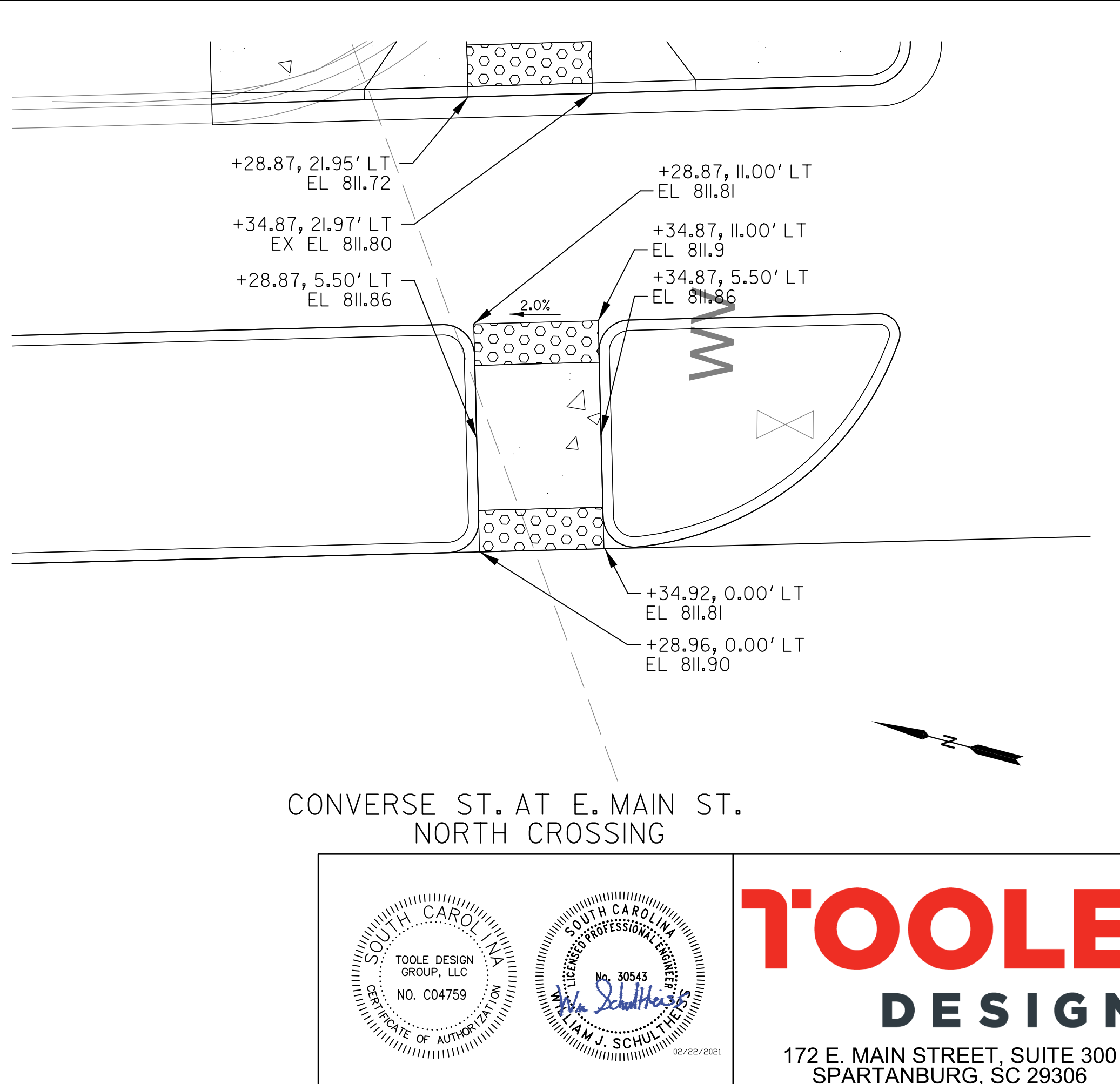
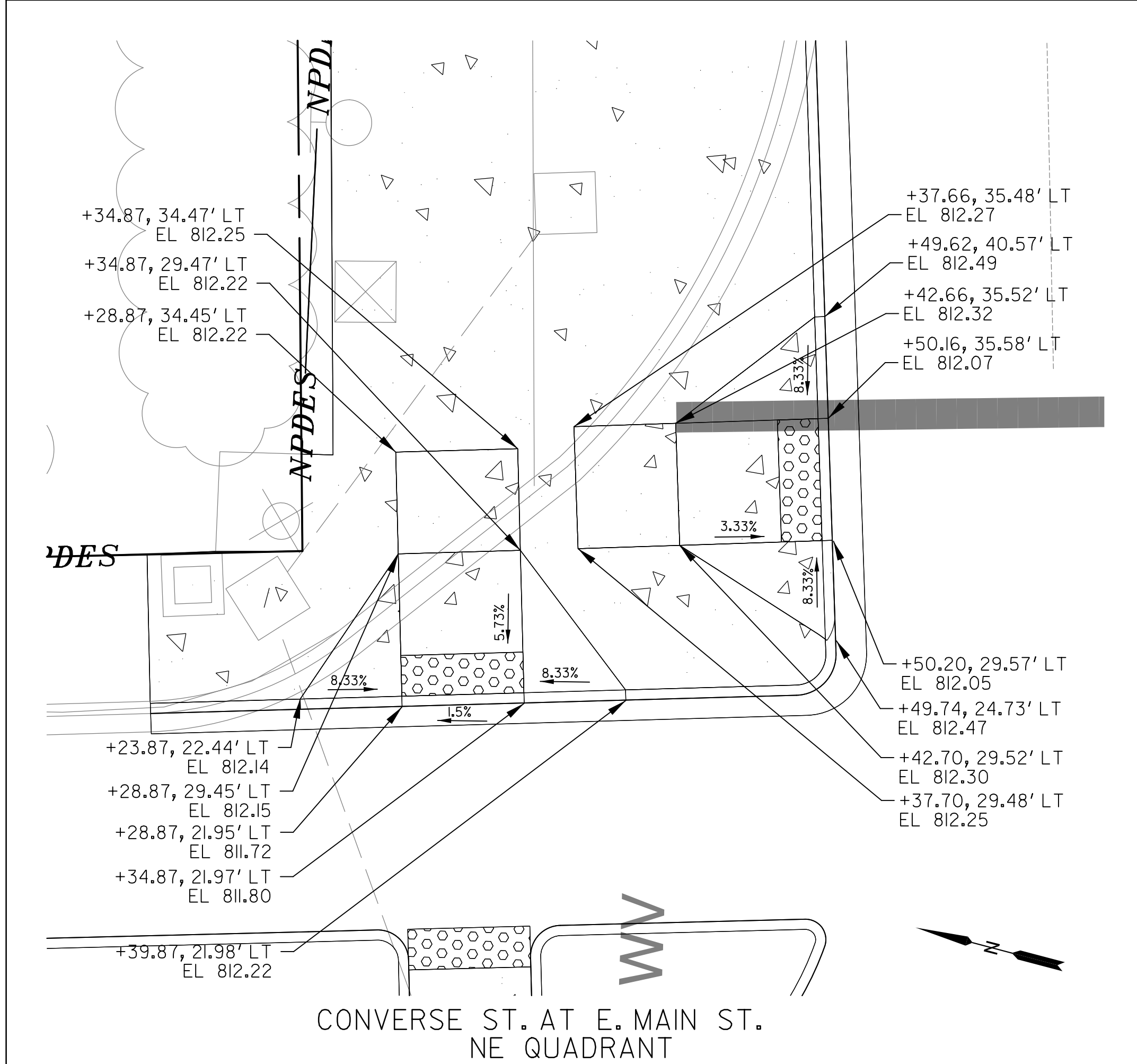
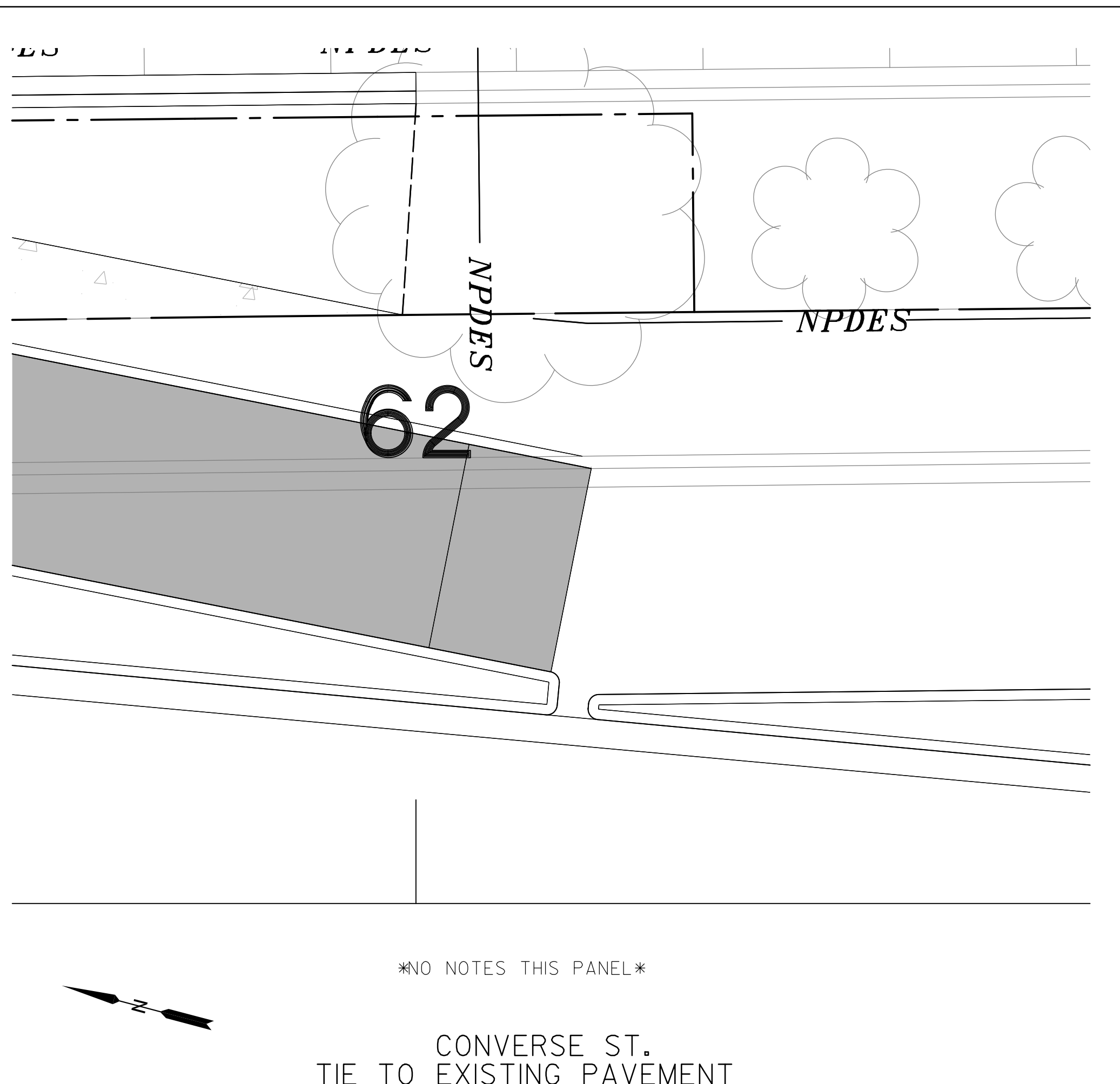
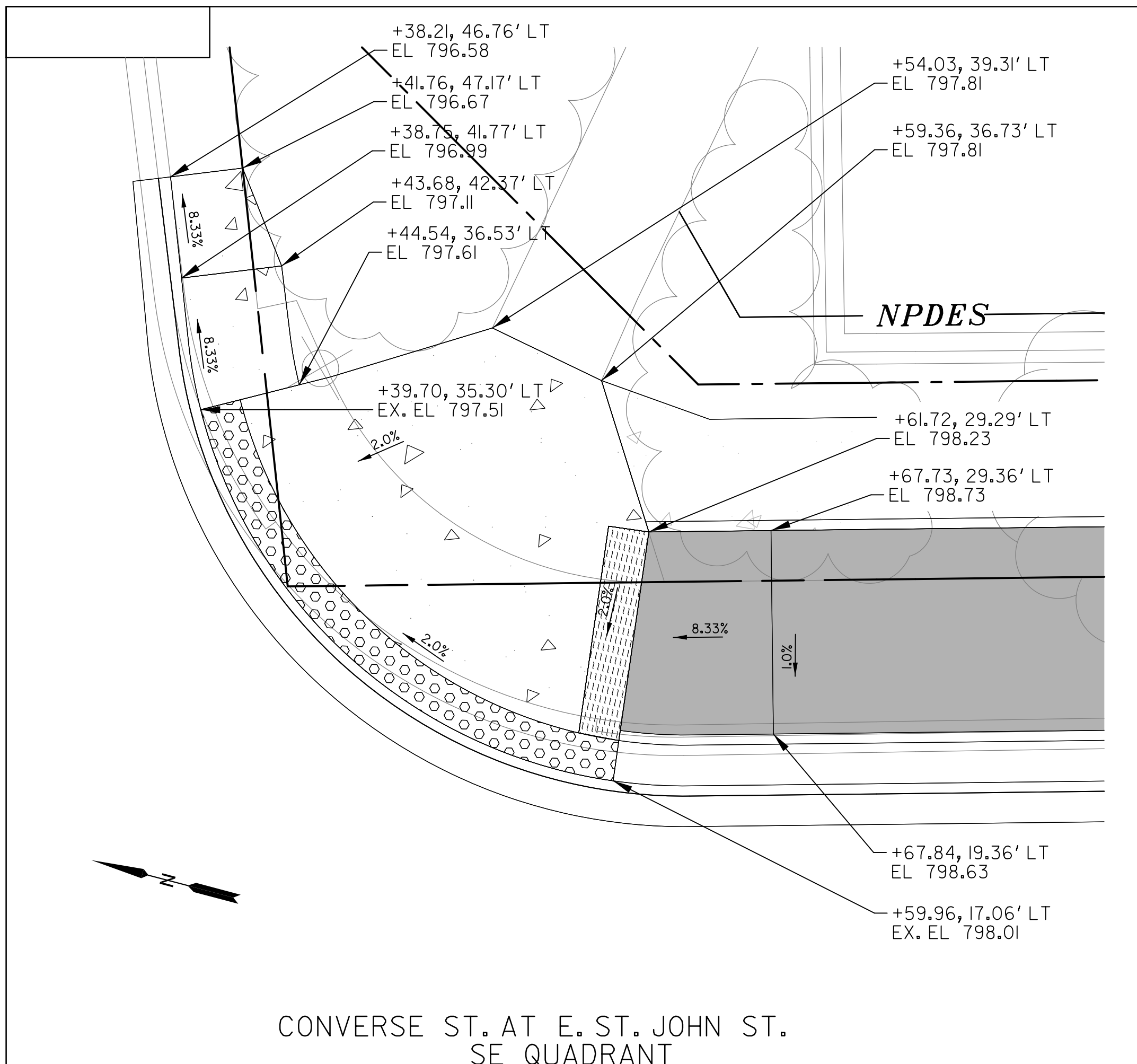
PROFILE	DATE	BY
DESIGNED		
NOTED		
GRADES CHECKED		
STRUCTURE NOTATIONS CHECKED		
DATE		
BY		

PROFILE	DATE	BY
DESIGNED		
NOTED		
GRADES CHECKED		
STRUCTURE NOTATIONS CHECKED		
DATE		
BY		



5'
20'

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	8250, S-1707, S-56	17



TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

TOOLE DESIGN GROUP, LLC
 NO. C04759

WILLIAM J. SCHULTZ
 LICENSED PROFESSIONAL ENGINEER
 No. 30543
 02/22/2021

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

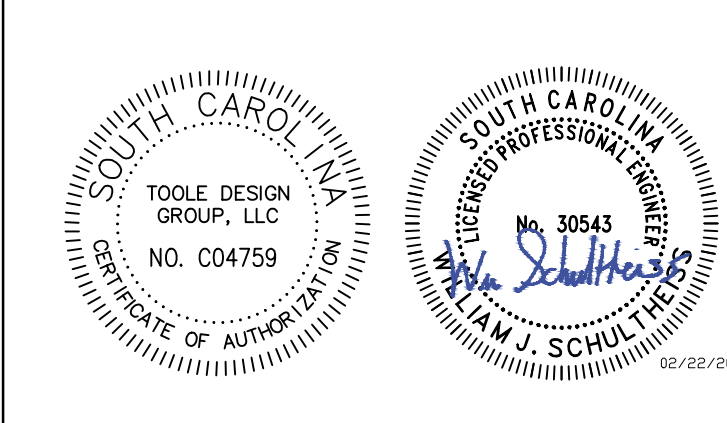
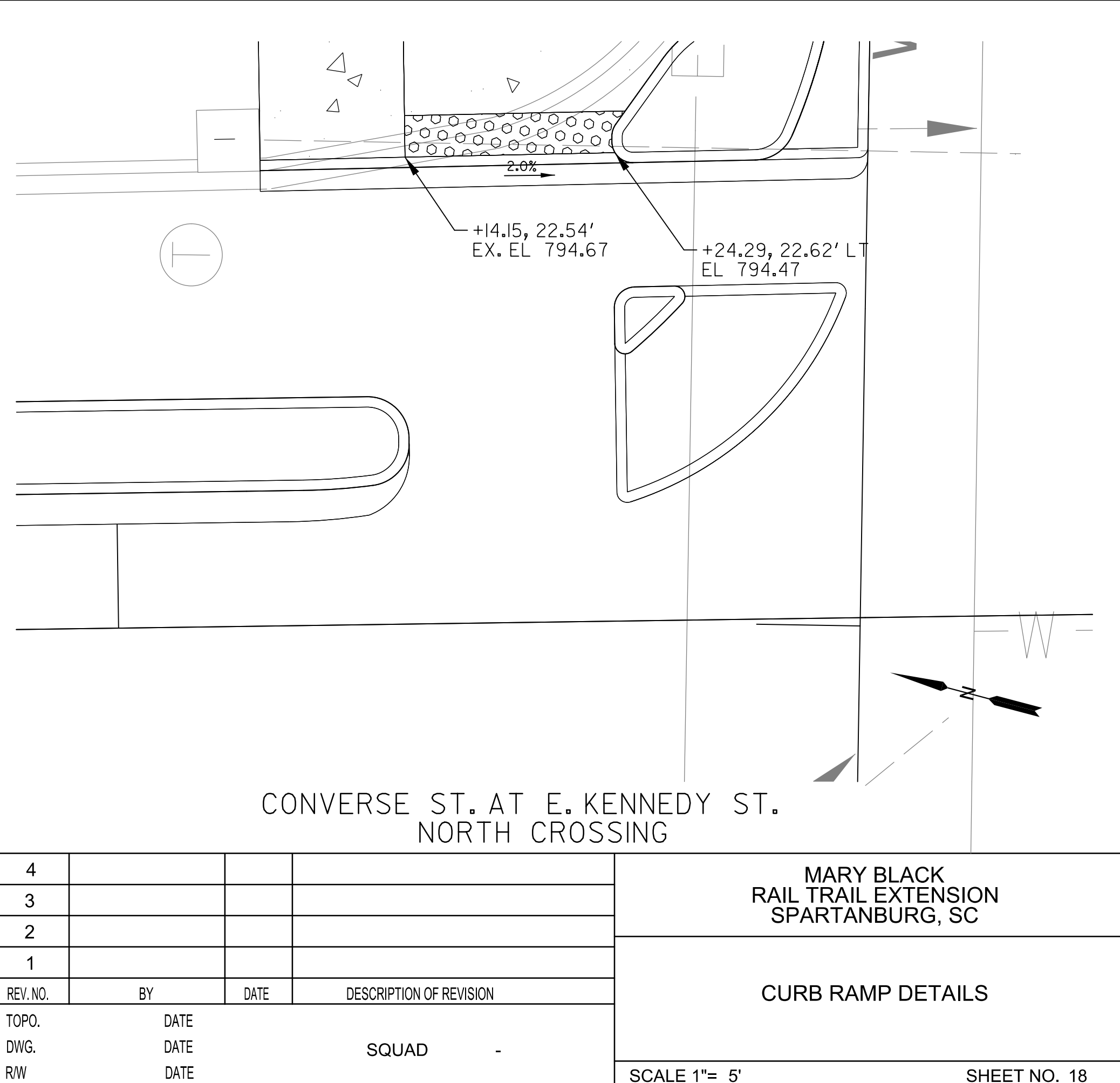
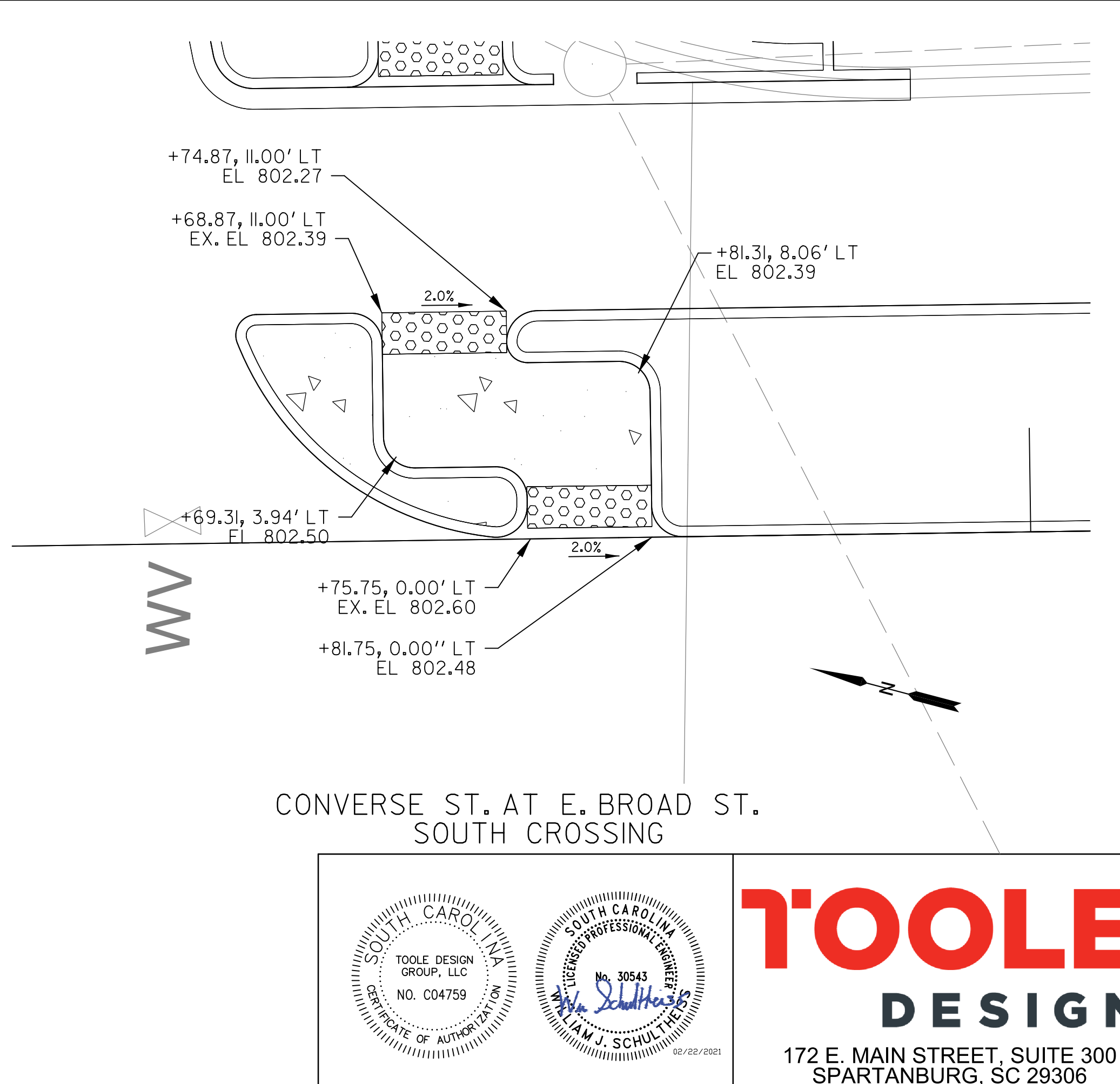
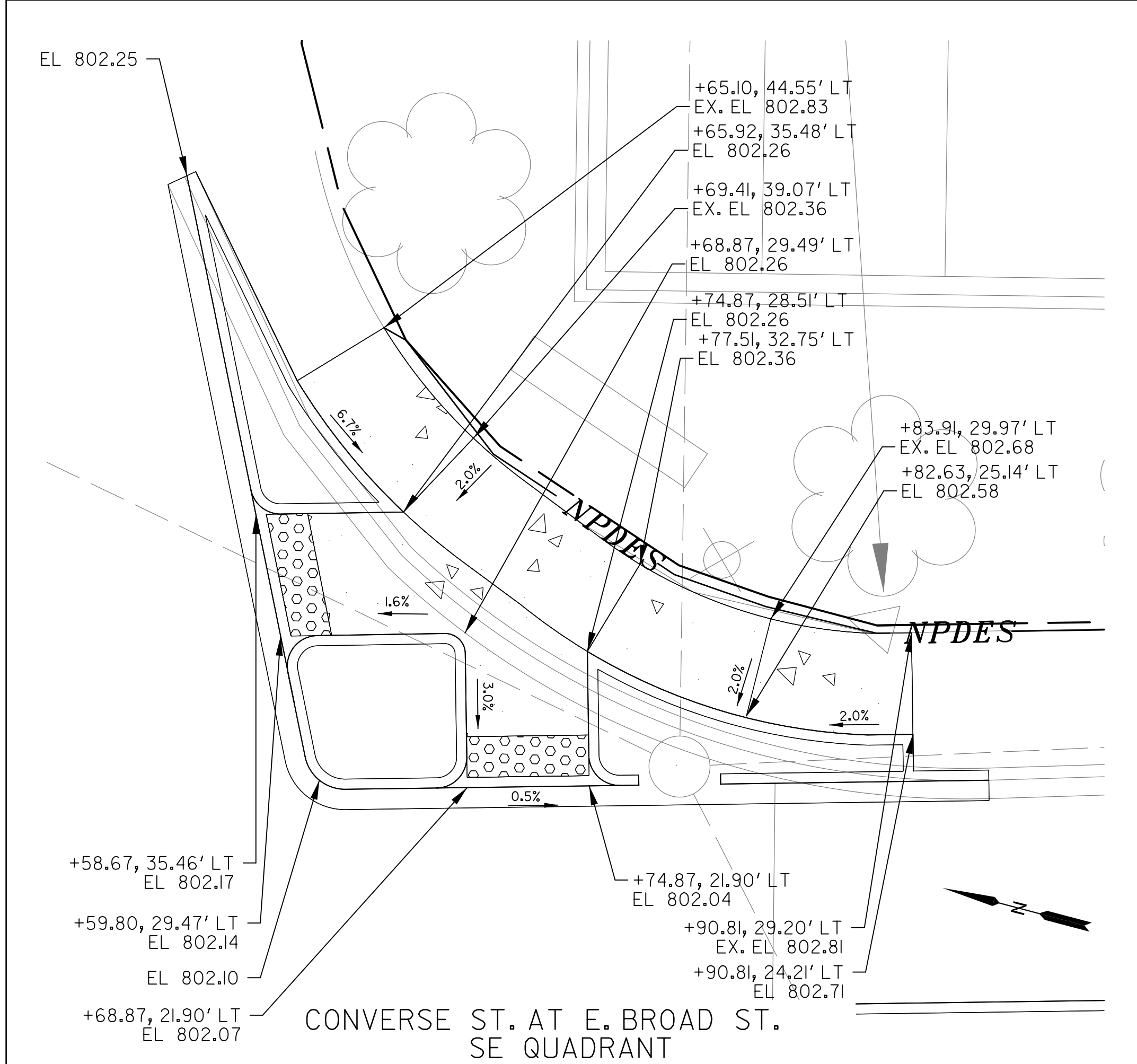
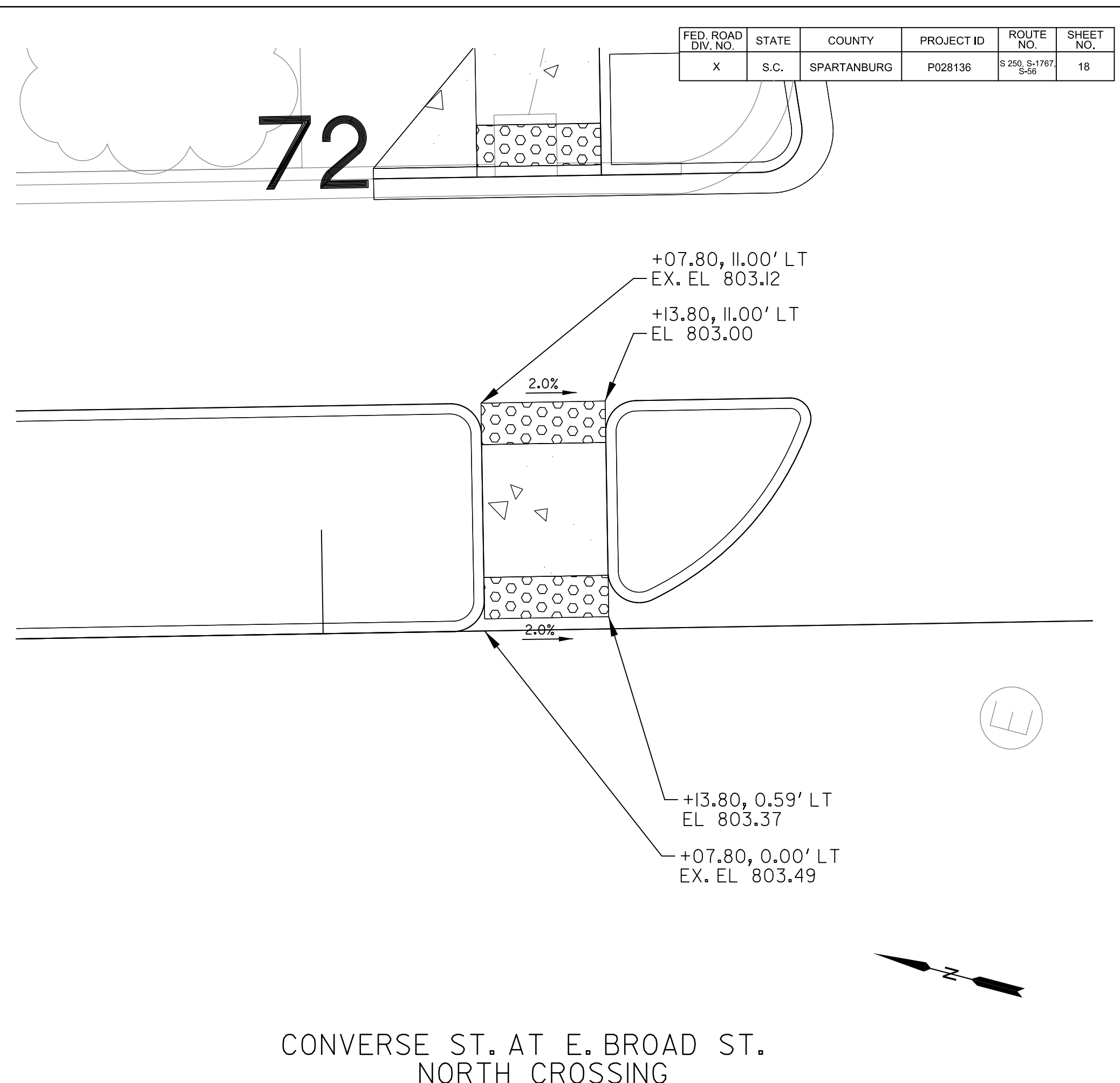
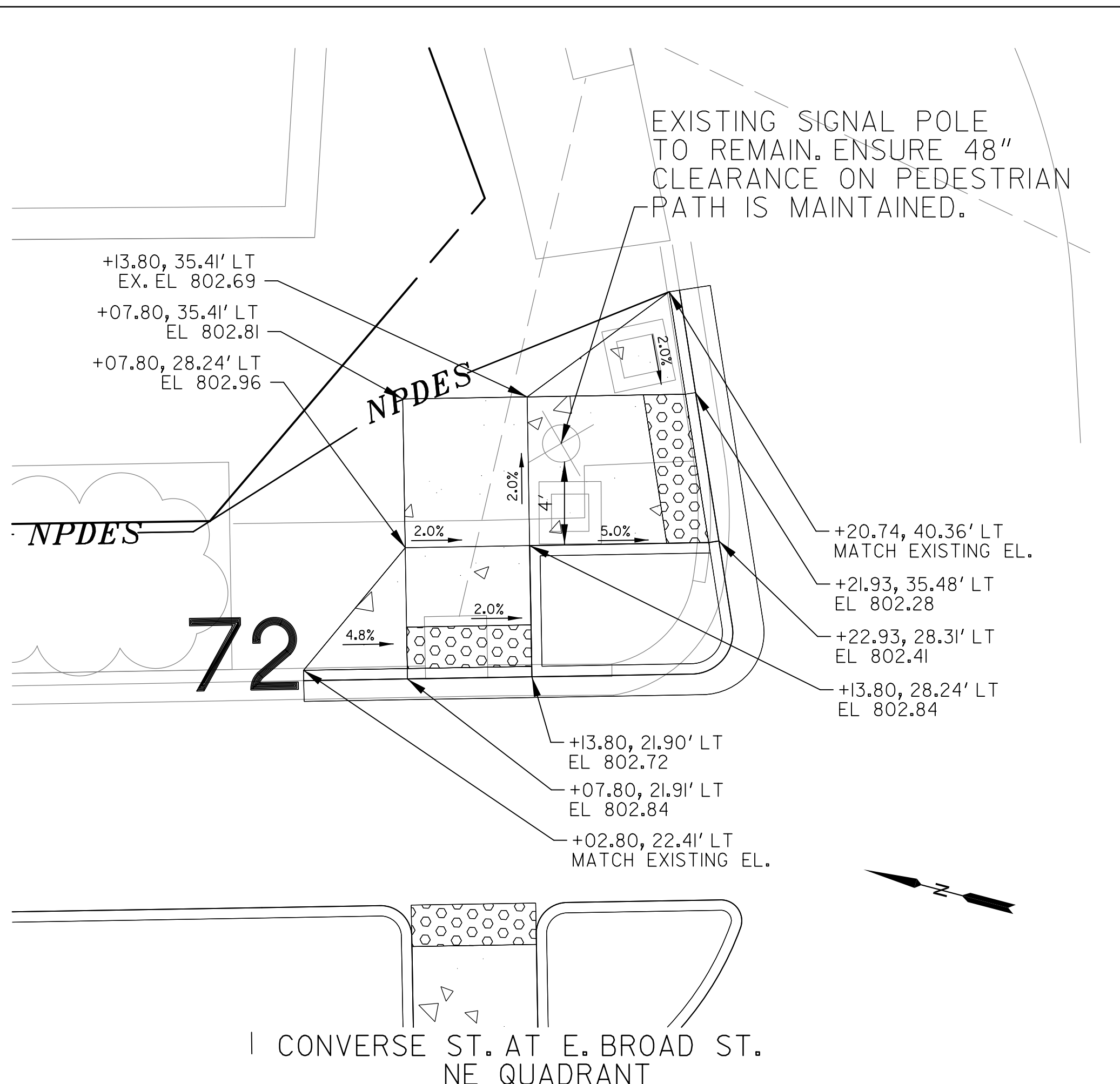
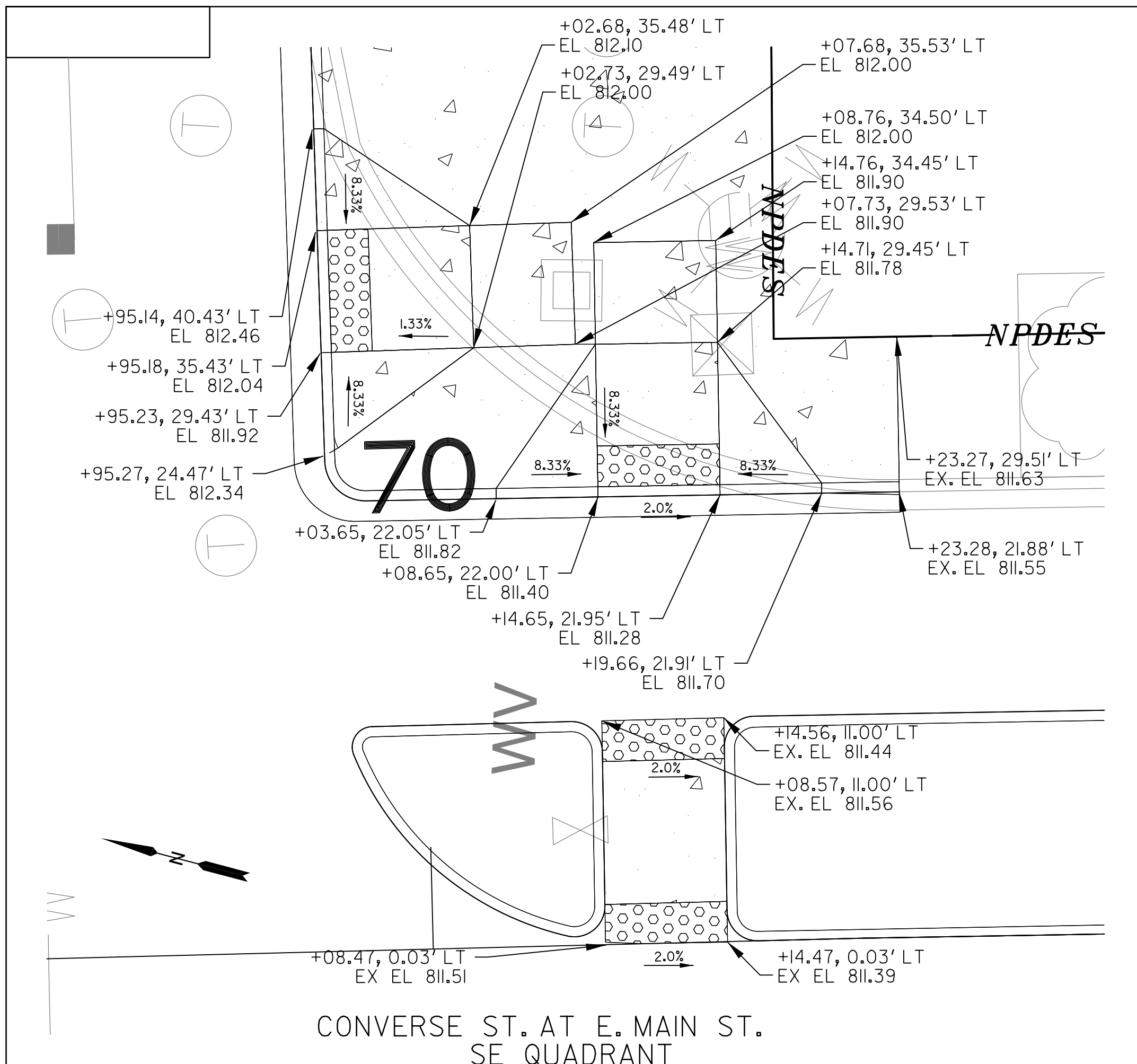
MARY BLACK
 RAIL TRAIL EXTENSION
 SPARTANBURG, SC

CURB RAMP DETAILS

SCALE 1"= 5'

SHEET NO. 17

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	8250, S-1707, S-56	18



TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

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

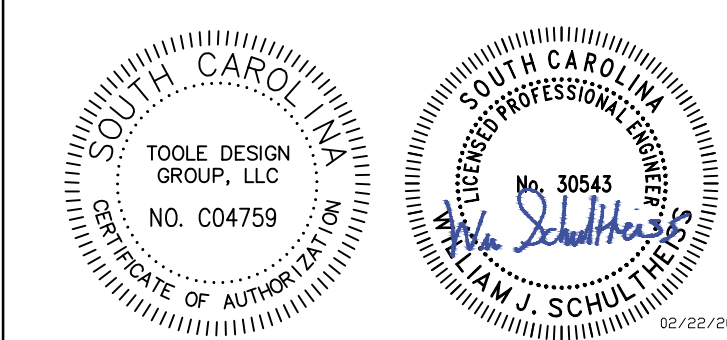
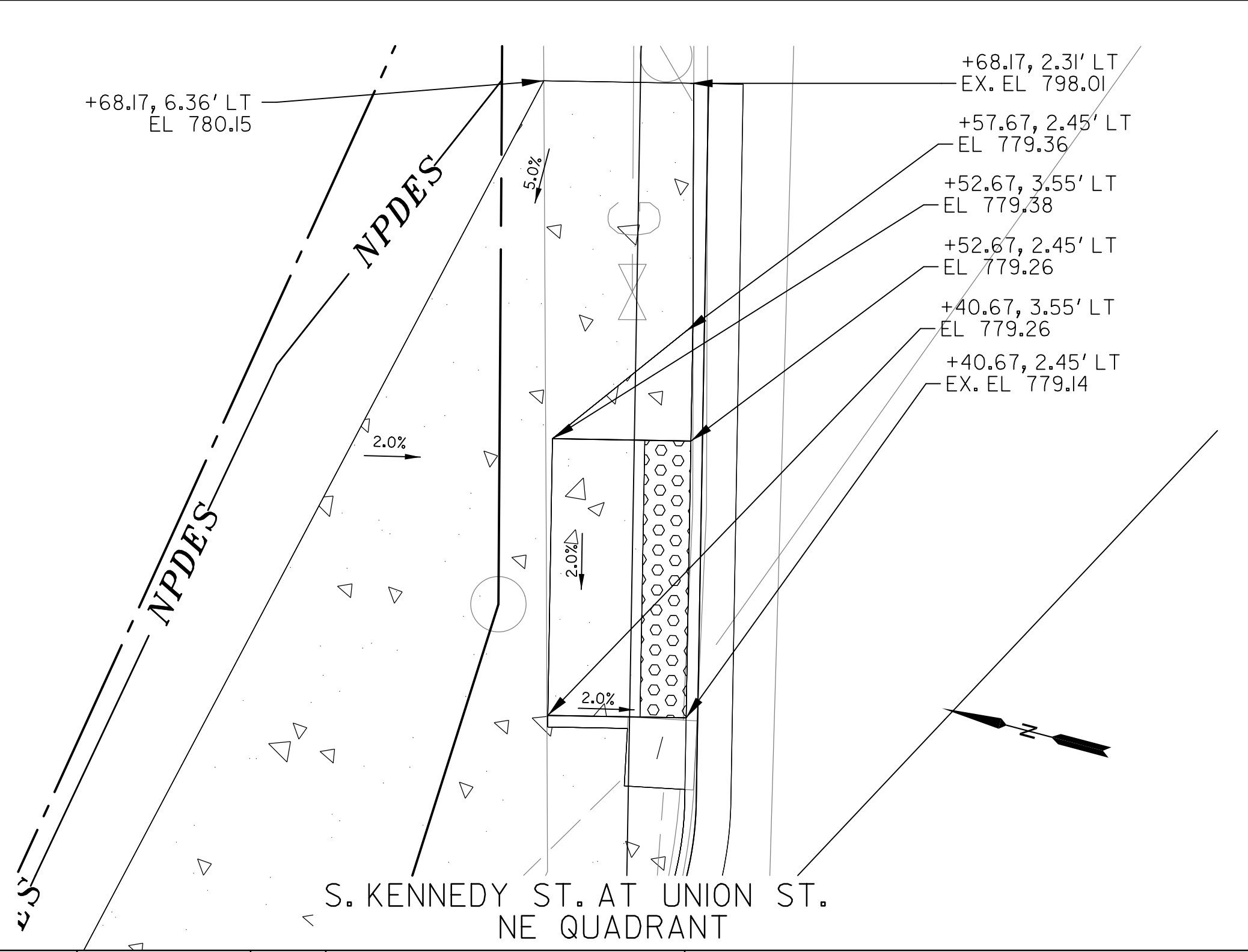
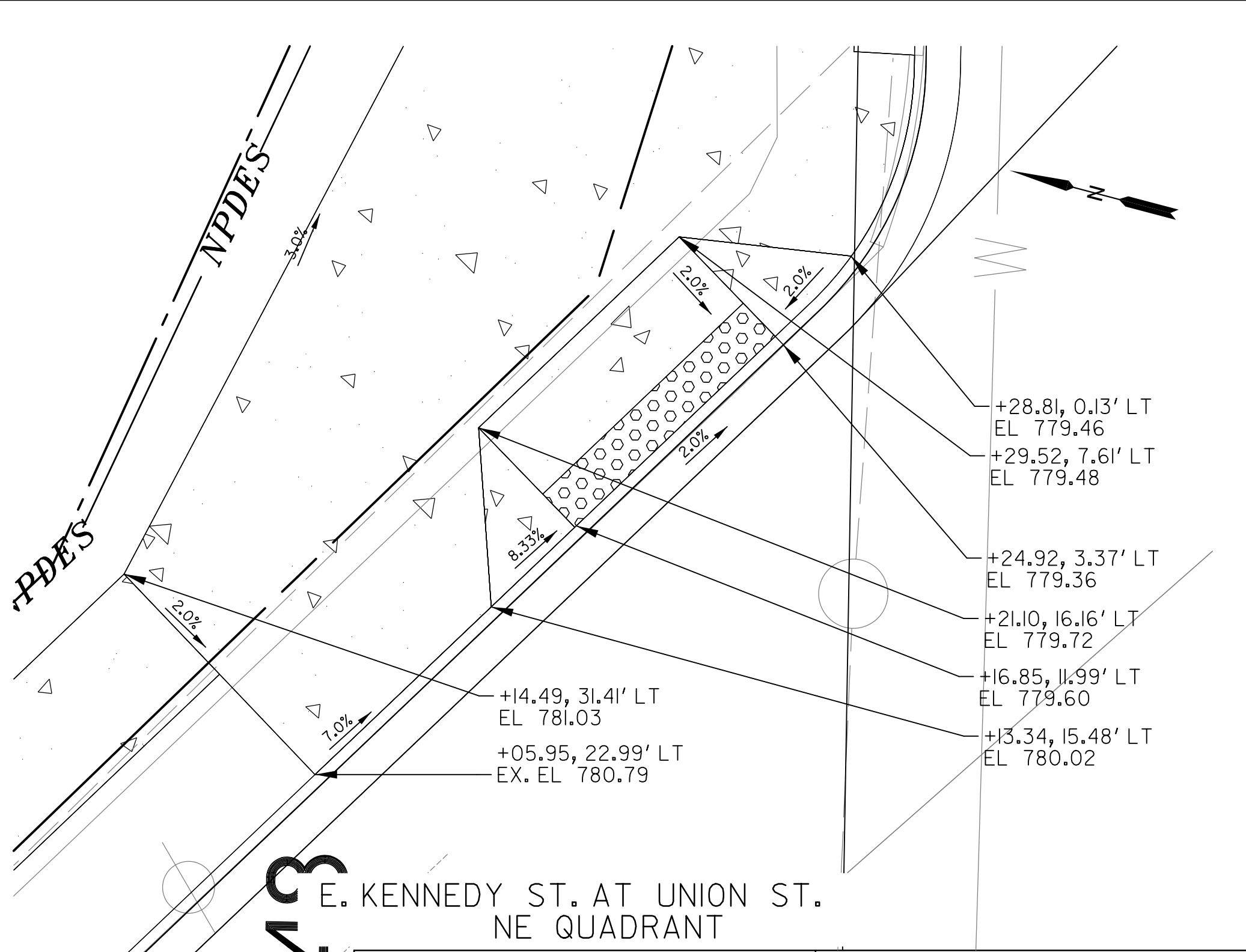
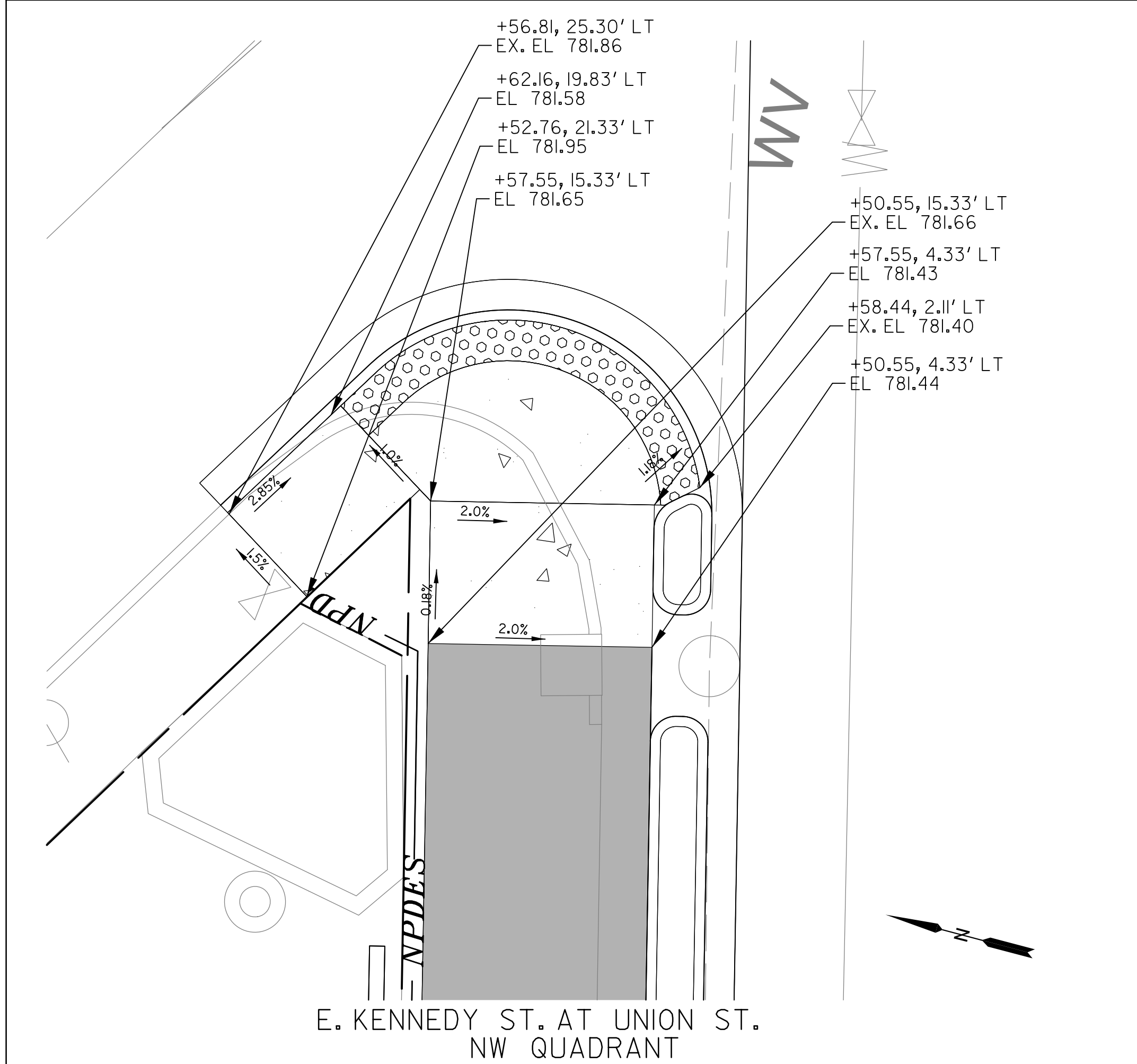
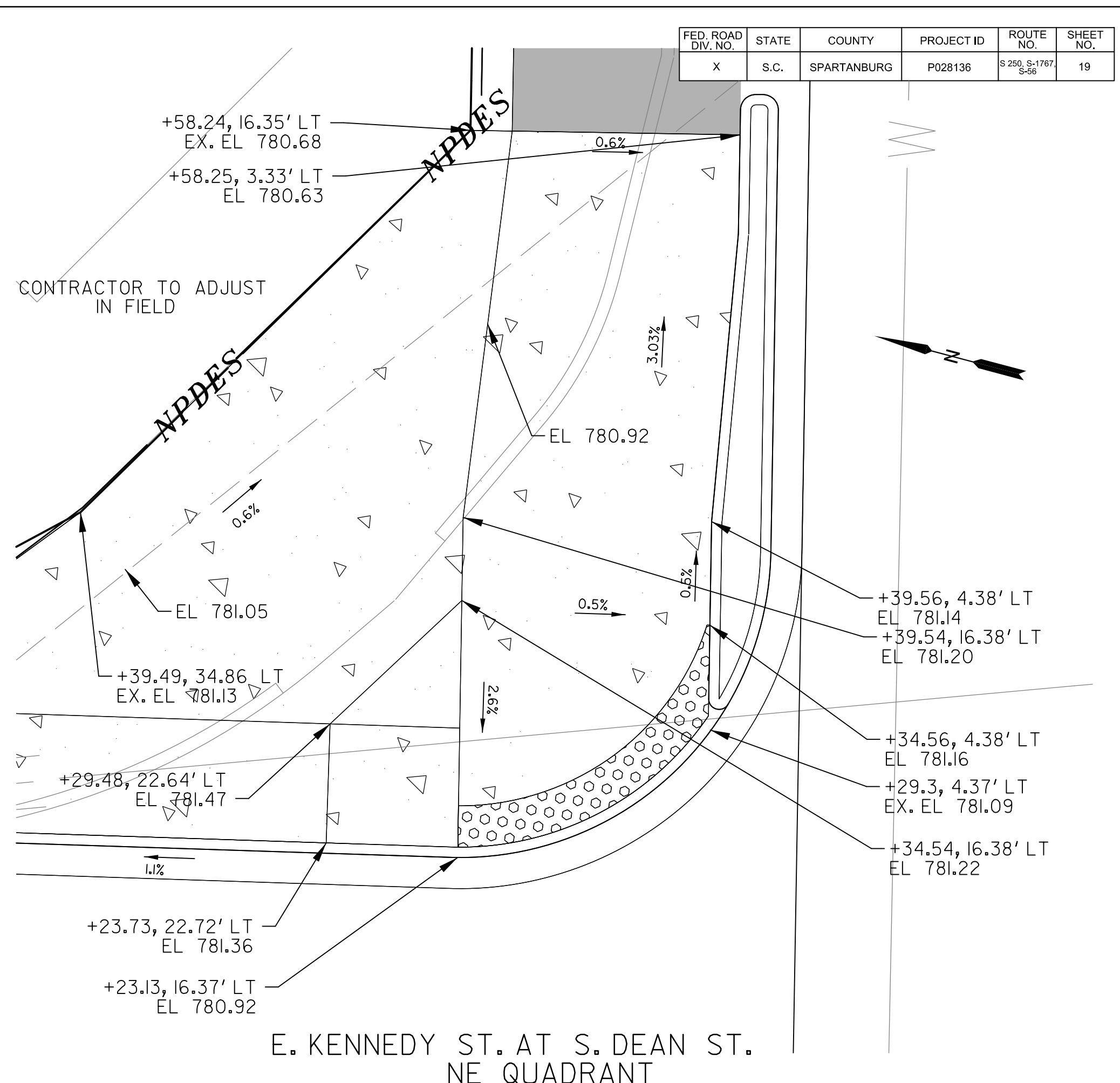
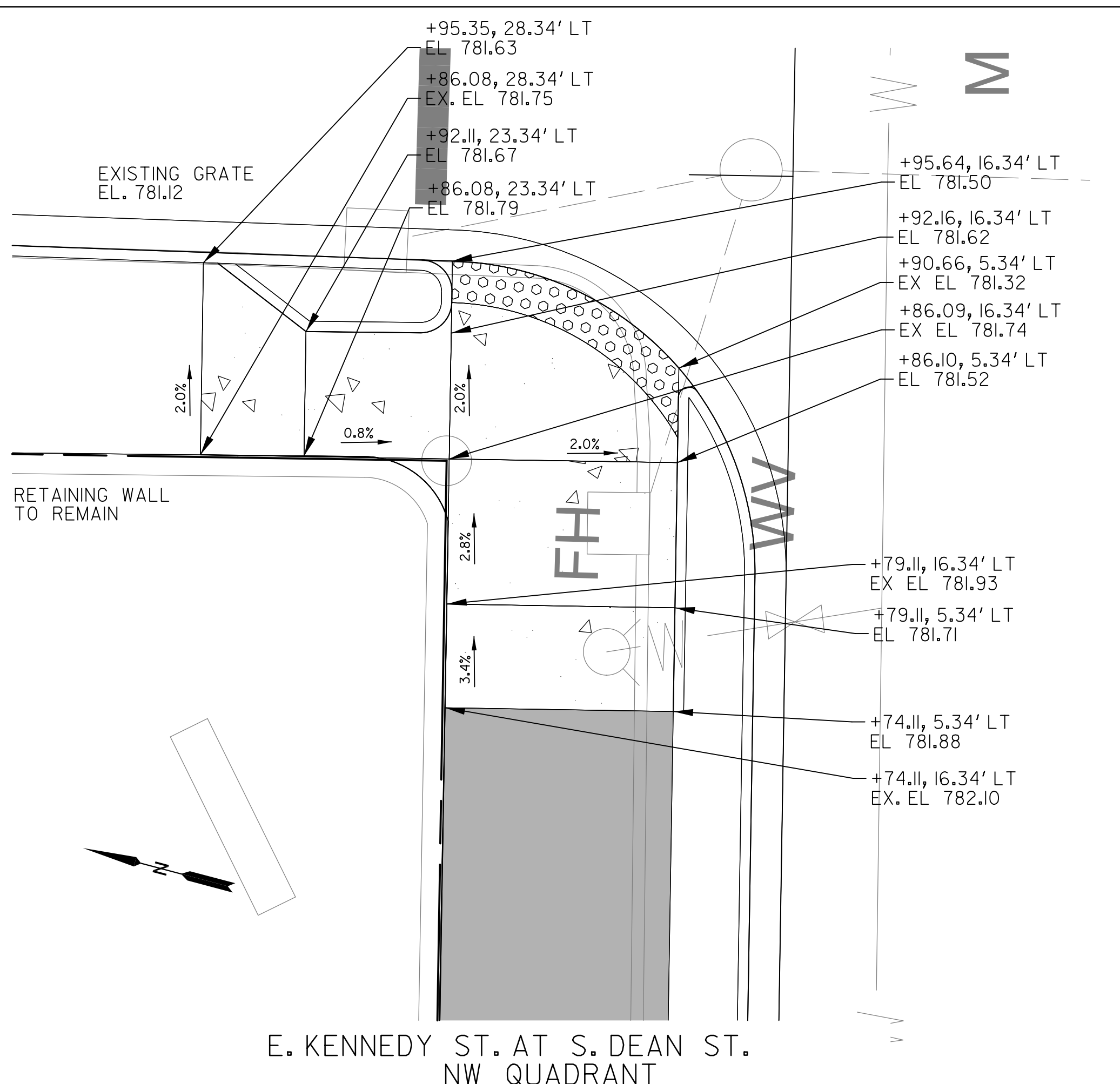
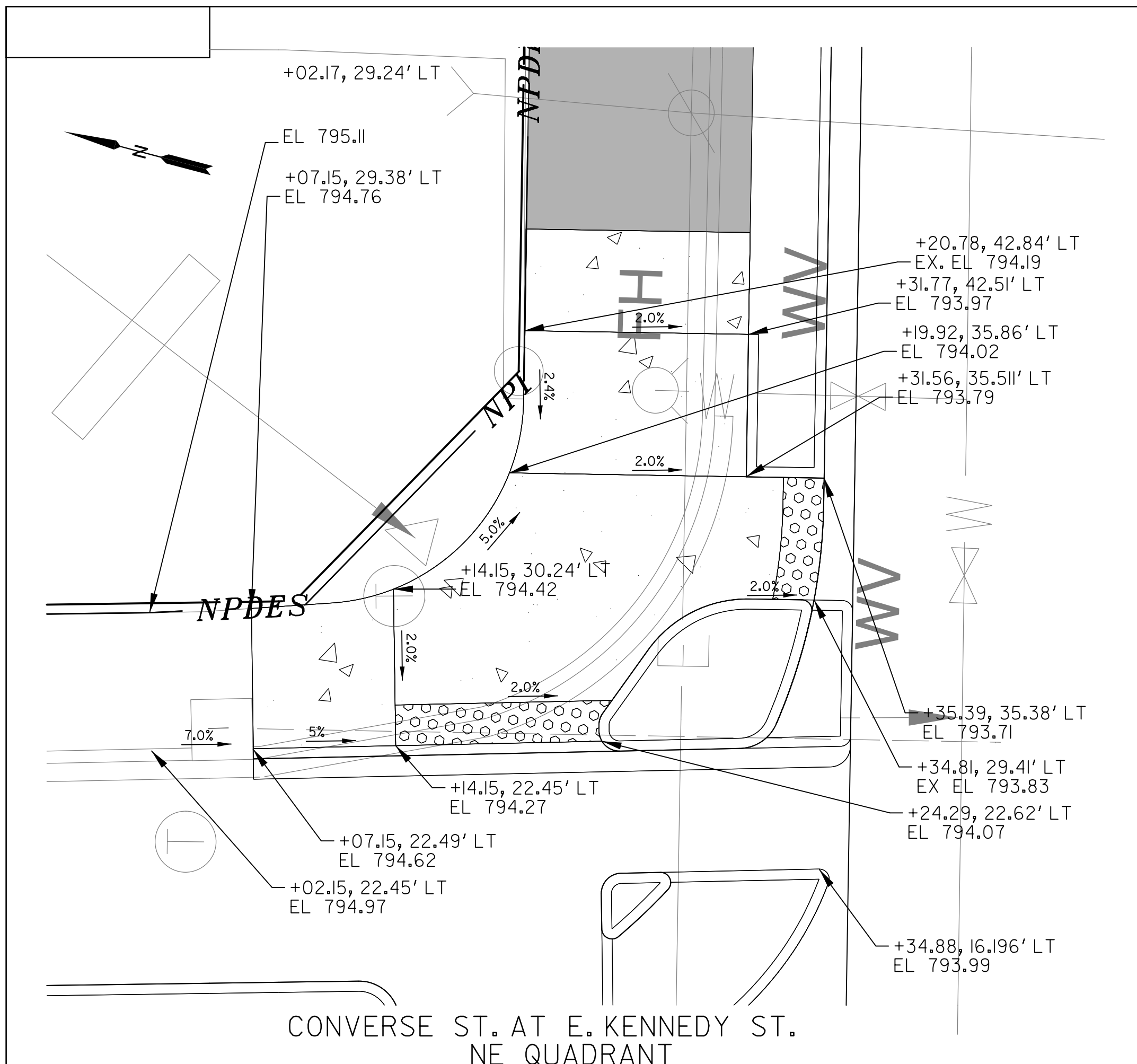
MARY BLACK
 RAIL TRAIL EXTENSION
 SPARTANBURG, SC

CURB RAMP DETAILS

SCALE 1"= 5'

SHEET NO. 18

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	8250, 8-1707, 8-56	19



TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
TOPO.		DATE	SQUAD	
DWG.		DATE		
RW		DATE		

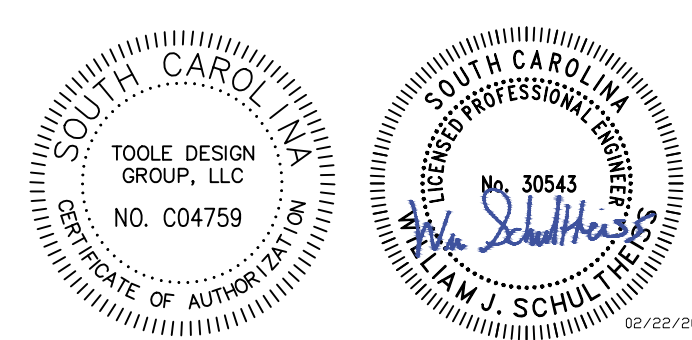
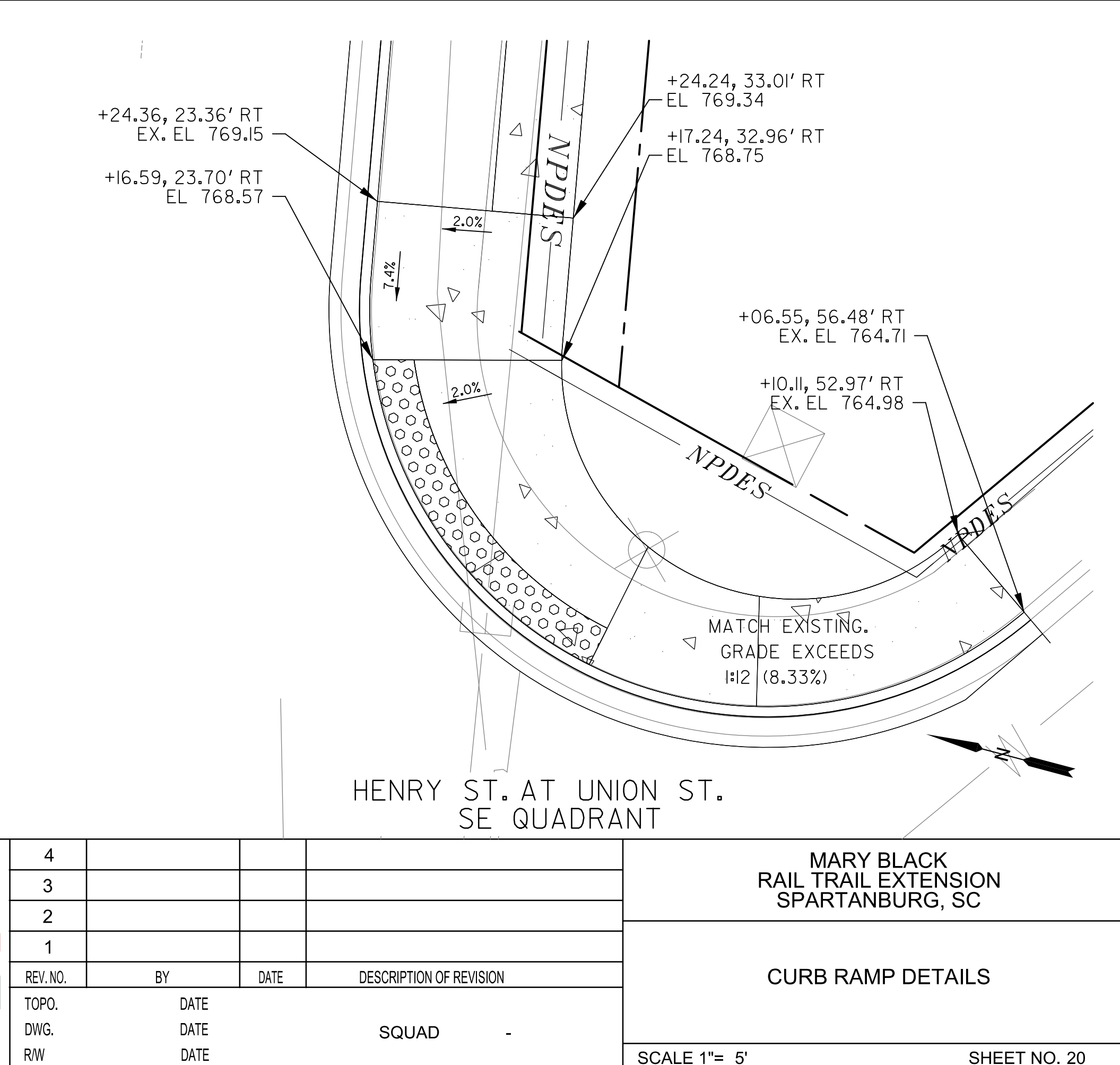
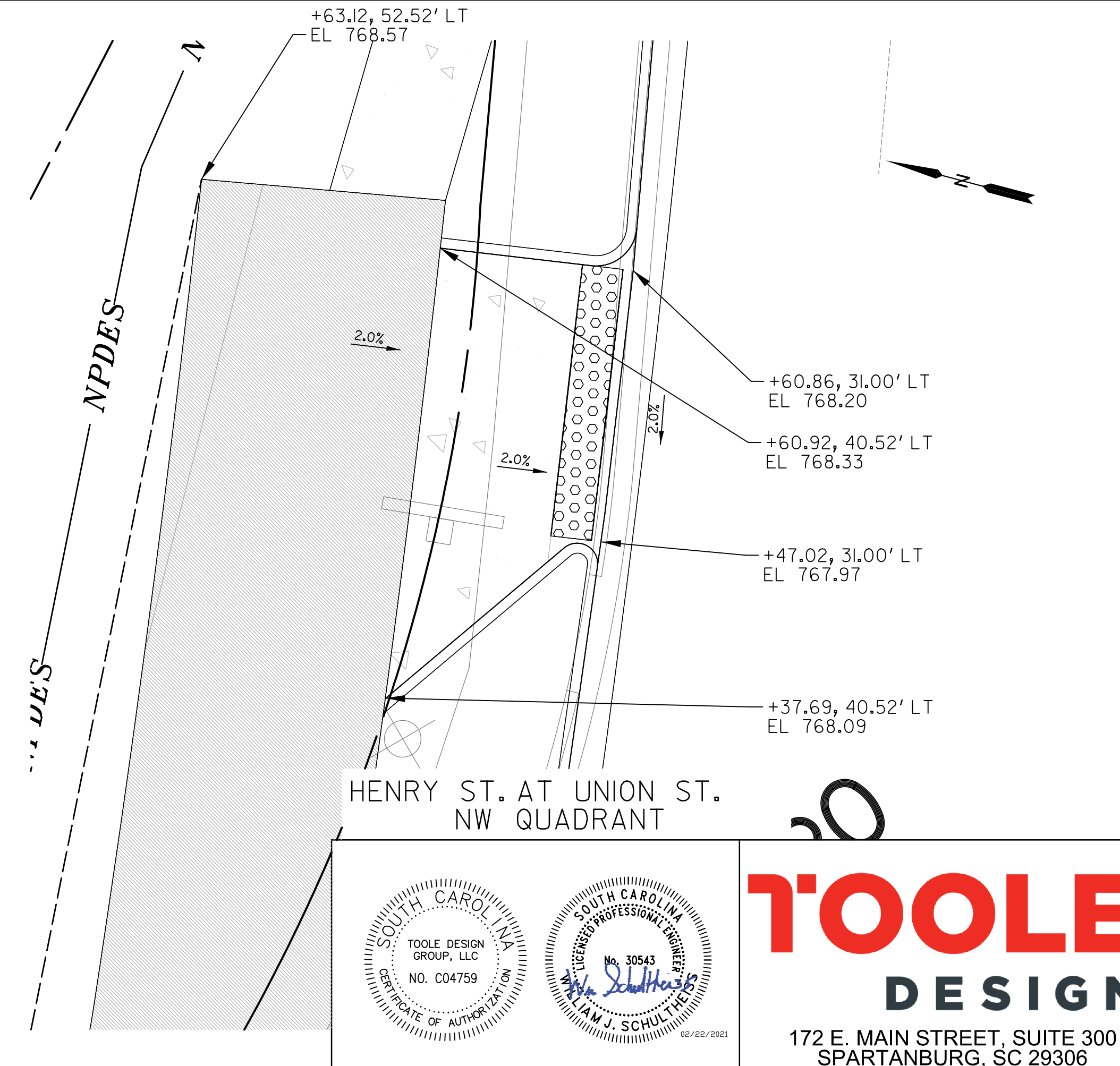
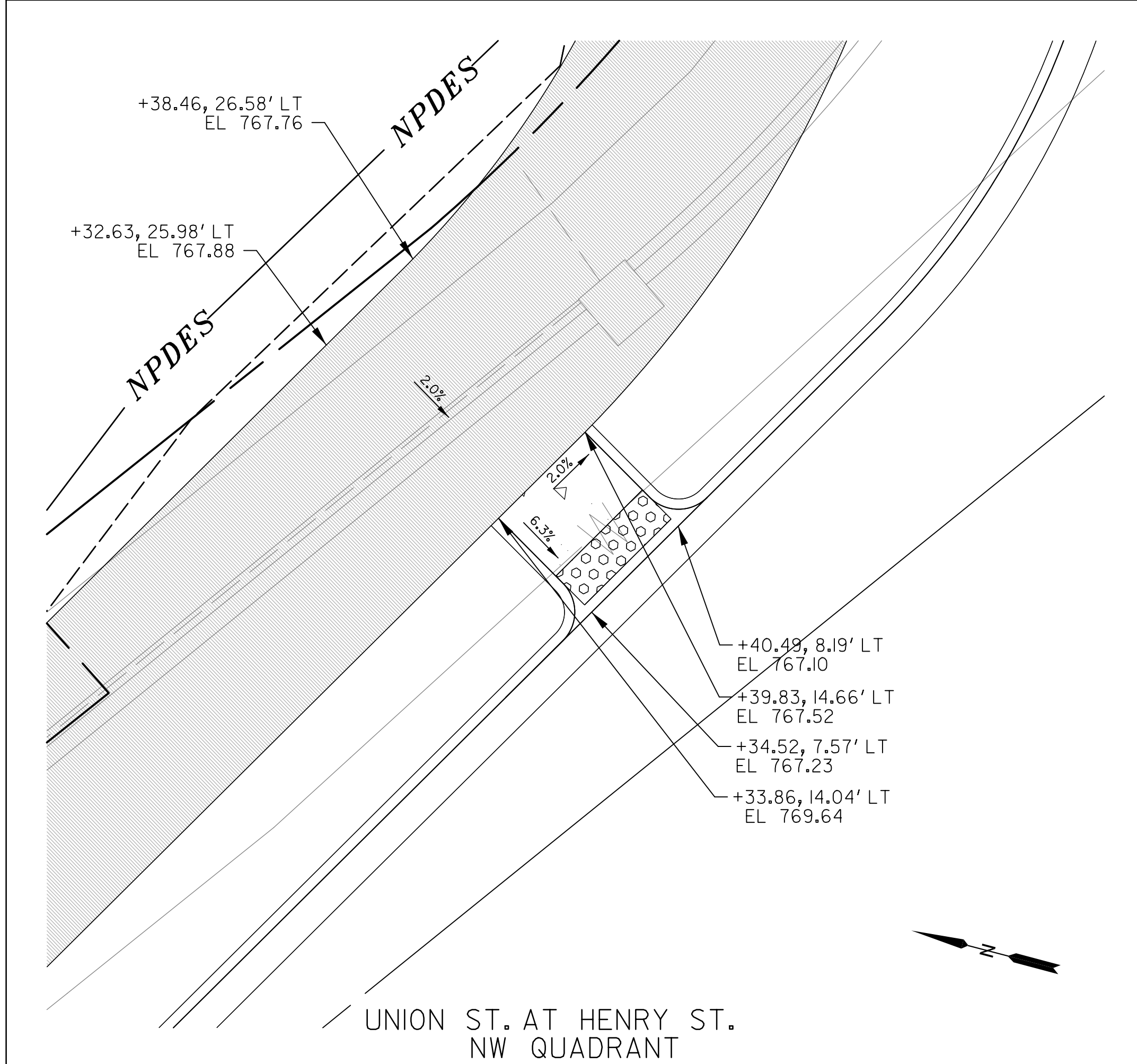
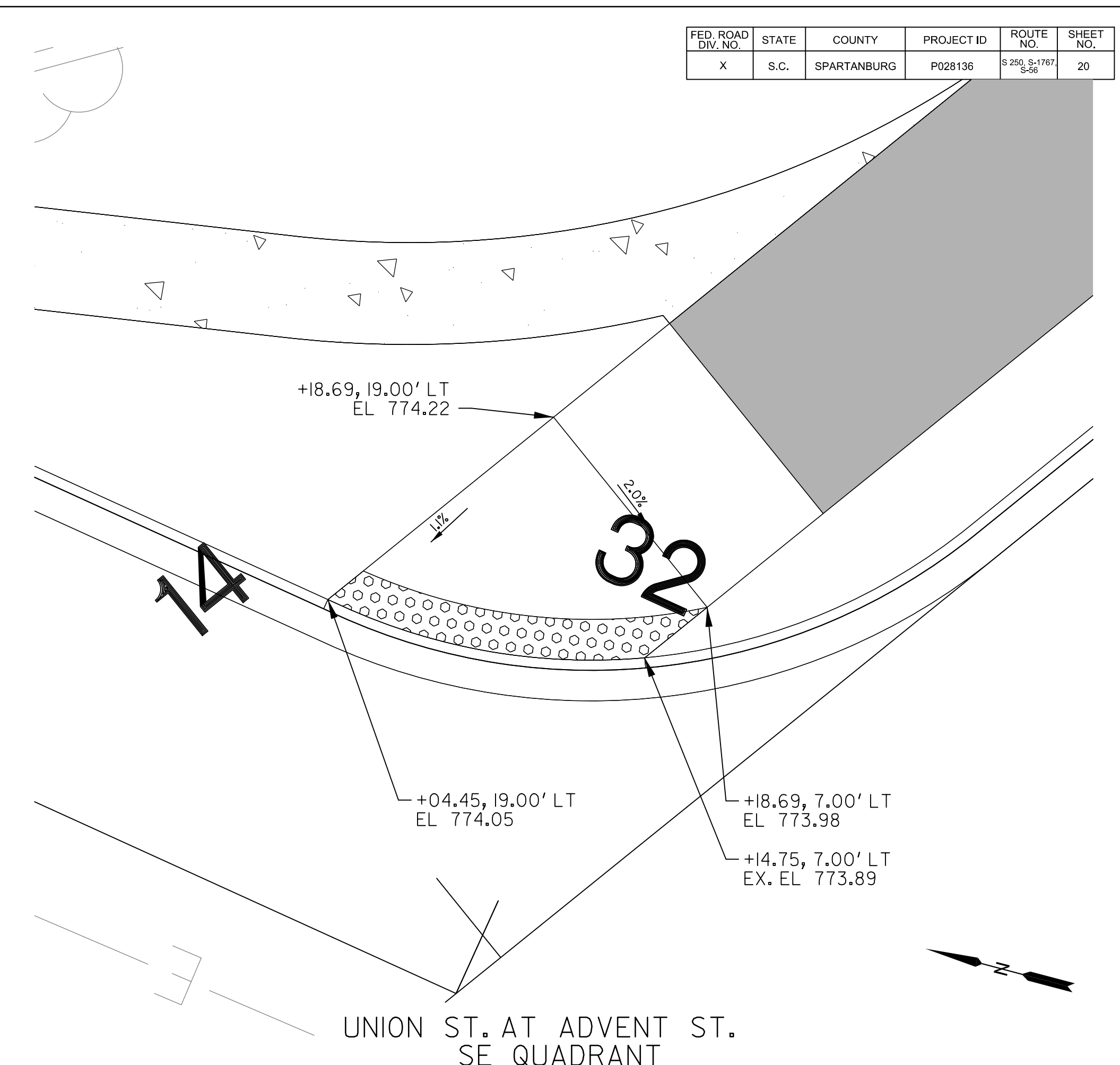
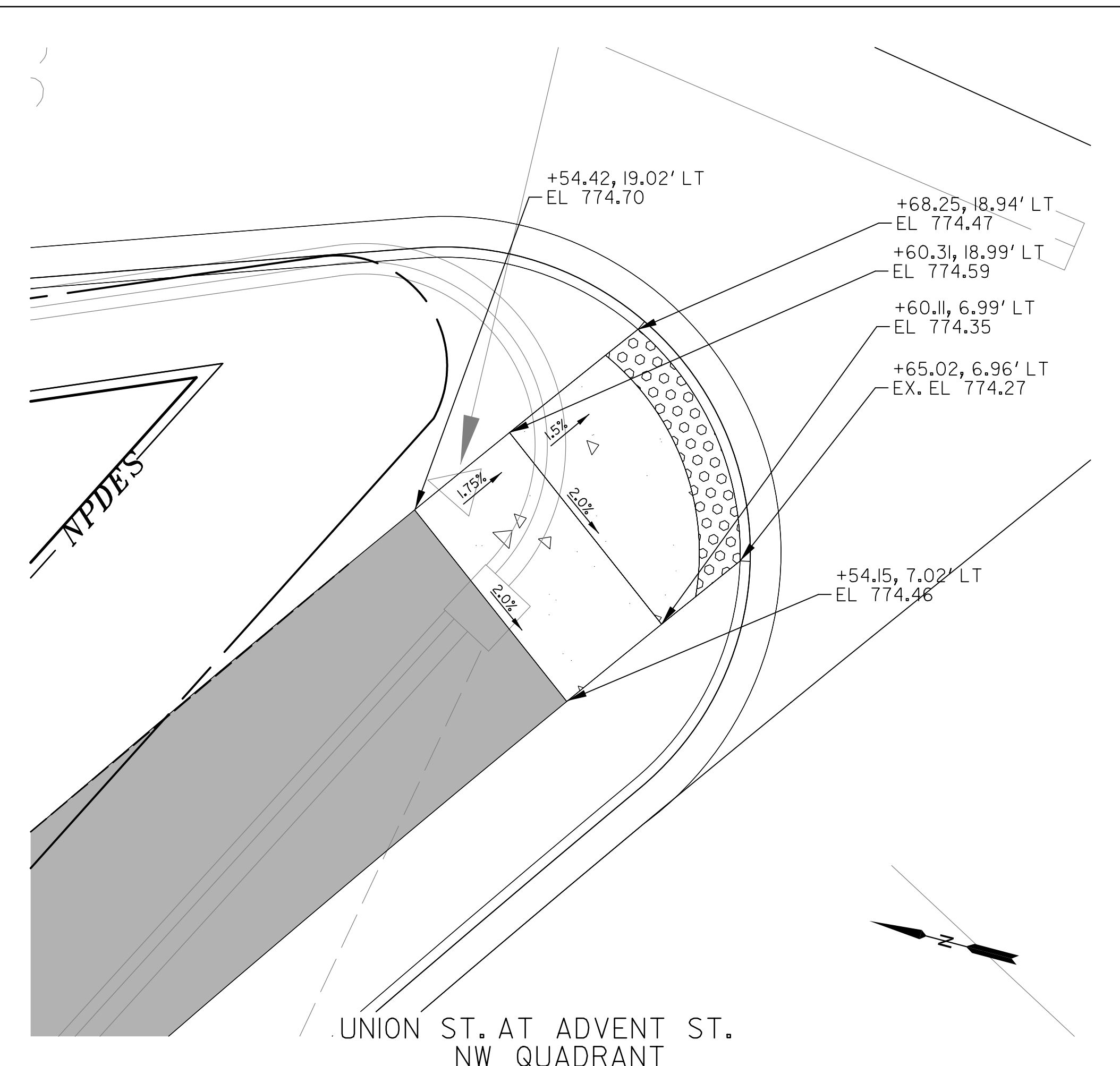
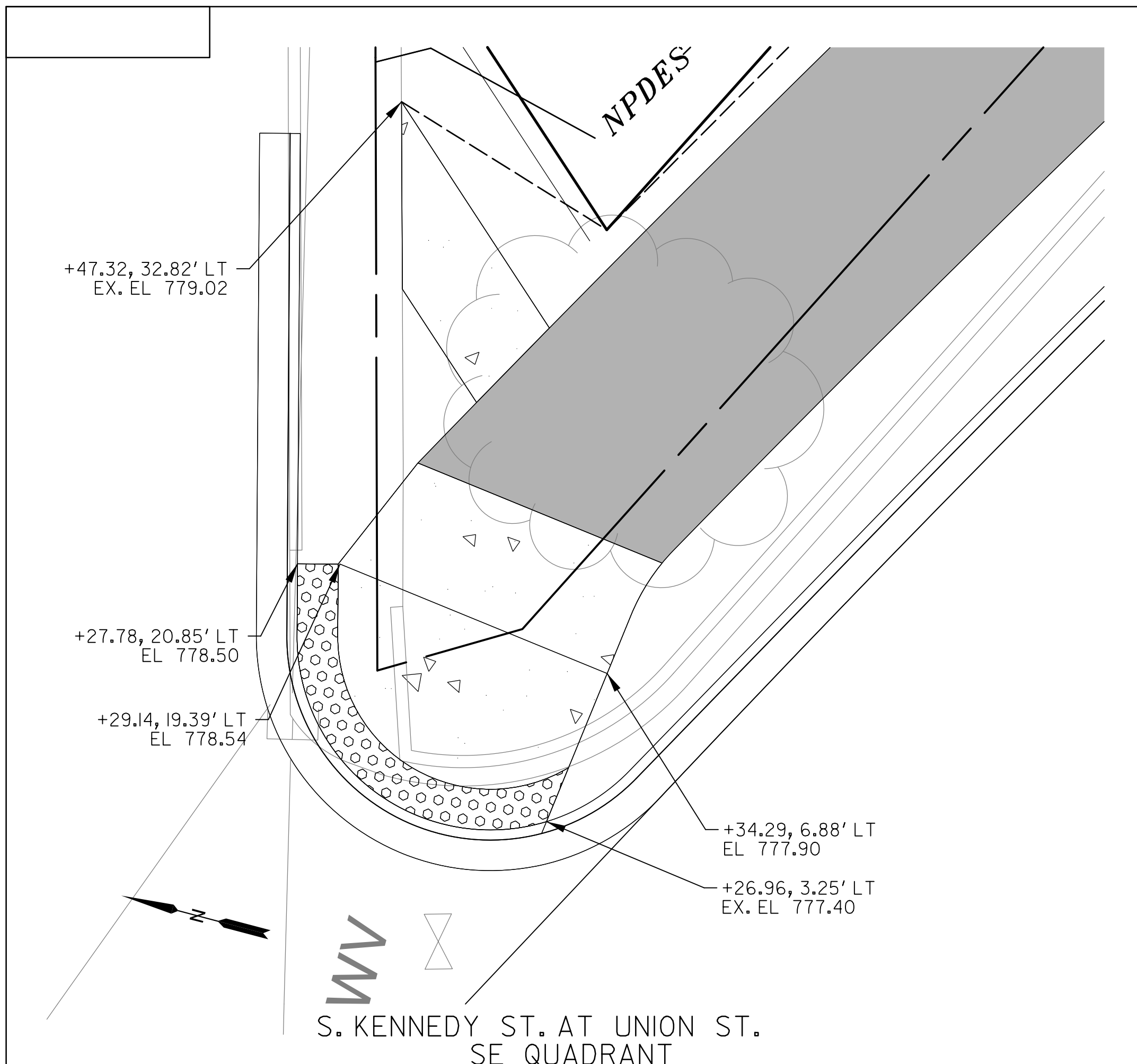
MARY BLACK
 RAIL TRAIL EXTENSION
 SPARTANBURG, SC

CURB RAMP DETAILS

SCALE 1"= 5'

SHEET NO. 19

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	8250, B-1707, S-56	20



TOOLE DESIGN
172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

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

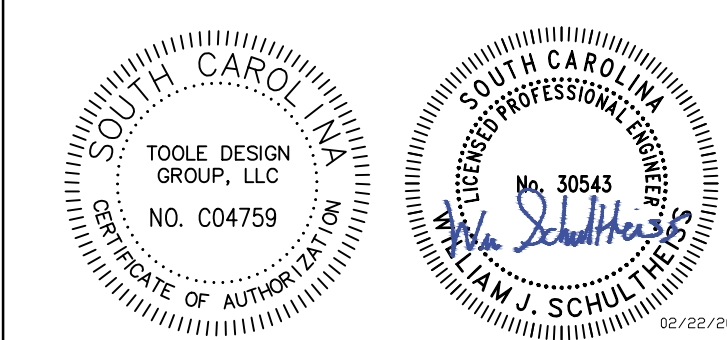
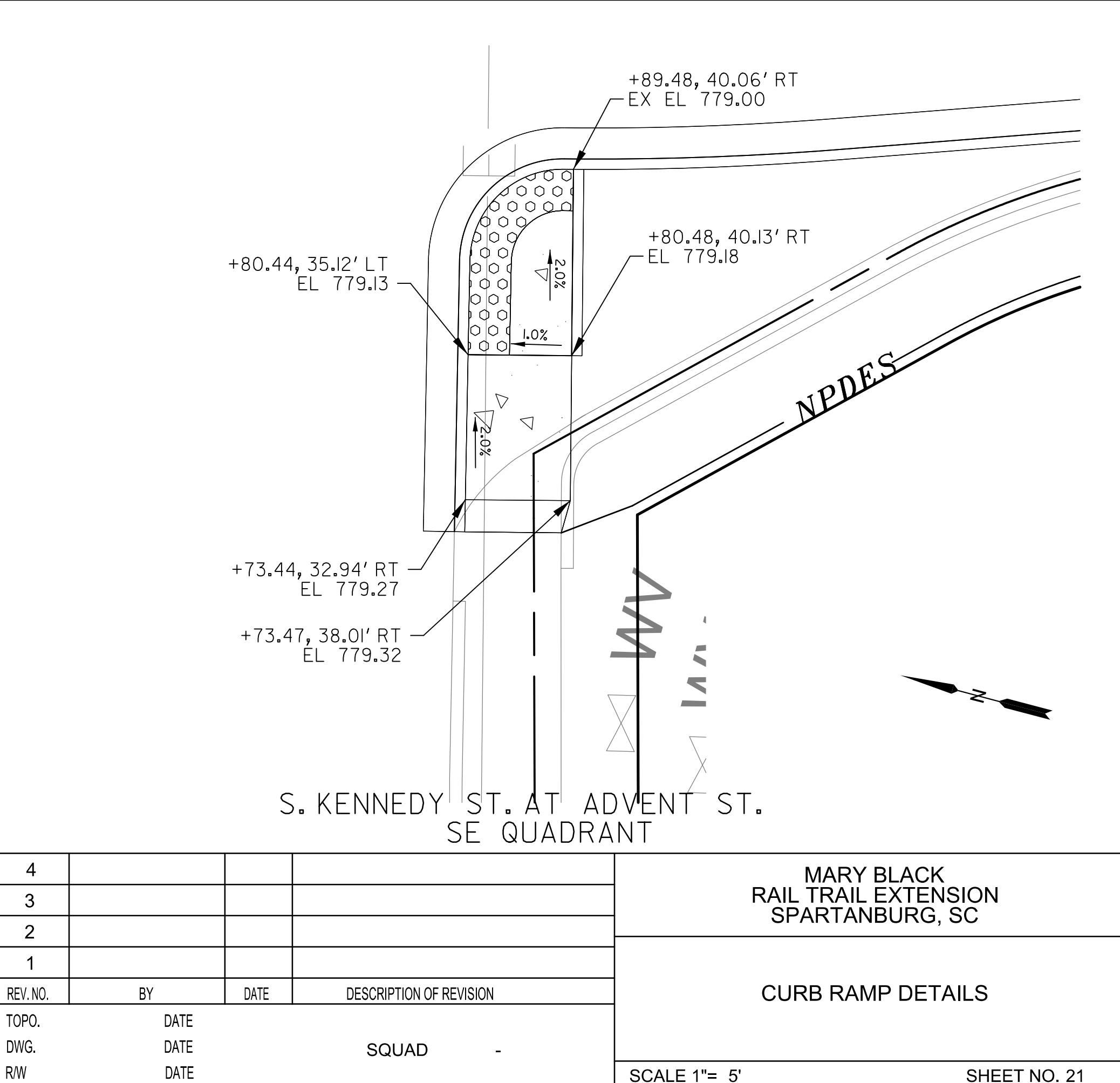
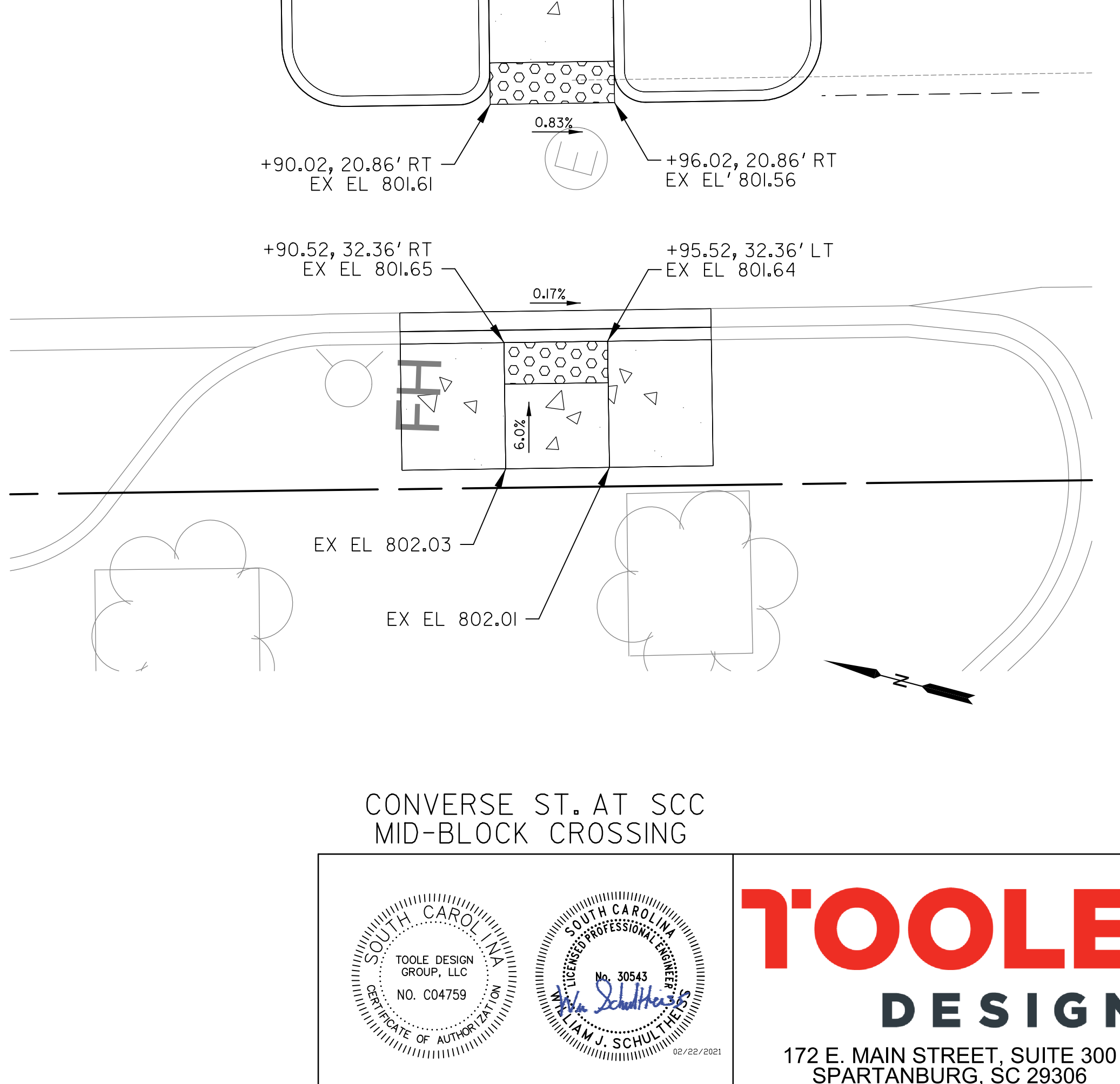
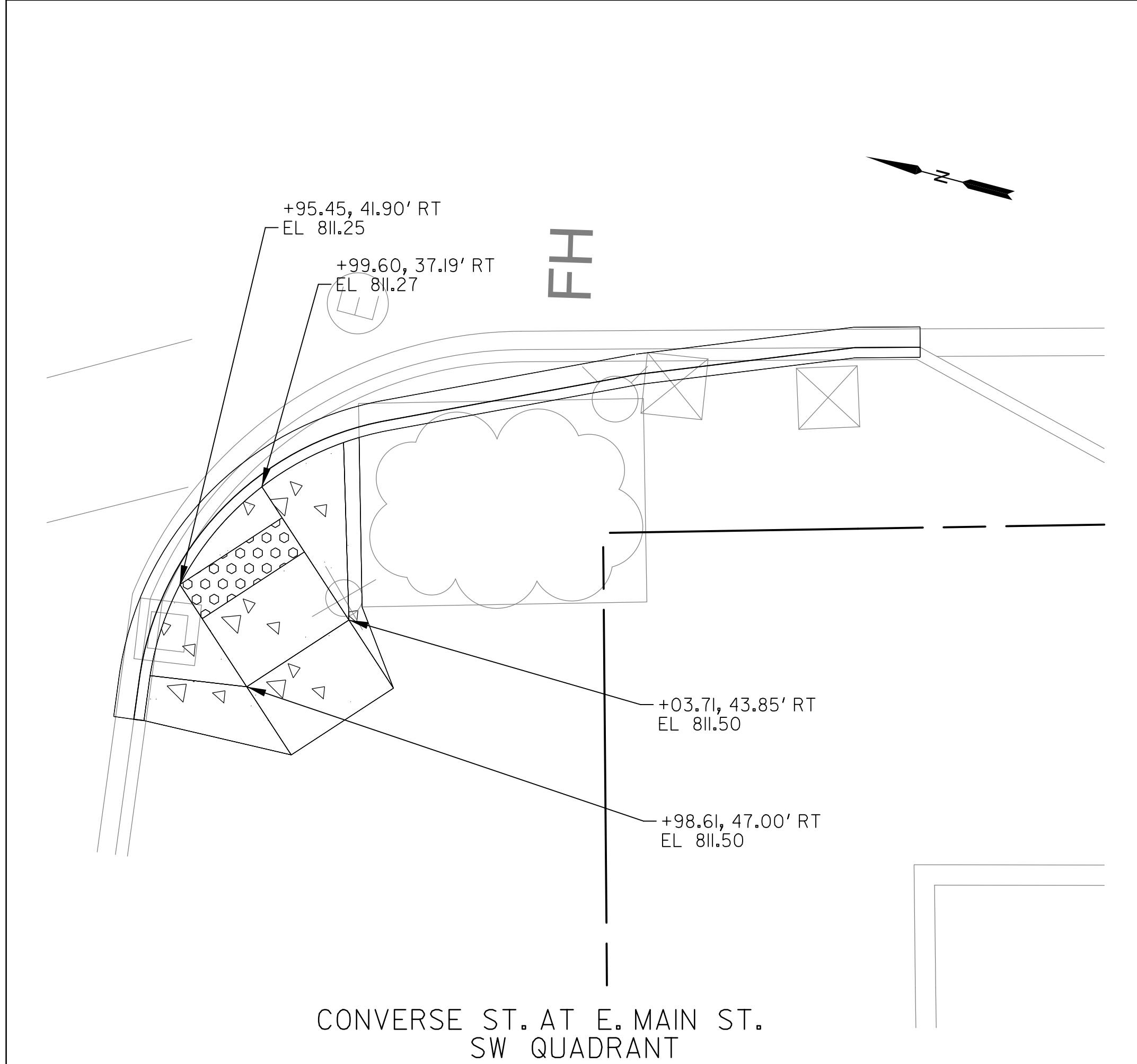
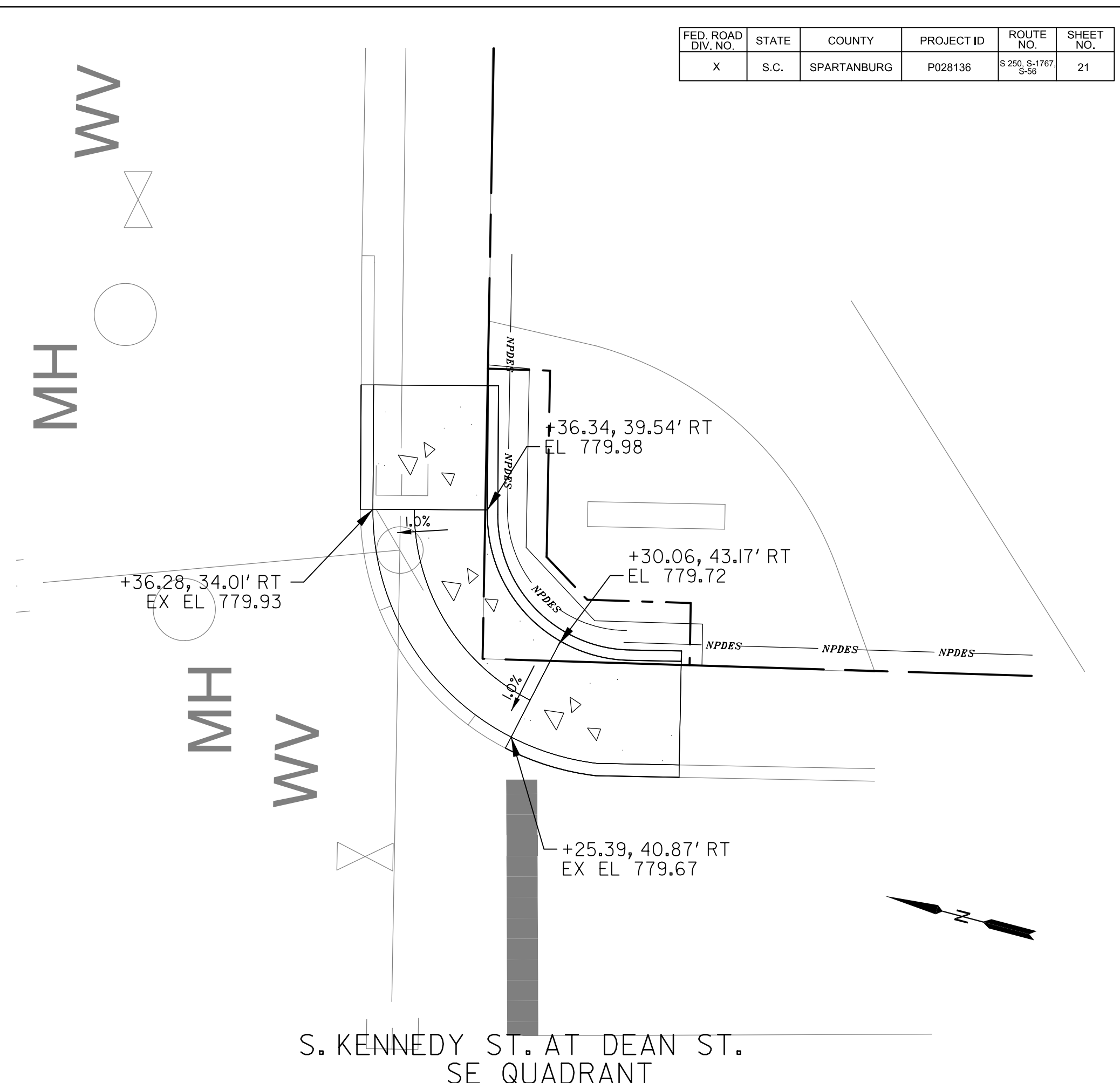
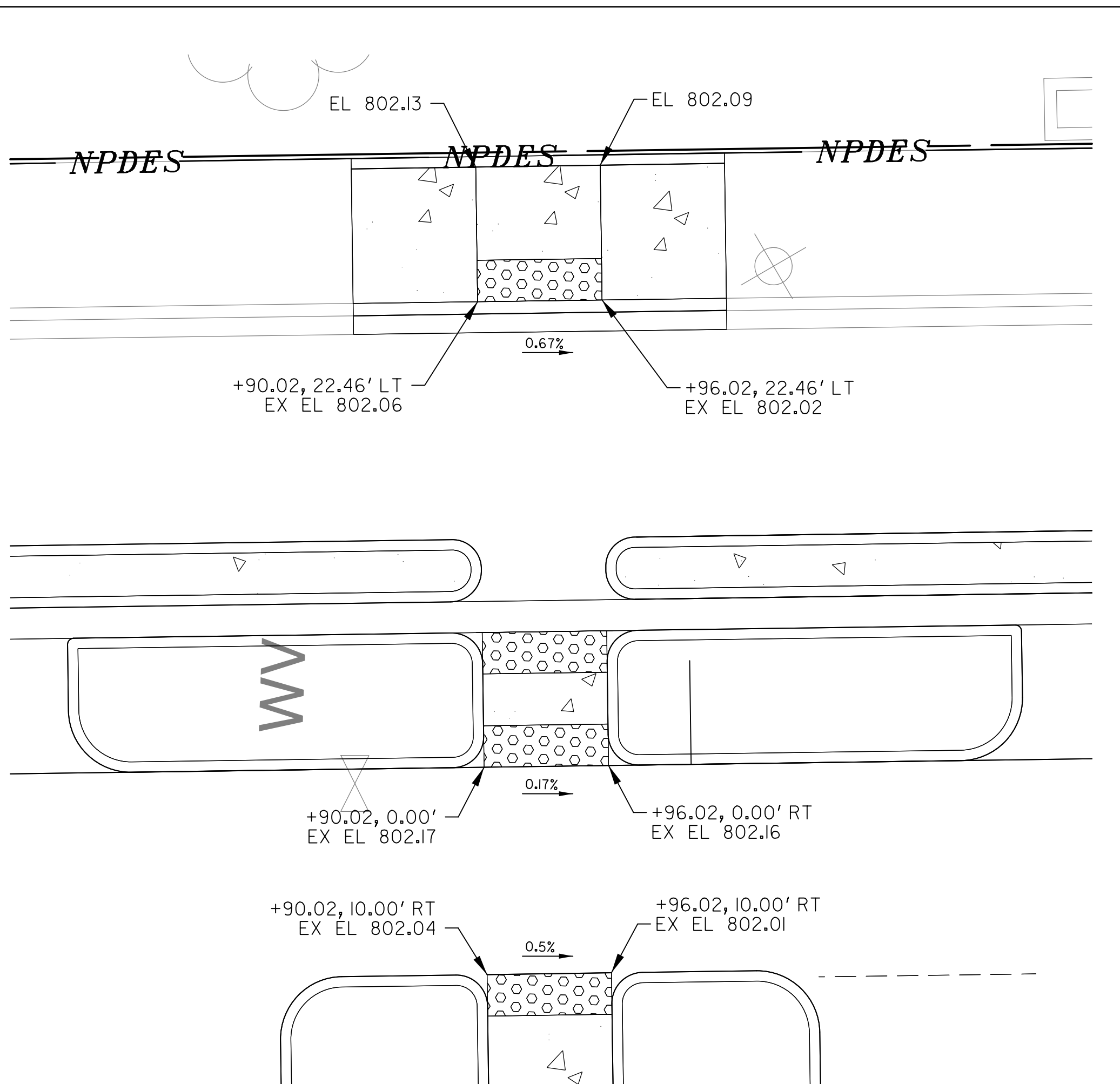
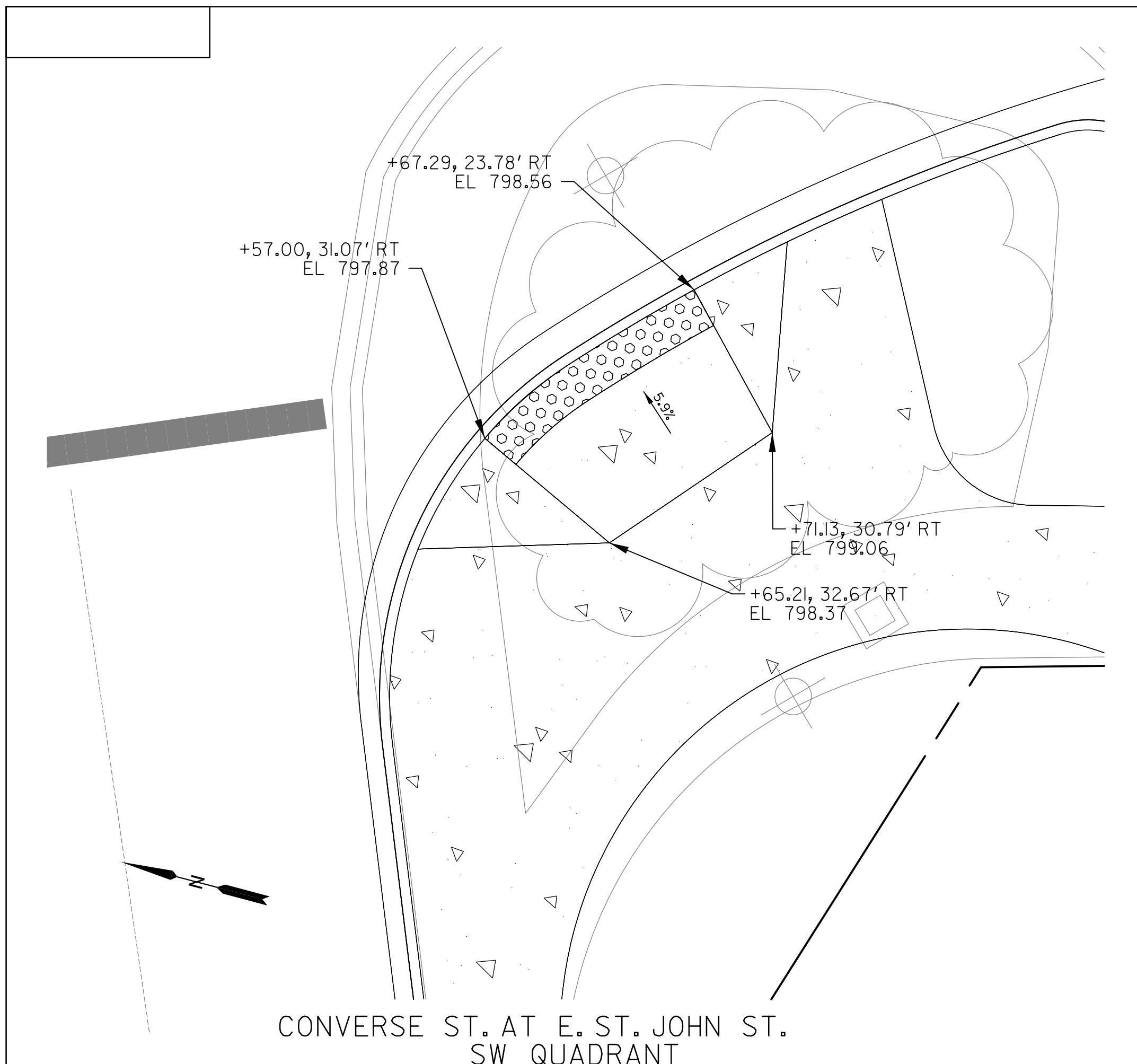
MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

CURB RAMP DETAILS

SCALE 1"= 5'

SHEET NO. 20

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	8250, S-1707, S-56	21



TOOLE DESIGN
172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

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

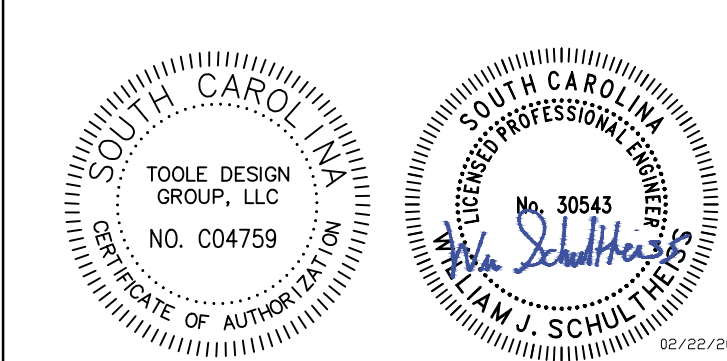
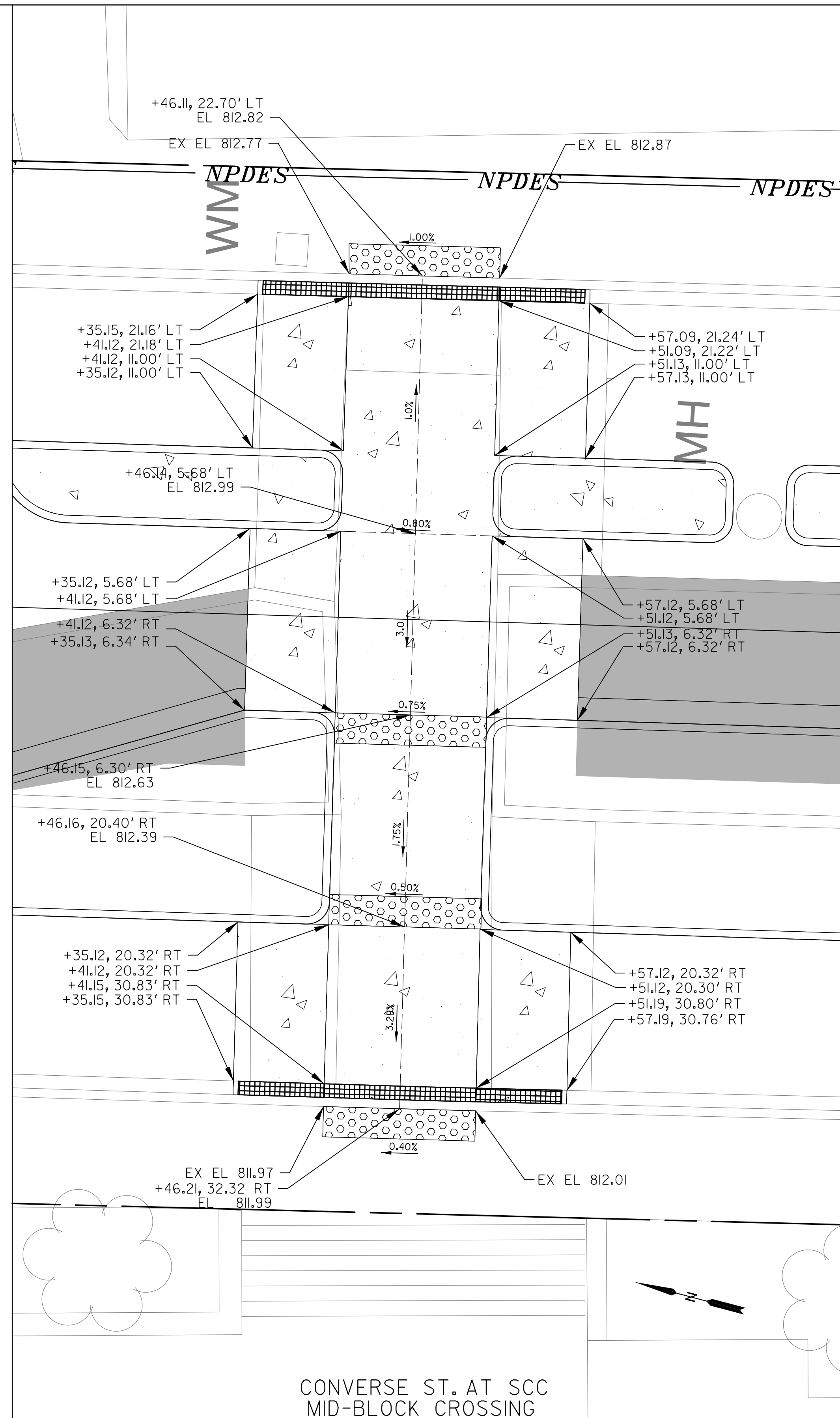
MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

CURB RAMP DETAILS

SCALE 1"= 5'

SHEET NO. 21

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707 S-56	22



TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

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

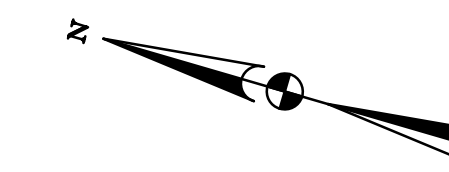
MARY BLACK
 RAIL TRAIL EXTENSION
 SPARTANBURG, SC

CURB RAMP DETAILS

SCALE 1"= 5'

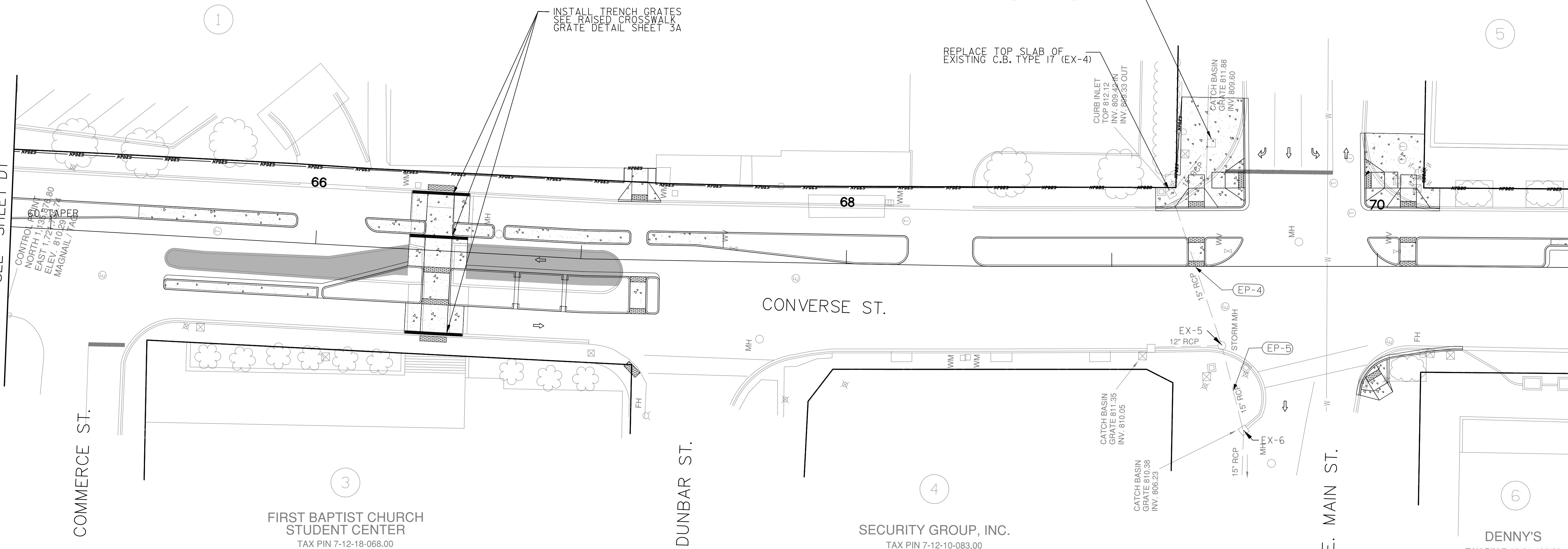
SHEET NO. 22

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	8250, S-1707, S-56	D2



FIRST BAPTIST CHURCH
TAX PIN 7-12-10-057.00
TAX PIN 7-12-10-054.01
TAX PIN 7-12-11-006.00
TAX PIN 7-12-10-056.00
TAX PIN 7-12-10-052.00

CITY OF SPARTANBURG
PARK
TAX PIN 7-12-21-114.00



NOTES:

SEE SHEET D8 FOR DRAINAGE SCHEDULE.

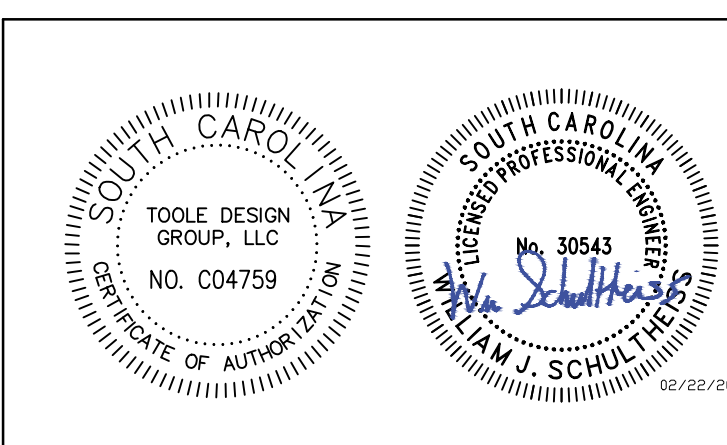
ALL EXISTING INFRASTRUCTURE TO BE PROTECTED IN PLACE, UNLESS OTHERWISE NOTED.

SEE SCDOT STD DRAWING 719-000-01,02,03,04 DRAINAGE STRUCTURE GENERAL NOTES
719-001-01,04,05 CATCH BASIN TYPE I DETAIL
719-016-01,02,03 CATCH BASIN TYPE I6 DETAIL
719-105-02 DROP INLET DETAIL
719-017-01 CATCH BASIN TYPE I7 DETAIL
719-330-01,02 JUNCTION BOX DETAIL

LEGEND

	ASPHALT PAVEMENT
	CONCRETE SIDEWALK
	DIRECTION OF TRAVEL

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEET



TOOLE DESIGN
172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

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

MARY BLACK RAIL TRAIL EXTENSION SPARTANBURG, SC

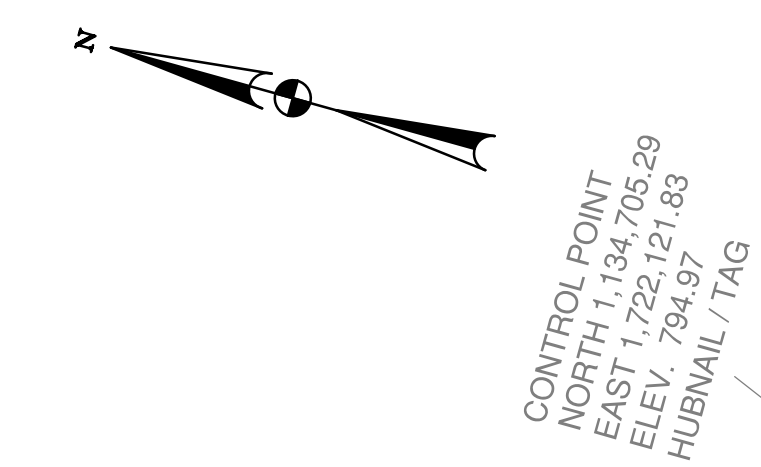
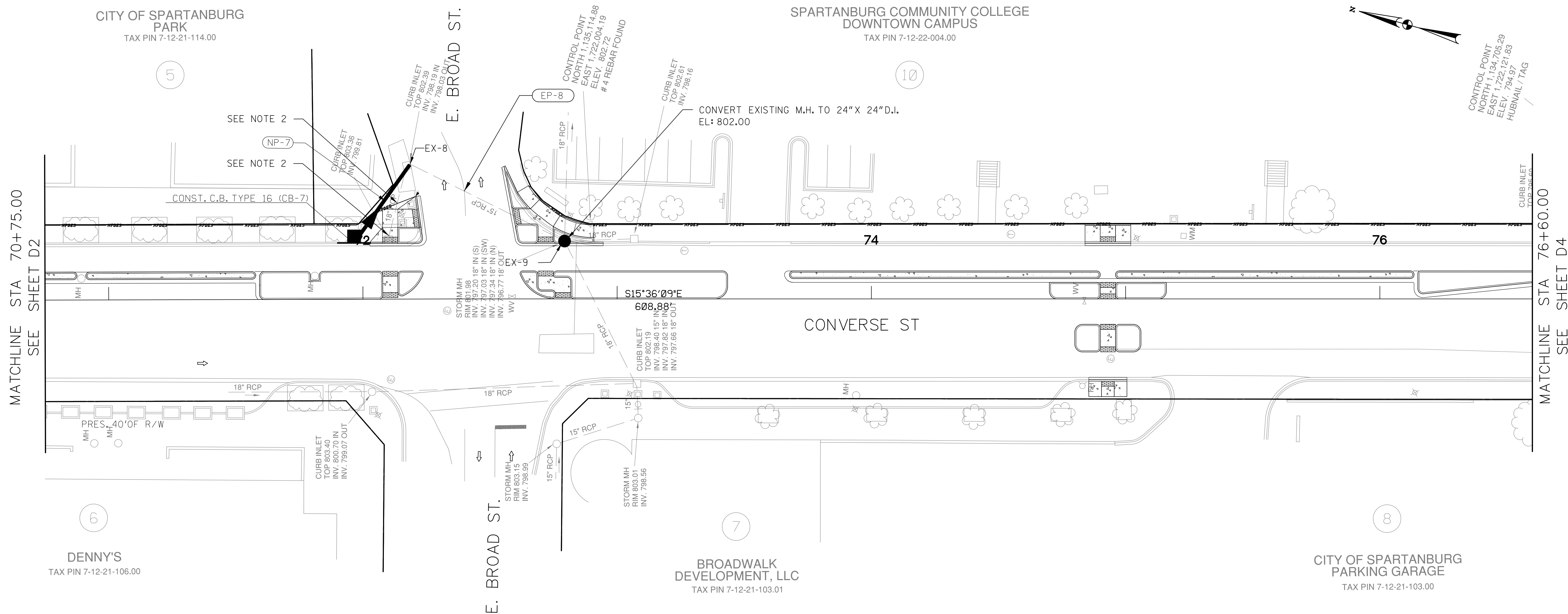
DRAINAGE SHEET 2 OF 7

SCALE 1"= 20' SHEET NO. D2

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 290, S-1707, S-56	D3

CITY OF SPARTANBURG
PARK
TAX PIN 7-12-21-114.00

SPARTANBURG COMMUNITY COLLEGE
DOWNTOWN CAMPUS
TAX PIN 7-12-22-004.00



MATCHLINE STA 70+75.00
SEE SHEET D2

MATCHLINE STA 76+60.00
SEE SHEET D4

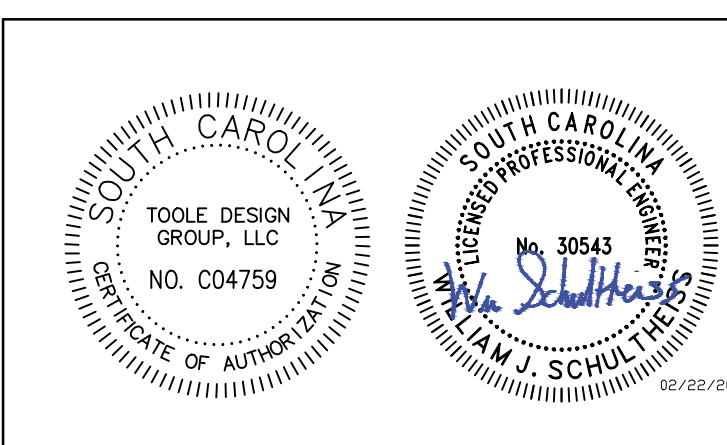
NOTES:

- SEE SHEET D8 FOR DRAINAGE SCHEDULE.
- EXISTING CATCH BASIN AND 28 LF OF 18" RCP TO BE FILLED WITH FLOWABLE FILL AND LEFT IN PLACE.
- ALL EXISTING INFRASTRUCTURE TO BE PROTECTED IN PLACE, UNLESS OTHERWISE NOTED.
- SEE SCDOT STD DRAWING
719-000-01,02,03,04 DRAINAGE STRUCTURE GENERAL NOTES
719-001-01,04,05 CATCH BASIN TYPE 16 DETAIL
719-016-01,02,03 CATCH BASIN TYPE 16 DETAIL
719-105-02 DROP INLET DETAIL
719-017-01 CATCH BASIN TYPE 17 DETAIL
719-330-01,02 JUNCTION BOX DETAIL

LEGEND

- ASPHALT PAVEMENT
- CONCRETE SIDEWALK
- DIRECTION OF TRAVEL

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEET



TOOLE DESIGN
172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

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

MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

DRAINAGE SHEET
3 OF 7

SCALE 1"= 20'

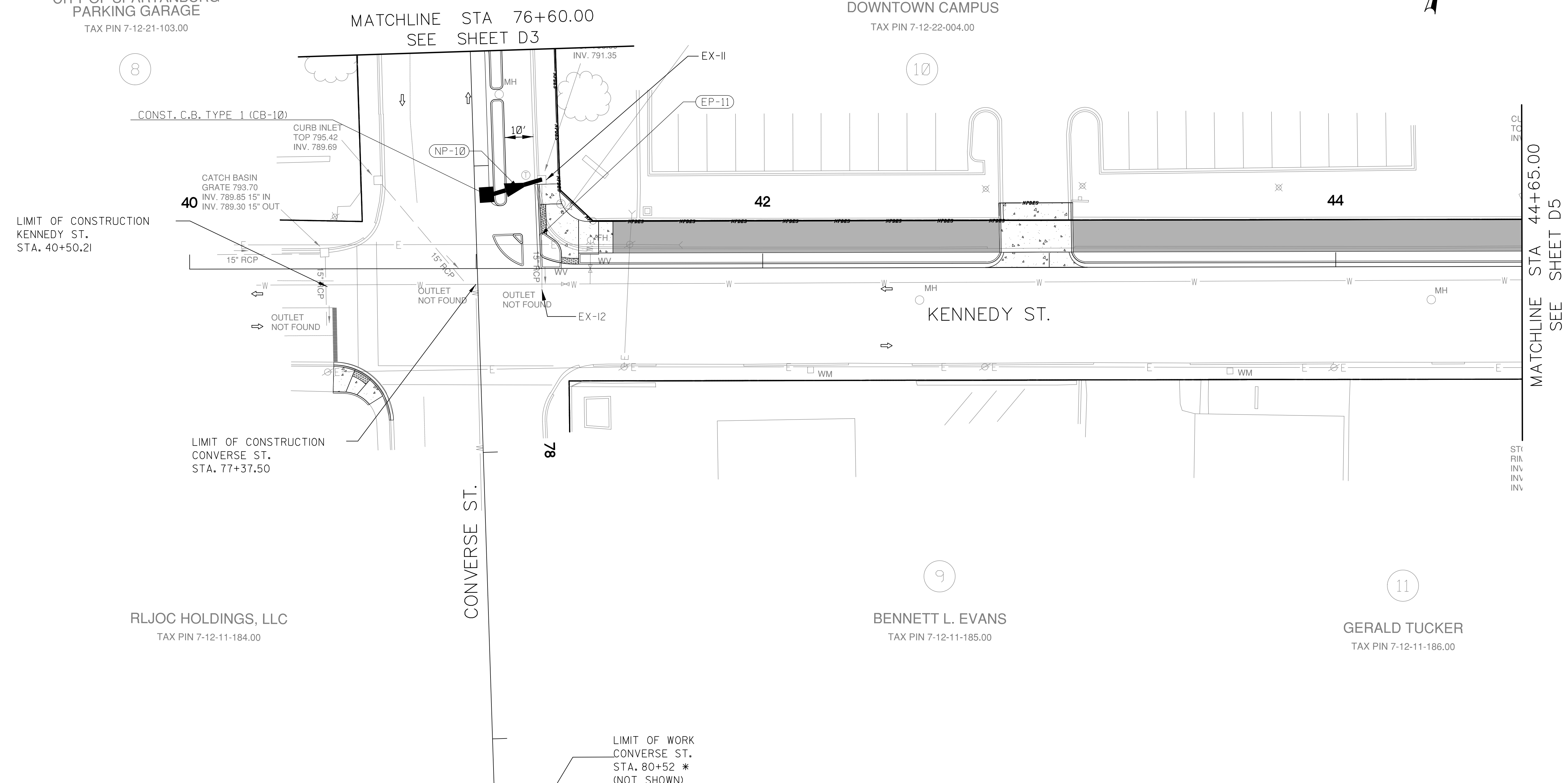
SHEET NO. D3

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707 S-56	D4



CITY OF SPARTANBURG
PARKING GARAGE
TAX PIN 7-12-21-103.00

SPARTANBURG COMMUNITY COLLEGE
DOWNTOWN CAMPUS
TAX PIN 7-12-22-004.00



LIMIT OF CONSTRUCTION
KENNEDY ST.
STA. 40+50.21

LIMIT OF CONSTRUCTION
CONVERSE ST.
STA. 77+37.50

LIMIT OF WORK
CONVERSE ST.
STA. 80+52 *
(NOT SHOWN)

RLJOC HOLDINGS, LLC
TAX PIN 7-12-11-184.00

BENNETT L. EVANS
TAX PIN 7-12-11-185.00

GERALD TUCKER
TAX PIN 7-12-11-186.00

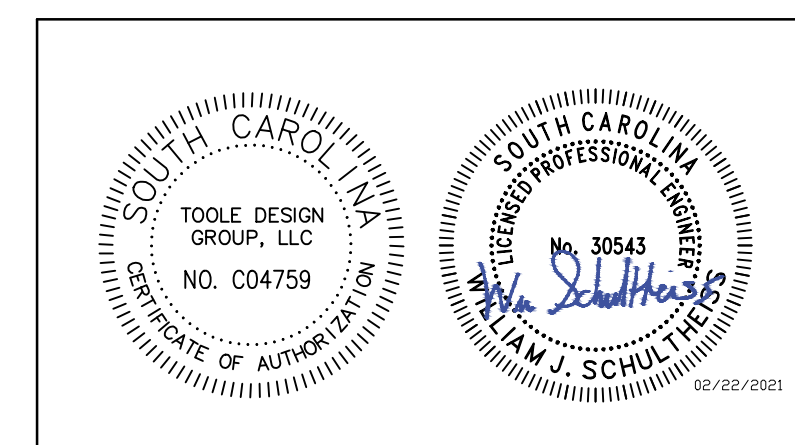
NOTES:
SEE SHEET D8 FOR DRAINAGE SCHEDULE.
ALL EXISTING INFRASTRUCTURE TO BE PROTECTED IN PLACE,
UNLESS OTHERWISE NOTED.
SEE SCDOT STD DRAWING
719-000-01,02,03,04
719-001-01,04,05
719-016-01,02,03
719-105-02
719-017-01
719-330-01,02
DRAINAGE STRUCTURE GENERAL NOTES
CATCH BASIN TYPE I DETAIL
CATCH BASIN TYPE I6 DETAIL
DROP INLET DETAIL
CATCH BASIN TYPE I7 DETAIL
JUNCTION BOX DETAIL

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEET



LEGEND

	ASPHALT PAVEMENT
	CONCRETE SIDEWALK
	DIRECTION OF TRAVEL



TOOLE DESIGN
172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

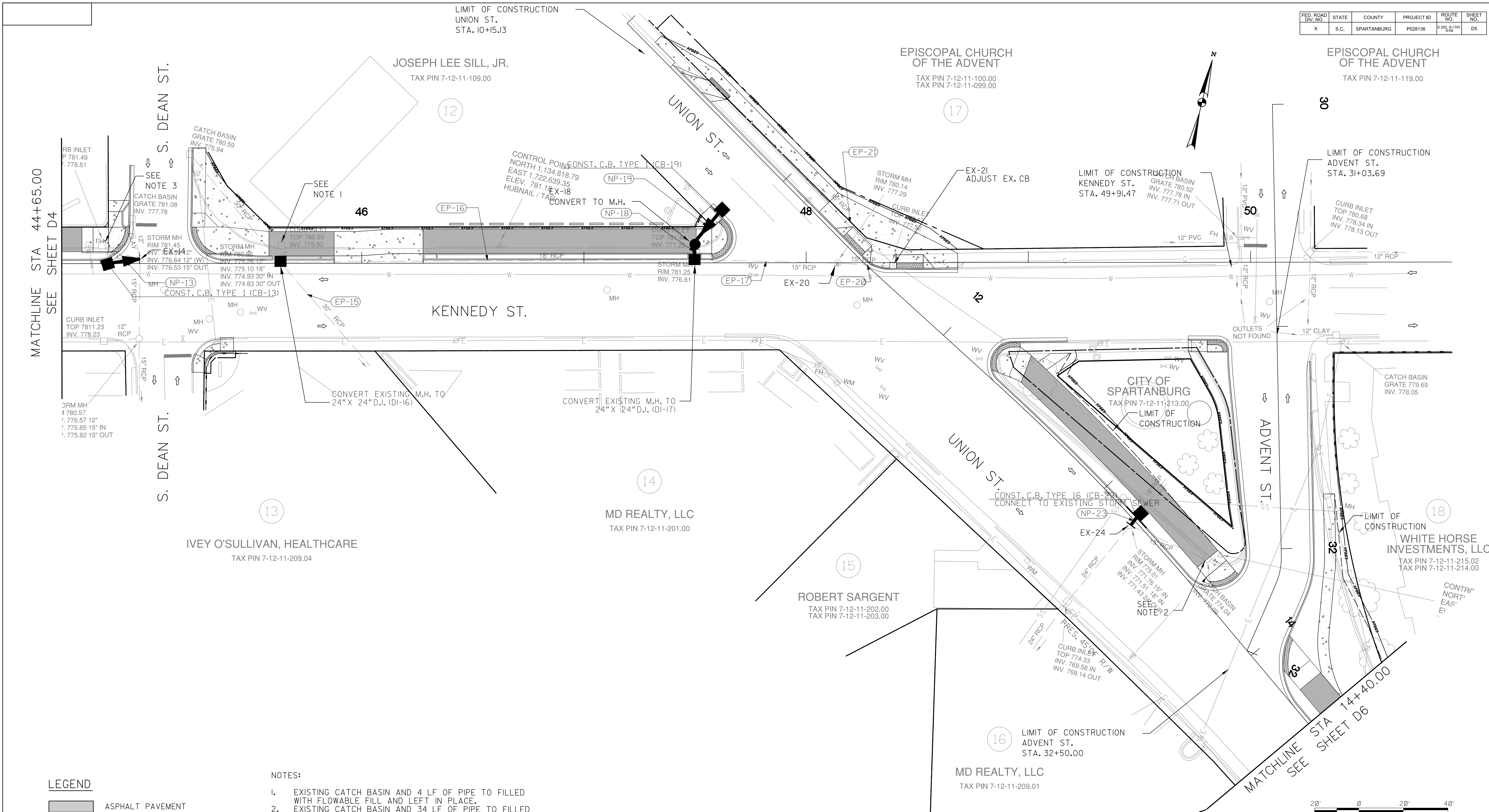
4			
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	SQUAD
R/W		DATE	

MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

DRAINAGE SHEET
4 OF 7

SCALE 1"= 20' SHEET NO. D4

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	8250, S-1707, S-56	D5



MATCHLINE STA 44+65.00
SEE SHEET D4

MATCHLINE STA 14+40.00
SEE SHEET D6

LEGEND

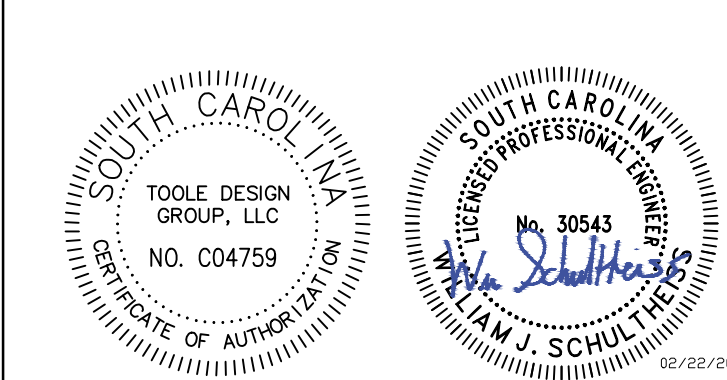
- ASPHALT PAVEMENT
- CONCRETE SIDEWALK
- DIRECTION OF TRAVEL

NOTES:

1. EXISTING CATCH BASIN AND 4 LF OF PIPE TO BE FILLED WITH FLOWABLE FILL AND LEFT IN PLACE.
2. EXISTING CATCH BASIN AND 34 LF OF PIPE TO BE FILLED WITH FLOWABLE FILL AND LEFT IN PLACE.
3. EX. CATCH BASIN AND 15 LF OF 12" CLAY PIPE TO BE FILLED WITH FLOWABLE FILL AND LEFT IN PLACE.
4. SEE SHEET D8 FOR DRAINAGE SCHEDULE.
5. ALL EXISTING INFRASTRUCTURE TO BE PROTECTED IN PLACE, UNLESS OTHERWISE NOTED.
6. SEE SCDOT STD DRAWING 719-000-01,02,03,04
719-001-01,04,05
719-016-01,02,03
719-105-02
719-017-01
719-330-01,02

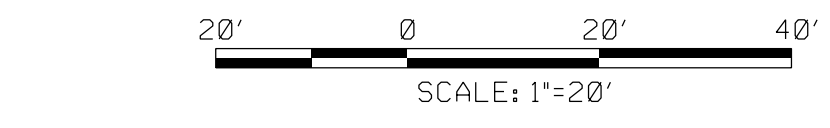
DRAINAGE STRUCTURE GENERAL NOTES
 CATCH BASIN TYPE 1 DETAIL
 CATCH BASIN TYPE 16 DETAIL
 DROP INLET DETAIL
 CATCH BASIN TYPE 17 DETAIL
 JUNCTION BOX DETAIL

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEET



TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

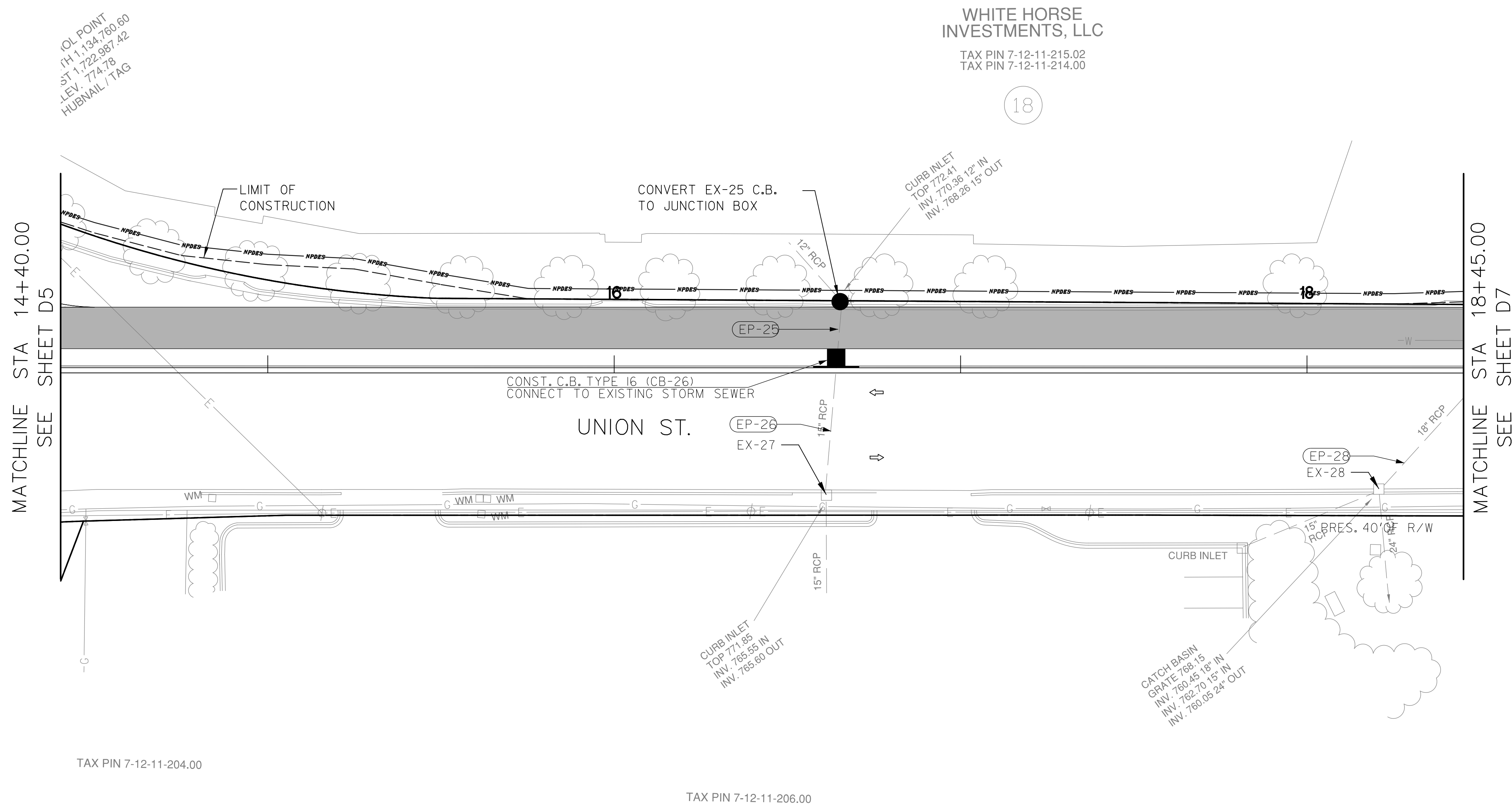
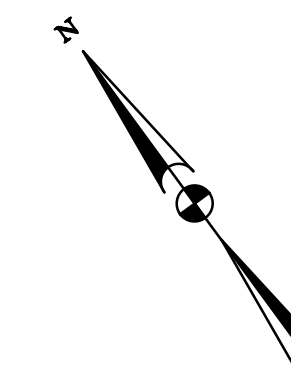
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REV. NO.	BY	DATE	DATE	DESCRIPTION OF REVISION
TOPO.		DATE		
DWG.		DATE		
R/W		DATE		



MARY BLACK
 RAIL TRAIL EXTENSION
 SPARTANBURG, SC

DRAINAGE SHEET
 5 OF 7

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707 S-56	D6



COL POINT
 FH 113A-760.60
 ST 1722-987.42
 LEV. 774.78
 HUBMAIL / TAG

WHITE HORSE INVESTMENTS, LLC
 TAX PIN 7-12-11-215.02
 TAX PIN 7-12-11-214.00

18

MATCHLINE STA 14+40.00
 SEE SHEET D5

MATCHLINE STA 18+45.00
 SEE SHEET D7

TAX PIN 7-12-11-204.00

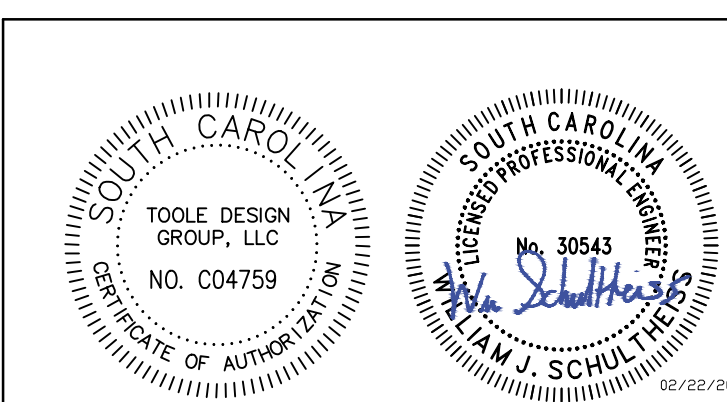
TAX PIN 7-12-11-206.00

- NOTES:
- SEE SHEET D8 FOR DRAINAGE SCHEDULE.
 - ALL EXISTING INFRASTRUCTURE TO BE PROTECTED IN PLACE, UNLESS OTHERWISE NOTED.
 - SEE SCDOT STD DRAWING
 719-000-01,02,03,04 DRAINAGE STRUCTURE GENERAL NOTES
 719-001-01,04,05 CATCH BASIN TYPE 1 DETAIL
 719-016-01,02,03 CATCH BASIN TYPE 16 DETAIL
 719-105-02 DROP INLET DETAIL
 719-017-01 CATCH BASIN TYPE 17 DETAIL
 719-330-01,02 JUNCTION BOX DETAIL

LEGEND

	ASPHALT PAVEMENT
	CONCRETE SIDEWALK
	DIRECTION OF TRAVEL

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEET



TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

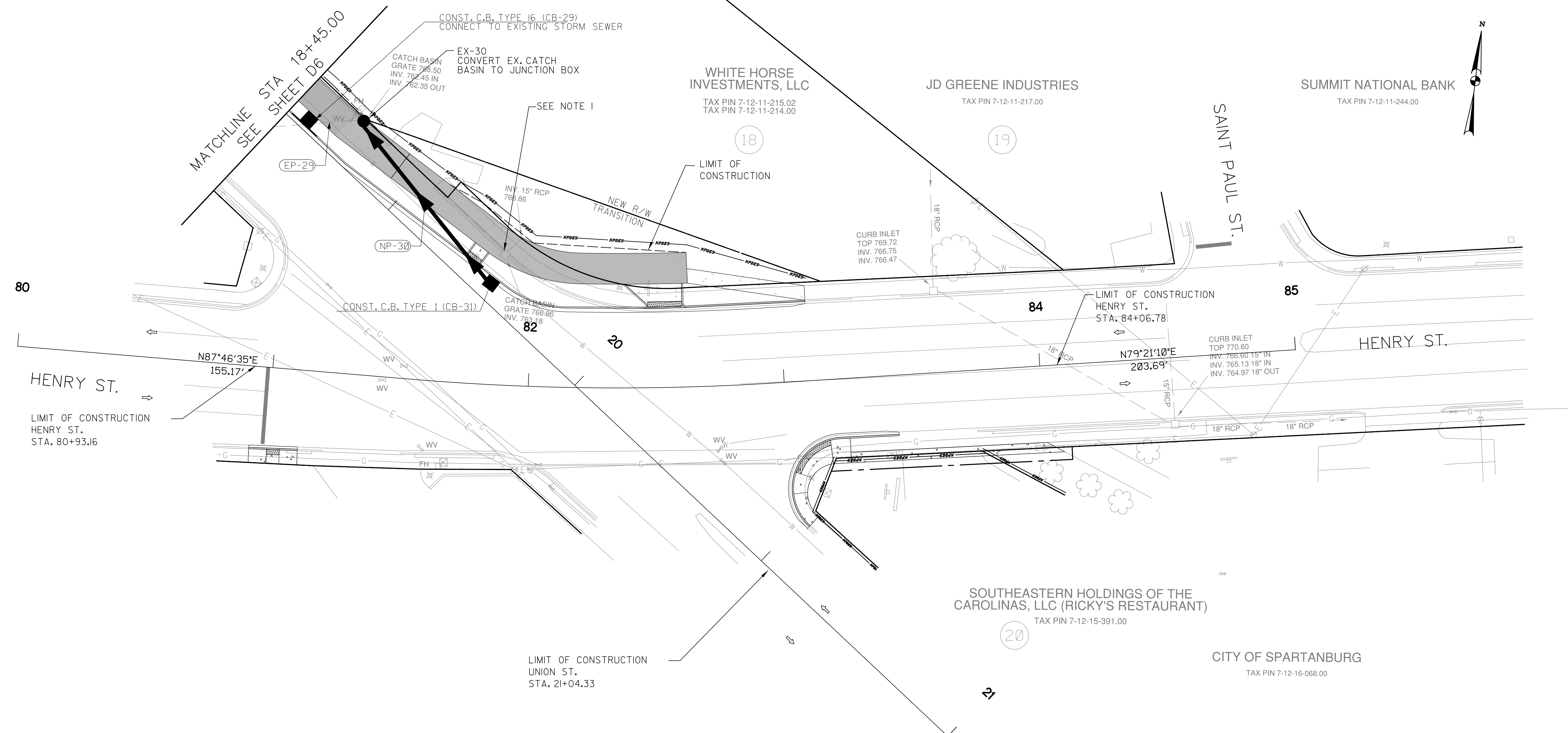
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TOPO.		DATE	
DWG.		DATE	SQUAD
R/W		DATE	

MARY BLACK RAIL TRAIL EXTENSION
 SPARTANBURG, SC

DRAINAGE SHEET
 6 OF 7

SCALE 1"= 20' SHEET NO. D6

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	8250, S-1707, S-56	D7

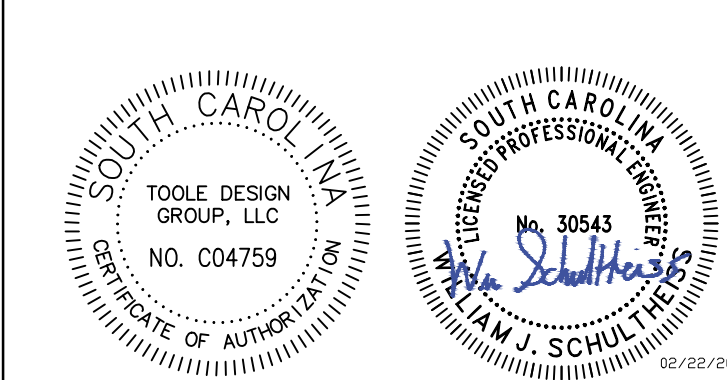


- NOTES:**
- EX. CATCH BASIN AND 73 LF OF 15" RCP TO BE FILLED WITH FLOWABLE FILL AND LEFT IN PLACE.
 - SEE SHEET D8 FOR DRAINAGE SCHEDULE.
 - ALL EXISTING INFRASTRUCTURE TO BE PROTECTED IN PLACE, UNLESS OTHERWISE NOTED.
 - SEE SCDOT STD DRAWING

DRAINAGE STRUCTURE GENERAL NOTES
 CATCH BASIN TYPE 1 DETAIL
 CATCH BASIN TYPE 16 DETAIL
 DROP INLET DETAIL
 CATCH BASIN TYPE 17 DETAIL
 JUNCTION BOX DETAIL

- LEGEND**
- ASPHALT PAVEMENT
 - CONCRETE SIDEWALK
 - DIRECTION OF TRAVEL

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEET



TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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MARY BLACK RAIL TRAIL EXTENSION SPARTANBURG, SC

DRAINAGE SHEET 7 OF 7

SCALE 1"= 20' SHEET NO. D7

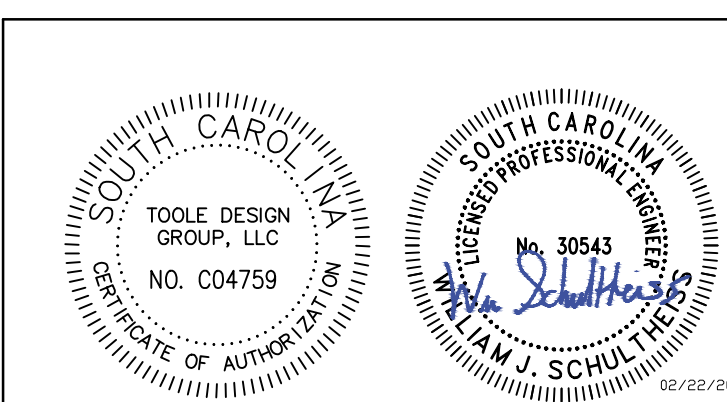
DRAINAGE STRUCTURES

Smooth																						
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	RCP Highest Class	Built	SRAP Thickest Gage
1	EP-1	12	1	18.03	0.50	CB-2	C.B. TYPE 16	61+07.99	796.32	EX-1	OP	60+96.25	796.23	2.99	3.07		10					
1	NP-2	12	1	103.27	3.56	CB-3	C.B. TYPE 16	62+15.17	800.00	CB-2	C.B. TYPE 16	61+07.99	796.32	2.99	3.43		10					
2	EP-4	15	1	58.62	0.50	EX-4	EXISTING CATCH BASIN	69+22.36	809.33	EX-5	EXISTING M.H.	69+41.44	809.03	0.98	1.30		10					
2	EP-5	15	1	31.09	9.00	EX-5	EXISTING M.H.	69+41.44	809.03	EX-6	EXISTING CATCH BASIN	69+49.52	806.23	0.98	4.40		10					
3	NP-7	18	1	34.42	0.58	CB-7	C.B. TYPE 16	71+96.56	798.39	EX-8	EXISTING CATCH BASIN	72+18.60	798.03	2.86	3.05		10					
3	EP-8	18	1	67.73	1.02	EX-8	EXISTING CATCH BASIN	72+18.60	798.03	EX-9	M.H. TO D.I.	72+79.18	797.34	2.86	3.14		10					
4	NP-10	15	1	18.09	1.11	CB-10	C.B. TYPE 1	77+10.08	791.70	EX-11	EXISTING CATCH BASIN	77+05.47	791.35	2.46	2.84		10					
4	EP-11	15	1	38.18	0.50	EX-11	EXISTING CATCH BASIN	77+05.47	791.35	EX-12	OP	77+43.62	791.16	1.19	2.84		10					
5	NP-13	15	1	12.76	0.86	CB-13	C.B. TYPE 1	44+84.97	776.75	EX-14	OP	45+00.24	776.64	3.56	3.64		10					
6	EP-15	30	1	34.95	0.52	DI-16	D.I. 24"X24"	45+63.44	774.83	EX-15	OP	45+87.07	774.65	3.27	3.32		10					
6	EP-16	18	1	182.35	0.91	DI-17	D.I. 24"X24"	47+49.79	776.76	DI-16	D.I. 24"X24"	45+63.44	774.83	3.14	4.32		10					
6	EP-17	15	1	60.58	0.79	EX-20	M.H.	48+14.19	777.29	DI-17	D.I. 24"X24"	47+49.79	776.76	2.91	3.39		10					
6	NP-18	18	1	3.03	16.15	EX-18	C.B. TO M.H.	47+50.01	777.25	DI-17	D.I. 24"X24"	47+49.79	776.76	2.65	3.14		10					
6	NP-19	18	1	16.24	1.54	CB-19	C.B. TYPE 1	47+60.51	777.50	EX-18	C.B. TO M.H.	47+50.01	777.25	2.65	2.72		10					
6	EP-20	15	1	23.35	0.99	EX-21	EXISTING CATCH BASIN	48+39.35	777.52	EX-20	M.H.	48+14.19	777.29	0.37	2.91		10					
6	EP-21	15	1	55.05	0.50	EX-22	EXISTING D.I.	48+00.34	777.80	EX-21	EXISTING CATCH BASIN	48+39.35	777.52	0.37	2.54		10					
7	NP-23	18	1	5.35	0.50	CB-23	C.B. TYPE 16	13+19.33	771.54	EX-24	EXISTING M.H.	13+20.23	771.51	1.94	2.00		10					
8	EP-25	15	1	12.33	5.12	EX-25	C.B. TO J.B.	16+65.55	768.26	CB-26	C.B. TYPE 16	16+64.08	767.43	2.88	3.63		10					
8	EP-26	15	1	36.67	5.12	CB-26	C.B. TYPE 16	16+64.08	767.43	EX-27	OP	16+61.19	765.55	3.63	4.99		10					
9	EP-28	18	1	47.77	2.81	CB-29	C.B. TYPE 16	18+53.22	761.79	EX-28	OP	18+20.74	760.45	5.87	6.80		10					
9	EP-29	18	1	18.01	2.81	EX-30	C.B. TO J.B.	18+69.27	762.35	CB-29	C.B. TYPE 16	18+53.22	761.79	4.69	5.87		10					
9	NP-30	18	1	77.32	0.97	CB-31	C.B. TYPE 1	19+48.65	763.20	EX-30	C.B. TO J.B.	18+69.27	762.35	2.37	4.69		10					

NOTES:

THE FOLLOWING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SCDOT STD. DRAWINGS:

- 719-000-01,02,03,04 DRAINAGE STRUCTURE GENERAL NOTES
- 719-001-01,04,05 CATCH BASIN TYPE 1 DETAIL
- 719-016-01,02,03 CATCH BASIN TYPE 16 DETAIL
- 719-105-01,02 DROP INLET DETAIL
- 719-017-01 CATCH BASIN TYPE 17 DETAIL
- 719-330-01,02 JUNCTION BOX DETAIL



TOOLE DESIGN

172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	SQUAD
RW		DATE	

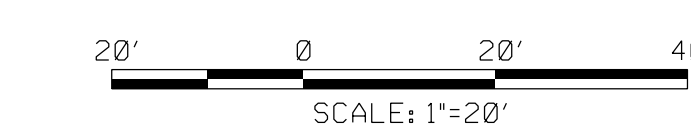
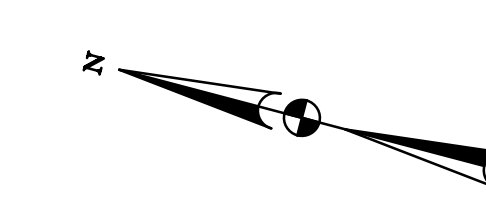
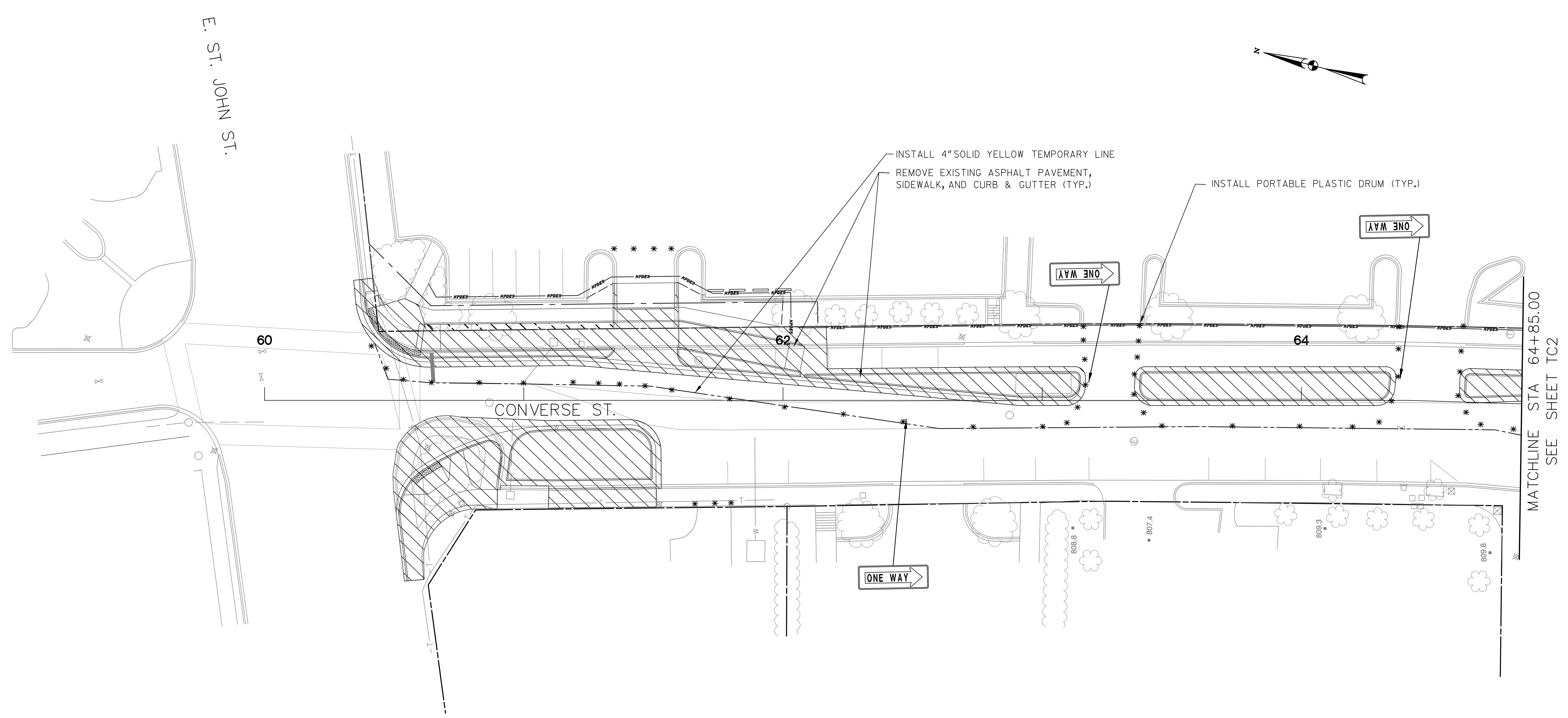
MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

DRAINAGE SCHEDULE

SCALE 1"=

SHEET NO. D8

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707, S-56	TC1



TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

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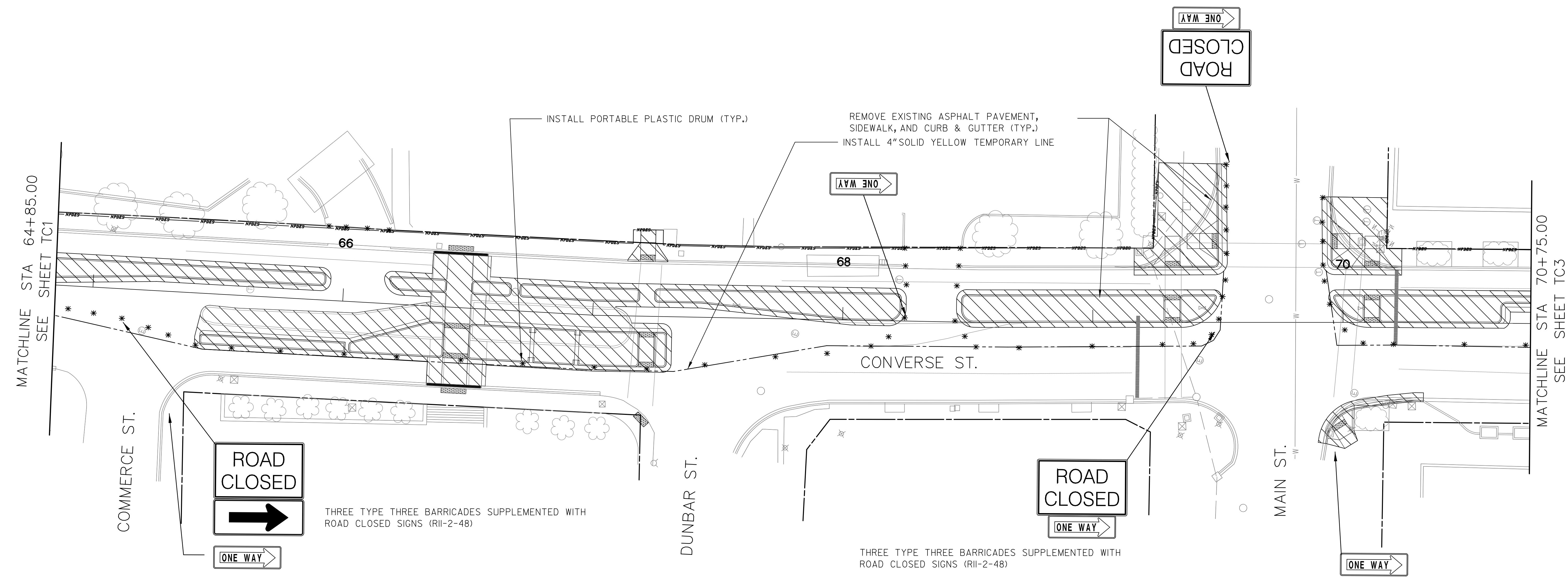
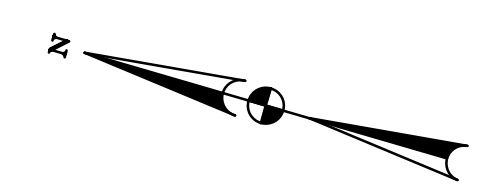
MARY BLACK
 RAIL TRAIL EXTENSION
 SPARTANBURG, SC

TRAFFIC CONTROL SHEET
 1 OF 7

SCALE 1"= 20' SHEET NO. TC1

MATCHLINE STA 64+85.00
 SEE SHEET TC2

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707, S-56	TC2



THREE TYPE THREE BARRICADES SUPPLEMENTED WITH ROAD CLOSED SIGNS (RII-2-48)

THREE TYPE THREE BARRICADES SUPPLEMENTED WITH ROAD CLOSED SIGNS (RII-2-48)

NOTE:
SEE SCDOT STANDARD DRAWING 610-515-00 FOR ROAD CLOSURE SIGANCE.



TOOLE DESIGN GROUP, LLC
 NO. C04759
 LICENSED PROFESSIONAL ENGINEER
 WILLIAM J. SCHUIT
 02/22/2021

TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

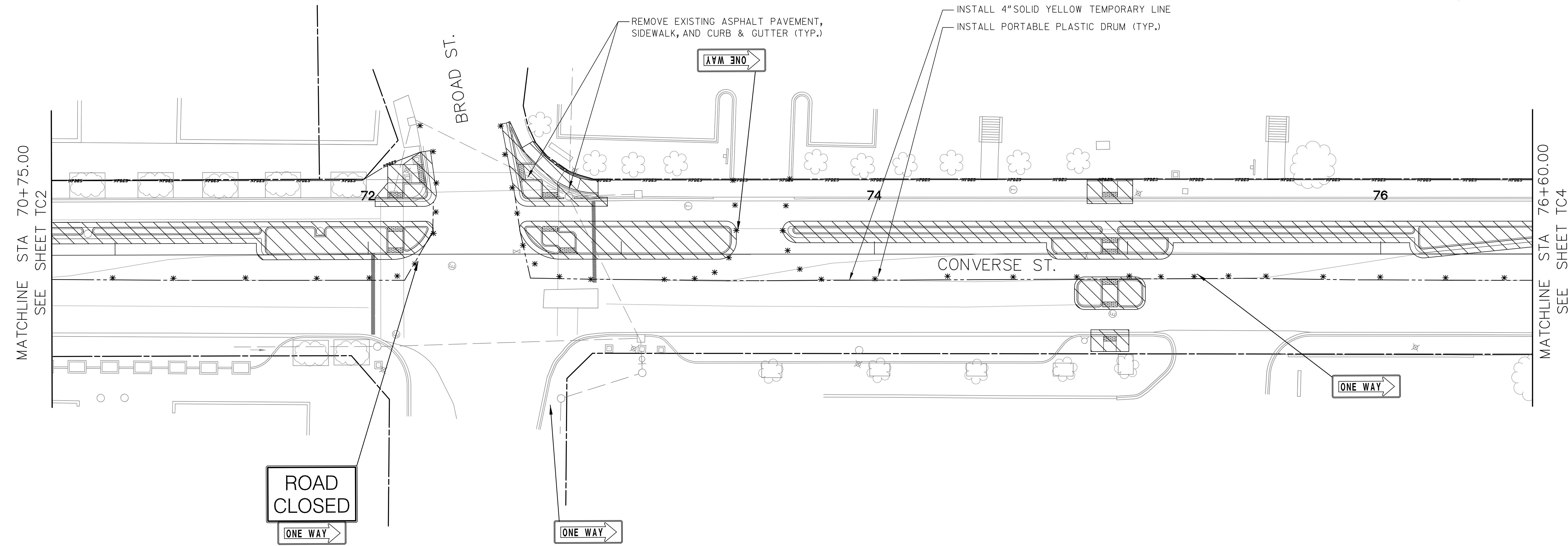
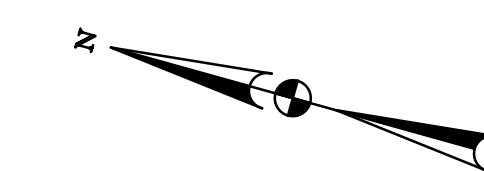
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DWG.		DATE	SQUAD	
R/W		DATE		

MARY BLACK
 RAIL TRAIL EXTENSION
 SPARTANBURG, SC

 TRAFFIC CONTROL SHEET
 2 OF 7

 SCALE 1"= 20' SHEET NO. TC2

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707 S-56	TC3



THREE TYPE THREE BARRICADES SUPPLEMENTED WITH ROAD CLOSED SIGNS (R11-2-48)



WILLIAM J. SCHUIT
No. 30543
02/22/2021

TOOLE DESIGN GROUP, LLC
No. C04759

TOOLE

DESIGN

172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

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MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

TRAFFIC CONTROL SHEET
3 OF 7

SCALE 1"= 20'
SHEET NO. TC3

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707 S-56	TC4

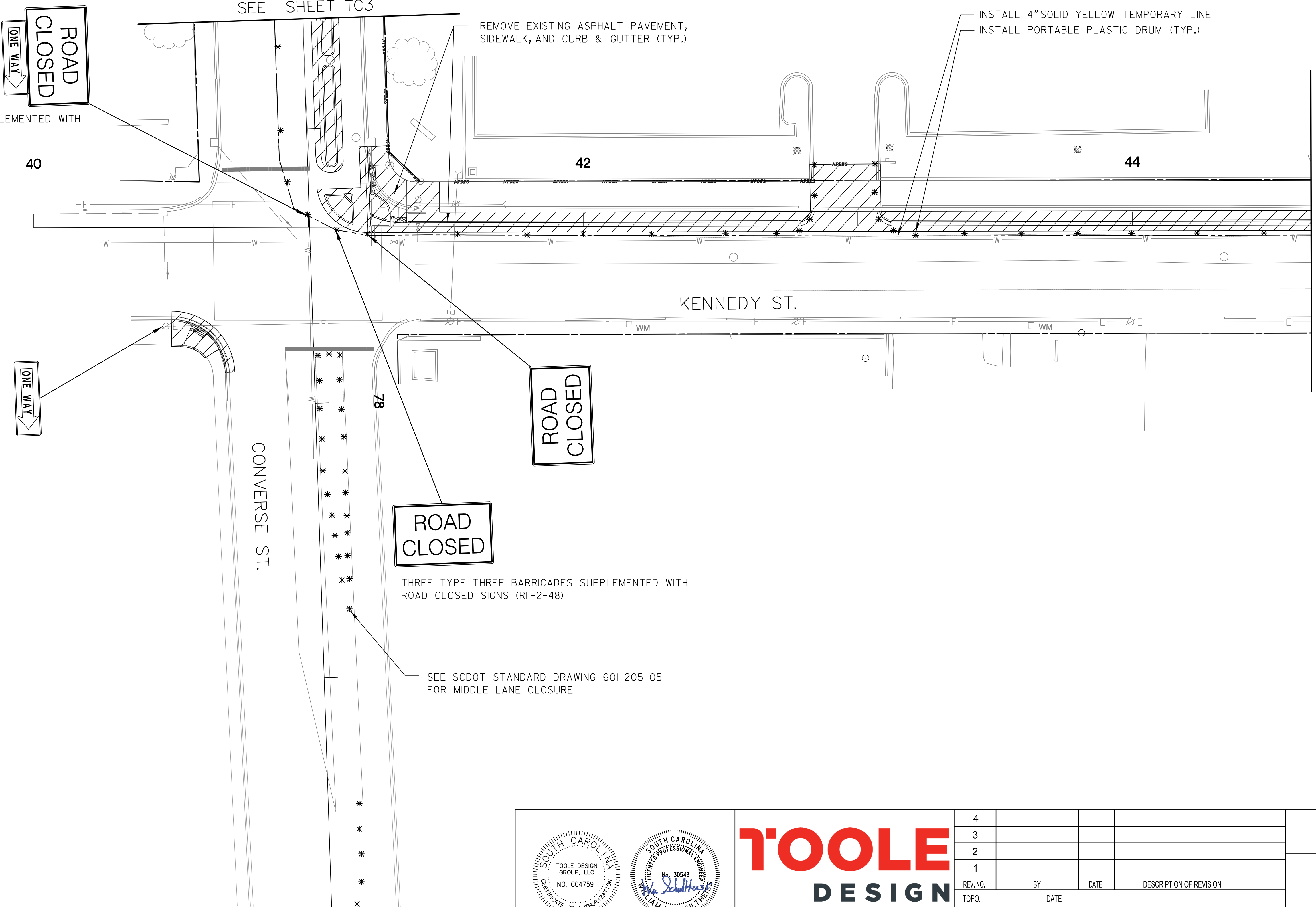


MATCHLINE STA 76+60.00
SEE SHEET TC3

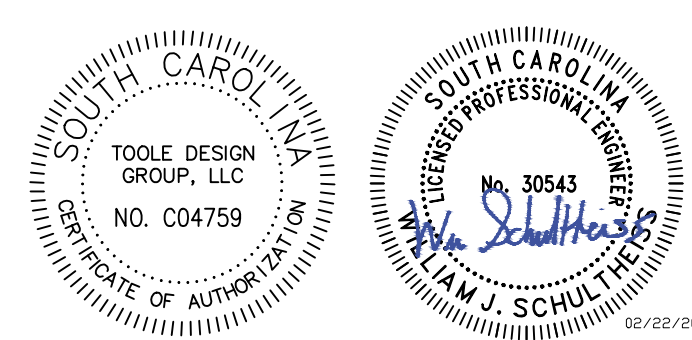
THREE TYPE THREE BARRICADES SUPPLEMENTED WITH ROAD CLOSED SIGNS (RII-2-48)

REMOVE EXISTING ASPHALT PAVEMENT, SIDEWALK, AND CURB & GUTTER (TYP.)

INSTALL 4" SOLID YELLOW TEMPORARY LINE
INSTALL PORTABLE PLASTIC DRUM (TYP.)



MATCHLINE STA 44+65.00
SEE SHEET TC5



TOOLE DESIGN
172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

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MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

TRAFFIC CONTROL SHEET
4 OF 7

SCALE 1"= 20' SHEET NO. TC4

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707, S-56	TC5

MATCHLINE STA 44+65.00
SEE SHEET TC4

DEAN ST.

46

KENNEDY ST.

ONE WAY

UNION ST.

ONE WAY

ONE WAY

ADVENT ST.

30

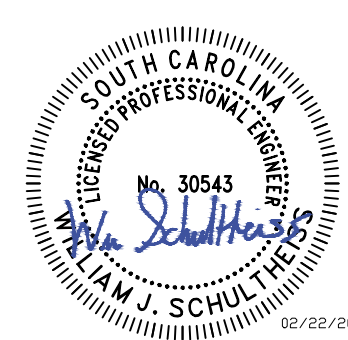
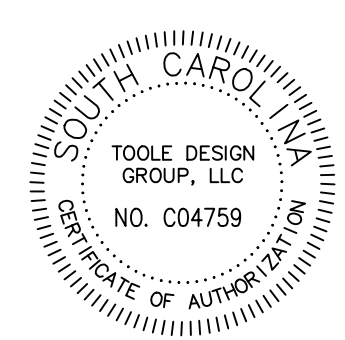
MATCHLINE STA 14+40.00
SEE SHEET TC6

REMOVE EXISTING ASPHALT PAVEMENT,
SIDEWALK, AND CURB & GUTTER (TYP.)

INSTALL PORTABLE PLASTIC DRUM (TYP.)
INSTALL 4" SOLID YELLOW TEMPORARY LINE

CATCH BASIN
GRATE 779.69
INV. 778.05

SCALE: 1"=20'



TOOLE
DESIGN
172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

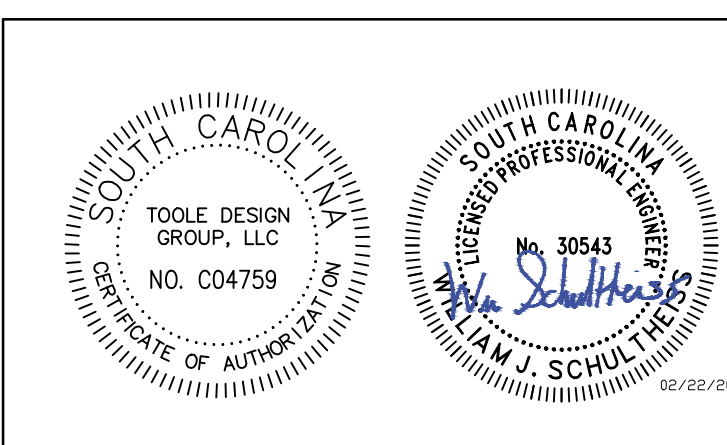
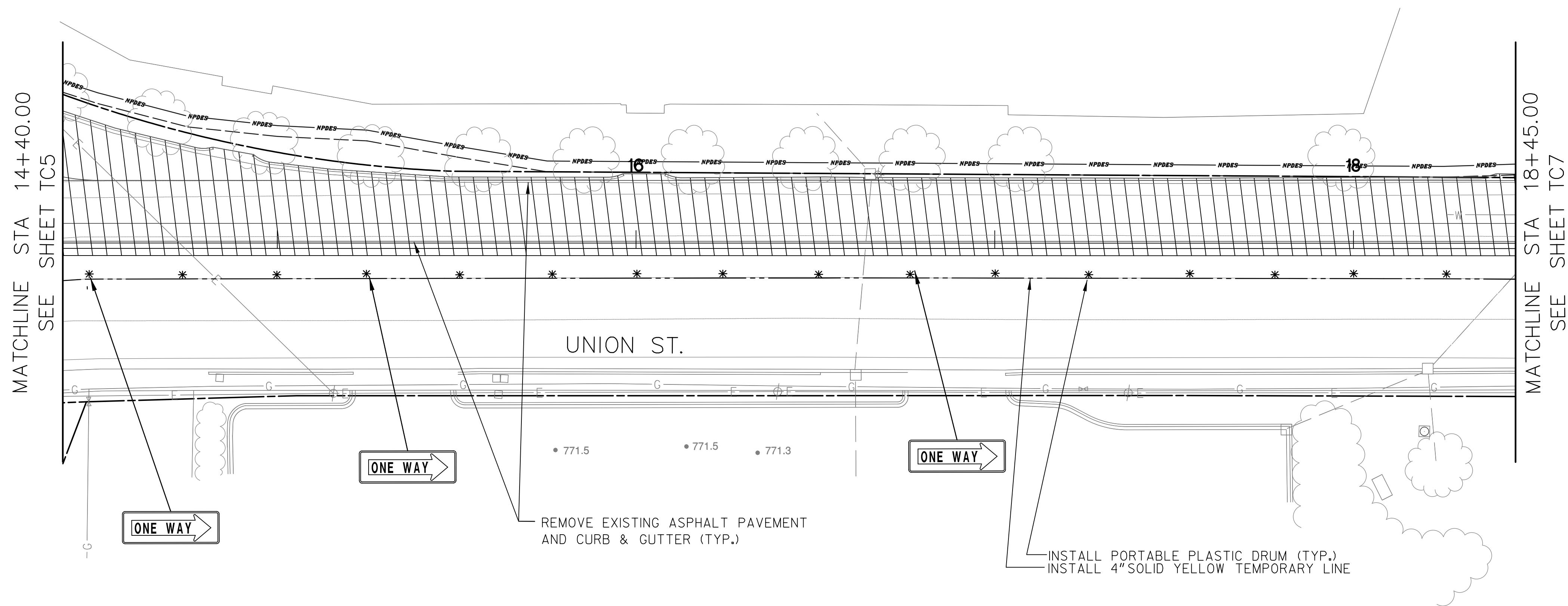
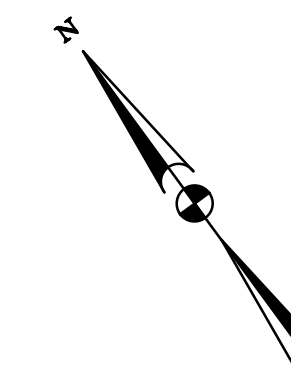
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DWG.		DATE	SQUAD	
R/W		DATE		

MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

TRAFFIC CONTROL SHEET
5 OF 7

SCALE 1"= 20' SHEET NO. TC5

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707 S-56	TC6



TOOLE
DESIGN
172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

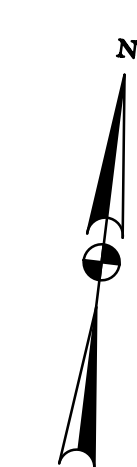
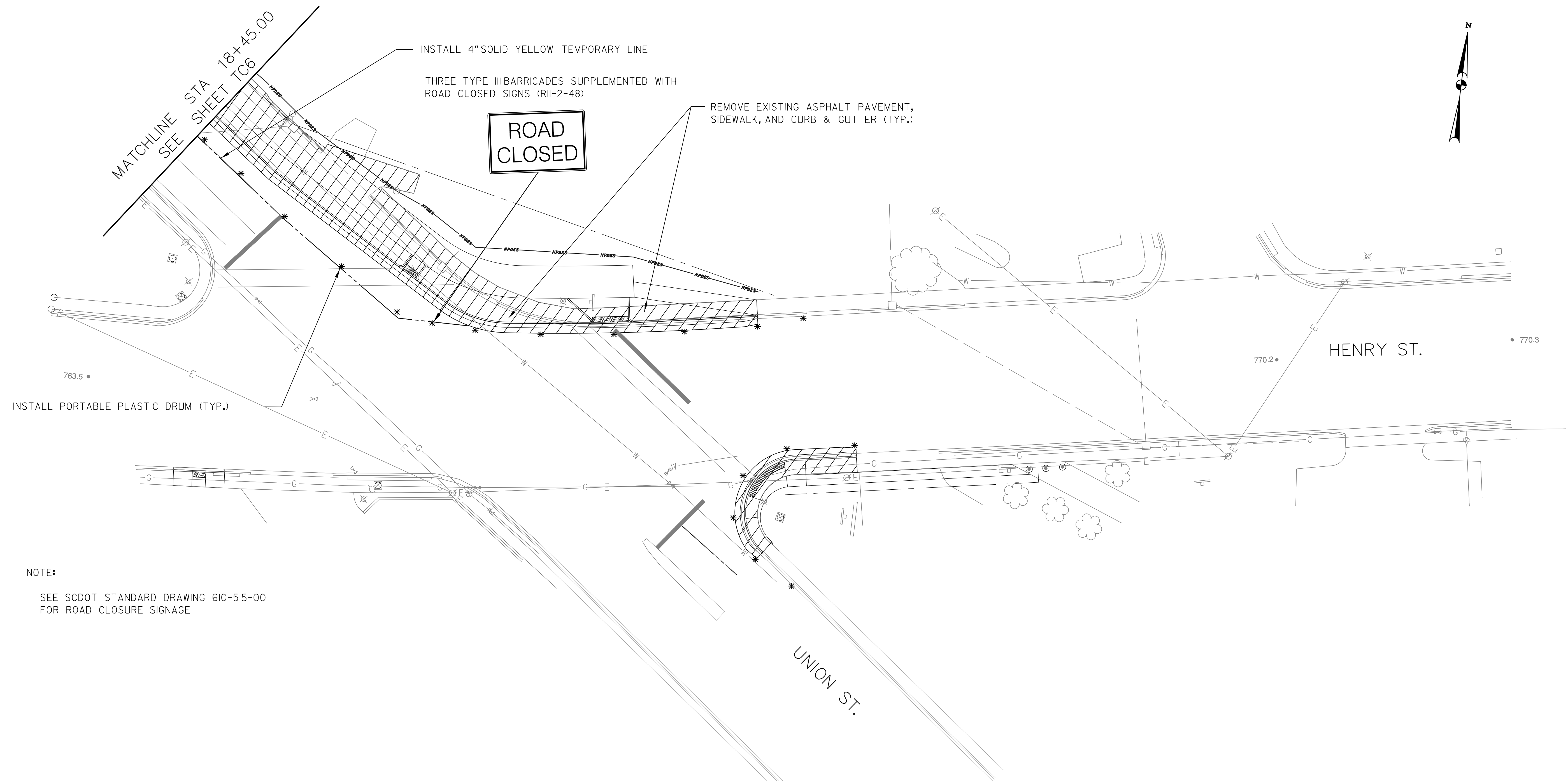
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REV. NO.	BY	DATE	DATE	DESCRIPTION OF REVISION
TOPO.		DATE		
DWG.		DATE		SQUAD
R/W		DATE		

MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

TRAFFIC CONTROL SHEET
6 OF 7

SCALE 1"= 20' SHEET NO. TC6

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707 S-56	TC7



NOTE:
SEE SCDOT STANDARD DRAWING 610-515-00 FOR ROAD CLOSURE SIGNAGE



SOUTH CAROLINA
TOOLE DESIGN GROUP, LLC
NO. C04759
STATE OF SOUTH CAROLINA

SOUTH CAROLINA
LICENSED PROFESSIONAL ENGINEER
No. 30543
WILLIAM J. SCHULTZ
02/22/2021

TOOLE DESIGN
172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

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

MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

TRAFFIC CONTROL SHEET
7 OF 7

SCALE 1"=20' SHEET NO. TC7

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	8250, S-1707, S-56	L1

PLANT LIST

Item #	Symbol	Qty	Botanical Name	Common Name	Size/Type	Spacing	Remarks
STREET TREES							
001	CB	10	<i>Carpinus betulus 'Fastigata'</i>	Upright European Hornbeam	1.75"-2" Cal. B&B	As Shown	Tree Form
002	CC	14	<i>Cercis reniformis 'Oklahoma'</i>	Oklahoma Redbud	1.75"-2" Cal. B&B	As Shown	Uniform Branching Pattern
003	UP	1	<i>Ulmus parvifolia 'UPMTF'</i>	Bosque Lacebark Elm	1.75"-2" Cal. B&B	As Shown	Uniform Branching Pattern
SHRUBS AND GROUNDCOVERS							
004	AA	83	<i>Annuals</i>	Annuals	4" Pot	18" O.C.	Seasonal Color
005	BM	281	<i>Buxus microphylla var. japonica 'Baby Gem'</i>	Baby Gem Boxwood	3 Gallon	As Shown	Dense Rounded Form
006	LN	86	<i>Lysimachia nummularia</i>	Creeping Jenny	4" Pot	As Shown	18" On Center
007	LS	3,025	<i>Liriope spicata</i>	Creeping Lily Turf	4" Pot	As Shown	18" On Center
008	LX	424	<i>Leucantherum x superbum 'Snowcap'</i>	Snowcap Shasta Daisy	4" Pot	As Shown	18" On Center
009	MM	107	<i>Buxus microphylla var. japonica 'Morris Midget'</i>	Morris Midget Boxwood	3 Gallon	As Shown	Dense Rounded Form
010	SH	1,011	<i>Sporobolus heterolepis</i>	Prairie dropseed	4" Pot	As Shown	18" On Center
011	SM	471	<i>Salvia sylvestris 'May Night'</i>	May Night Salvia	4" Pot	As Shown	18" On Center
SOD AND SEED							
012	SOD	397	<i>Fescue Sod</i>	Fescue Sod	Square Yard		
8100101	SEED	0.1	<i>Permanent Grassing of Small Project</i>	Fescue Seed	Acre		

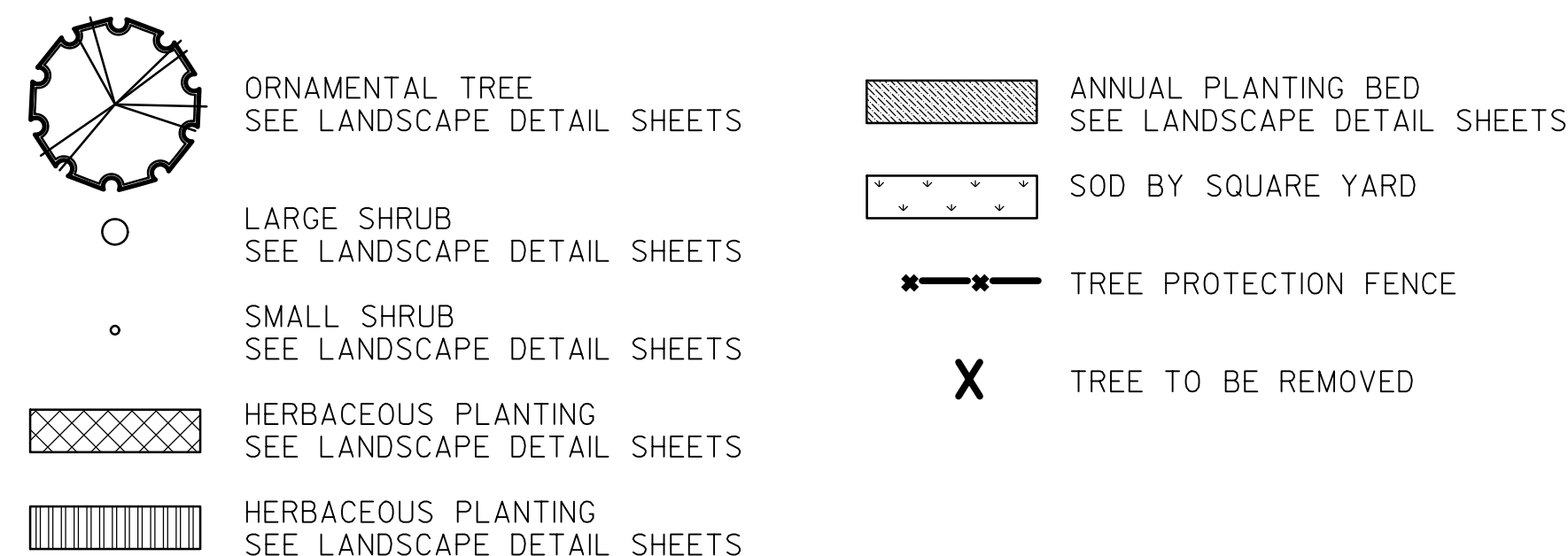
LANDSCAPE GENERAL NOTES

- CONTRACTOR SHALL DETERMINE TO HIS/HER OWN SATISFACTION THE LOCATIONS OF ALL EXISTING AND NEW UTILITIES PRIOR TO COMMENCEMENT OF OPERATIONS. CONTRACTOR SHALL BE HELD DIRECTLY RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.
- ALL TREES TO BE PLANTED A MINIMUM OF FIVE FEET FROM ALL UTILITIES AND DRAINAGE STRUCTURES.
- CONTRACTOR SHALL THOROUGHLY REVIEW THE SITE PRIOR TO COMMENCING OPERATIONS. NOTIFY THE CITY IMMEDIATELY OF ANY CONDITIONS DIFFERENT FROM THAT SHOWN ON THE PLANS. DO NOT PROCEED UNTIL FURTHER DIRECTION HAS BEEN GIVEN BY ENGINEER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR TIMELY COORDINATION AND COOPERATION WITH ALL OTHER CONTRACTORS THROUGHOUT THE CONSTRUCTION PROCESS.
- CONTRACTOR SHALL BE FAMILIAR WITH AND SHALL COMPLY WITH ALL REQUIREMENTS OF THE LOCAL MUNICIPALITY(IES) HAVING JURISDICTION. NOTIFY THE OWNER IMMEDIATELY OF ANY DISCREPANCY BETWEEN THE PLANS AND APPLICABLE CODES. DO NOT PROCEED UNTIL FURTHER DIRECTION HAS BEEN GIVEN BY ENGINEER.
- PLANT MATERIAL QUANTITIES PROVIDED ARE APPROXIMATE. CONTRACTOR SHALL CONFIRM THE ACTUAL NUMBER OF PLANTS REQUIRED FOR EACH SPECIES BASED ON THE PLANTING PLAN. SHOULD DISCREPANCIES BETWEEN THE PLANT MATERIALS LIST AND THE PLANTING PLAN OCCUR, THE PLANTING PLAN SHALL PREVAIL.
- PLANT MATERIAL SIZE LISTED SHALL BE CONSIDERED MINIMUM INSTALLATION SIZE.
- ALL PLANT MATERIAL SHALL MEET THE STANDARDS OF THE AMERICAN NURSERYMEN'S ASSOCIATION.
- PLANTS LISTED AS B&B MAY BE SUPPLIED IN CONTAINERS, SO LONG AS SPECIFIED SIZES ARE PROVIDED AND PLANTS HAVE BEEN CONTINUOUSLY CULTIVATED IN CONTAINERS.
- UNLESS OTHERWISE NOTED ON THE PLANS, PLANT LOCATIONS SHALL BE DETERMINED BY SCALING DRAWINGS. DESIGN INTENT SHALL BE MAINTAINED AT ALL TIMES.
- CONTRACTOR TO AVOID PLANTING PLANTS IN THE BOTTOM OF SWALES. SHIFT LOCATIONS SLIGHTLY AND UNIFORMLY TO AVOID PLACEMENT IN SWALES AND AS REQUIRED TO AVOID UTILITIES, LIGHTING, AND OTHER STRUCTURES.
- STAKE-OUT ALL TREES, AND THE OUTLINE OF ALL SHRUB, GROUNDCOVER, AND FLOWER BEDS PRIOR TO COMMENCING INSTALLATION. OBTAIN APPROVAL OF THE OWNER BEFORE COMMENCING INSTALLATION.
- ORIENT PLANT MATERIALS WITH THE BEST SIDE OF PLANT TO THE MOST PROMINENT VIEW.
- PRIOR TO MULCHING, APPLY COMMERCIAL PRE-EMERGENT HERBICIDE TO ALL PLANT BEDS PER MANUFACTURER RECOMMENDATIONS.
- SHRUB BEDS SHALL BE MULCHED IN THEIR ENTIRETY, TO THE DEPTH SPECIFIED FOR THE INDIVIDUAL SHRUB.
- FLOWER BEDS ARE TO BE PREPARED THE SAME AS GROUNDCOVER BEDS, WITH PLANTING MIXTURE AND MULCH. CONTRACTOR SHALL PROVIDE ONE INITIAL INSTALLATION OF ALL ANNUAL FLOWER BEDS.
- CONTRACTOR TO PROVIDE A COMPLETE IRRIGATION SYSTEM FOR ALL AREAS NOTED AS SOD, SEED, AND PLANTED AREAS. IRRIGATION SYSTEM SHALL BE INSTALLED AND FULLY OPERATIONAL BEFORE PROCEEDING WITH PLANT MATERIAL INSTALLATION. ALL PLANT MATERIAL AND SOD TO RECEIVE 100% IRRIGATION COVERAGE WITH A MINIMUM OF 15% OVERLAP FROM EVERY ROTARY NOZZLE.
- CONTRACTOR TO PROVIDE IRRIGATION SHOP DRAWING FOR REVIEW PRIOR TO INSTALLATION.
- CONTRACTOR IS PERMITTED TO USE BOTH ROTOR AND DRIP IRRIGATION. NO WATER SHALL BE PERMITTED TO DRAIN OR SPARY ONTO ROADWAY.
- ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION.
- ALL SURFACES NOT LABELED TO RECEIVE 3" LAYER OF HARDWOOD MULCH.
- ALL PLANT MATERIAL (NEW AND TRANSPLANTED) SHALL BE GUARANTEED FOR A ONE YEAR PERIOD FOLLOWING ACCEPTANCE BY THE OWNER. REPLACEMENTS SHALL RECEIVE A ONE YEAR GUARANTEE FROM TIME OF REPLACEMENT PLANTING.

TREE PROTECTION FENCING

- ALL EXISTING STREET TREES, TO REMAIN WITHIN A WORK ZONE UNTIL A PROJECT IS COMPLETED, REQUIRE THE FOLLOWING AS TREE PROTECTION. IF FOR ANY REASON THE SCOPE OF THE PROJECT REQUIRES WORK TO BE PERFORMED WITHIN THE FENCED PROTECTION ZONE, THE CONTRACTOR MUST CONTACT THE RCE AND CITY ARBORIST BEFORE ENTERING.
 - FOUR (4) FOOT TALL HIGH DENSITY POLYETHYLENE FENCING ON ALL SIDES.
 - INSTALL FENCING PRIOR TO AND MAINTAIN THROUGHOUT CONSTRUCTION, REMOVING ONLY AT THE END OF THE PROJECT.
 - FENCING SHALL PROTECT AN AREA NO SMALLER THAN FOUR (4) FEET BY NINE (9) FEET, CENTERED ON THE TREE, OR ENCLOSE MULTIPLE STREET TREES WHEN IN A CONTINUOUS, OPEN TREE PLANTING SPACE, AND SITE ACCESS ALLOWS.
 - FENCING SHALL HAVE VERTICAL STEEL POSTS SPACED NO MORE THAN 9' TO DECREASE FLEXIBILITY AND PREVENT SAGGING.
 - FENCE POSTS SHALL BE ANCHORED IN THE GROUND TO PREVENT MOVEMENT AND PROVIDE A SECURE BARRIER.
 - A MINIMUM OF TWO (2) TREE PRESERVATION SIGNS SHALL BE MOUNTED TO THE FENCE OF EACH ENCLOSED TREE PROTECTION AREA.
- NO INSTALLATION OF SILT FENCE/SUPER SILT FENCE, TRENCHING, ALTERATION OR DISTURBANCE TO EXISTING GRADE; STAGING/STORAGE OF CONSTRUCTION MATERIALS, EQUIPMENT, SOIL, OR DEBRIS; DISPOSAL OF ANY MATERIALS SUCH AS CONCRETE, GAS, OIL, PAINT, OR BLACKTOP IS ALLOWED WITHIN THE FENCED TREE PROTECTION ZONE.
- EXCAVATIONS WITHIN THE DRIPLINE SHALL PROCEED WITH CARE BY USE OF HAND TOOLS. THE DRIPLINE IS DEFINED AS THE GROUND AREA UNDER THE CANOPY OF THE TREE.
- NO ROOTS LARGER THAN TWO (2) INCHES IN DIAMETER ARE TO BE CUT WITHOUT CITY ARBORIST PERMISSION.
- EXPOSED ROOTS TWO (2) INCHES AND LARGER IN DIAMETER SHALL BE WRAPPED IN BURLAP OR OTHER APPROVED MATERIAL AND KEPT MOIST AT ALL TIMES.
- TREES THAT ARE PROTECTED ARE TO BE WATERED EVERY TEN (10) DAYS FROM APRIL THROUGH SEPTEMBER.
- FOR ANY QUESTIONS, CALL THE CITY OF SPARTANBURG ARBORIST.

LEGEND



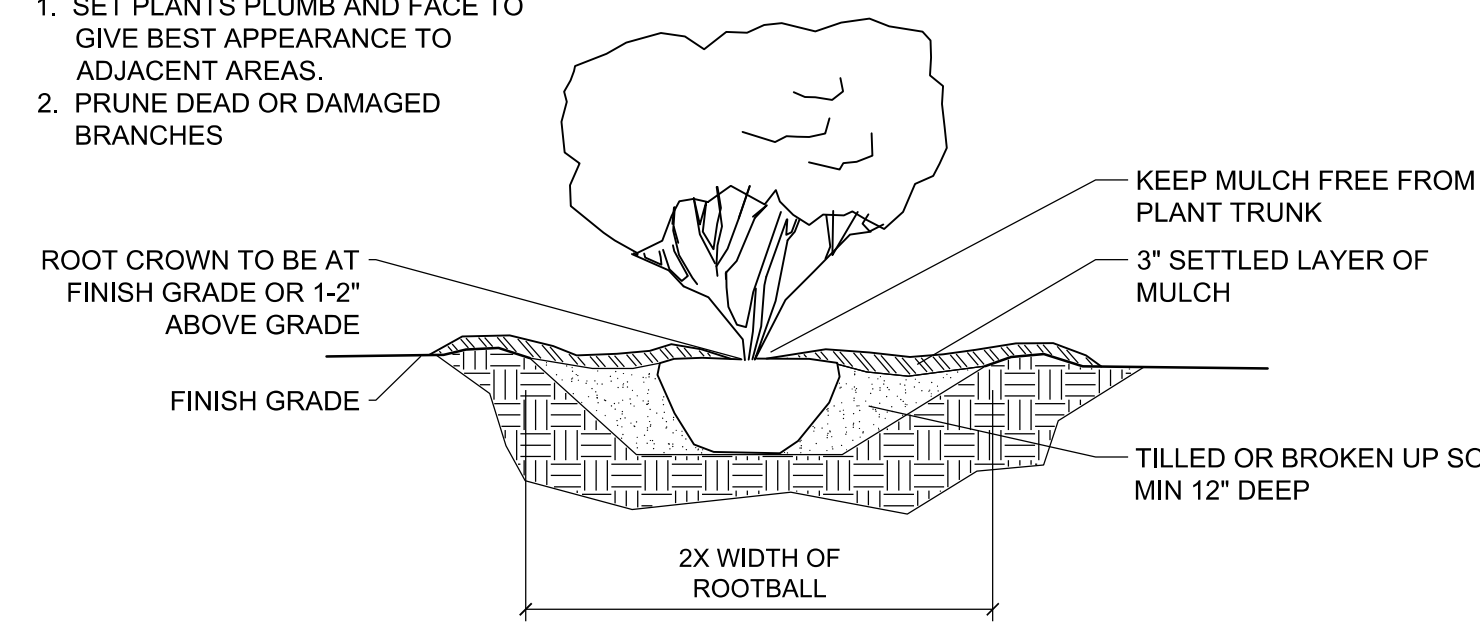
SIGHT TRIANGLE CALCULATIONS

LEFT TURN
 ISD = 1.47 X 25 X 8
 DESIGN SPEED = 25 MPH
 NUMBER OF LANES = 3 LANE DIVIDED
 GAP ACCEPTANCE TIME = 8 SECONDS
 ISD = 294'

RIGHT TURN
 ISD = 1.47 X 25 X 7.5
 DESIGN SPEED = 25 MPH
 NUMBER OF LANES = 3 LANE DIVIDED
 GAP ACCEPTANCE TIME = 7.5 SECONDS
 ISD = 275'

NOTES:

- SET PLANTS PLUMB AND FACE TO GIVE BEST APPEARANCE TO ADJACENT AREAS.
- PRUNE DEAD OR DAMAGED BRANCHES

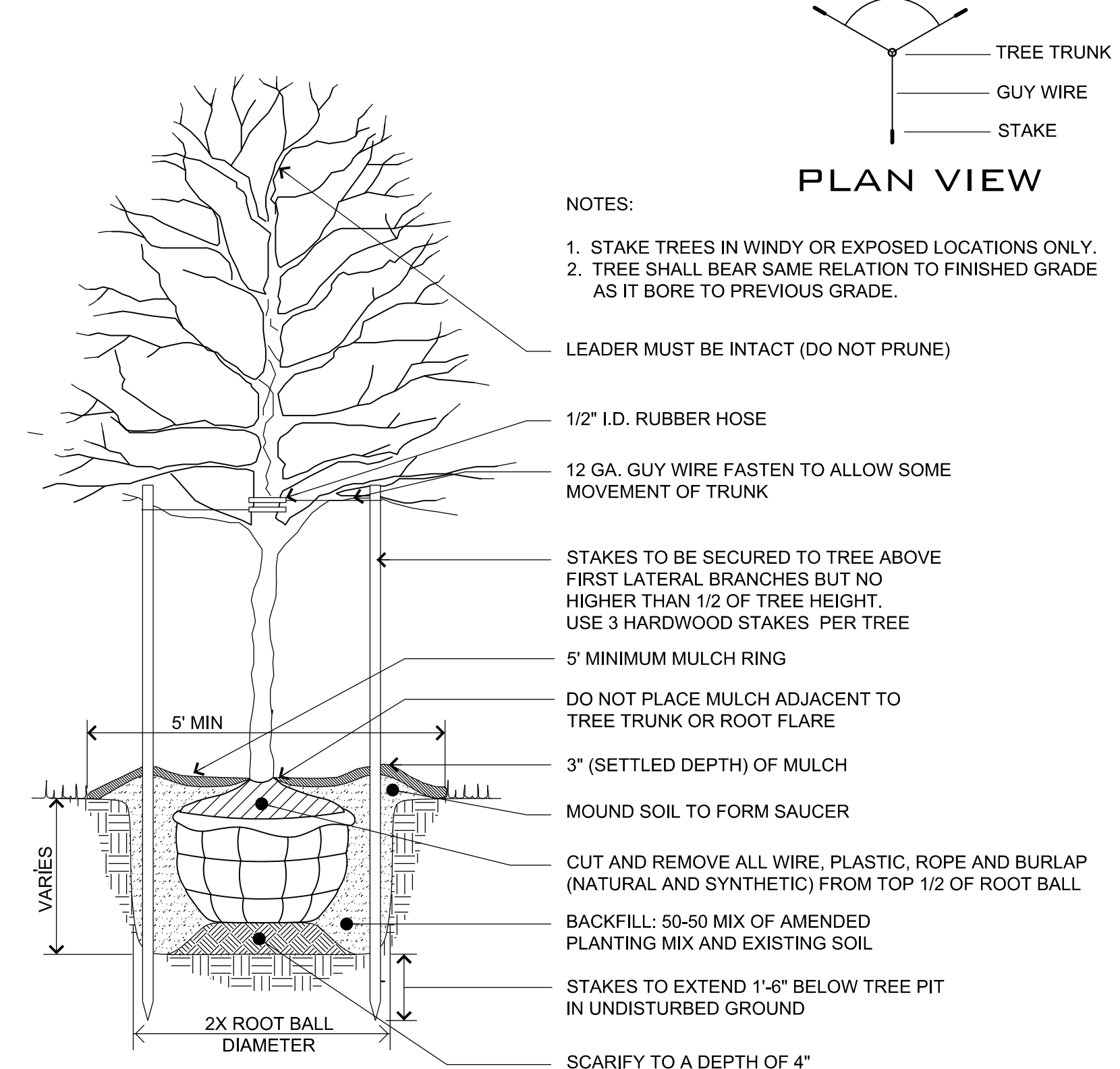


1 L1 SHRUB PLANTING

NOT TO SCALE

2 L2 TREE PLANTING

NOT TO SCALE



NOTES:

- STAKE TREES IN WINDY OR EXPOSED LOCATIONS ONLY.
- TREE SHALL BEAR SAME RELATION TO FINISHED GRADE AS IT BORE TO PREVIOUS GRADE.

LEADER MUST BE INTACT (DO NOT PRUNE)

1/2" I.D. RUBBER HOSE

12 GA. GUY WIRE FASTEN TO ALLOW SOME MOVEMENT OF TRUNK

STAKES TO BE SECURED TO TREE ABOVE FIRST LATERAL BRANCHES BUT NO HIGHER THAN 1/2 OF TREE HEIGHT. USE 3 HARDWOOD STAKES PER TREE

5" MINIMUM MULCH RING

DO NOT PLACE MULCH ADJACENT TO TREE TRUNK OR ROOT FLARE

3" (SETTLED DEPTH) OF MULCH

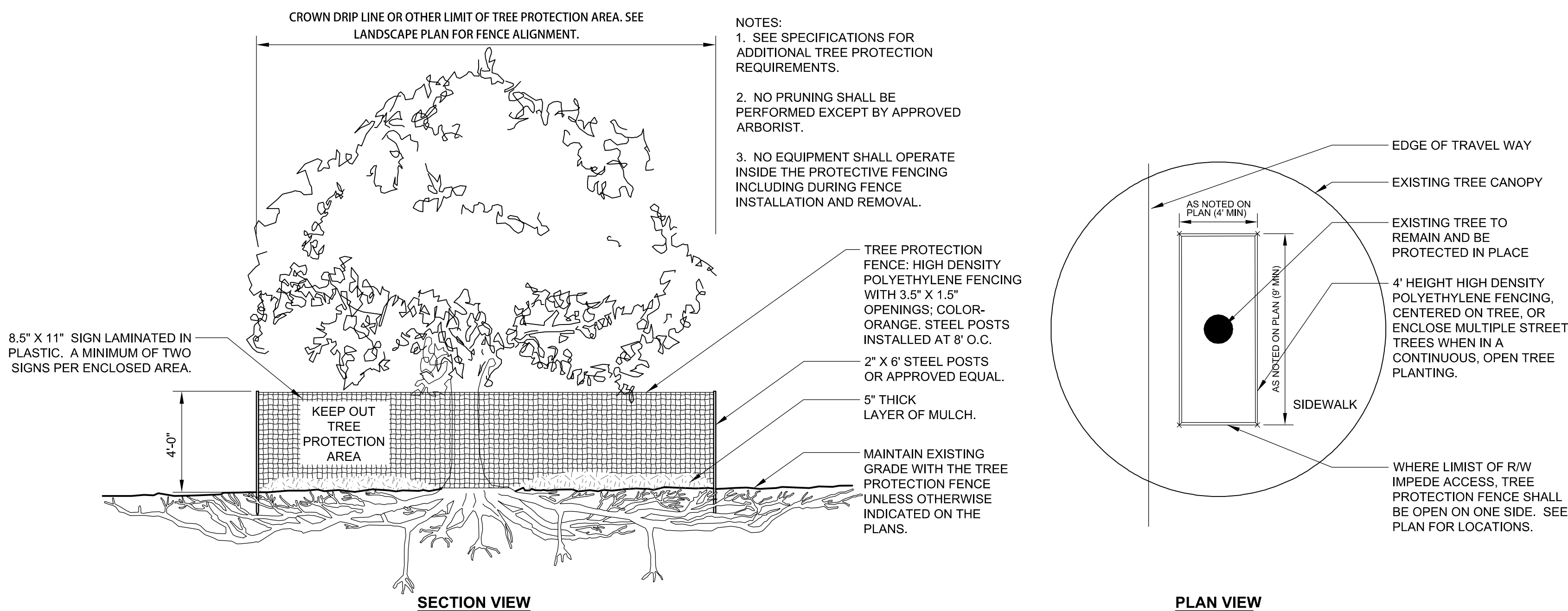
MOUND SOIL TO FORM SAUCER

CUT AND REMOVE ALL WIRE, PLASTIC, ROPE AND BURLAP (NATURAL AND SYNTHETIC) FROM TOP 1/2 OF ROOT BALL

BACKFILL: 50-50 MIX OF AMENDED PLANTING MIX AND EXISTING SOIL

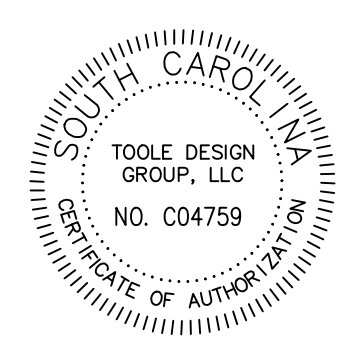
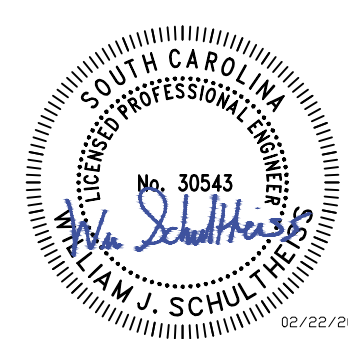

STAKES TO EXTEND 1'-6" BELOW TREE PIT IN UNDISTURBED GROUND

SCARIFY TO A DEPTH OF 4"



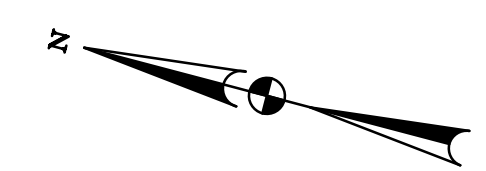
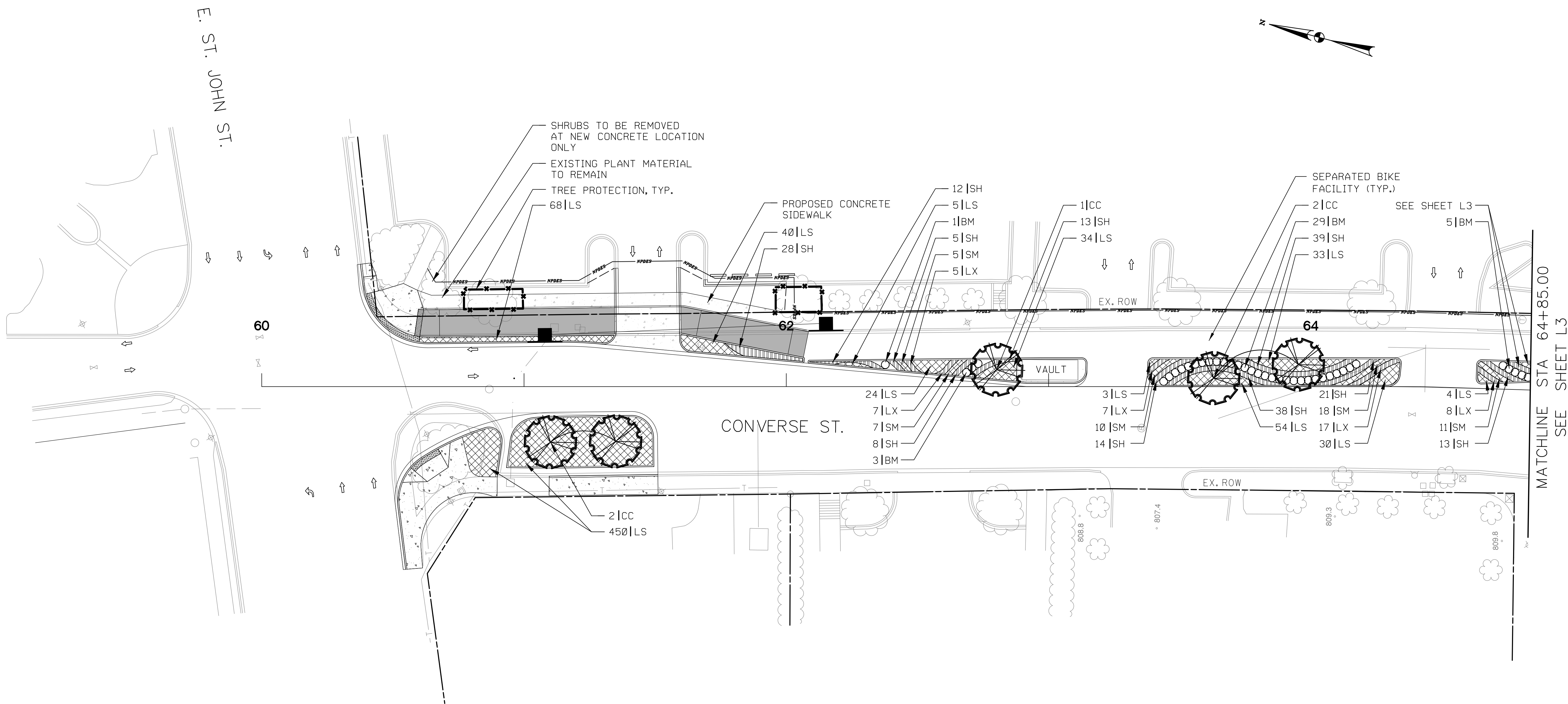
3 L3 TREE PROTECTION FENCE

NOT TO SCALE

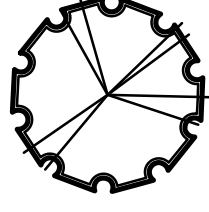


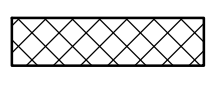

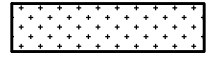
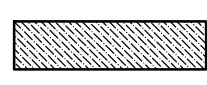
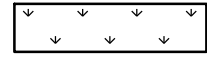
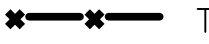

 		4				MARY BLACK RAIL TRAIL EXTENSION SPARTANBURG, SC
		3				
		2				LANDSCAPE PLANS SHEET 1 OF 8
		1				
		REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
		TOPO.		DATE		
		DWG.		DATE	SQUAD	
		R/W		DATE		

SCALE 1"= 20'

SHEET NO. L1



LEGEND

-  ORNAMENTAL TREE
SEE LANDSCAPE DETAIL SHEETS
-  LARGE SHRUB
SEE LANDSCAPE DETAIL SHEETS
-  SMALL SHRUB
SEE LANDSCAPE DETAIL SHEETS
-  HERBACEOUS PLANTING
SEE LANDSCAPE DETAIL SHEETS
-  HERBACEOUS PLANTING
SEE LANDSCAPE DETAIL SHEETS
-  FESCUE SEED BY ACRE
-  ANNUAL PLANTING BED
SEE LANDSCAPE DETAIL SHEETS
-  SOD BY SQUARE YARD
-  TREE PROTECTION FENCE
-  TREE TO BE REMOVED



TOOLE DESIGN GROUP, LLC
NO. C04759

TOOLE DESIGN

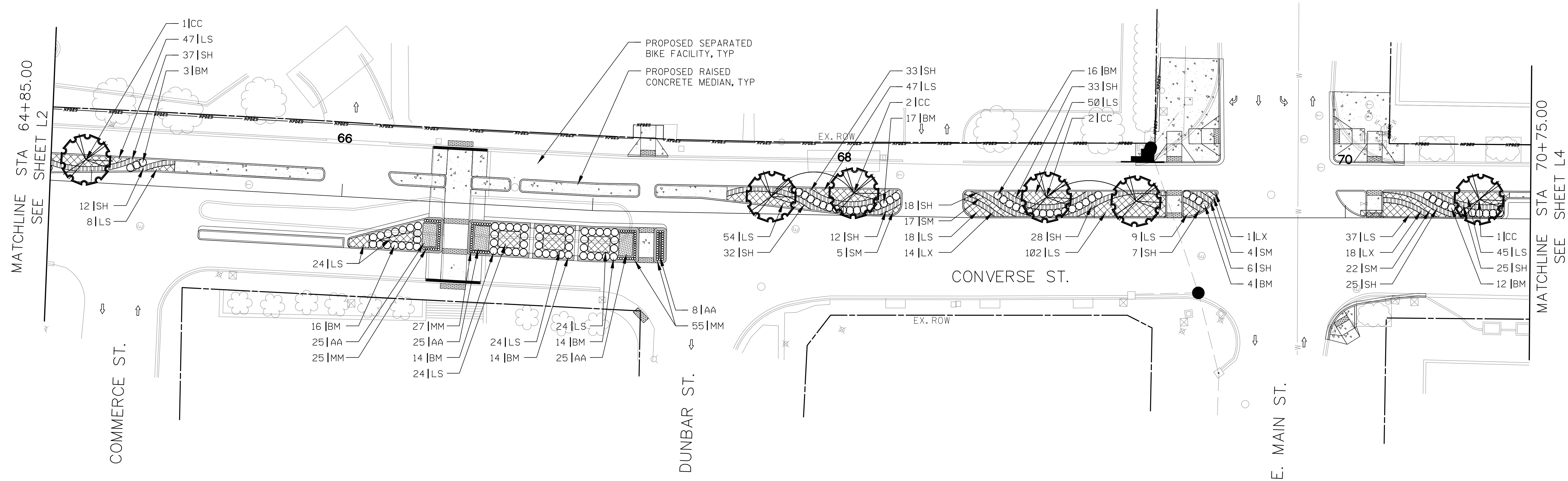
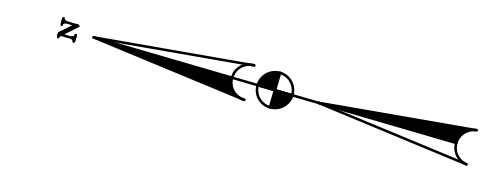
172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

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1			
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DWG.		DATE	SQUAD
RW		DATE	

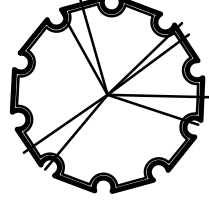


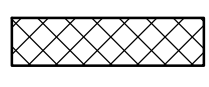


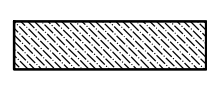
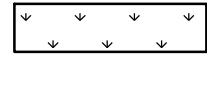


MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

LANDSCAPE PLANS
SHEET 2 OF 8

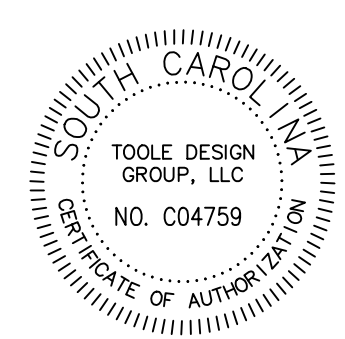
SCALE 1"= 20' SHEET NO. L2



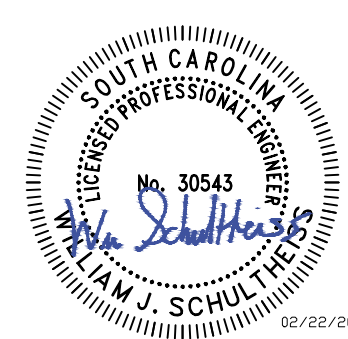
LEGEND

-  ORNAMENTAL TREE
SEE LANDSCAPE DETAIL SHEETS
-  LARGE SHRUB
SEE LANDSCAPE DETAIL SHEETS
-  SMALL SHRUB
SEE LANDSCAPE DETAIL SHEETS
-  HERBACEOUS PLANTING
SEE LANDSCAPE DETAIL SHEETS
-  HERBACEOUS PLANTING
SEE LANDSCAPE DETAIL SHEETS
-  FESCUE SEED BY ACRE
-  ANNUAL PLANTING BED
SEE LANDSCAPE DETAIL SHEETS
-  SOD BY SQUARE YARD
-  TREE PROTECTION FENCE
-  TREE TO BE REMOVED





WILLIAM J. SCHUIT
LICENSED PROFESSIONAL ENGINEER
No. 30543
02/22/2021



TOOLE DESIGN GROUP, LLC
NO. C04759

TOOLE
DESIGN

172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

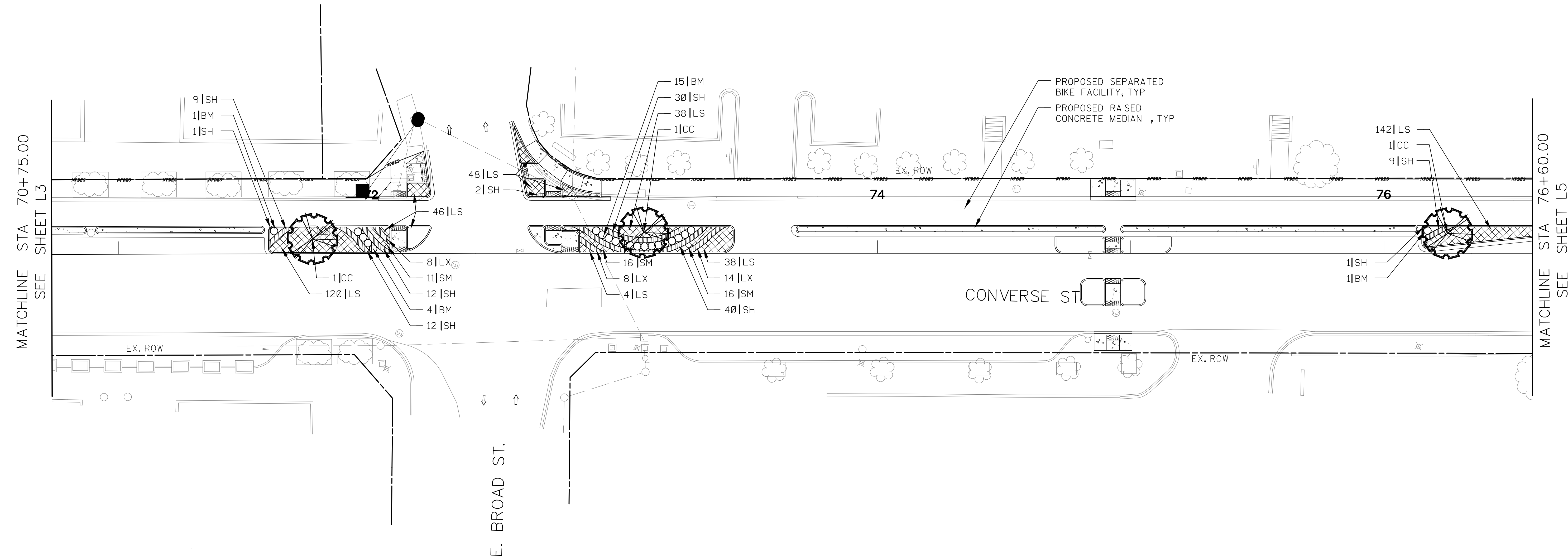
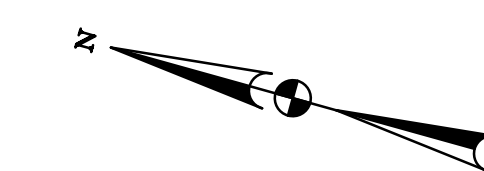
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R/W		DATE			

MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

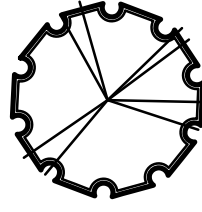


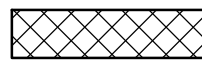

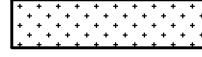
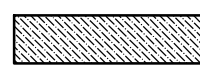
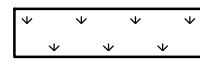


LANDSCAPE PLANS
SHEET 3 OF 8

SCALE 1"= 20'
SHEET NO. L3

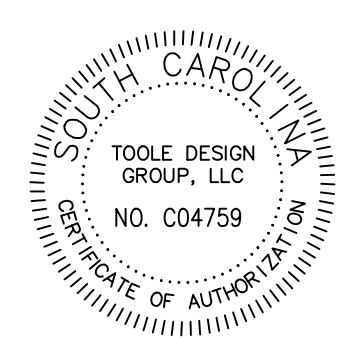
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X	S.C.	SPARTANBURG	P028136	S 250, S-1707, S-56	L4



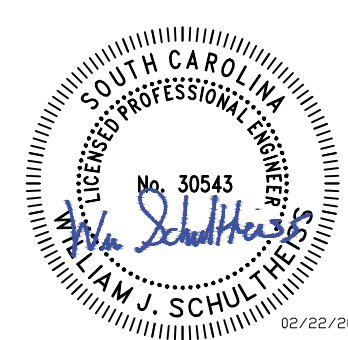
LEGEND

-  ORNAMENTAL TREE
SEE LANDSCAPE DETAIL SHEETS
-  LARGE SHRUB
SEE LANDSCAPE DETAIL SHEETS
-  SMALL SHRUB
SEE LANDSCAPE DETAIL SHEETS
-  HERBACEOUS PLANTING
SEE LANDSCAPE DETAIL SHEETS
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-  FESCUE SEED BY ACRE
-  ANNUAL PLANTING BED
SEE LANDSCAPE DETAIL SHEETS
-  SOD BY SQUARE YARD
-  TREE PROTECTION FENCE
-  TREE TO BE REMOVED





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STATE OF SOUTH CAROLINA



TOOLE DESIGN GROUP, LLC
NO. C04759
STATE OF SOUTH CAROLINA

TOOLE

DESIGN

172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

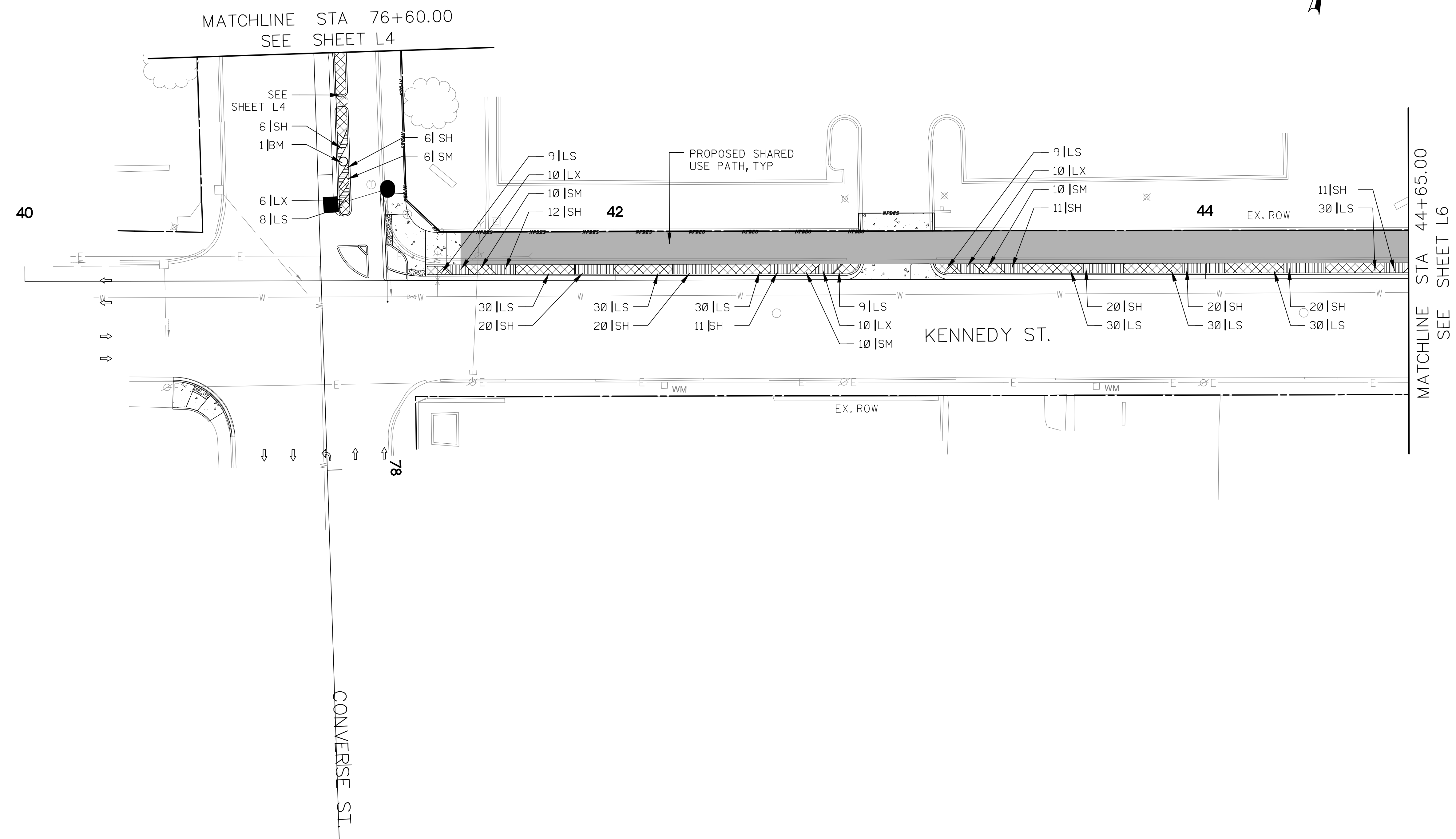
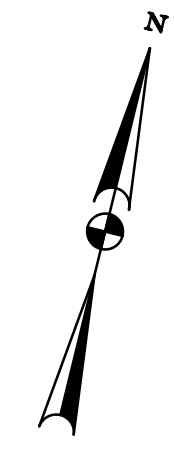
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R/W		DATE			

MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

LANDSCAPE PLANS
SHEET 4 OF 8

SCALE 1"= 20' SHEET NO. L4

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707, S-56	L5



LEGEND

- ORNAMENTAL TREE
SEE LANDSCAPE DETAIL SHEETS
- LARGE SHRUB
SEE LANDSCAPE DETAIL SHEETS
- SMALL SHRUB
SEE LANDSCAPE DETAIL SHEETS
- HERBACEOUS PLANTING
SEE LANDSCAPE DETAIL SHEETS
- HERBACEOUS PLANTING
SEE LANDSCAPE DETAIL SHEETS
- FESCUE SEED BY ACRE
- ANNUAL PLANTING BED
SEE LANDSCAPE DETAIL SHEETS
- SOD BY SQUARE YARD
- TREE PROTECTION FENCE
- TREE TO BE REMOVED



TOOLE DESIGN
172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

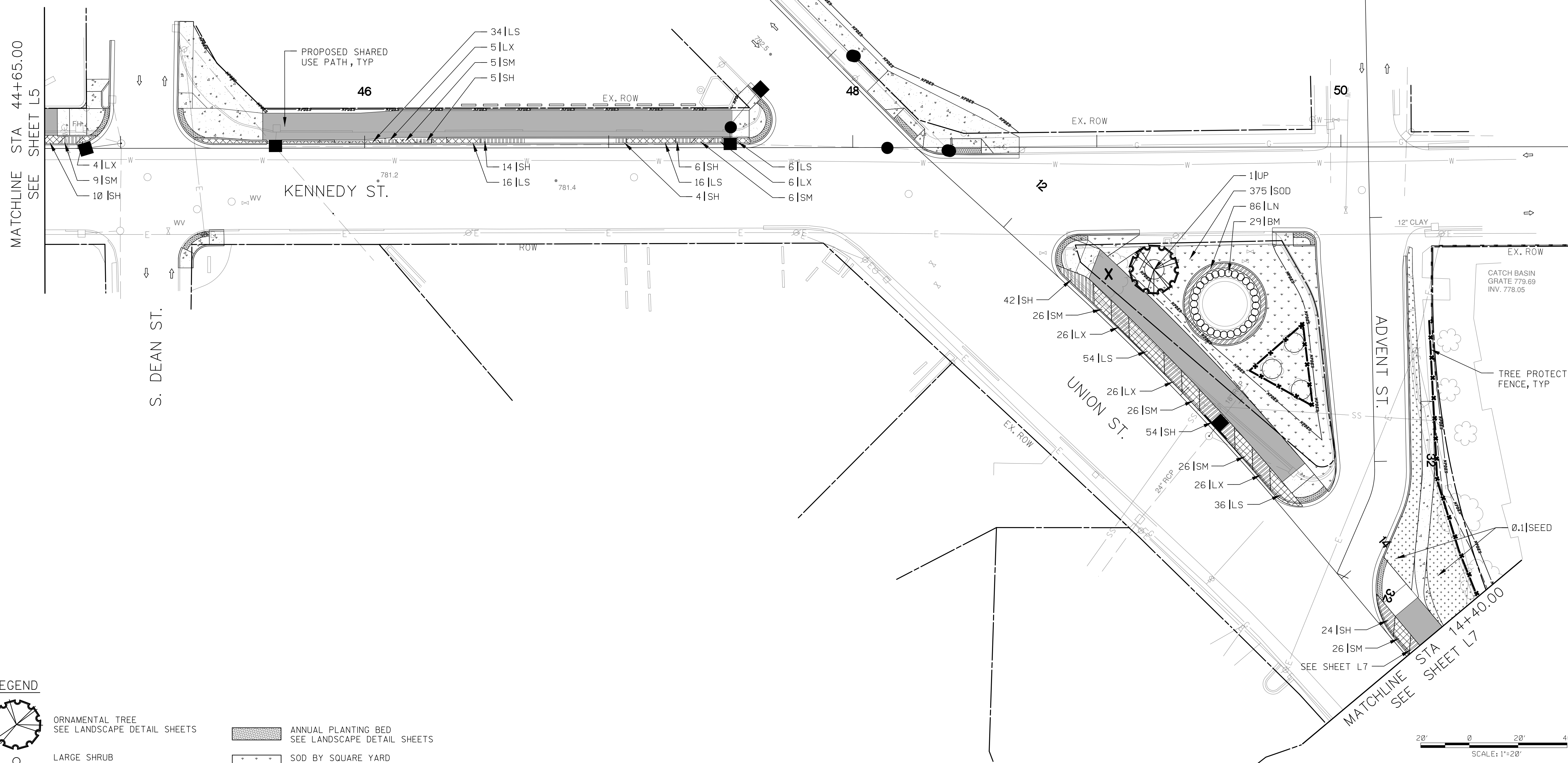
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MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

LANDSCAPE PLANS
SHEET 5 OF 8

SCALE 1"= 20' SHEET NO. L5

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707, S-56	L6



- LEGEND**
- ORNAMENTAL TREE
SEE LANDSCAPE DETAIL SHEETS
 - LARGE SHRUB
SEE LANDSCAPE DETAIL SHEETS
 - SMALL SHRUB
SEE LANDSCAPE DETAIL SHEETS
 - HERBACEOUS PLANTING
SEE LANDSCAPE DETAIL SHEETS
 - HERBACEOUS PLANTING
SEE LANDSCAPE DETAIL SHEETS
 - FESCUE SEED BY ACRE
 - ANNUAL PLANTING BED
SEE LANDSCAPE DETAIL SHEETS
 - SOD BY SQUARE YARD
 - TREE PROTECTION FENCE
 - TREE TO BE REMOVED

SOUTH CAROLINA
TOOLE DESIGN GROUP, LLC
NO. C04759
REGISTERED PROFESSIONAL ENGINEER
No. 30543
WILLIAM J. SCHULTZ
02/22/2021

TOOLE DESIGN
172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

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

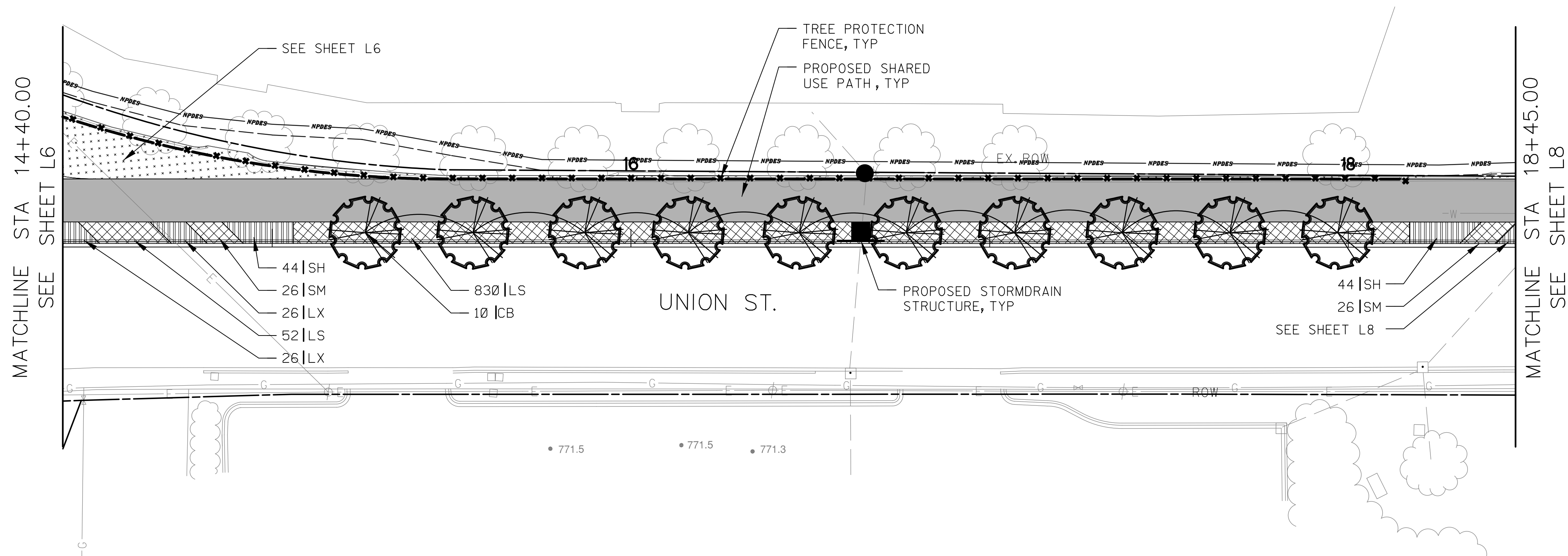
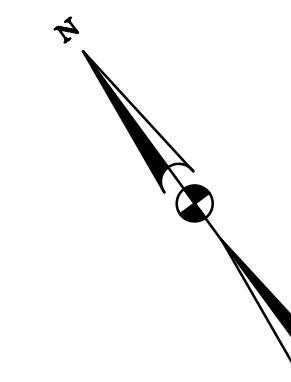
MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

LANDSCAPE PLANS
SHEET 6 OF 8

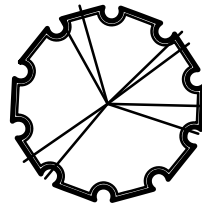


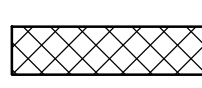
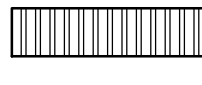
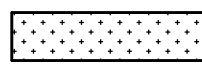
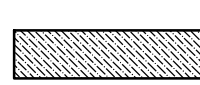
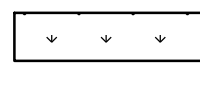


SCALE 1"= 20'

SHEET NO. L6

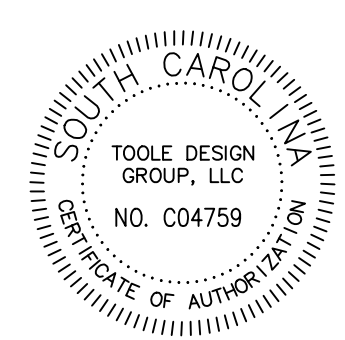
FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707 S-56	L7



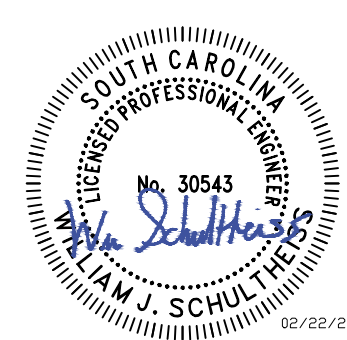
LEGEND

-  ORNAMENTAL TREE
SEE LANDSCAPE DETAIL SHEETS
-  LARGE SHRUB
SEE LANDSCAPE DETAIL SHEETS
-  SMALL SHRUB
SEE LANDSCAPE DETAIL SHEETS
-  HERBACEOUS PLANTING
SEE LANDSCAPE DETAIL SHEETS
-  HERBACEOUS PLANTING
SEE LANDSCAPE DETAIL SHEETS
-  FESCUE SEED BY ACRE
-  ANNUAL PLANTING BED
SEE LANDSCAPE DETAIL SHEETS
-  SOD BY SQUARE YARD
-  TREE PROTECTION FENCE
-  TREE TO BE REMOVED





TOOLE DESIGN GROUP, LLC
NO. C04759



WILLIAM J. SCHULTZE
02/22/2021

TOOLE DESIGN
172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

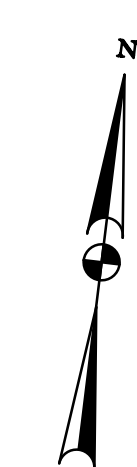
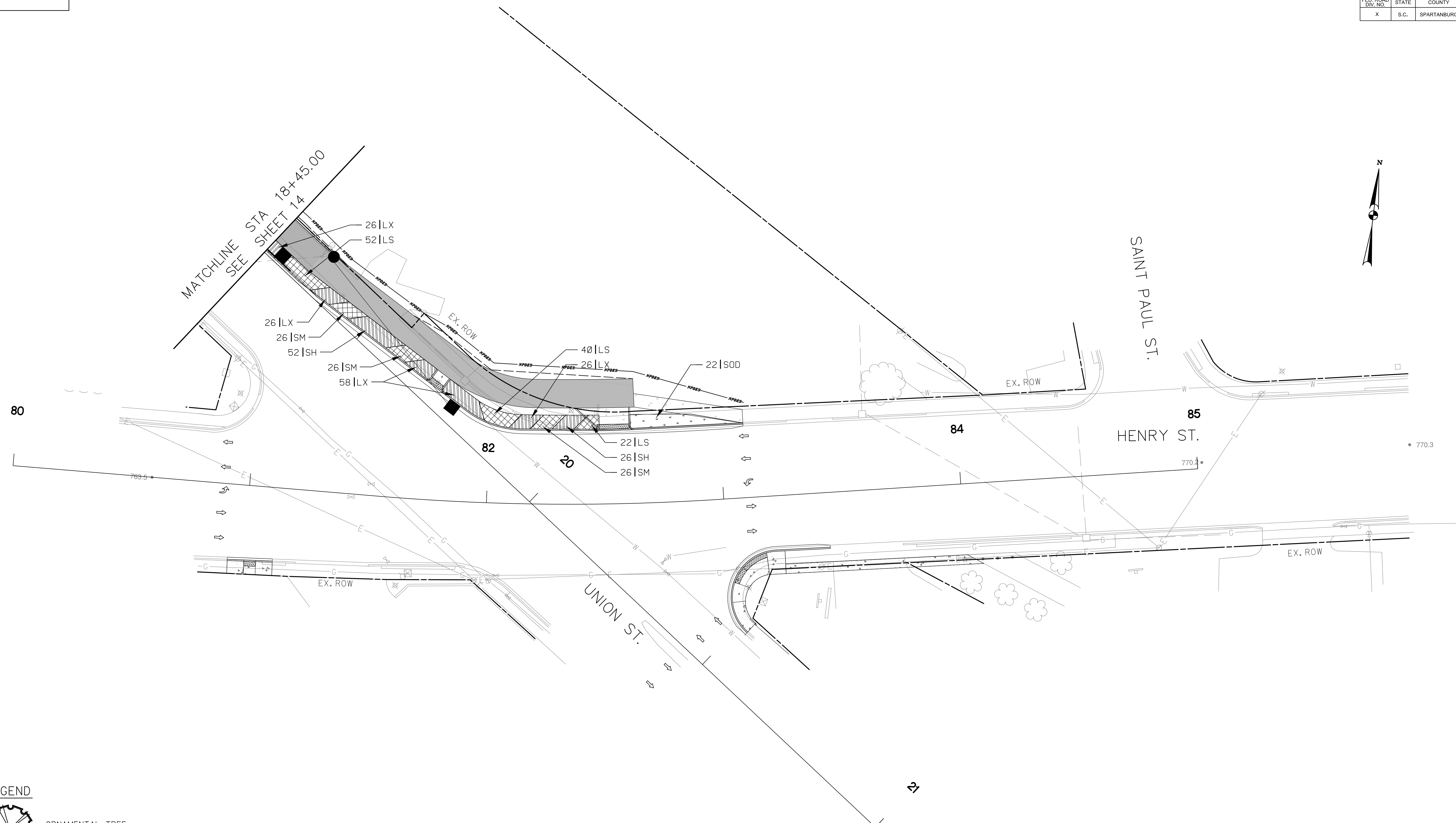
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

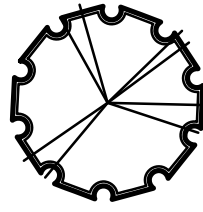

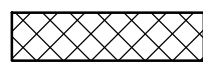
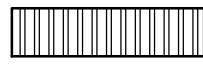
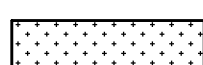
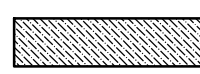
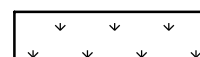


LANDSCAPE PLANS
SHEET 7 OF 8

SCALE 1"= 20' SHEET NO. L7

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	8250, S-1707, S-56	L8



LEGEND

-  ORNAMENTAL TREE
SEE LANDSCAPE DETAIL SHEETS
-  LARGE SHRUB
SEE LANDSCAPE DETAIL SHEETS
- SMALL SHRUB
SEE LANDSCAPE DETAIL SHEETS
-  HERBACEOUS PLANTING
SEE LANDSCAPE DETAIL SHEETS
-  HERBACEOUS PLANTING
SEE LANDSCAPE DETAIL SHEETS
-  FESCUE SEED BY ACRE
-  ANNUAL PLANTING BED
SEE LANDSCAPE DETAIL SHEETS
-  SOD BY SQUARE YARD
-  TREE PROTECTION FENCE
-  TREE TO BE REMOVED



TOOLE DESIGN
172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

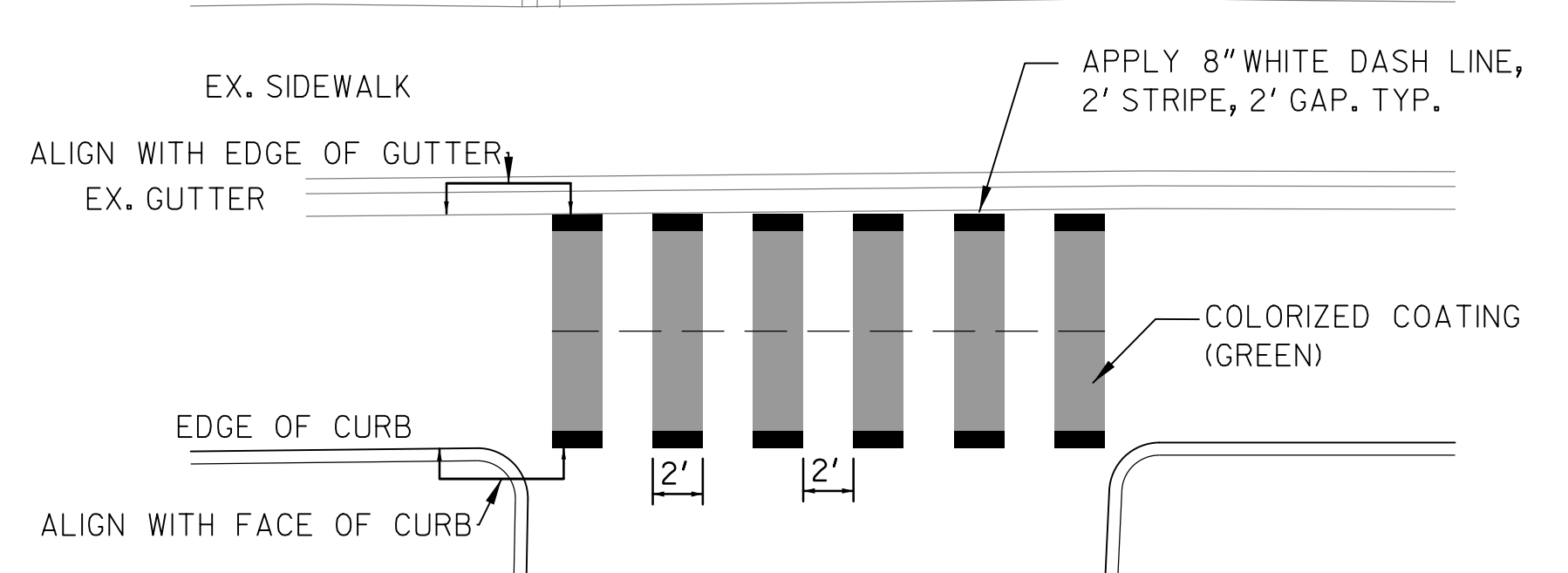
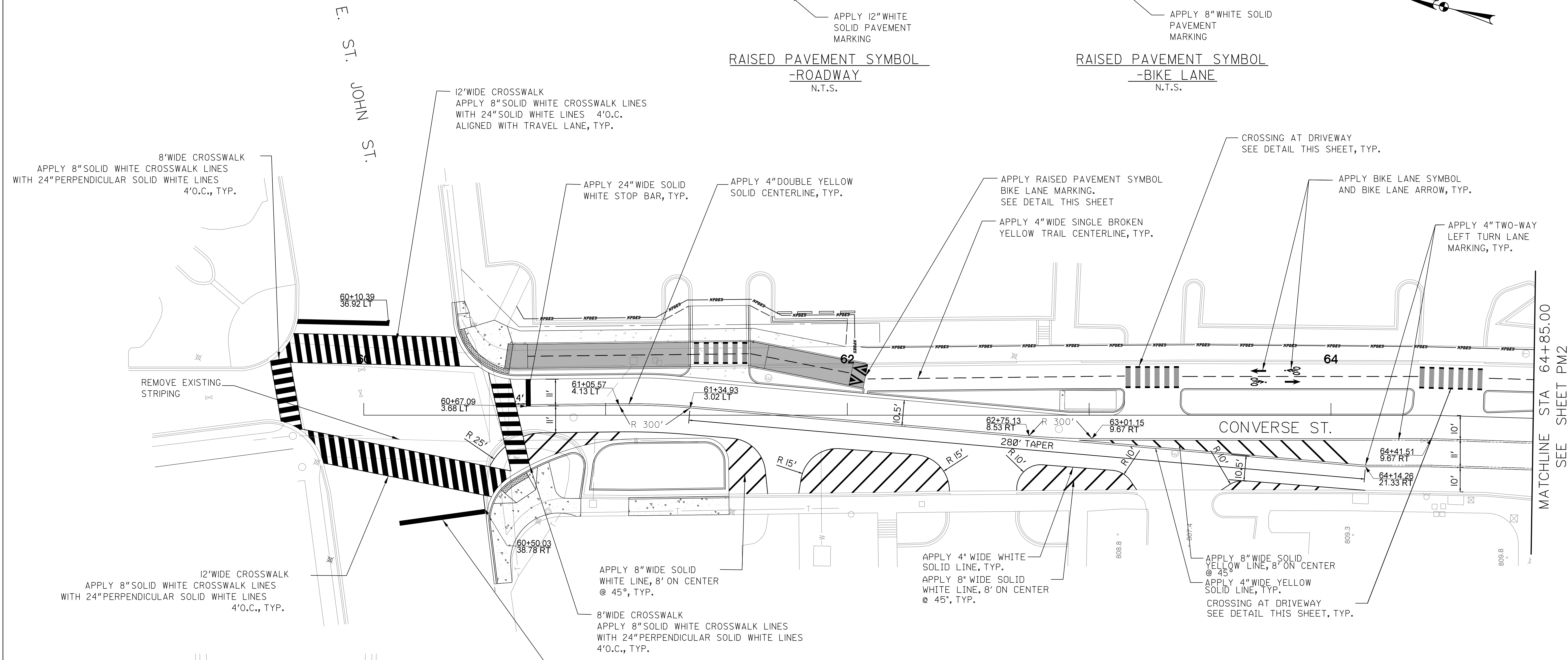
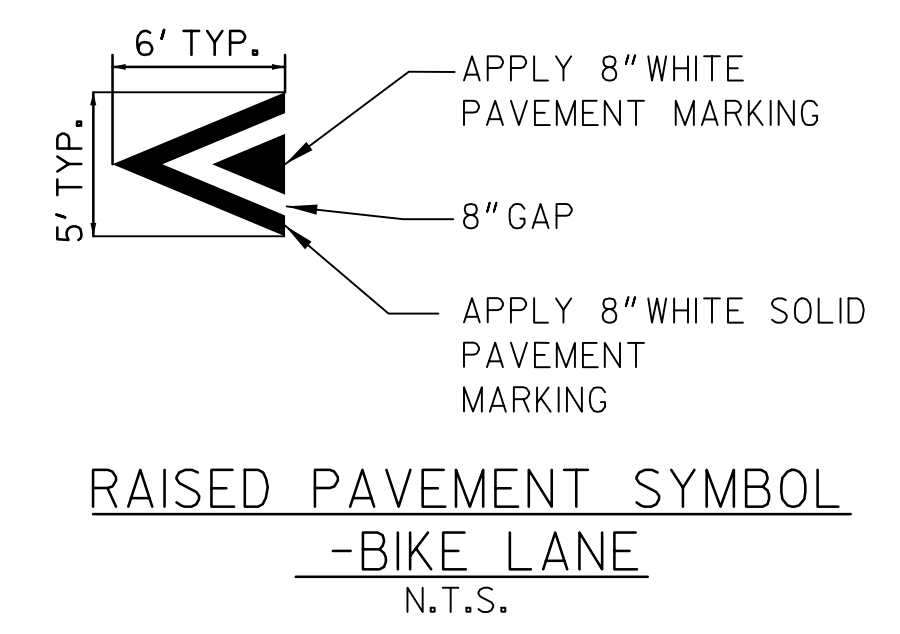
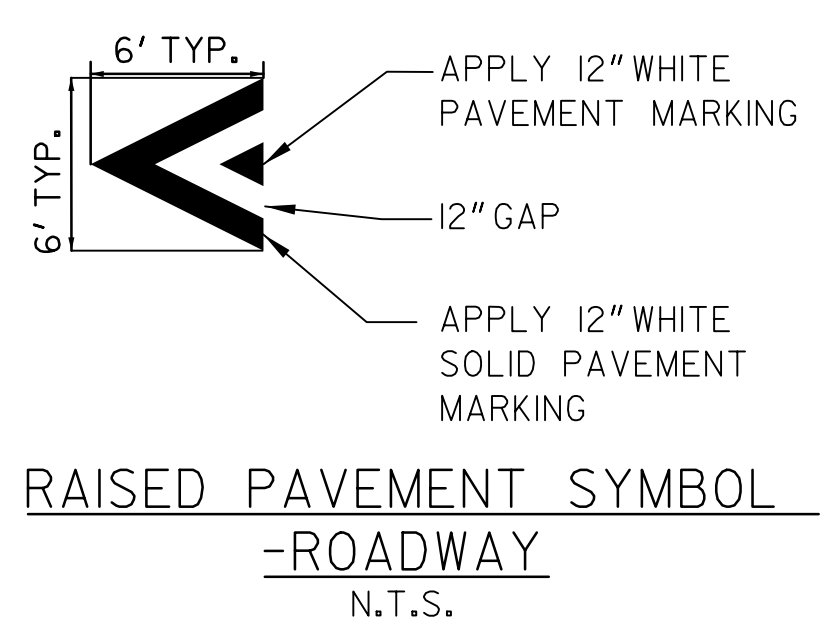
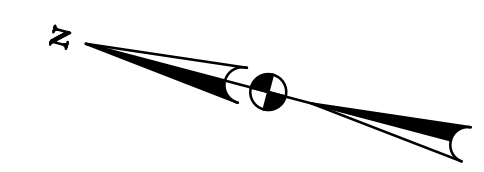
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	
R/W		DATE	

MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

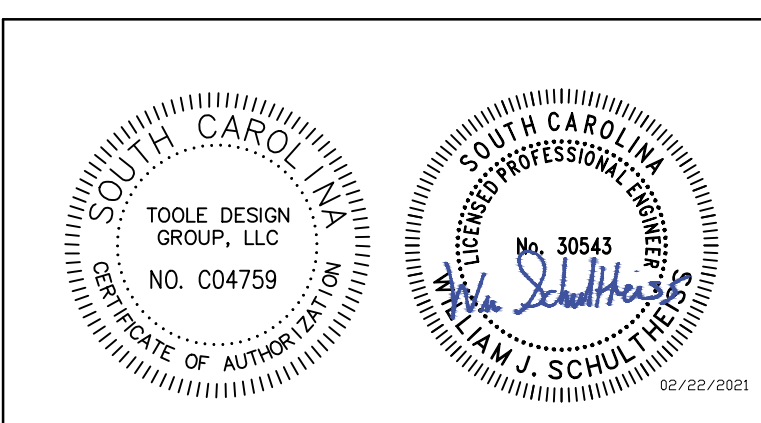
LANDSCAPE PLANS
SHEET 8 OF 8

SCALE 1"= 20' SHEET NO. L8

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	8250, S-1707, S-56	PM1



NOTE
 APPLY PAVEMENT MARKINGS IN ACCORDANCE WITH THE FOLLOWING
 SCDOT STD. DWGS. UNLESS OTHERWISE NOTED IN THE PLANS
 625-305-00 STANDARD MARKINGS FOR INTERSECTIONS
 625-310-00 TYPICAL MARKINGS FOR TURN LANE INSTALLATIONS
 625-405-00 TRANSITION DIAGONAL MARKINGS
 625-410-00 FOR ARROWS & ONLYS
 625-425-00 TYPICAL MARKINGS FOR BIKE LANES
 630-105-00 PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT AND DETAIL
 630-205-00 PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT



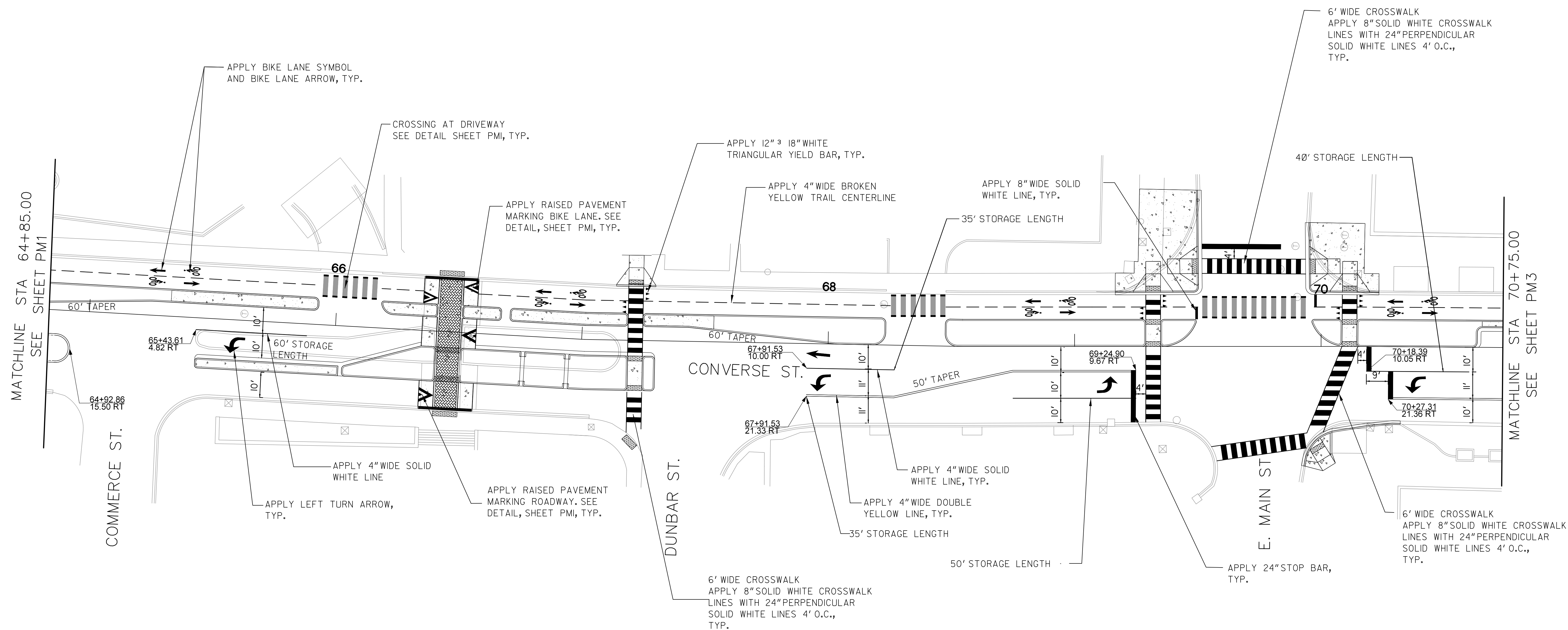
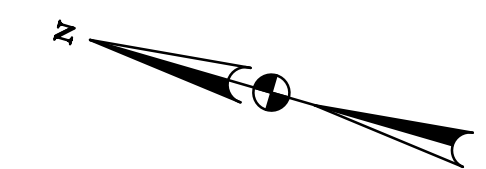
TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
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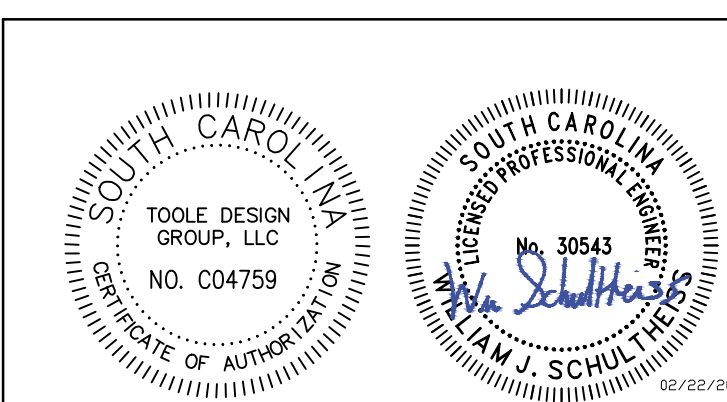
MARY BLACK
 RAIL TRAIL EXTENSION
 SPARTANBURG, SC

PAVEMENT MARKINGS
 1 OF 7

SCALE 1"= 20' SHEET NO. PM1



NOTE
 APPLY PAVEMENT MARKINGS IN ACCORDANCE WITH THE FOLLOWING
 SCDOT STD. DWGS, UNLESS OTHERWISE NOTED IN THE PLANS
 625-305-00 STANDARD MARKINGS FOR INTERSECTIONS
 625-310-00 TYPICAL MARKINGS FOR TURN LANE INSTALLATIONS
 625-405-00 TRANSITION DIAGONAL MARKINGS
 625-410-00 FOR ARROWS & ONLYS
 625-425-00 TYPICAL MARKINGS FOR BIKE LANES
 630-105-00 PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT AND DETAIL
 630-205-00 PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT



TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

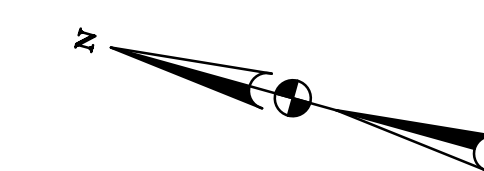
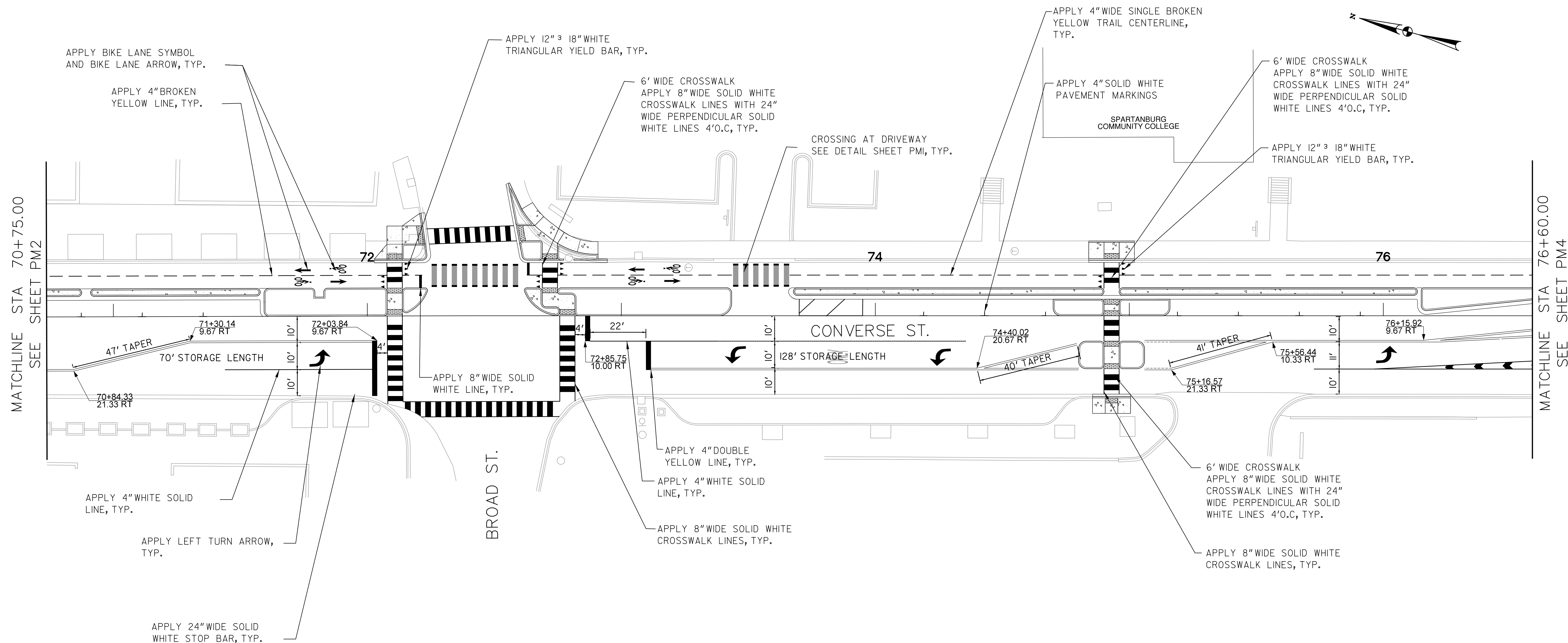
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REV. NO.	BY	DATE	DATE	DESCRIPTION OF REVISION
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MARY BLACK
 RAIL TRAIL EXTENSION
 SPARTANBURG, SC

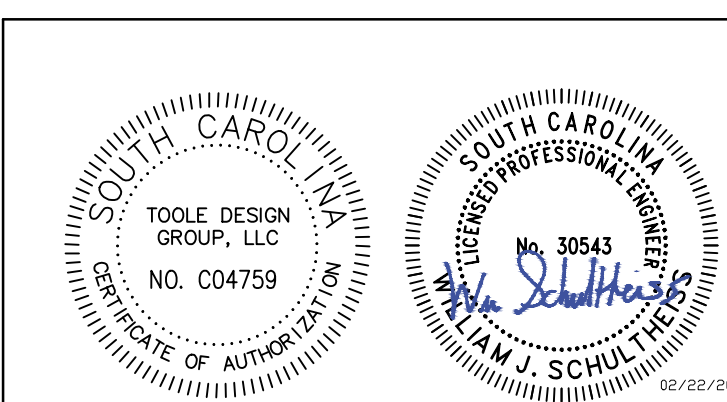
PAVEMENT MARKINGS
 2 OF 7

SCALE 1"= 20' SHEET NO. PM2

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	8250, S-1707, S-56	PM3



NOTE
 APPLY PAVEMENT MARKINGS IN ACCORDANCE WITH THE FOLLOWING
 SCDOT STD. DWGS. UNLESS OTHERWISE NOTED IN THE PLANS
 625-305-00 STANDARD MARKINGS FOR INTERSECTIONS
 625-310-00 TYPICAL MARKINGS FOR TURN LANE INSTALLATIONS
 625-405-00 TRANSITION DIAGONAL MARKINGS
 625-410-00 FOR ARROWS & ONLYS
 625-425-00 TYPICAL MARKINGS FOR BIKE LANES
 630-105-00 PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT AND DETAIL
 630-205-00 PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT



TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

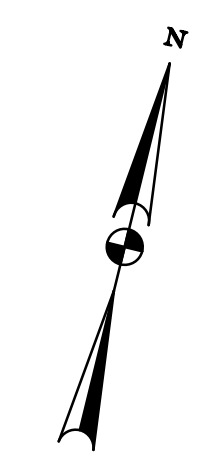
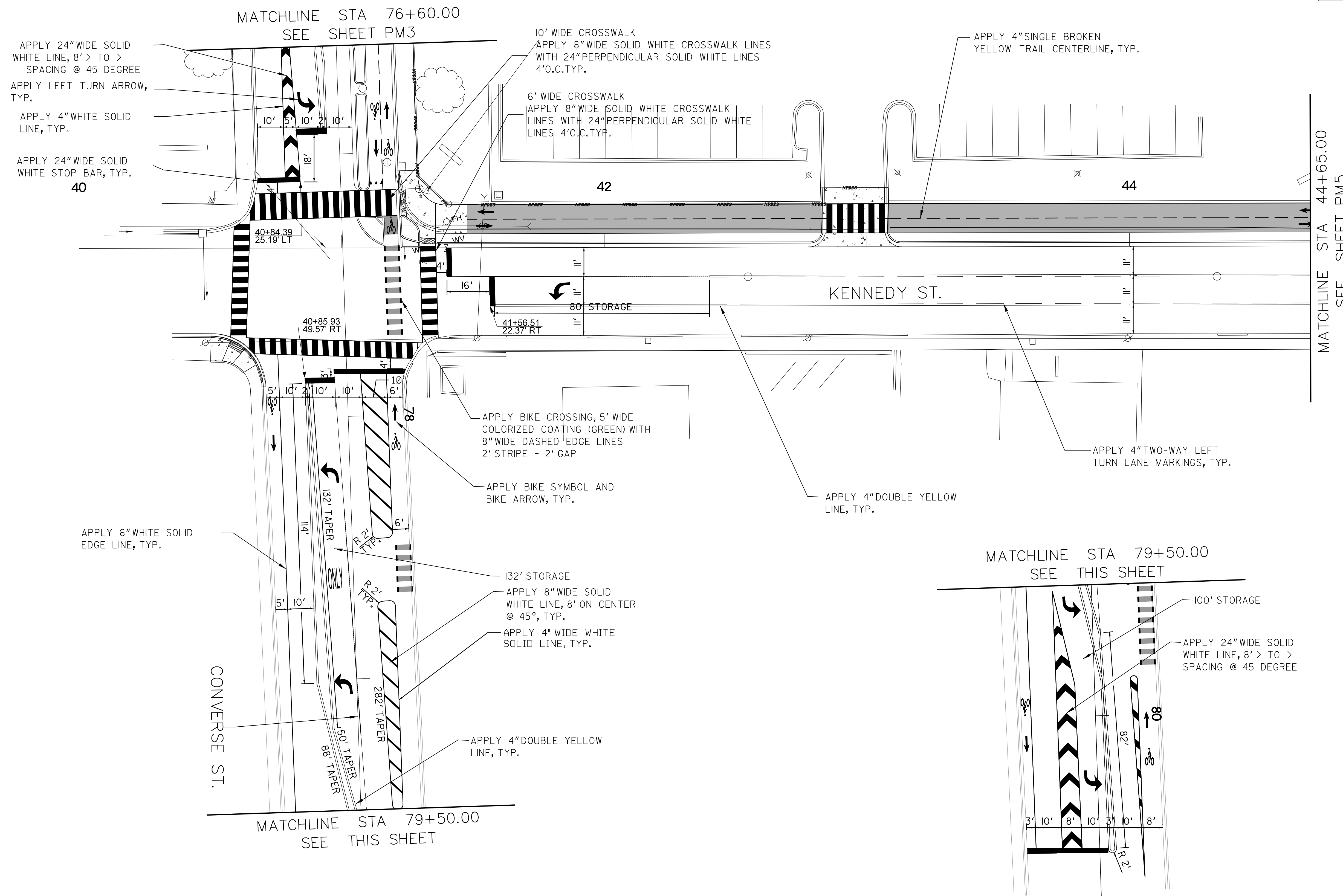
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
TOPO.		DATE	SQUAD	
DWG.		DATE		
R/W		DATE		

MARY BLACK
 RAIL TRAIL EXTENSION
 SPARTANBURG, SC

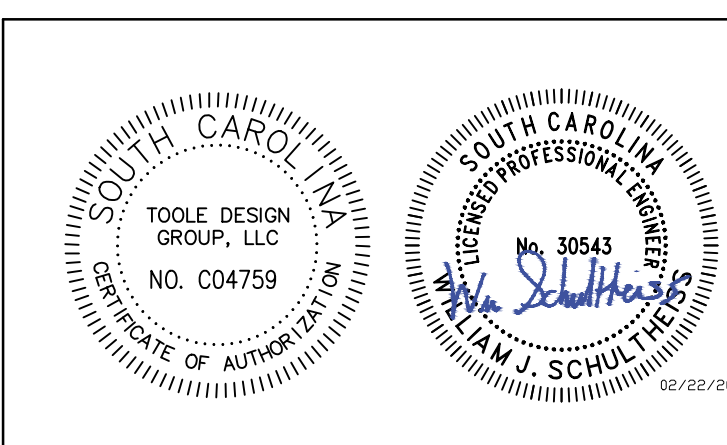
PAVEMENT MARKINGS
 3 OF 7

SCALE 1"= 20' SHEET NO. PM3

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707, S-56	PM4



NOTE
 APPLY PAVEMENT MARKINGS IN ACCORDANCE WITH THE FOLLOWING
 SCDOT STD. DWGS. UNLESS OTHERWISE NOTED IN THE PLANS
 625-305-00 STANDARD MARKINGS FOR INTERSECTIONS
 625-310-00 TYPICAL MARKINGS FOR TURN LANE INSTALLATIONS
 625-405-00 TRANSITION DIAGONAL MARKINGS
 625-410-00 FOR ARROWS & ONLYS
 625-425-00 TYPICAL MARKINGS FOR BIKE LANES
 630-105-00 PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT AND DETAIL
 630-205-00 PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT



TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

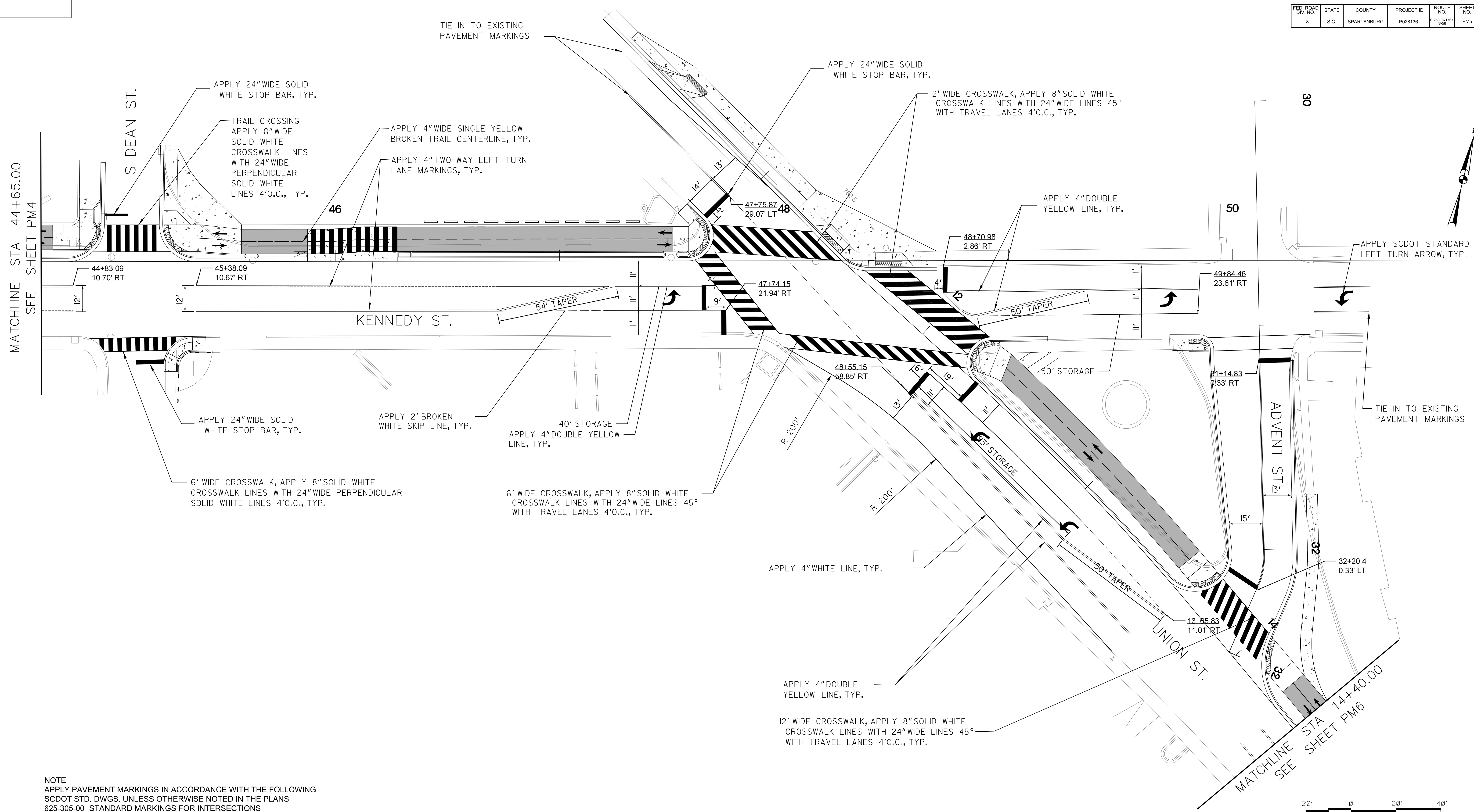
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	SQUAD
R/W		DATE	

MARY BLACK
 RAIL TRAIL EXTENSION
 SPARTANBURG, SC

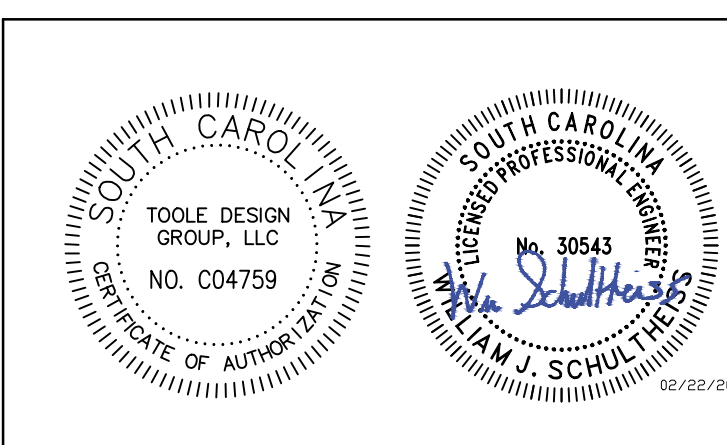
PAVEMENT MARKINGS
 4 OF 7

SCALE 1"= 20' SHEET NO. PM4

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	8250, S-1707, S-56	PM5



NOTE
 APPLY PAVEMENT MARKINGS IN ACCORDANCE WITH THE FOLLOWING
 SCDOT STD. DWGS. UNLESS OTHERWISE NOTED IN THE PLANS
 625-305-00 STANDARD MARKINGS FOR INTERSECTIONS
 625-310-00 TYPICAL MARKINGS FOR TURN LANE INSTALLATIONS
 625-405-00 TRANSITION DIAGONAL MARKINGS
 625-410-00 FOR ARROWS & ONLYS
 625-425-00 TYPICAL MARKINGS FOR BIKE LANES
 630-105-00 PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT AND DETAIL
 630-205-00 PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT



TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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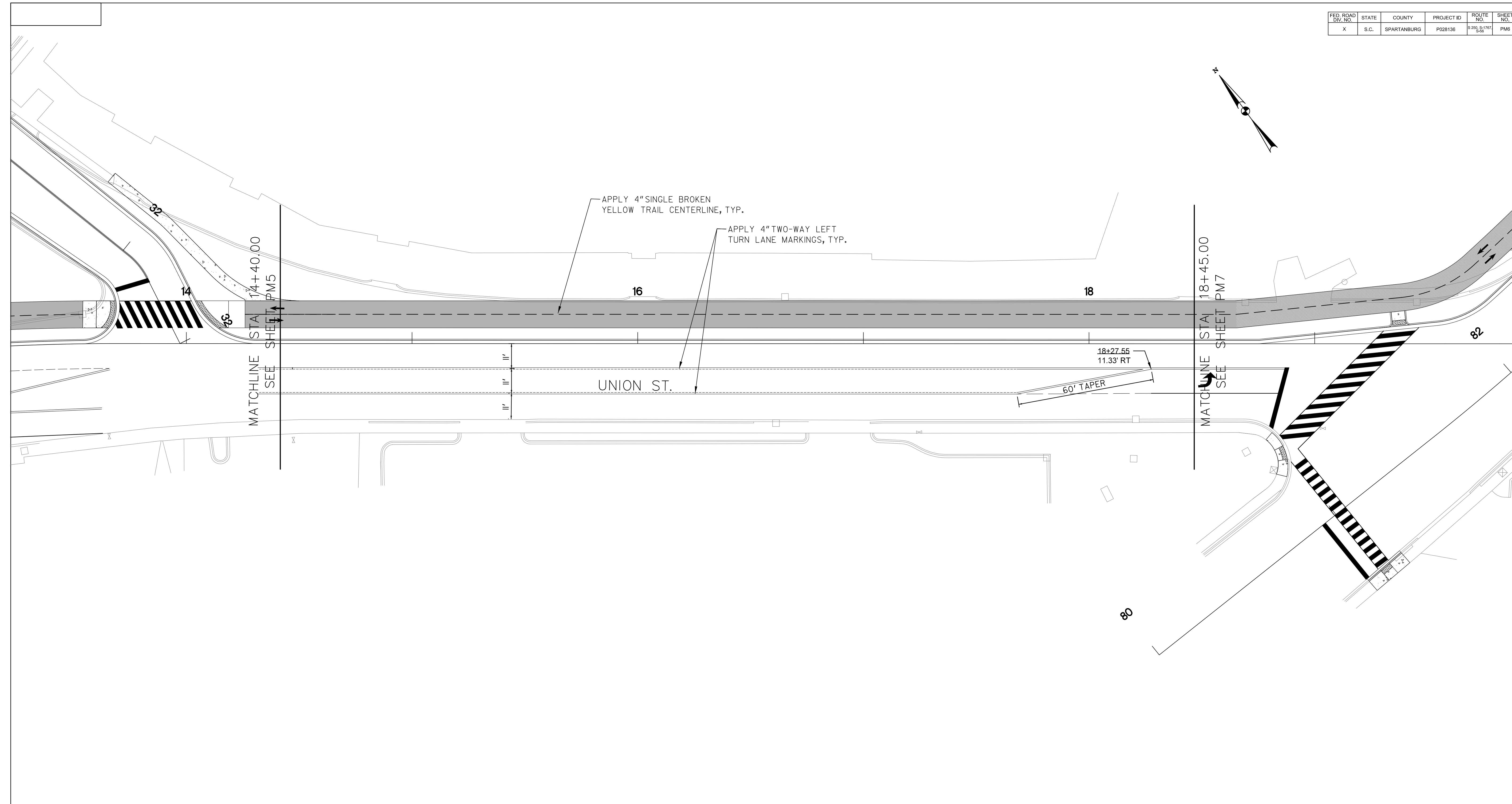
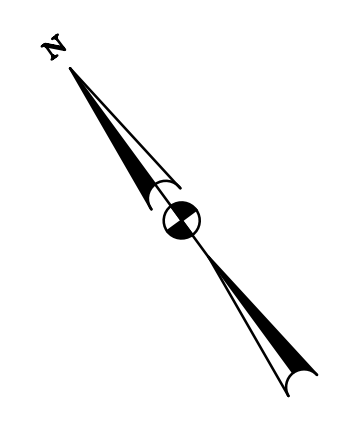
MARY BLACK
 RAIL TRAIL EXTENSION
 SPARTANBURG, SC

PAVEMENT MARKINGS
 5 OF 7

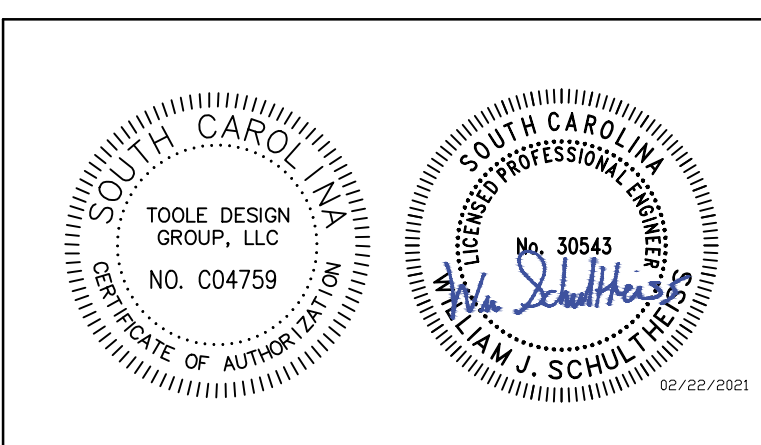
SCALE 1"= 20'

SHEET NO. PM5

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707 S-56	PM6



NOTE
 APPLY PAVEMENT MARKINGS IN ACCORDANCE WITH THE FOLLOWING
 SCDOT STD. DWGS. UNLESS OTHERWISE NOTED IN THE PLANS
 625-305-00 STANDARD MARKINGS FOR INTERSECTIONS
 625-310-00 TYPICAL MARKINGS FOR TURN LANE INSTALLATIONS
 625-405-00 TRANSITION DIAGONAL MARKINGS
 625-410-00 FOR ARROWS & ONLYS
 625-425-00 TYPICAL MARKINGS FOR BIKE LANES
 630-105-00 PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT AND DETAIL
 630-205-00 PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT



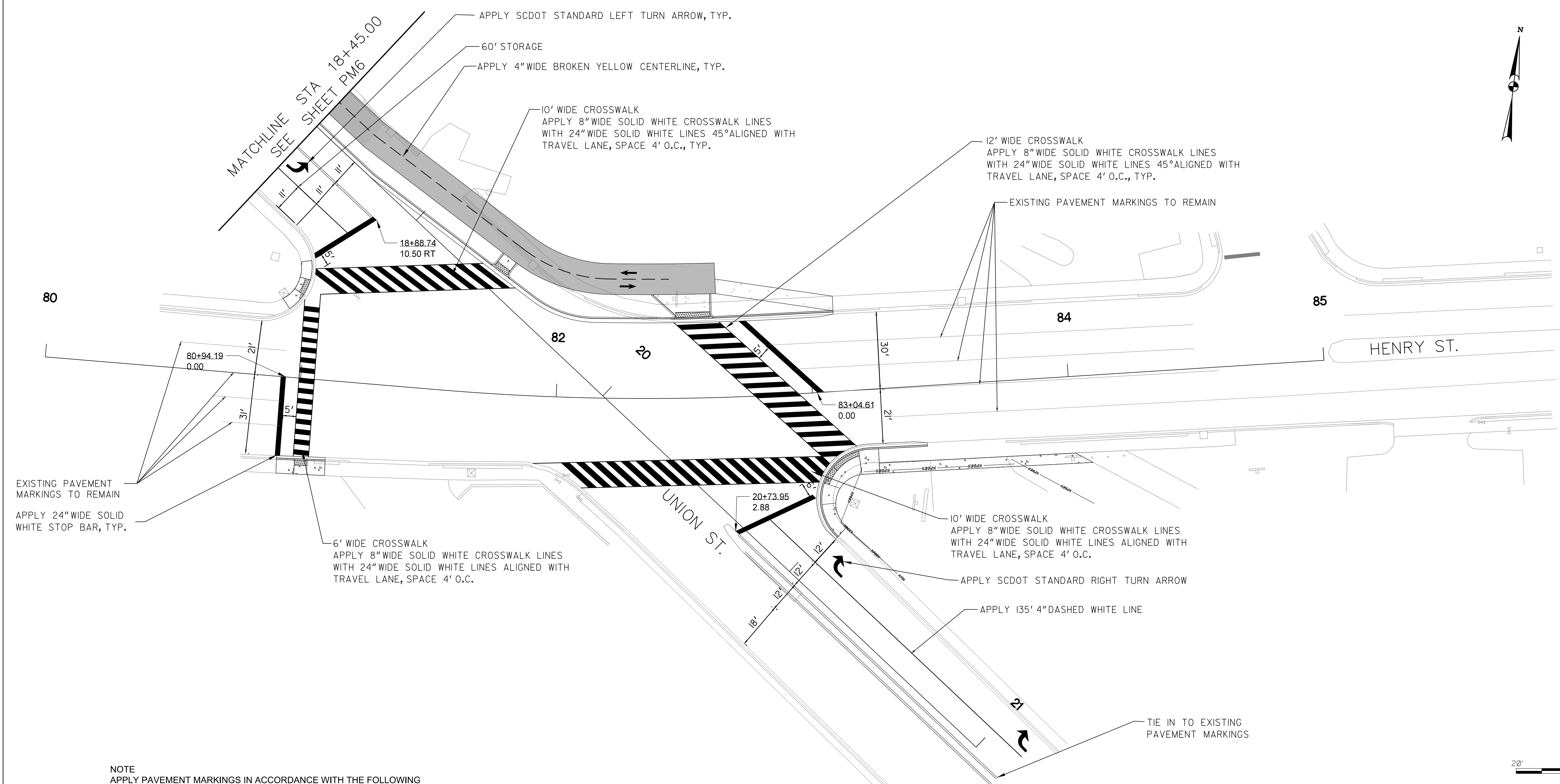
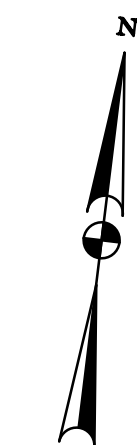
TOOLE DESIGN
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 SPARTANBURG, SC 29306

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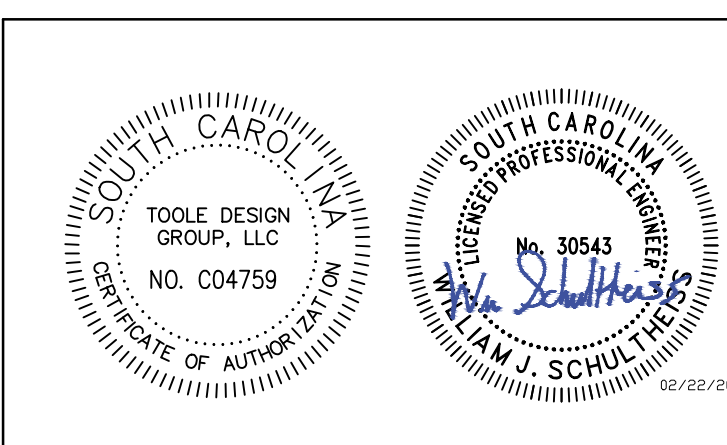
MARY BLACK
 RAIL TRAIL EXTENSION
 SPARTANBURG, SC

PAVEMENT MARKINGS
 6 OF 7

SCALE 1"= 20' SHEET NO. PM6



NOTE
 APPLY PAVEMENT MARKINGS IN ACCORDANCE WITH THE FOLLOWING
 SCDOT STD. DWGS. UNLESS OTHERWISE NOTED IN THE PLANS
 625-305-00 STANDARD MARKINGS FOR INTERSECTIONS
 625-310-00 TYPICAL MARKINGS FOR TURN LANE INSTALLATIONS
 625-405-00 TRANSITION DIAGONAL MARKINGS
 625-410-00 FOR ARROWS & ONLYS
 625-425-00 TYPICAL MARKINGS FOR BIKE LANES
 630-105-00 PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT AND DETAIL
 630-205-00 PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT



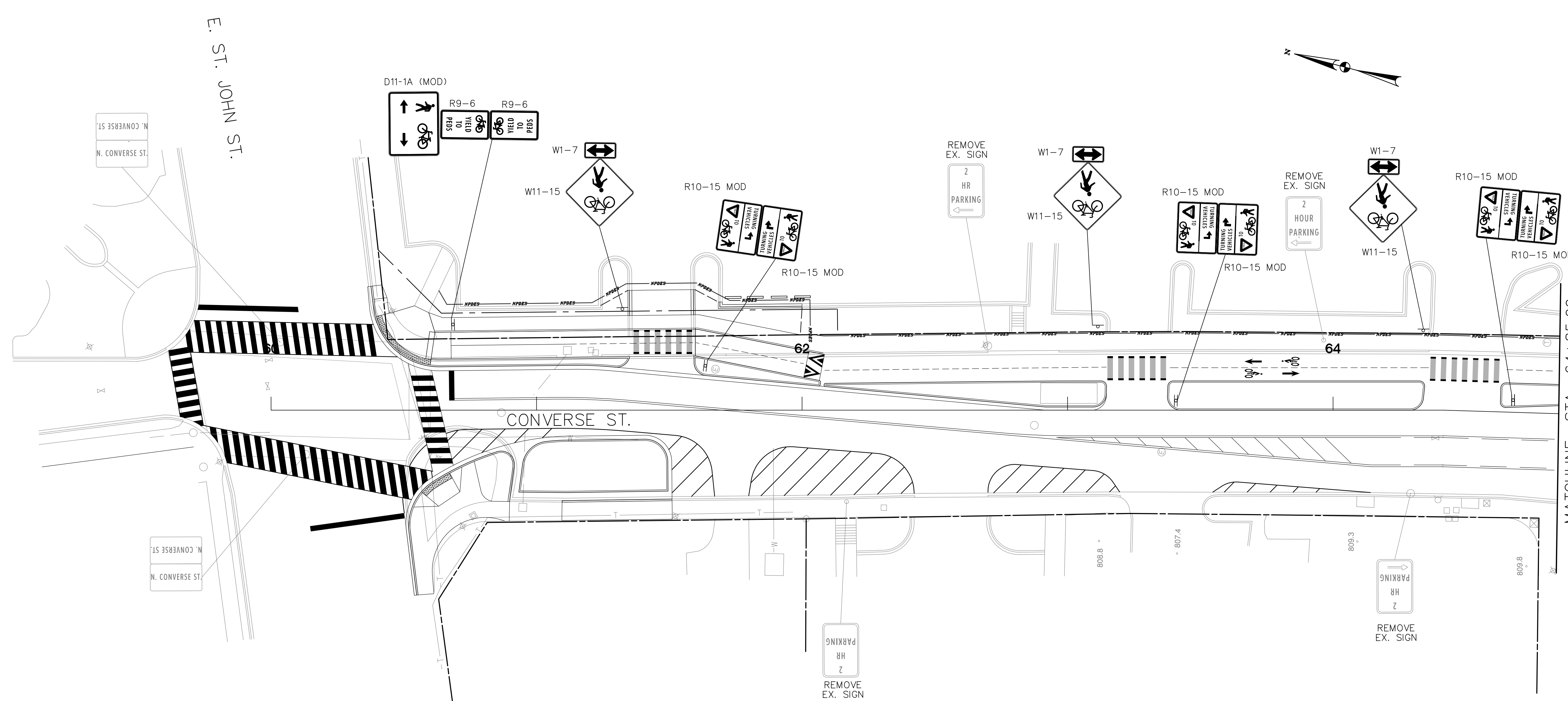
TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

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

MARY BLACK
 RAIL TRAIL EXTENSION
 SPARTANBURG, SC

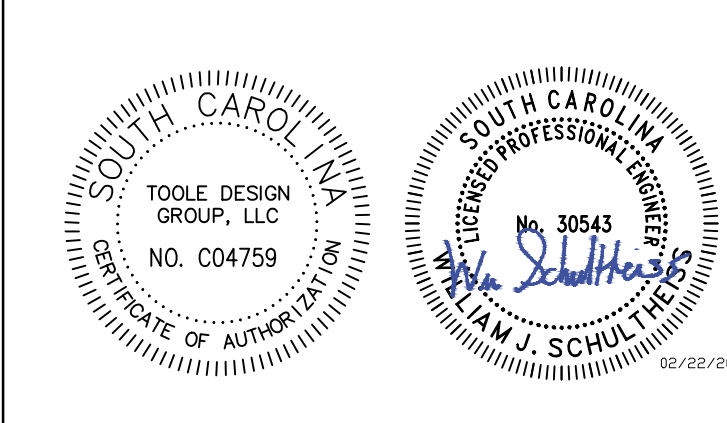
PAVEMENT MARKINGS
 7 OF 7

SCALE 1"= 20' SHEET NO. PM7



LEGEND
 NEW SIGN POST

- NOTES:
1. SIGNS TO BE LOCATED AND INSTALLED ACCORDING TO SCDOT STD. DRAWING 650-110-01, -02. SIGNS SHOULD BE INSTALLED SO THAT THE MINIMUM DISTANCE FROM THE FACE OF CURB TO THE NEAR EDGE OF SIGN IS TWO FEET.
 2. ALL SIGNS TO BE INSTALLED IN ACCORDANCE WITH MUTCD STANDARDS.
 3. ALL SIGN LOCATIONS ARE APPROXIMATIONS. CONTRACTOR SHOULD REVIEW EXISTING UTILITIES AND ROADSIDE CONDITION TO DETERMINE PLACEMENT. FINAL ADJUSTMENTS AT ENGINEERS DISCRETION.
 4. ALL PAVEMENT MARKINGS SHOWN FOR REFERENCE ONLY. FOR PAVEMENT MARKING DETAILS SEE PAVEMENT MARKING PLAN SET.



TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

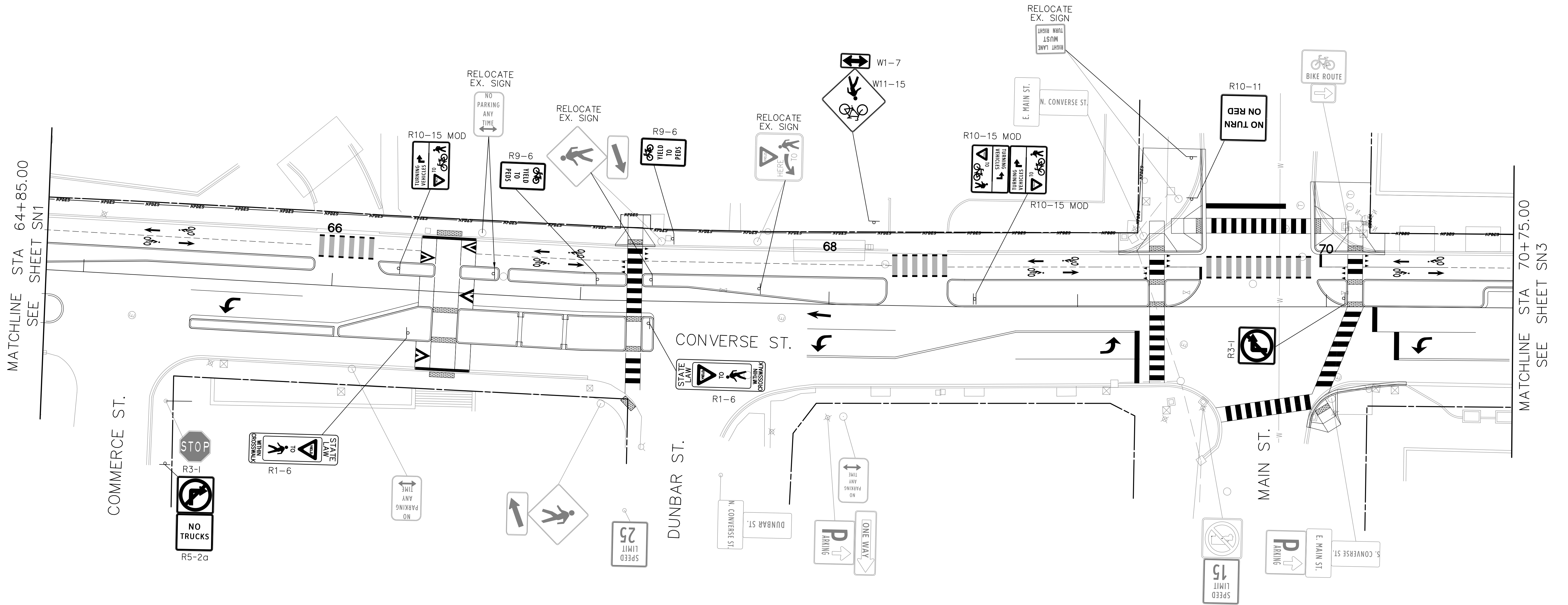
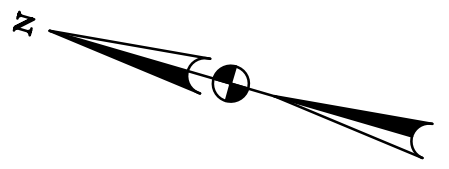
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	SQUAD
R/W		DATE	

MARY BLACK
 RAIL TRAIL EXTENSION
 SPARTANBURG, SC

SIGNING SHEET
 1 OF 7

SCALE 1"= 20' SHEET NO. SN1

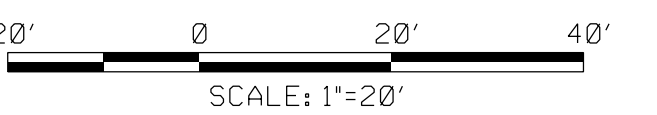
FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S.250, S-1797 S-56	SN2



NOTES:

- SIGNS TO BE LOCATED AND INSTALLED ACCORDING TO SCDOT STD. DRAWING 650-110-01, 02. SIGNS SHOULD BE INSTALLED SO THAT THE MINIMUM DISTANCE FROM THE FACE OF SIGN TO THE NEAR EDGE OF SIGN IS TWO FEET.
- ALL SIGNS TO BE INSTALLED IN ACCORDANCE WITH MUTCD STANDARDS.
- ALL SIGN LOCATIONS ARE APPROXIMATIONS. CONTRACTOR SHOULD REVIEW EXISTING UTILITIES AND ROADSIDE CONDITION TO DETERMINE PLACEMENT. FINAL ADJUSTMENTS AT ENGINEER'S DISCRETION.
- ALL PAVEMENT MARKINGS SHOWN FOR REFERENCE ONLY. FOR PAVEMENT MARKING DETAILS SEE PAVEMENT MARKING PLAN SET.

LEGEND
 NEW SIGN POST

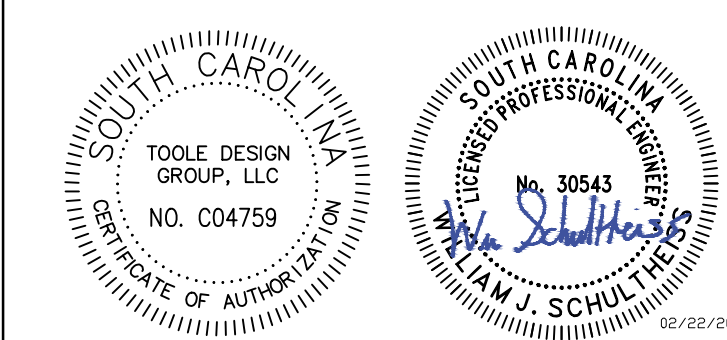
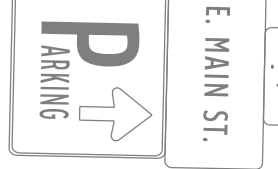
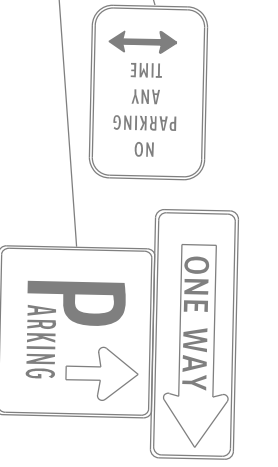
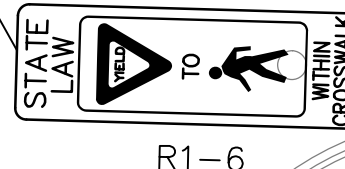
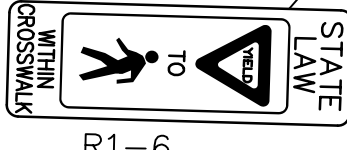


COMMERCE ST.

CONVERSE ST.

DUNBAR ST.

MAIN ST.



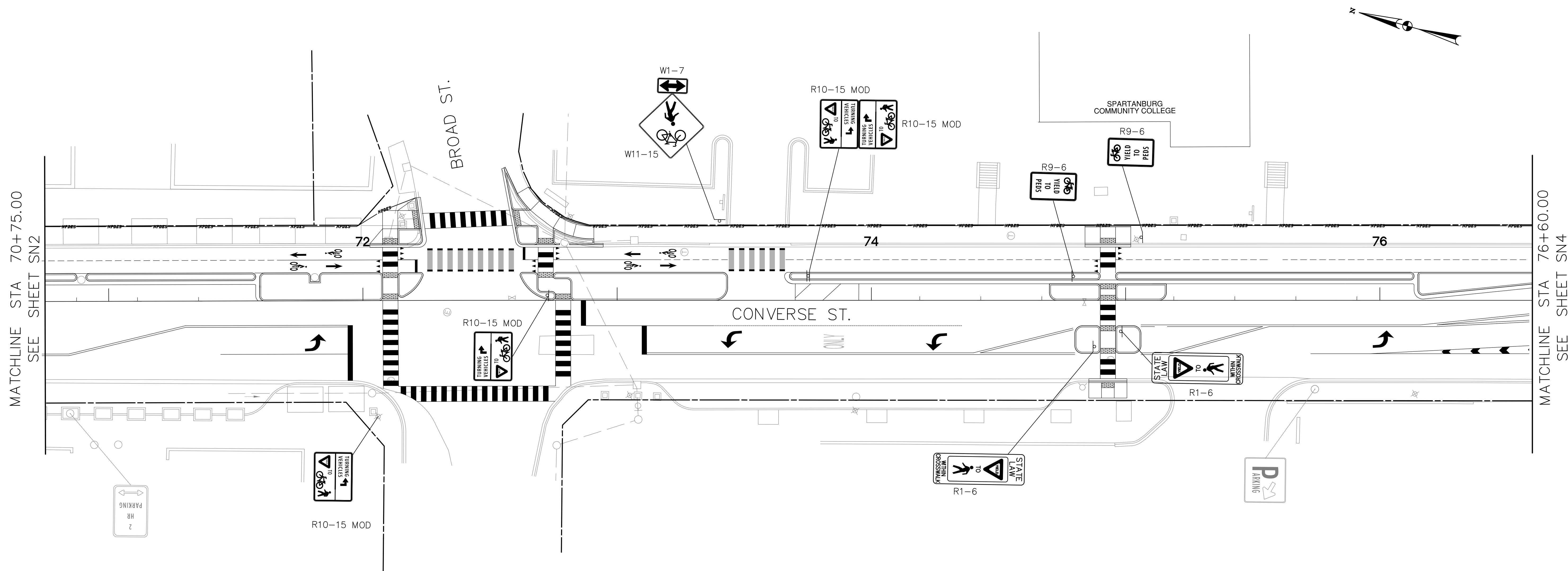
TOOLE
DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

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

MARY BLACK
 RAIL TRAIL EXTENSION
 SPARTANBURG, SC

SIGNING SHEET
 2 OF 7

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707, S-56	SN3



MATCHLINE STA 70+75.00
SEE SHEET SN2

MATCHLINE STA 76+60.00
SEE SHEET SN4

LEGEND
4 NEW SIGN POST

- NOTES:
1. SIGNS TO BE LOCATED AND INSTALLED ACCORDING TO SCDOT STD. DRAWING 650-110-01-02. SIGNS SHOULD BE INSTALLED SO THAT THE MINIMUM DISTANCE FROM THE FACE OF CURB TO THE NEAR EDGE OF SIGN IS TWO FEET.
 2. ALL SIGNS TO BE INSTALLED IN ACCORDANCE WITH MUTCD STANDARDS.
 3. ALL SIGN LOCATIONS ARE APPROXIMATIONS. CONTRACTOR SHOULD REVIEW EXISTING UTILITIES AND ROADSIDE CONDITION TO DETERMINE PLACEMENT. FINAL ADJUSTMENTS AT ENGINEERS DISCRETION.
 4. ALL PAVEMENT MARKINGS SHOWN FOR REFERENCE ONLY. FOR PAVEMENT MARKING DETAILS SEE PAVEMENT MARKING PLAN SET.



WILLIAM J. SCHULTE
No. 30543
SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER

TOOLE DESIGN GROUP, LLC
No. C04759
SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER

TOOLE
DESIGN

172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

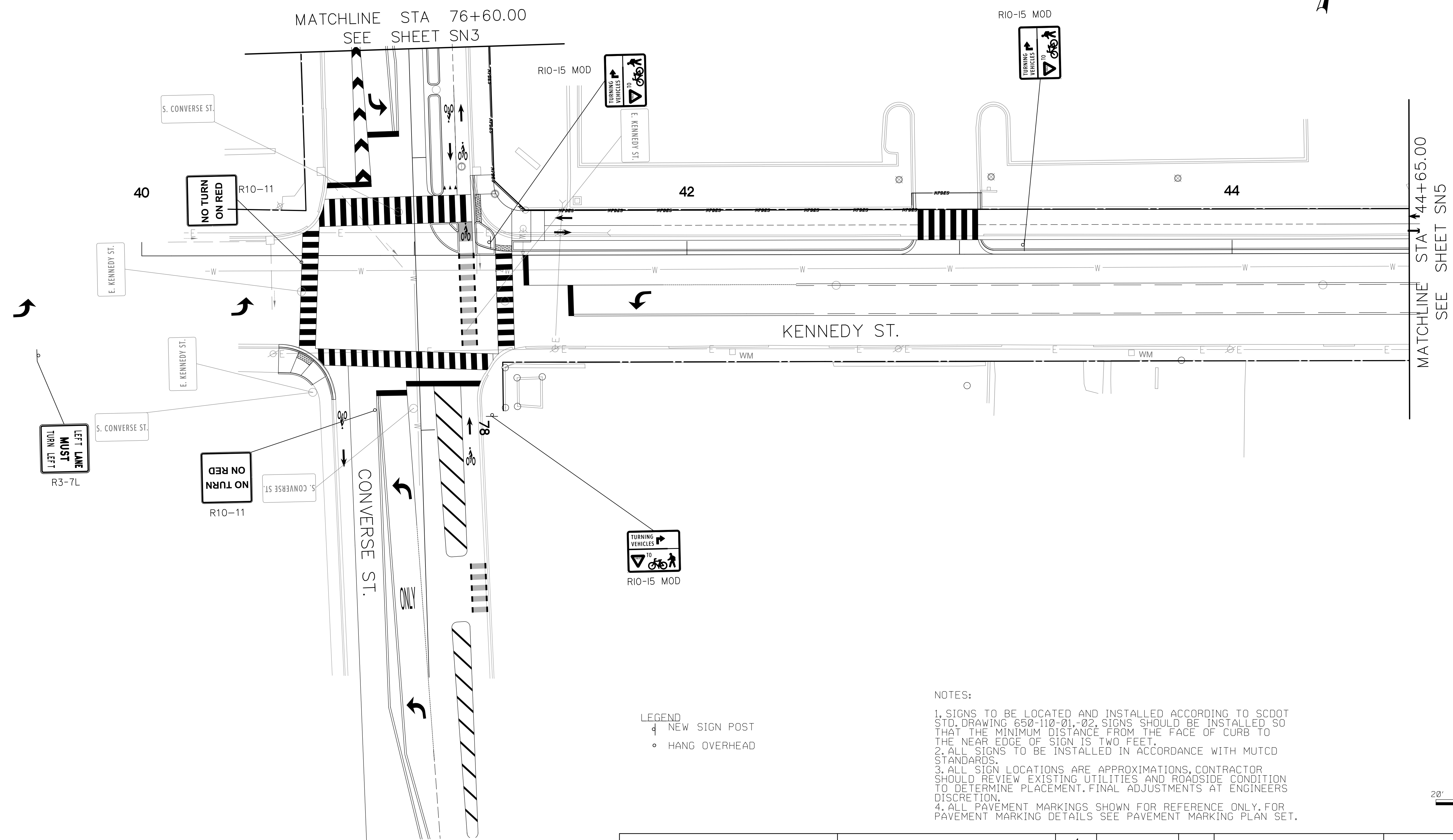
4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	SQUAD
R/W		DATE	

MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

SIGNING SHEET
3 OF 7

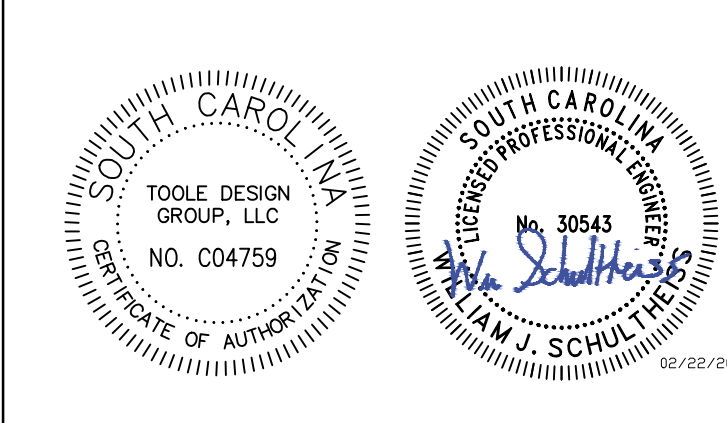
SCALE 1"= 20'
SHEET NO. SN3

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	8250, S-1707, S-56	SN4



LEGEND
 □ NEW SIGN POST
 ○ HANG OVERHEAD

NOTES:
 1. SIGNS TO BE LOCATED AND INSTALLED ACCORDING TO SCDOT STD. DRAWING 650-110-01, -02. SIGNS SHOULD BE INSTALLED SO THAT THE MINIMUM DISTANCE FROM THE FACE OF CURB TO THE NEAR EDGE OF SIGN IS TWO FEET.
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TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

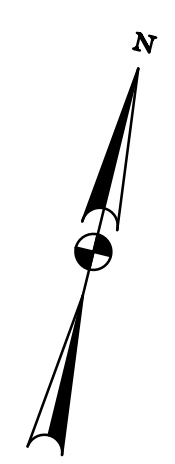
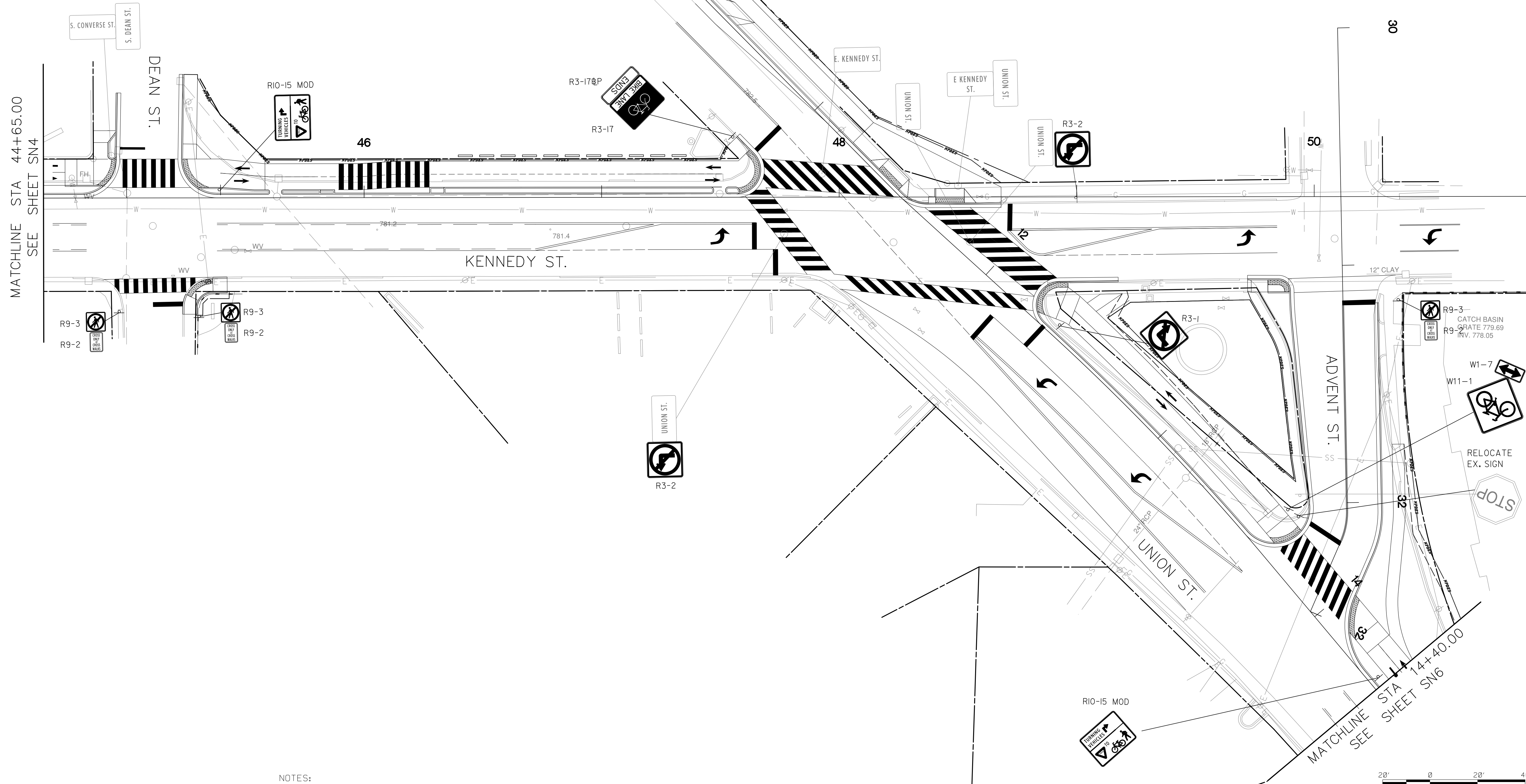
4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	SQUAD
R/W		DATE	

MARY BLACK
 RAIL TRAIL EXTENSION
 SPARTANBURG, SC

SIGNING SHEET
 4 OF 7

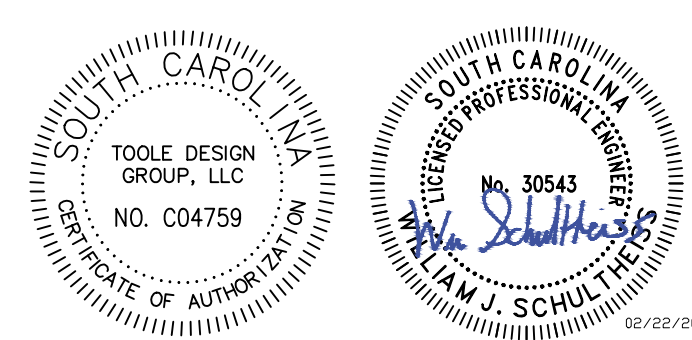
SCALE 1"= 20' SHEET NO. SN4

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707, S-56	27



LEGEND
 4 NEW SIGN POST

NOTES:
 1. SIGNS TO BE LOCATED AND INSTALLED ACCORDING TO SCDOT STD. DRAWING 650-110-01-02, SIGNS SHOULD BE INSTALLED SO THAT THE MINIMUM DISTANCE FROM THE FACE OF CURB TO THE NEAR EDGE OF SIGN IS TWO FEET.
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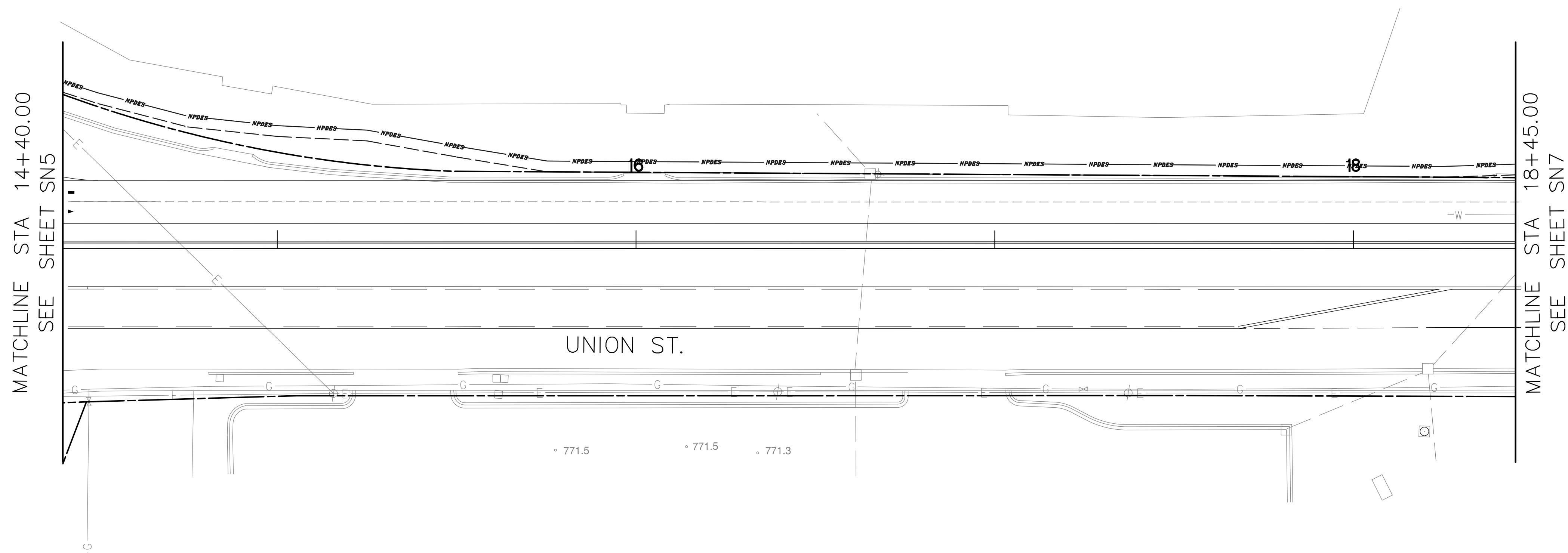
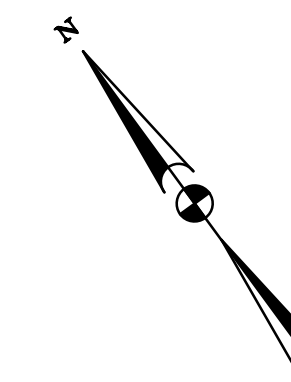
TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

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

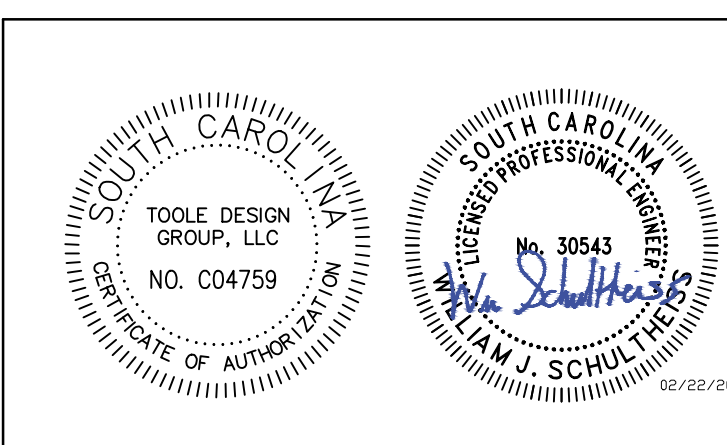
MARY BLACK
 RAIL TRAIL EXTENSION
 SPARTANBURG, SC

SIGNING SHEET
 5 OF 7

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	S 250, S-1707 S-56	SN6



NOTE:
NO PROPOSED SIGN WORK
ON THIS SHEET.



TOOLE
DESIGN
172 E. MAIN STREET, SUITE 300
SPARTANBURG, SC 29306

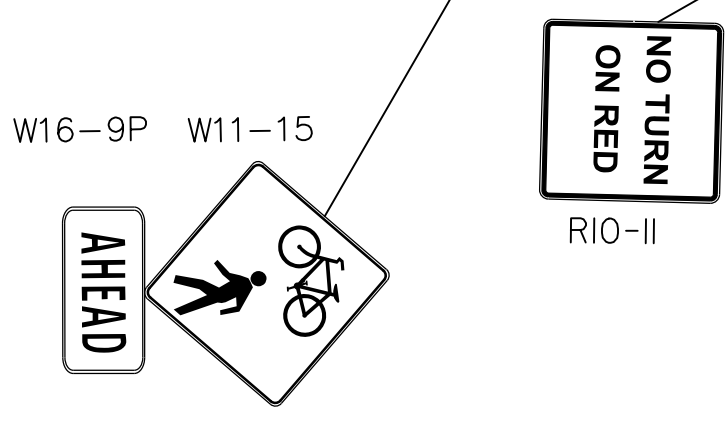
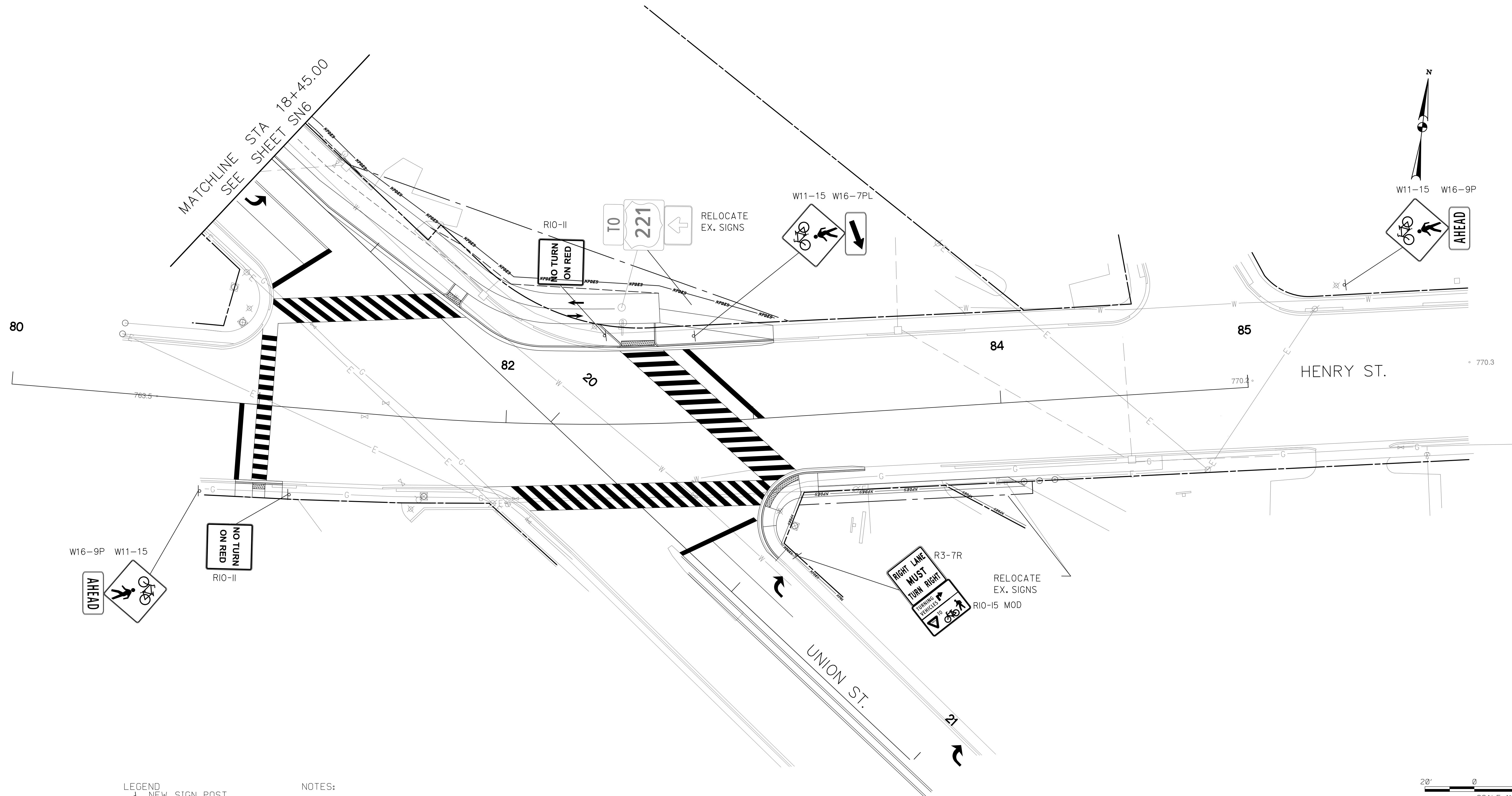
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3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	SQUAD
R/W		DATE	

MARY BLACK
RAIL TRAIL EXTENSION
SPARTANBURG, SC

SIGNING SHEET
6 OF 7

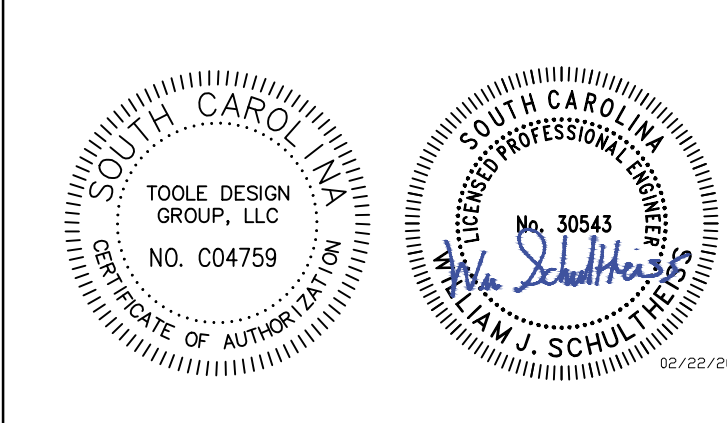
SCALE 1"= 20' SHEET NO. SN6

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
X	S.C.	SPARTANBURG	P028136	8250, S-1707, S-56	SN7



LEGEND
d NEW SIGN POST

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TOOLE DESIGN
 172 E. MAIN STREET, SUITE 300
 SPARTANBURG, SC 29306

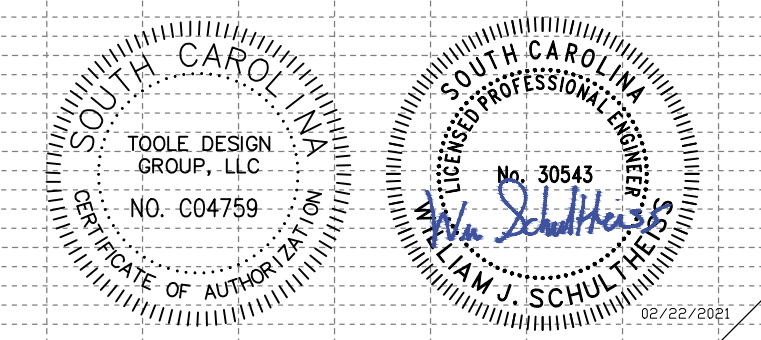
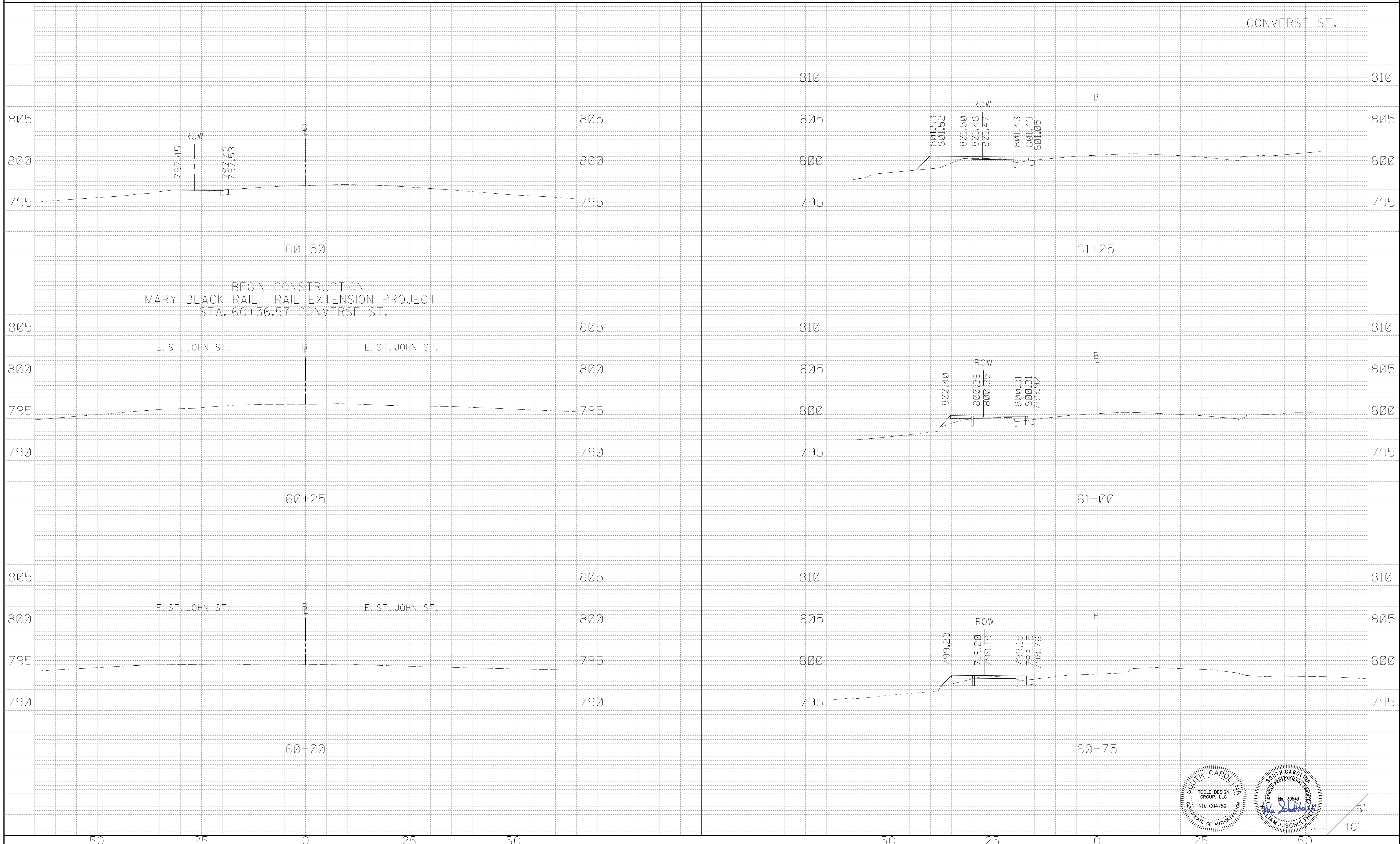
4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	SQUAD
R/W		DATE	

MARY BLACK
 RAIL TRAIL EXTENSION
 SPARTANBURG, SC

SIGNING SHEET
 7 OF 7

SCALE 1"= 20' SHEET NO. SN7

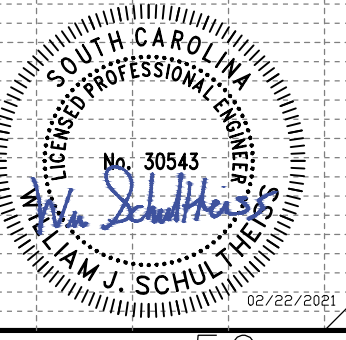
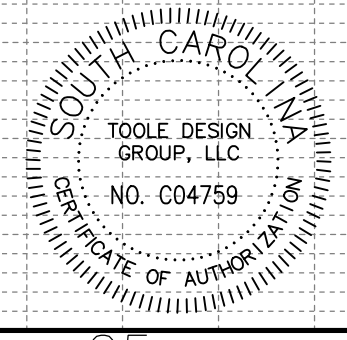
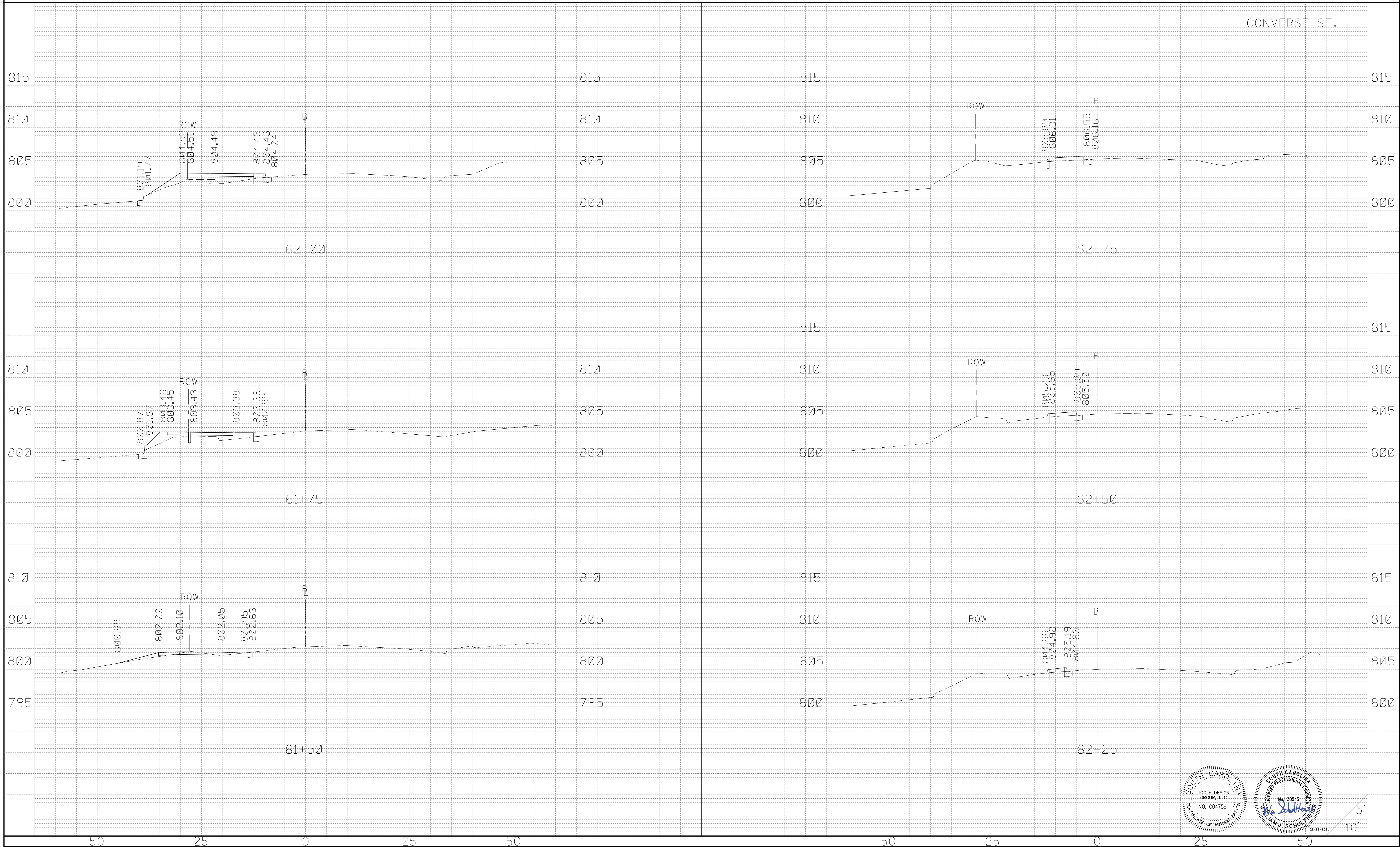
FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	XI



5'
10'

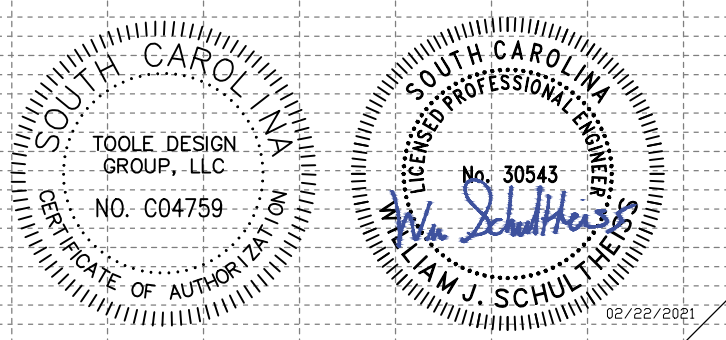
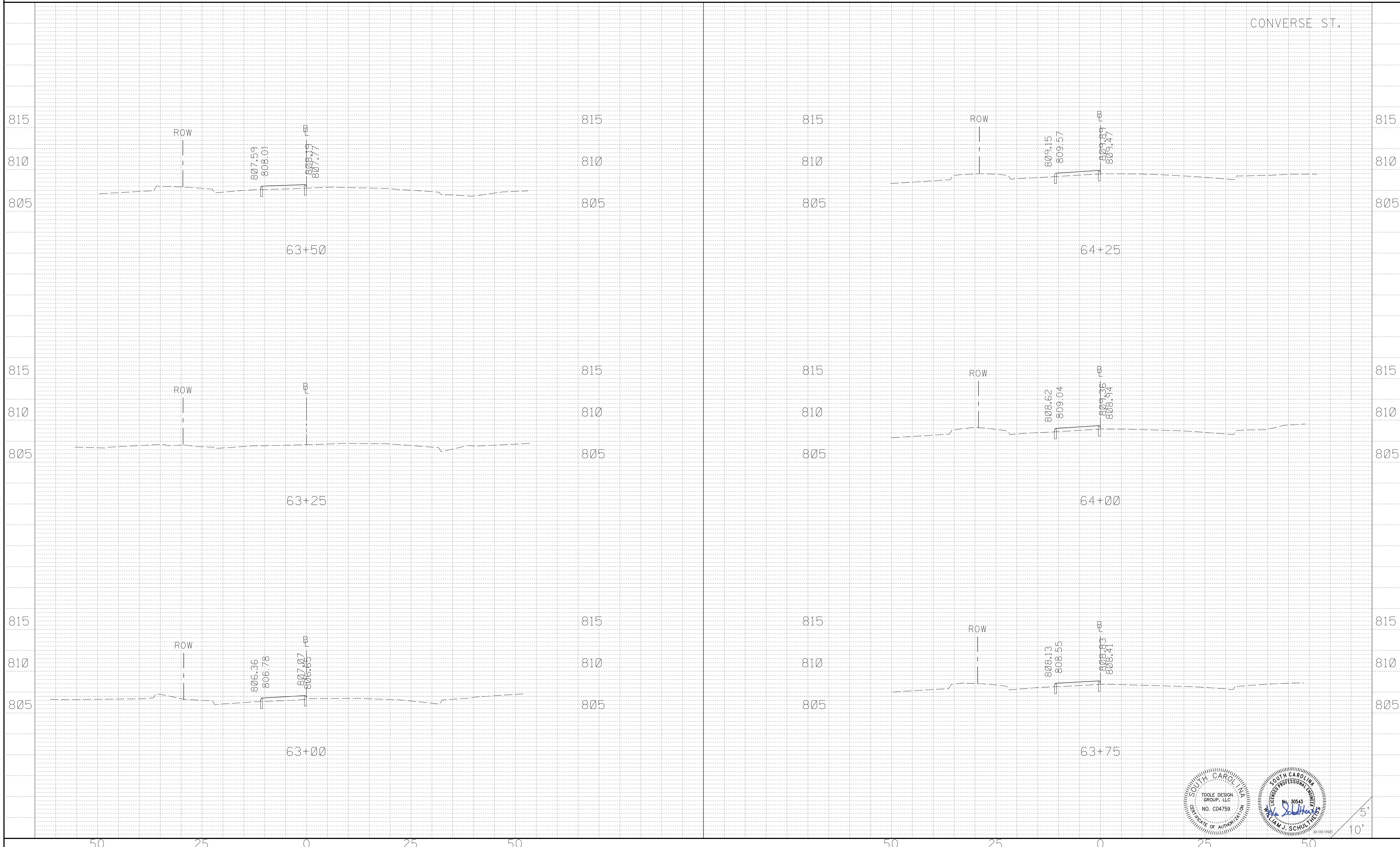
FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	X2

CONVERSE ST.

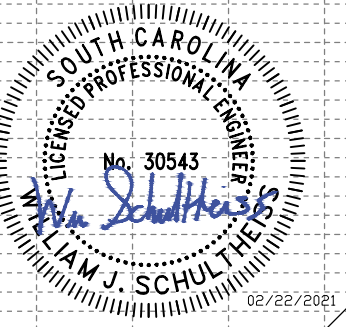
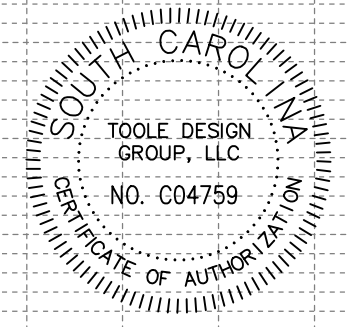
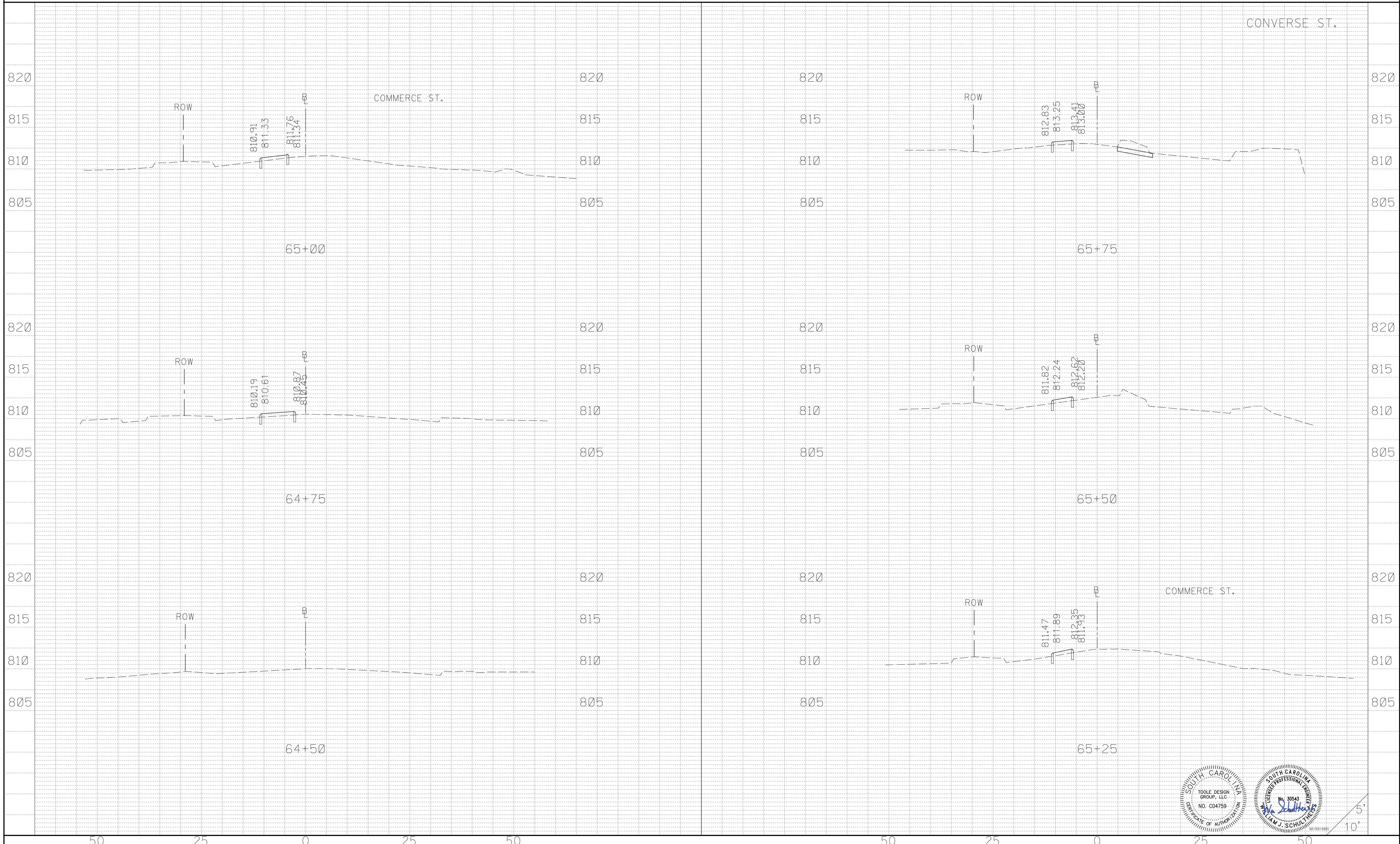


5'
10'

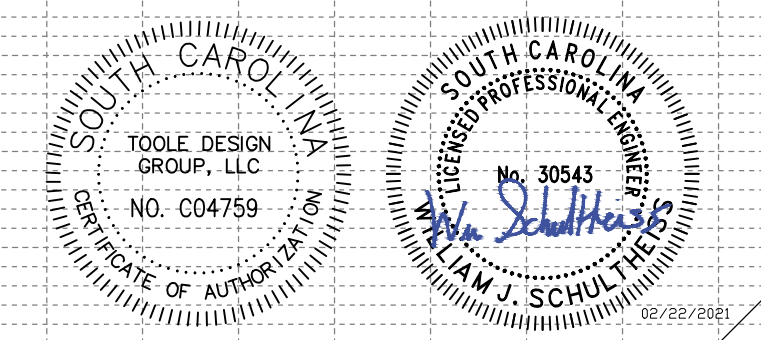
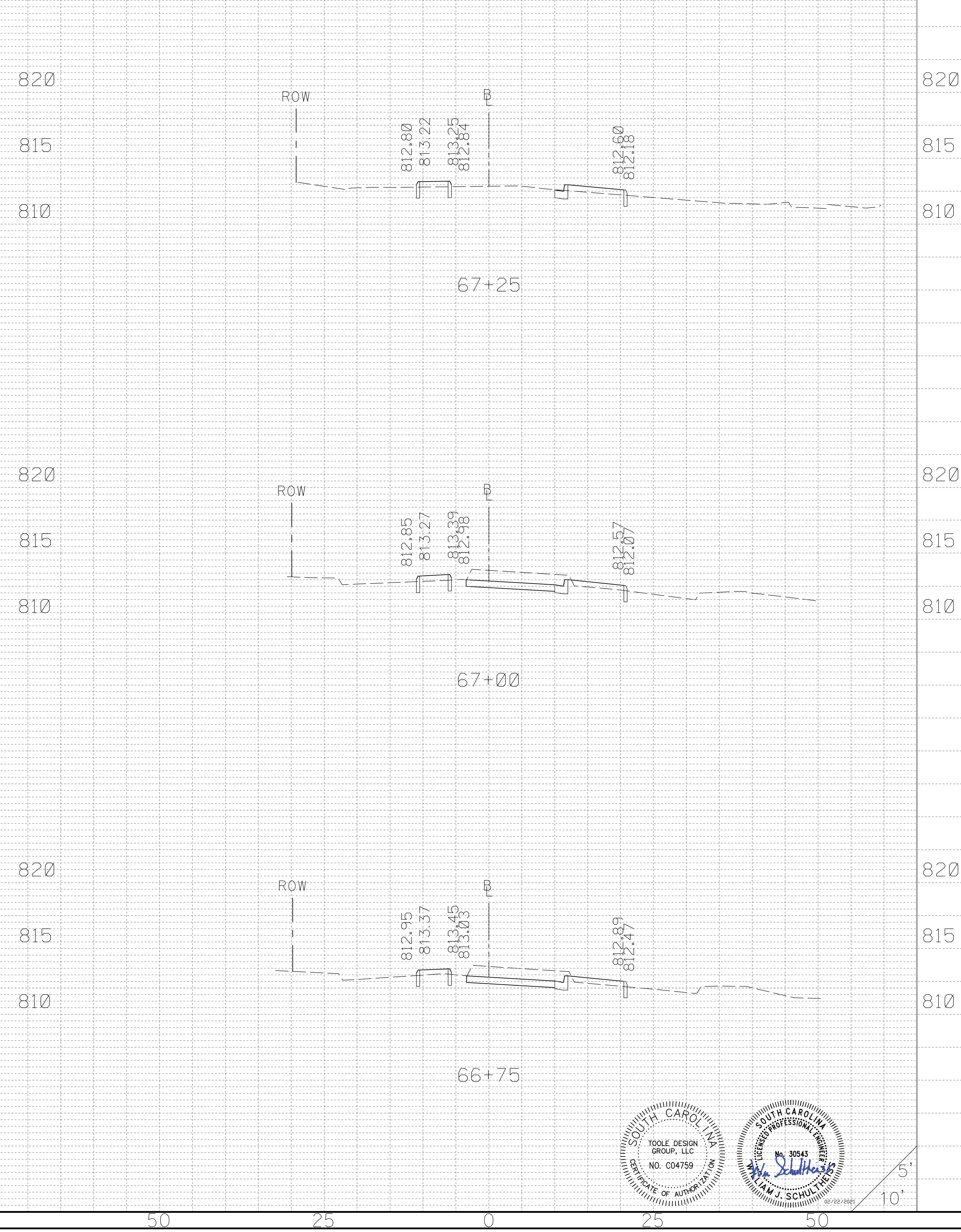
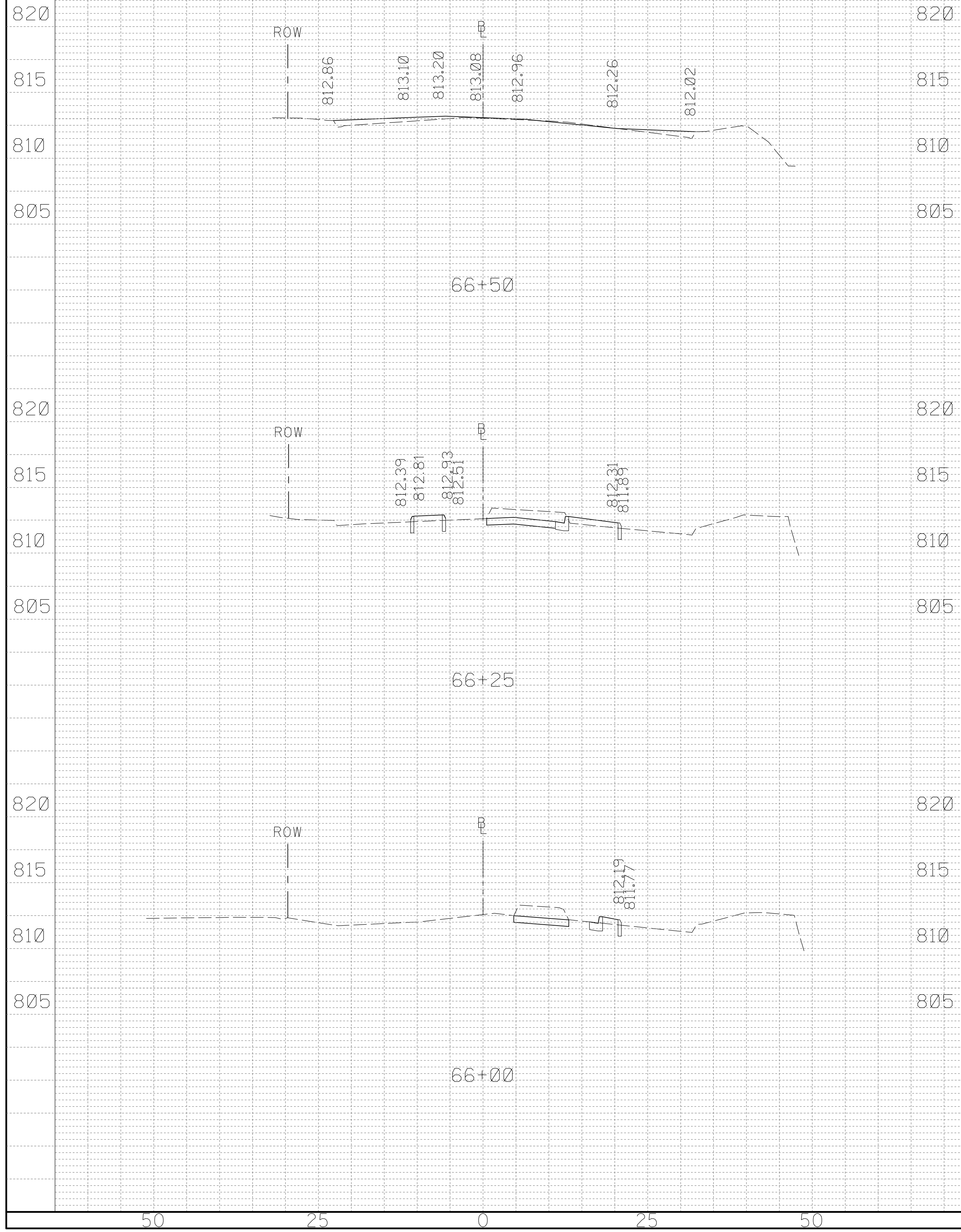
CONVERSE ST.



5'
10'



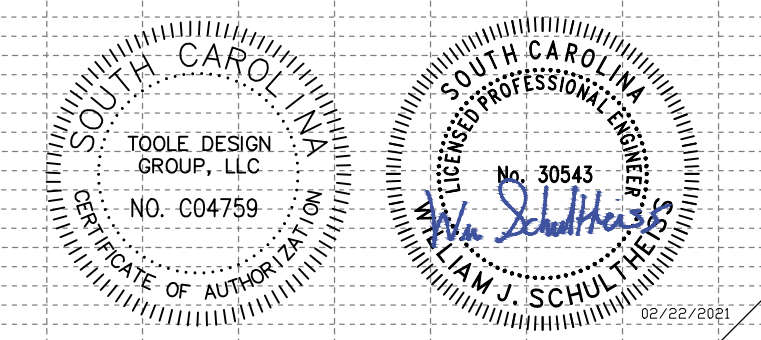
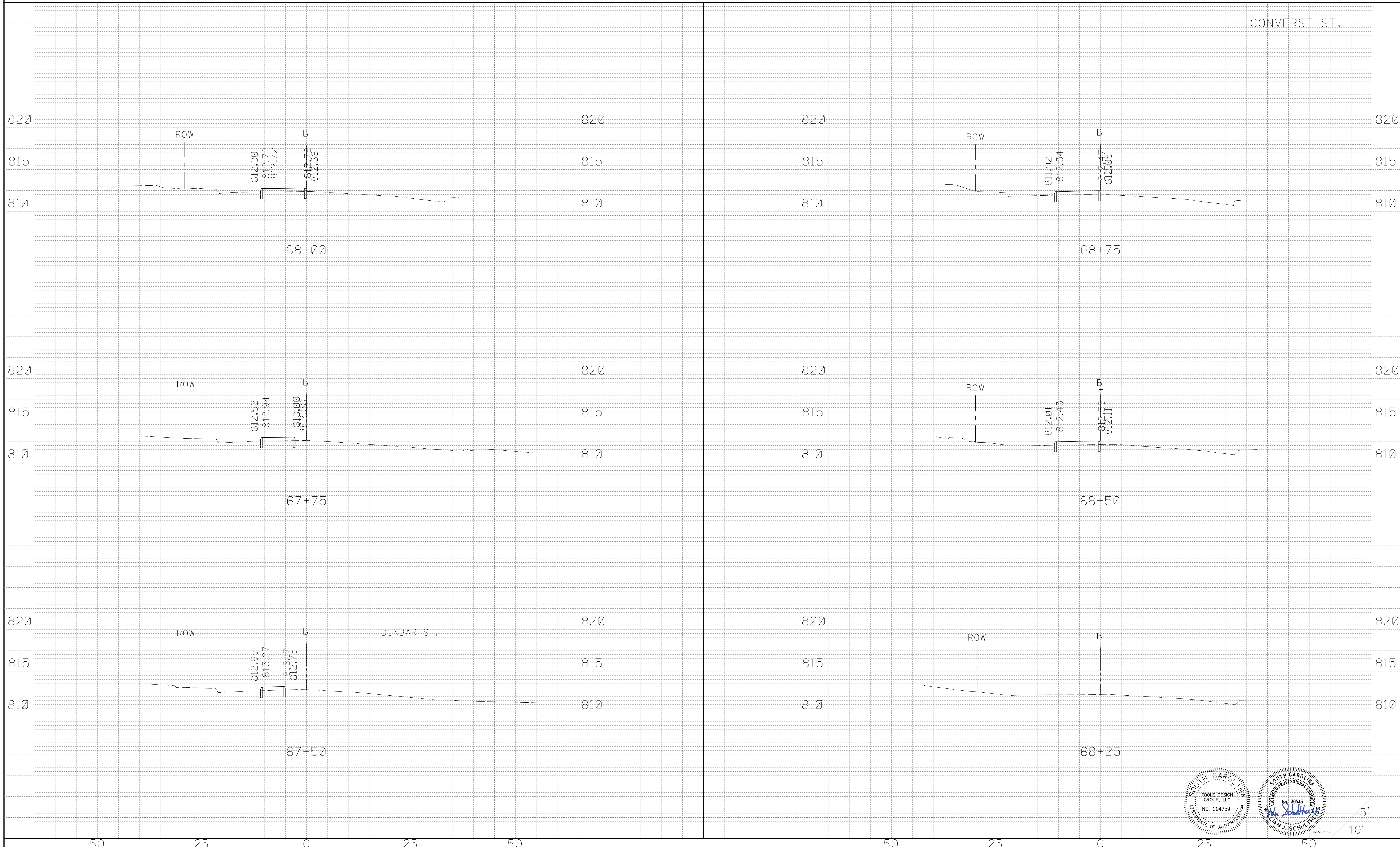
CONVERSE ST.



5'
10'

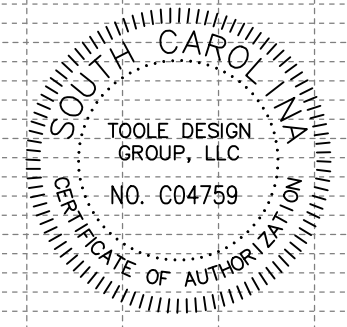
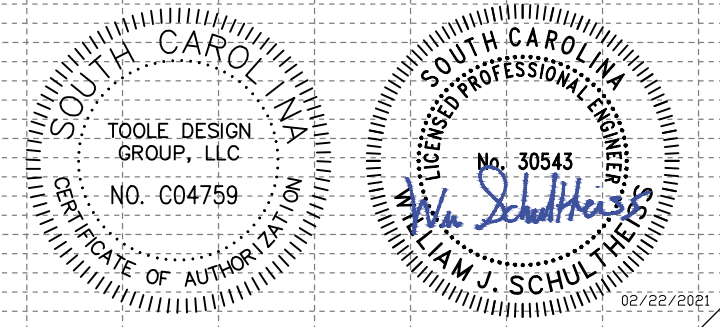
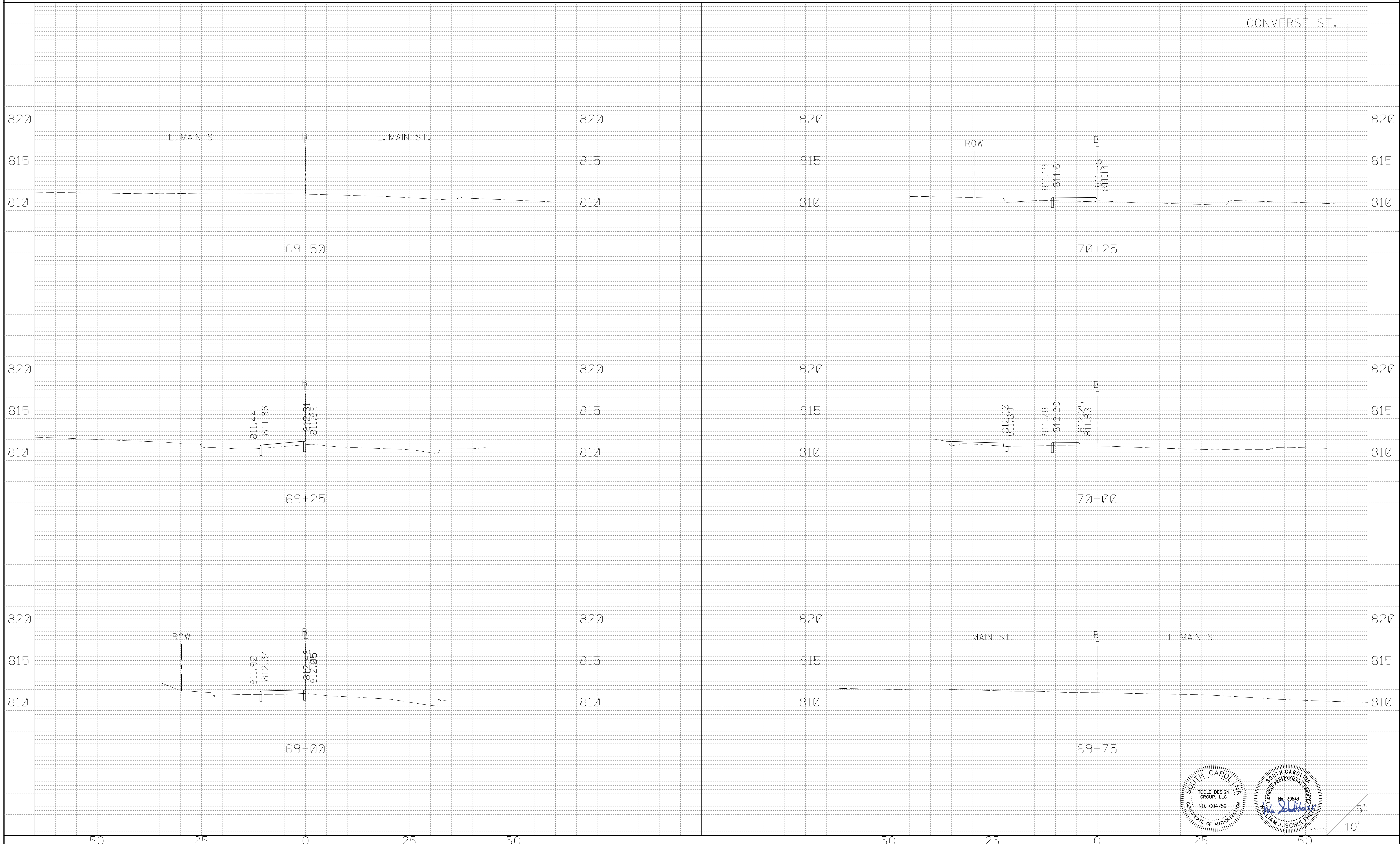
FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	X6

CONVERSE ST.



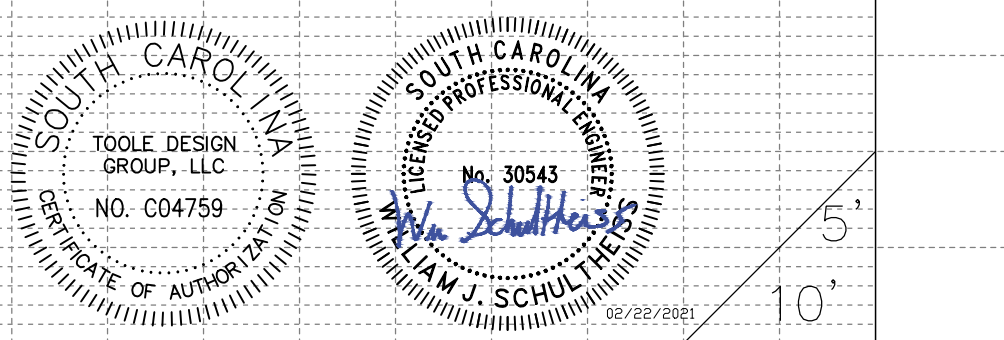
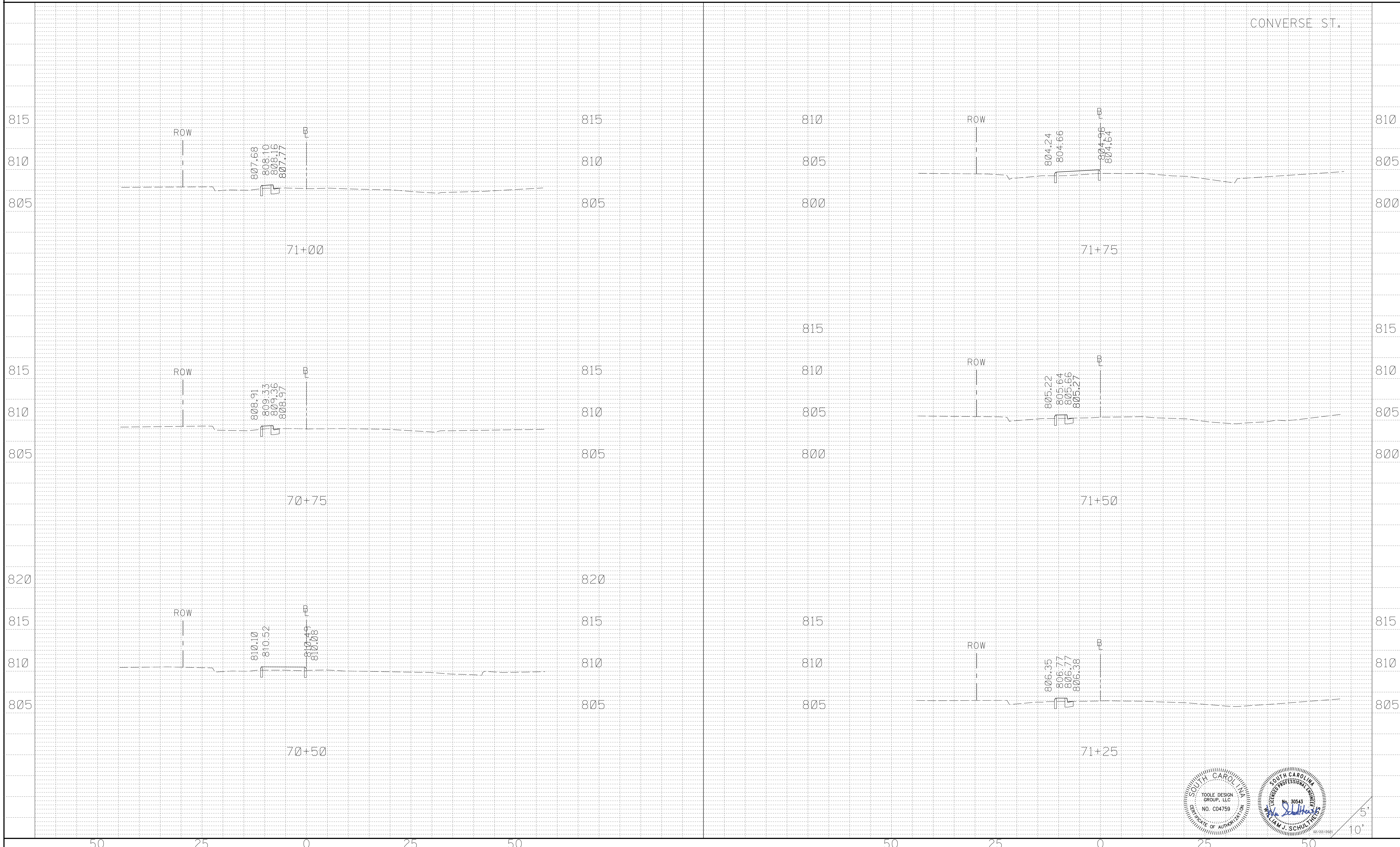
5'
10'

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	X7



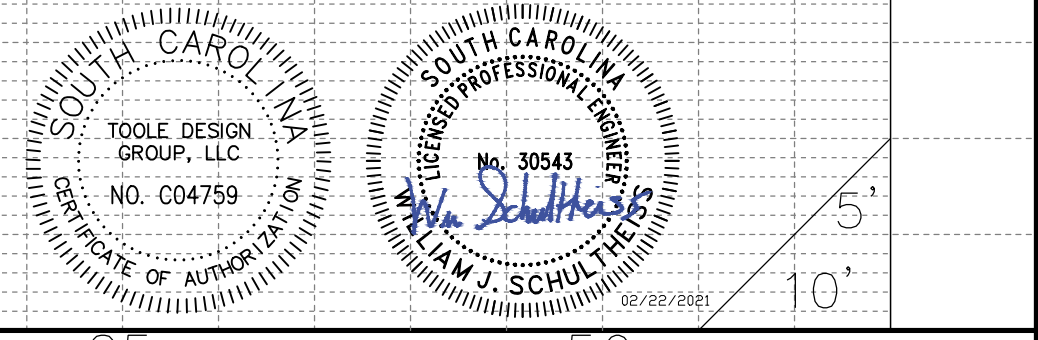
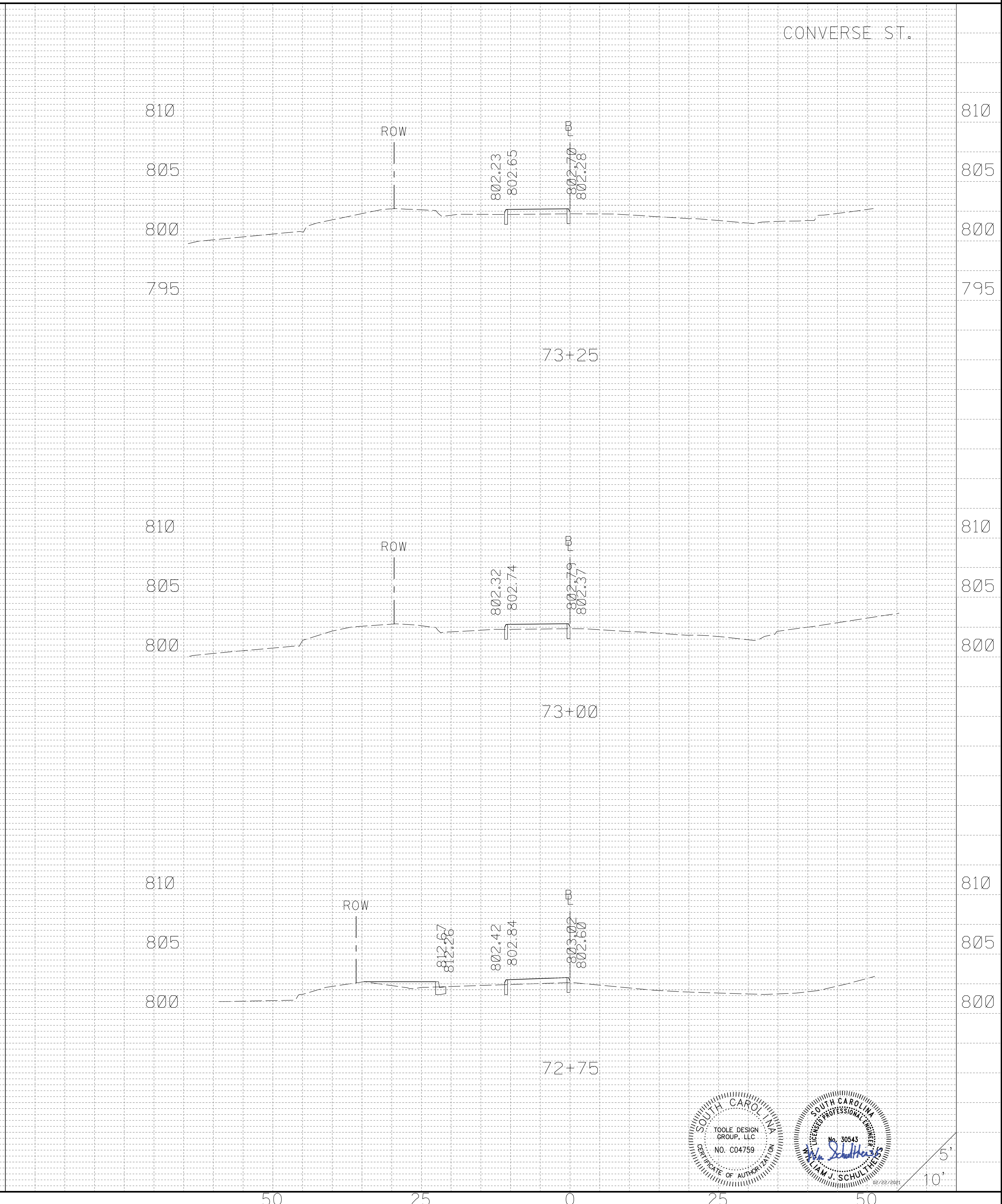
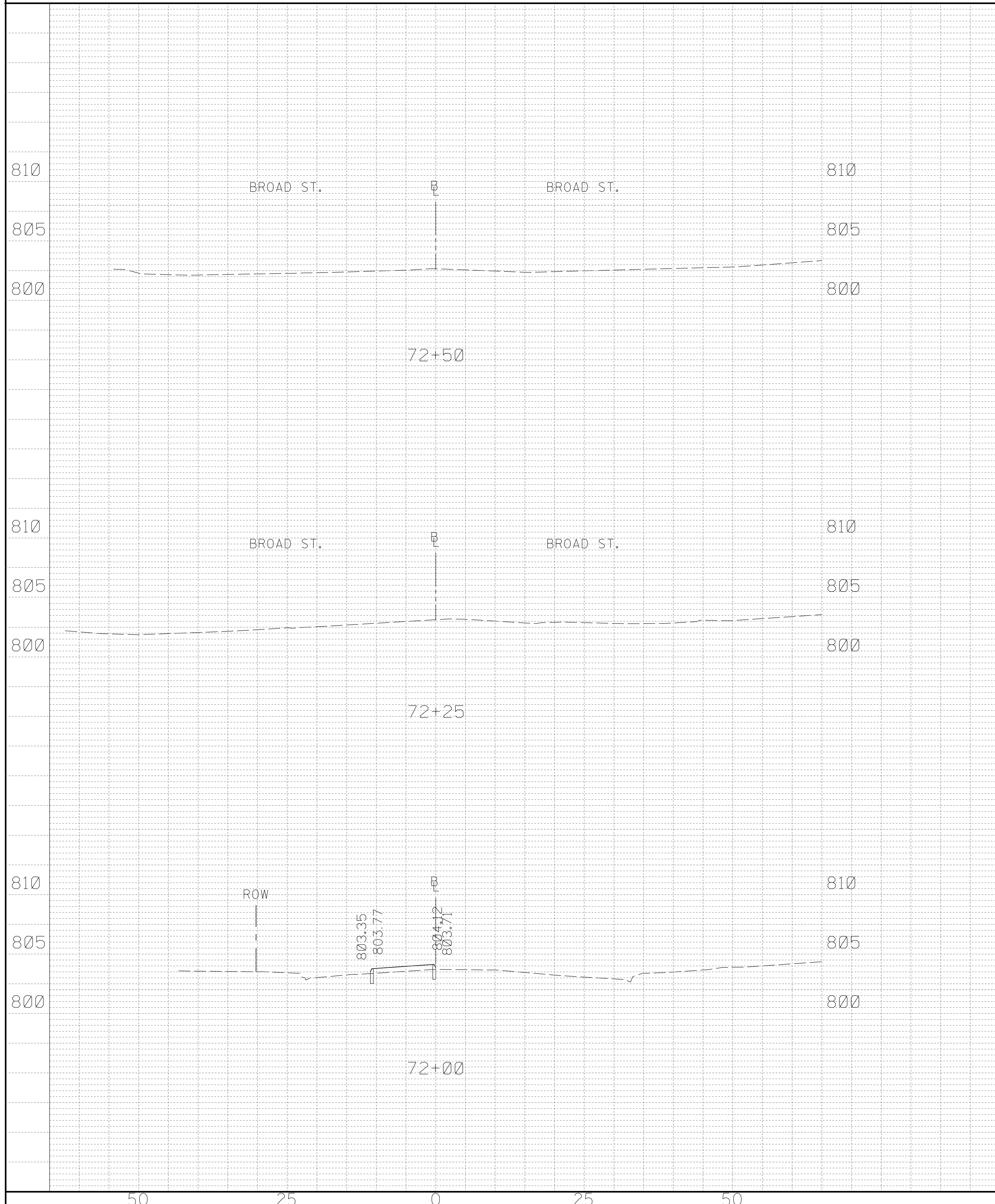
FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	X8

CONVERSE ST.



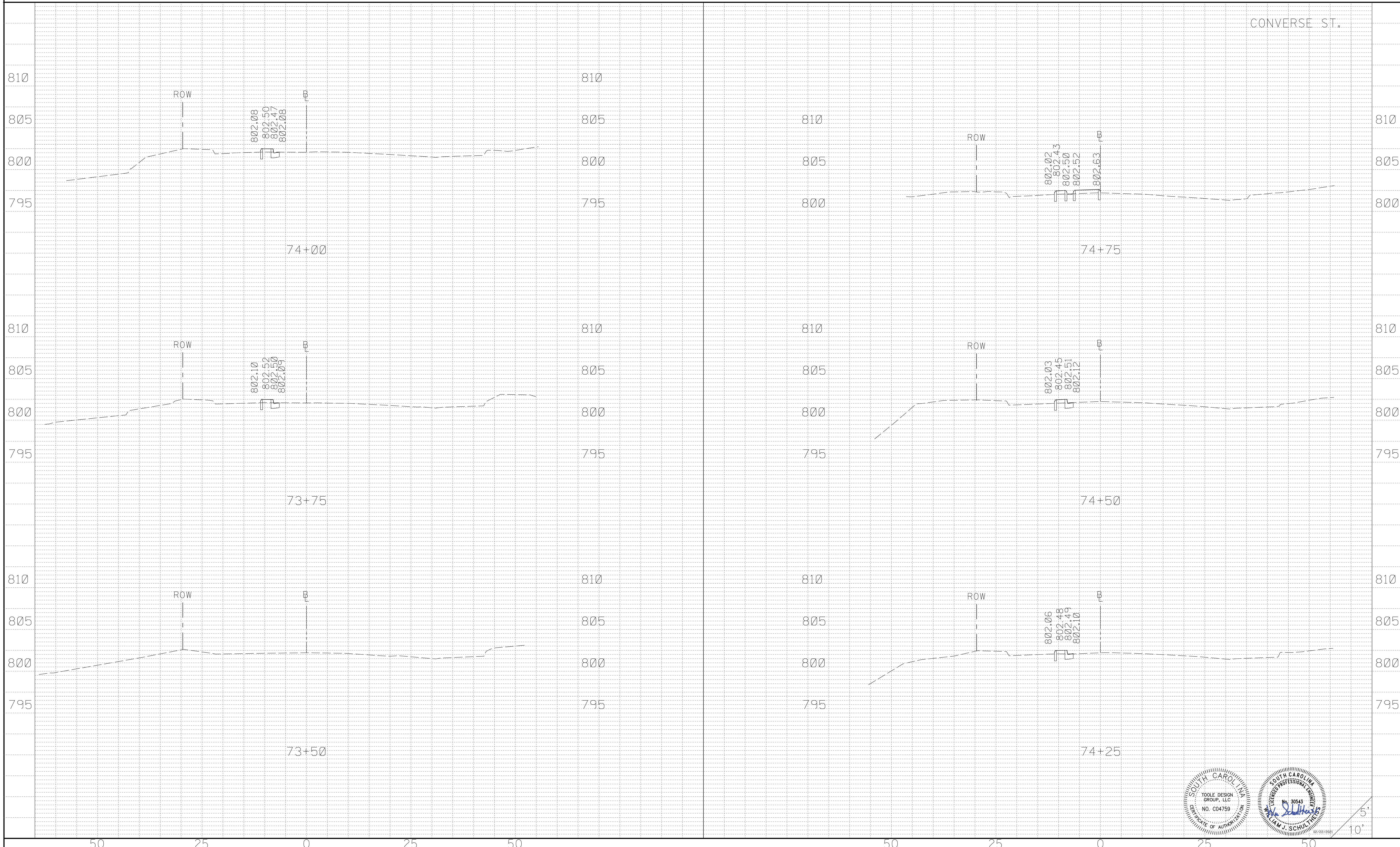
5'
10'

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	X9



FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	X10

CONVERSE ST.

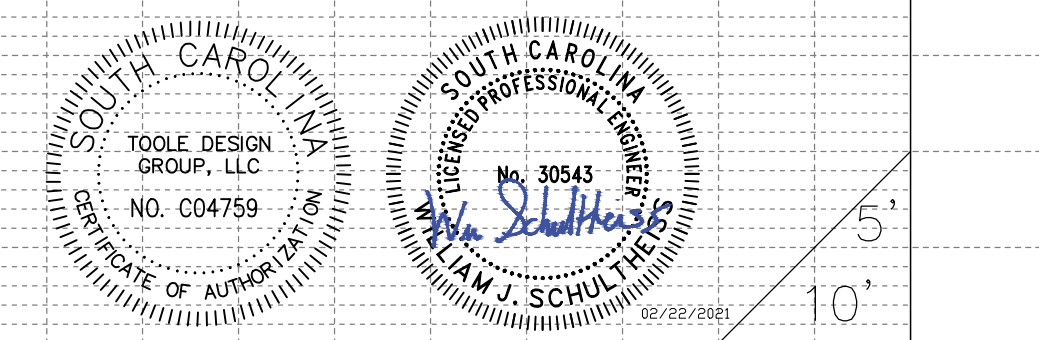
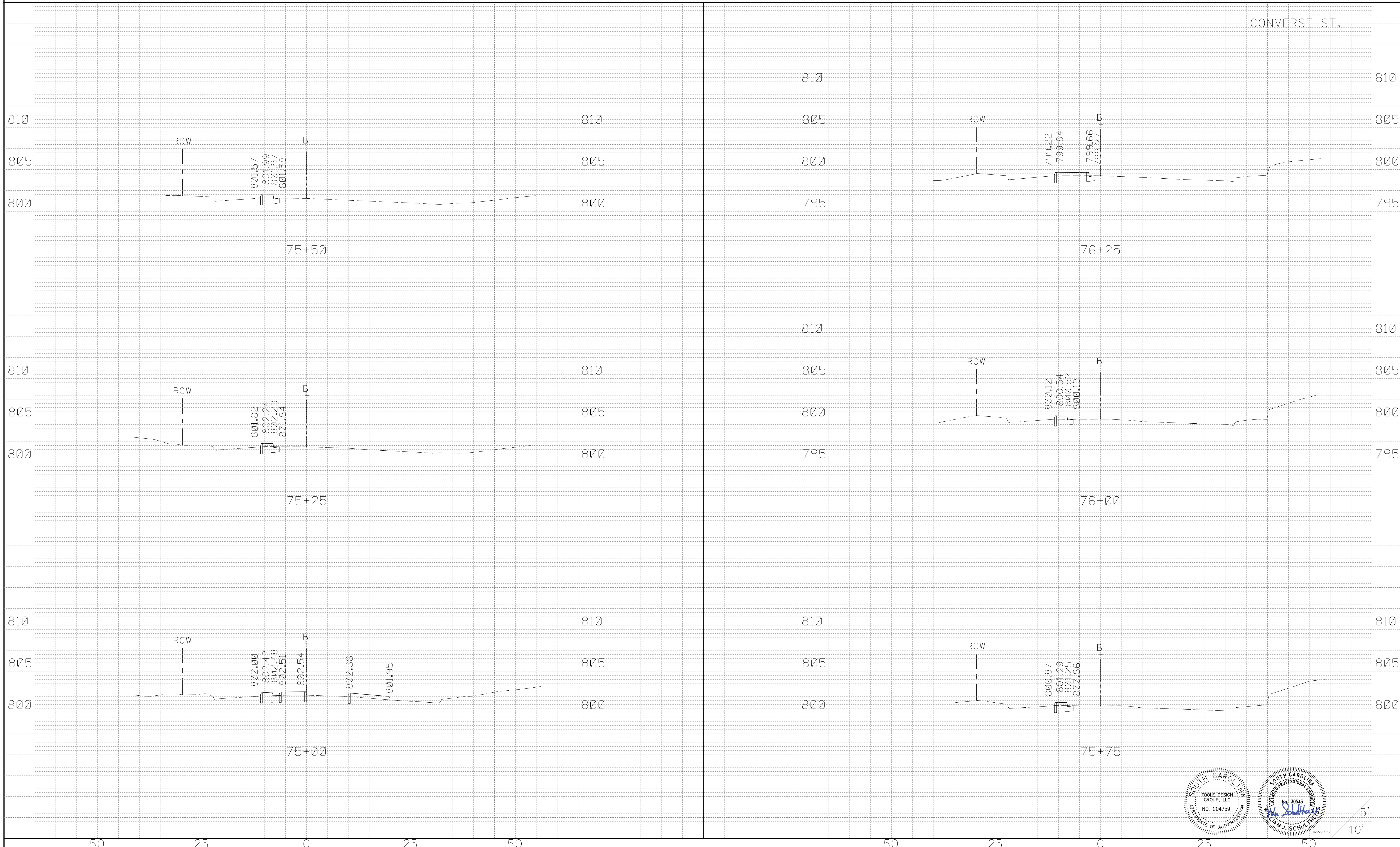


5'
10'

TOOLE DESIGN GROUP, LLC
NO. C04759
STATE OF SOUTH CAROLINA

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	X11

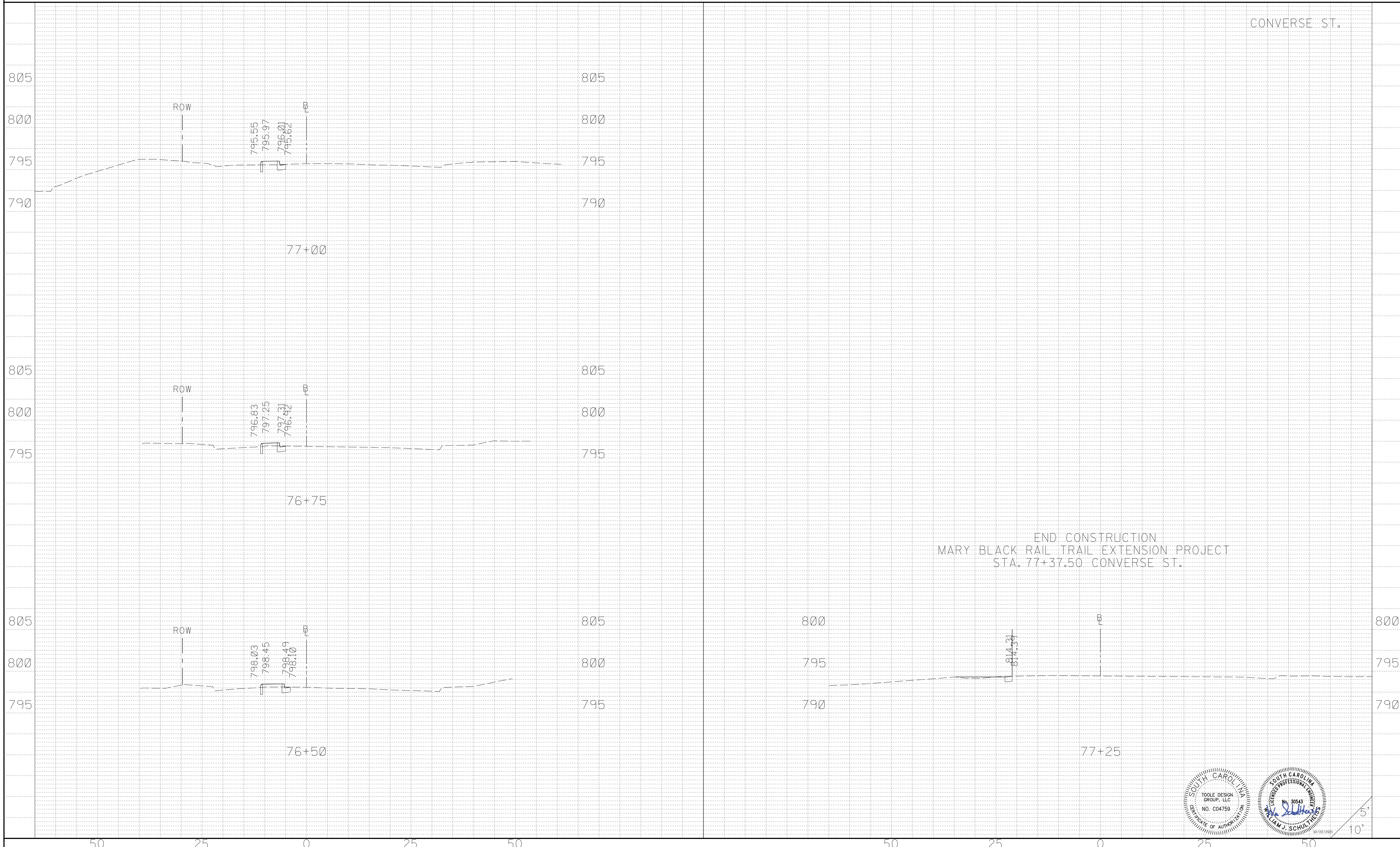
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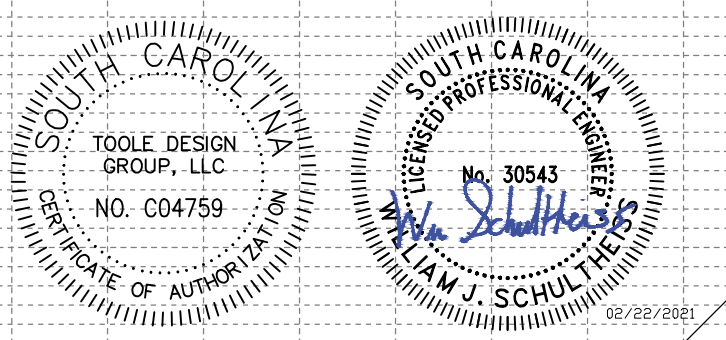
5'
10'

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	X12

CONVERSE ST.

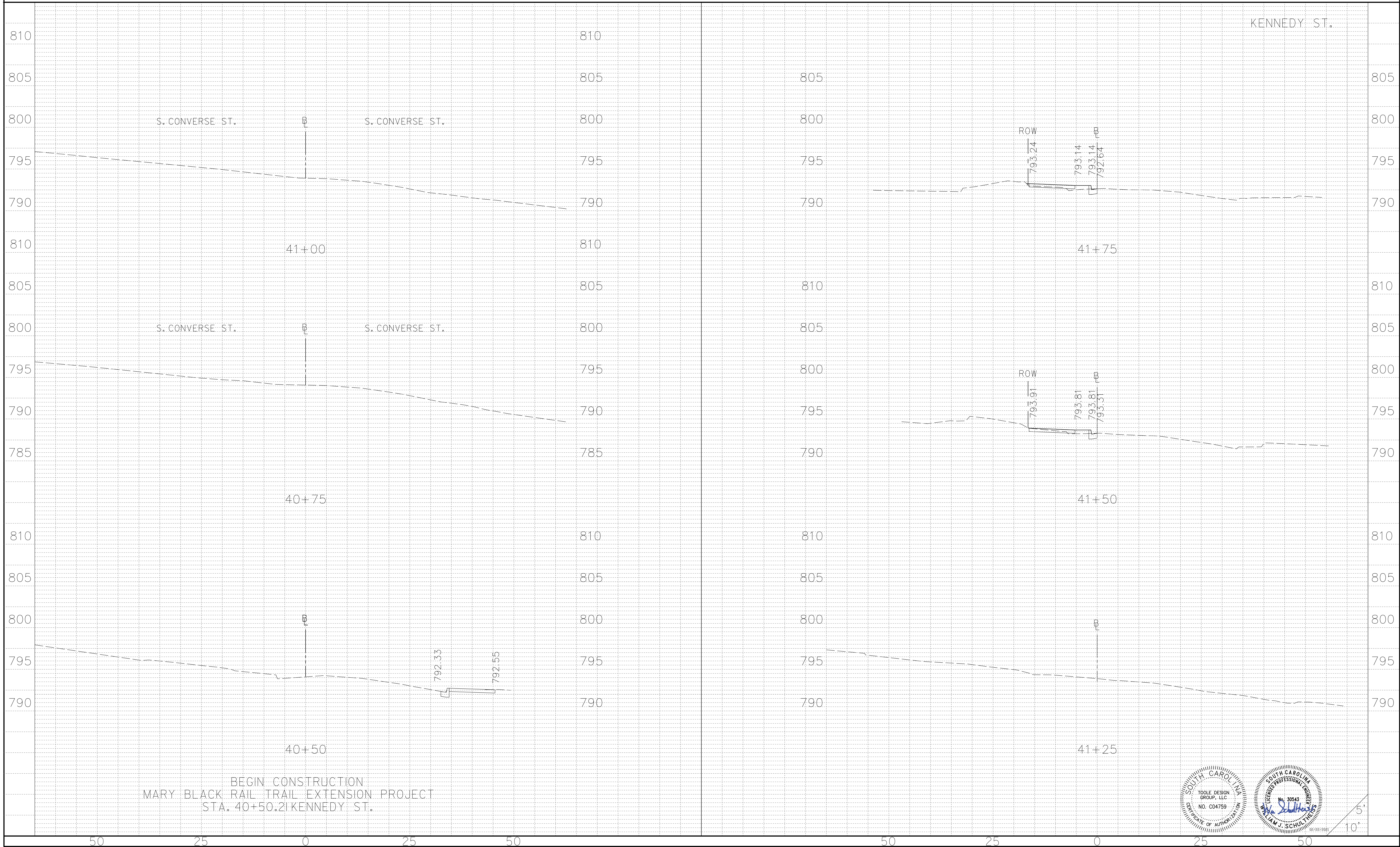


END CONSTRUCTION
 MARY BLACK RAIL TRAIL EXTENSION PROJECT
 STA. 77+37.50 CONVERSE ST.



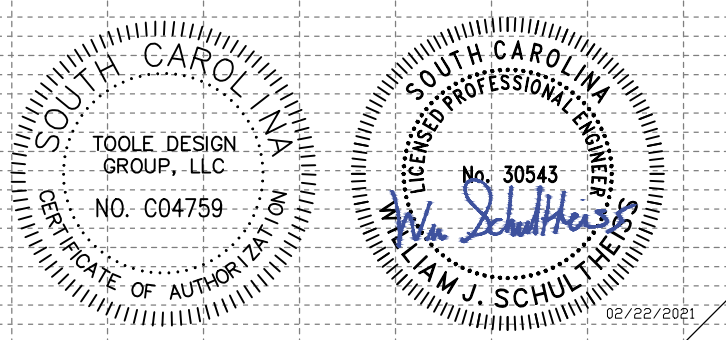
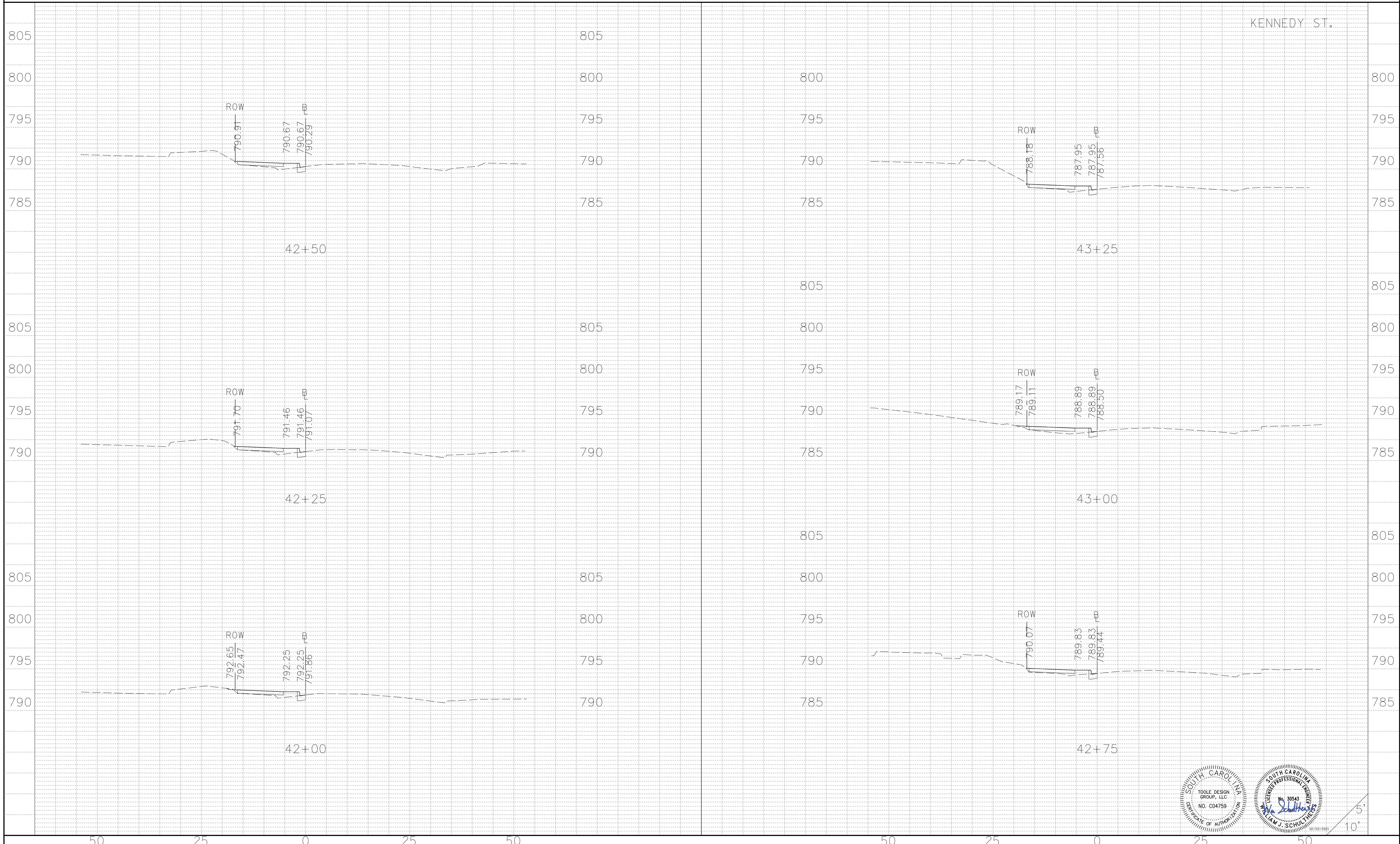
5'
10'

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	X13



FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	X14

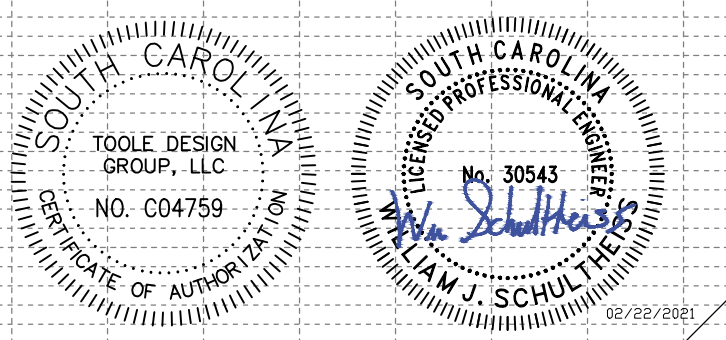
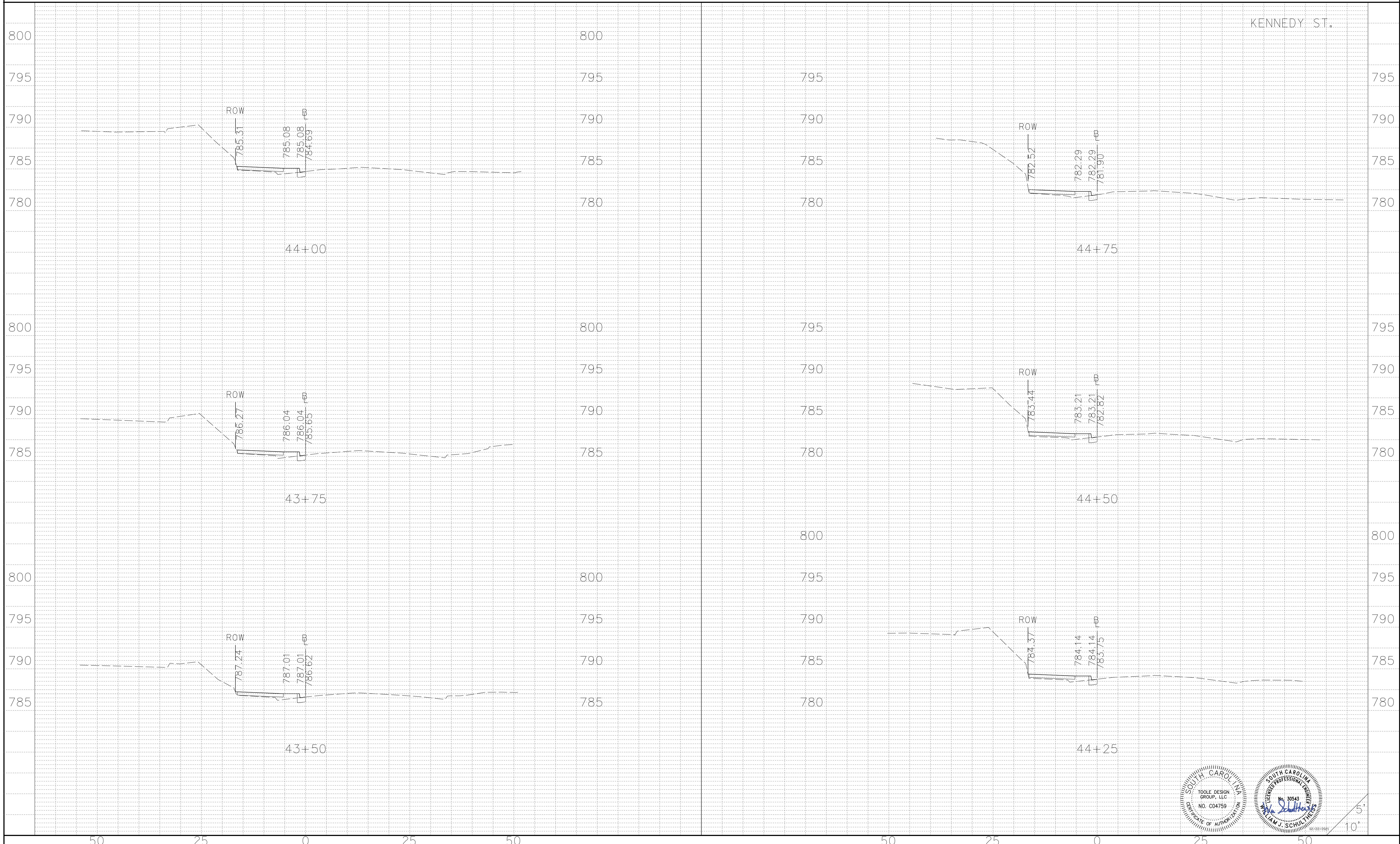
KENNEDY ST.



5'
10'

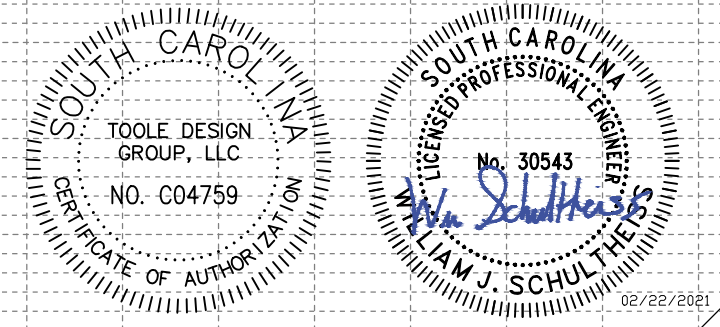
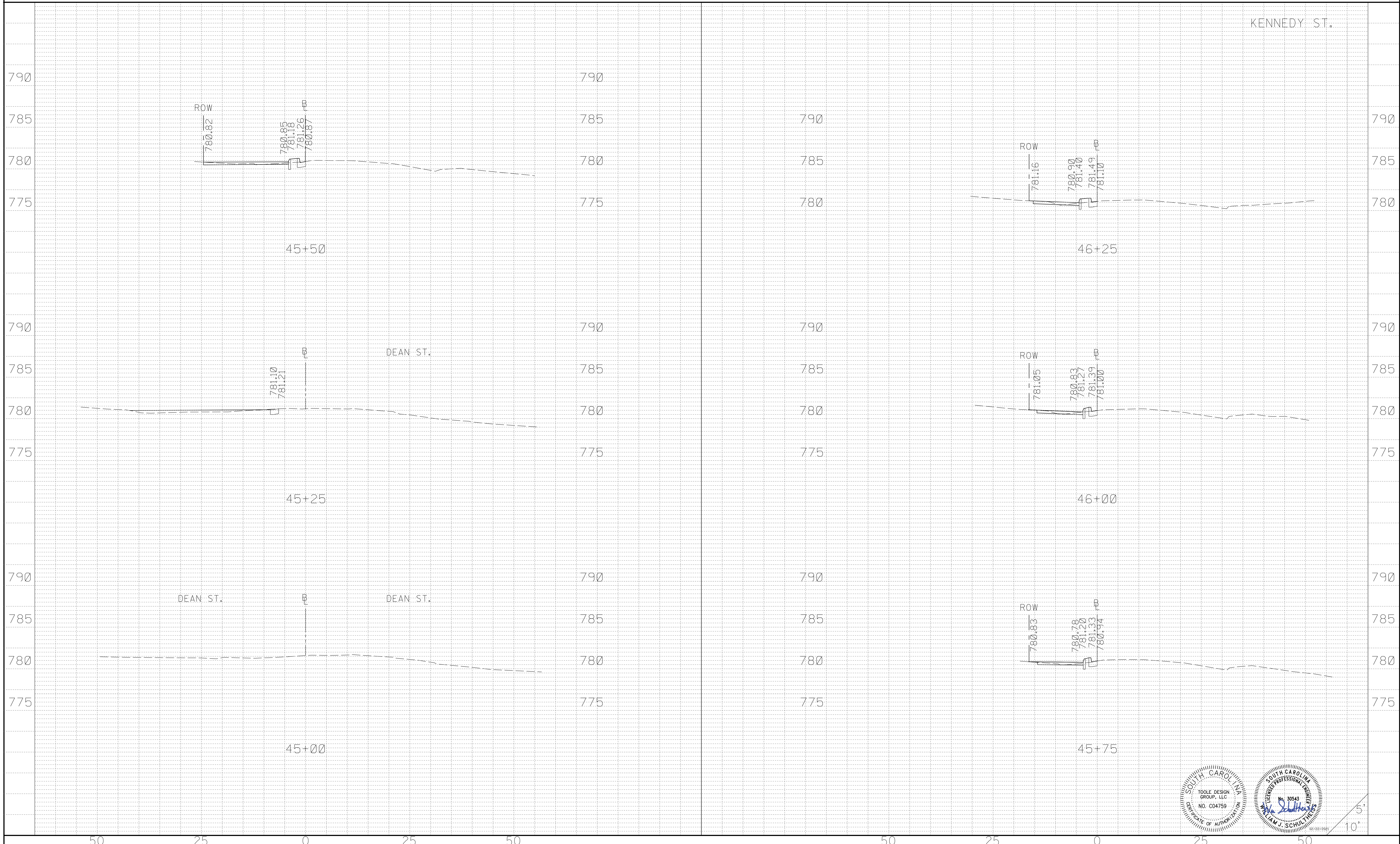
FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	X15

KENNEDY ST.



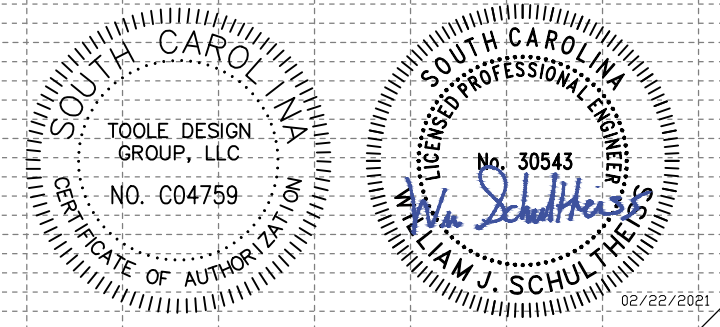
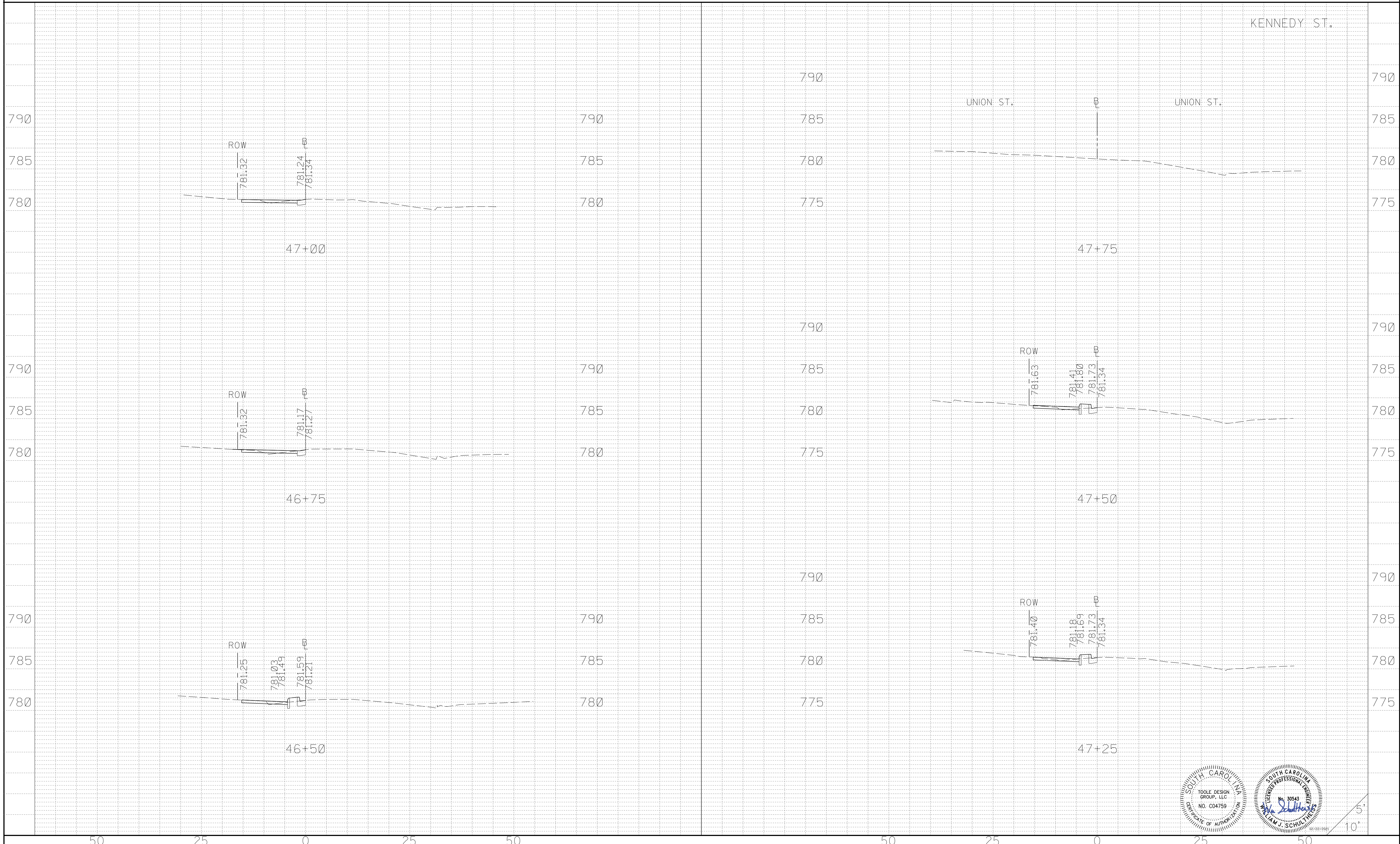
5'
10'

KENNEDY ST.



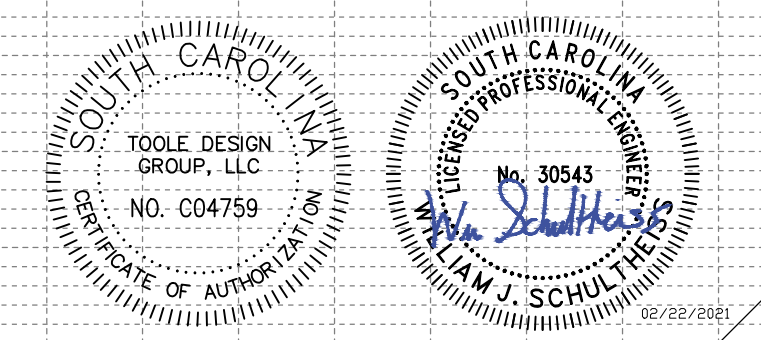
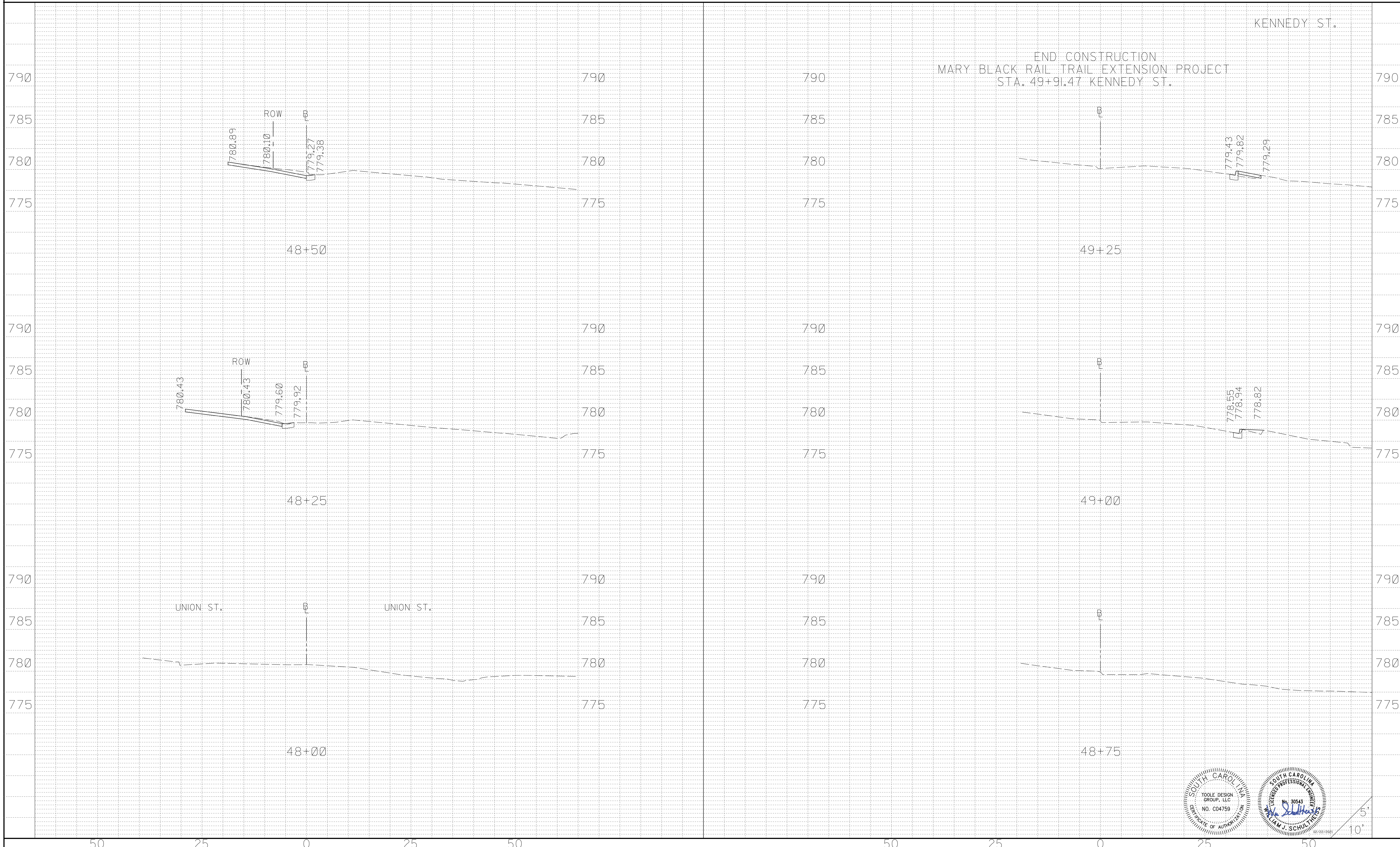
5'
10'

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	X17



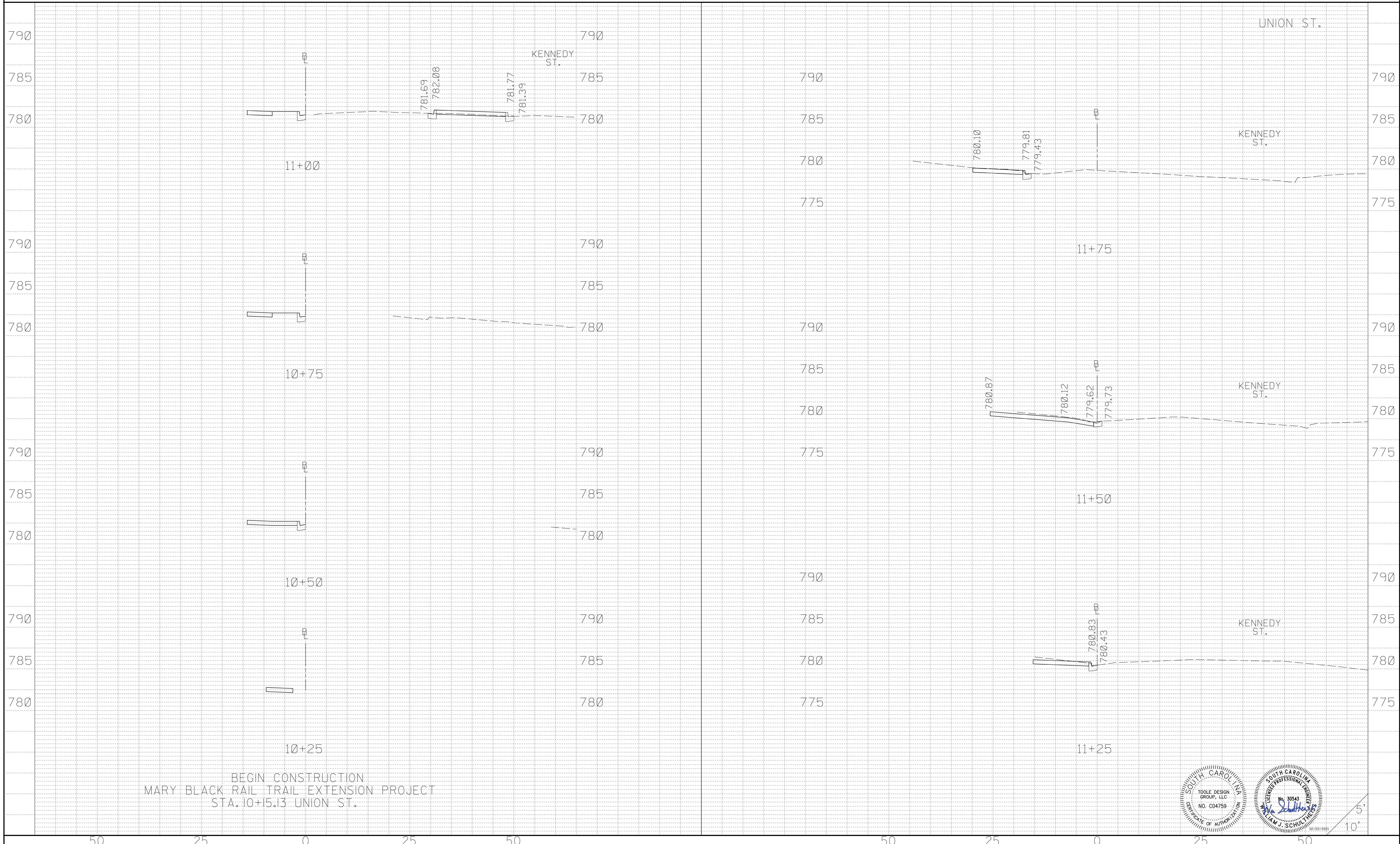
5'
10'

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	X18

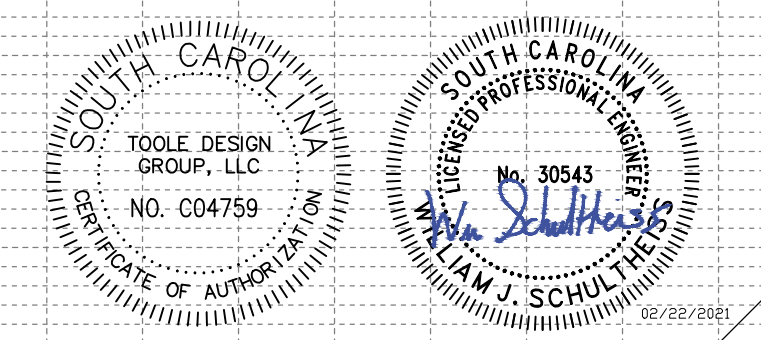


5'
10'

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	X19

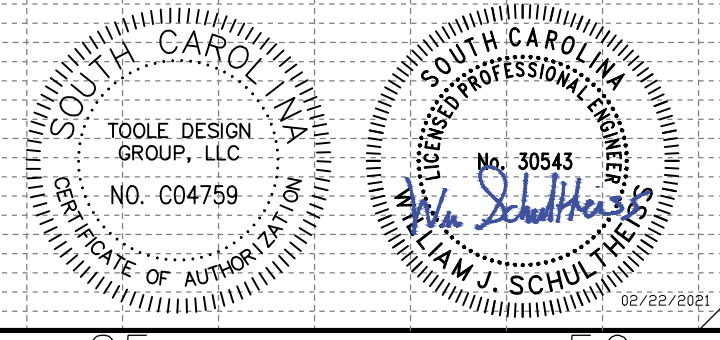
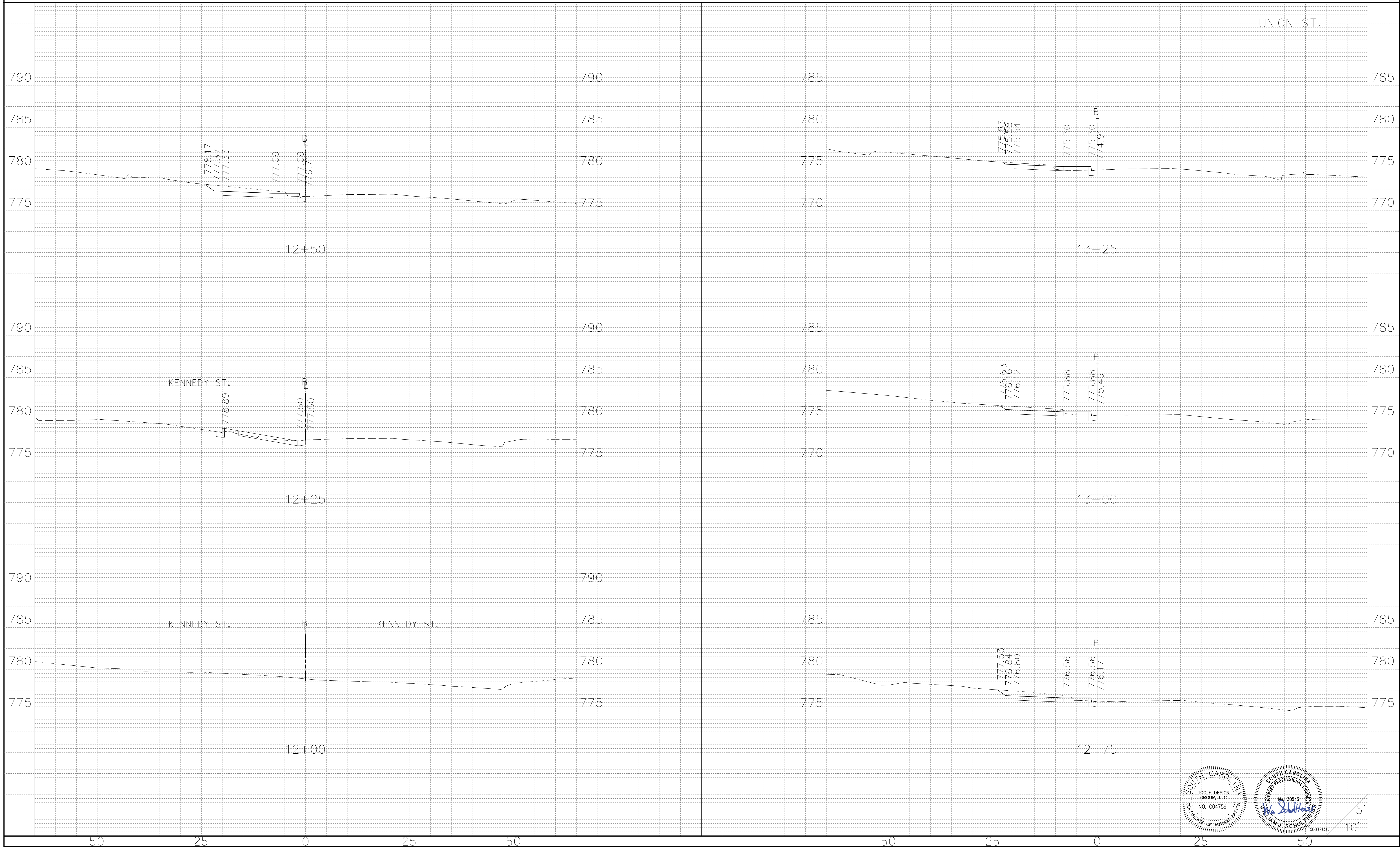


BEGIN CONSTRUCTION
 MARY BLACK RAIL TRAIL EXTENSION PROJECT
 STA. 10+5.3 UNION ST.

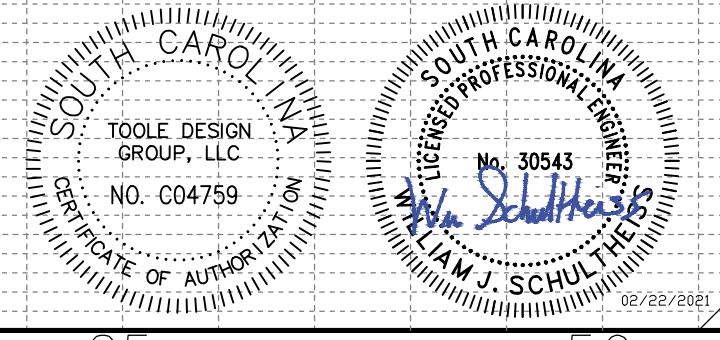
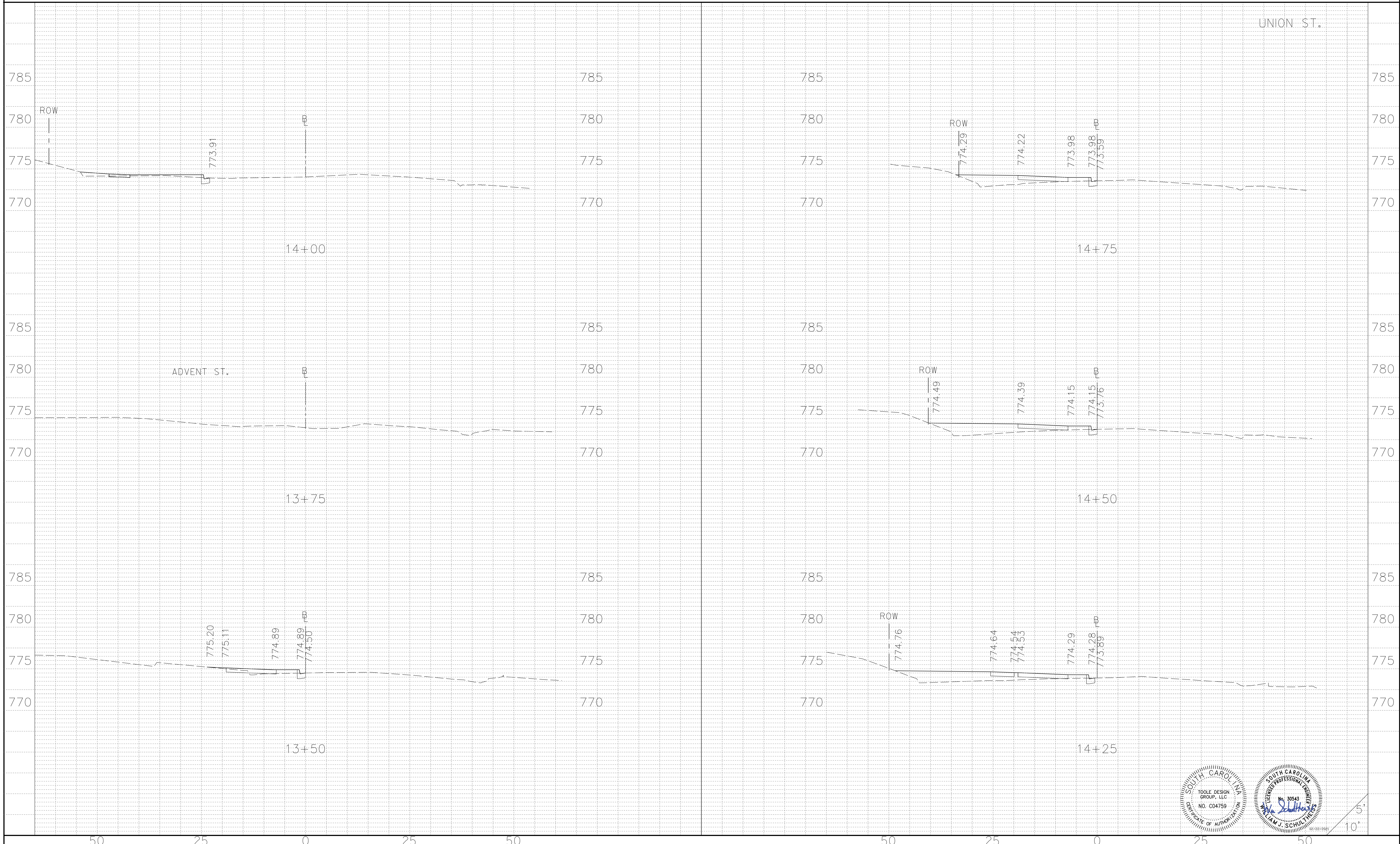


5'
 10'

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	X28



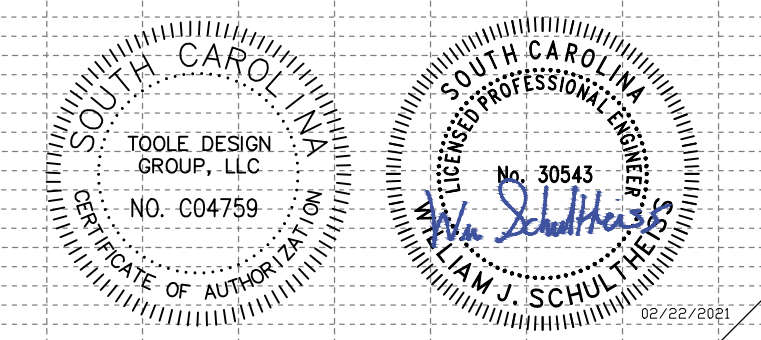
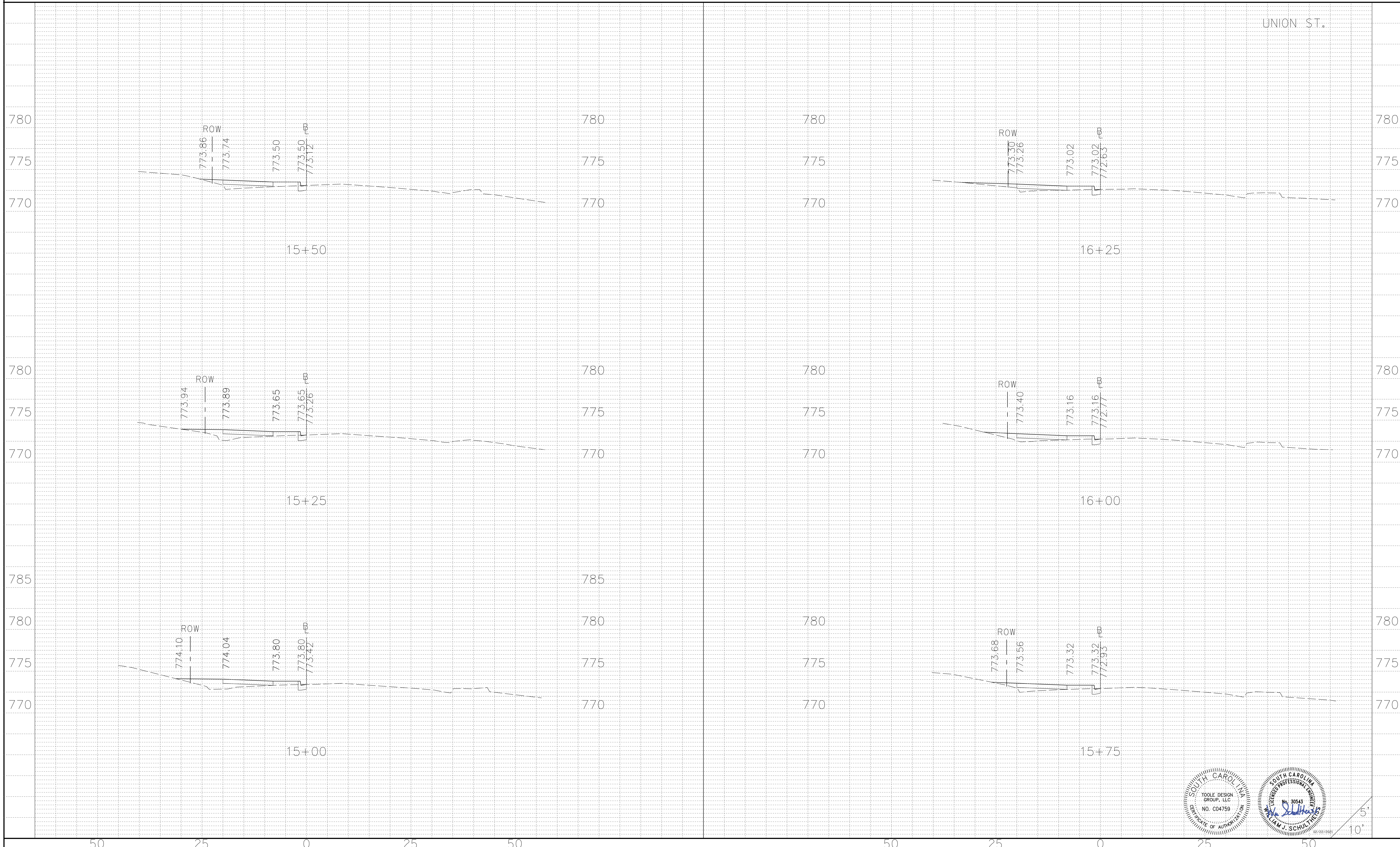
FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	X21



5'
10'

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	X22

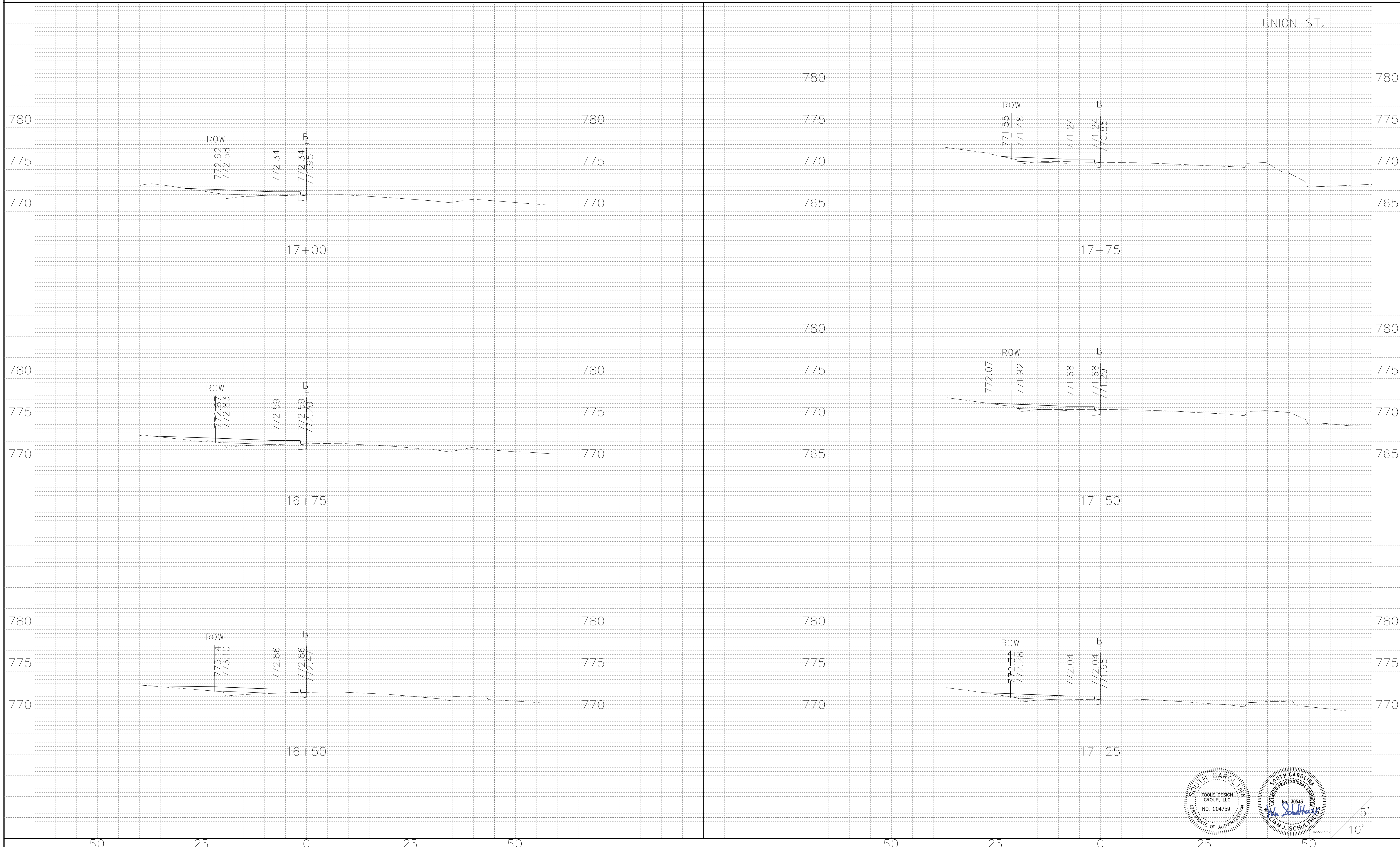
UNION ST.



5'
10'

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	X23

UNION ST.

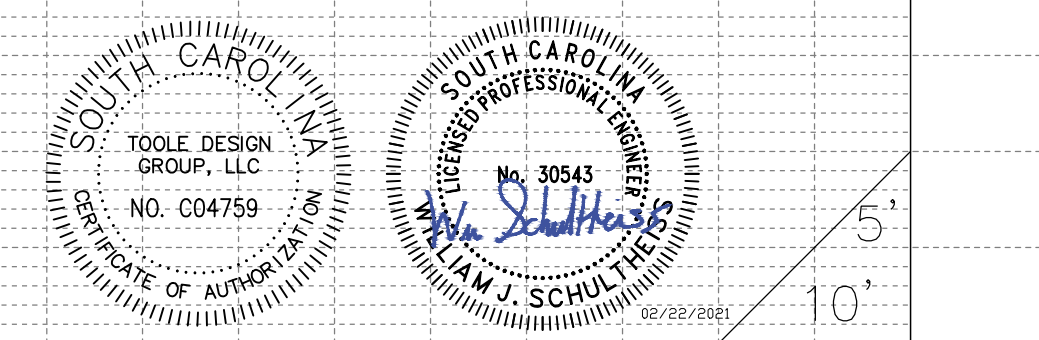
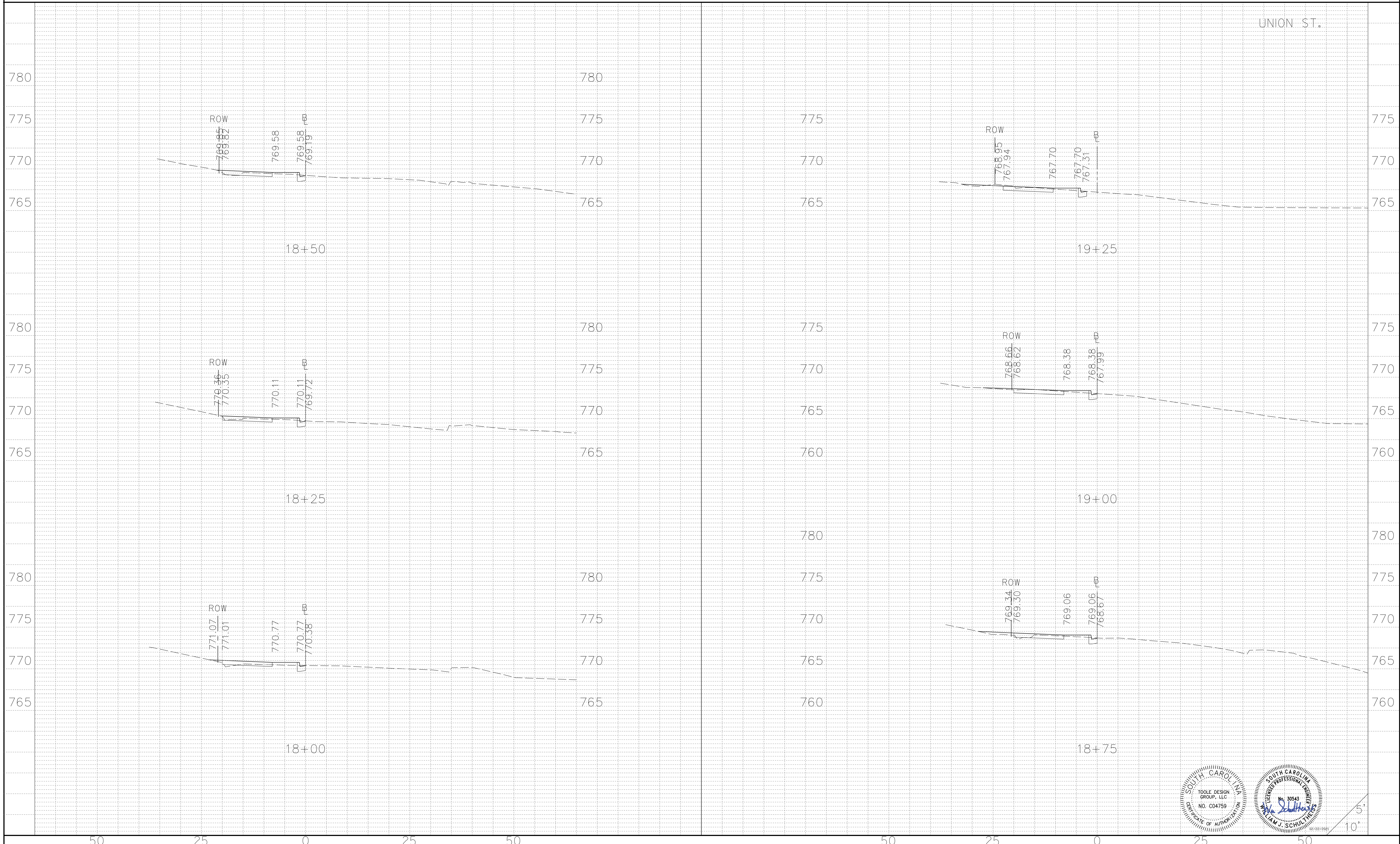


Professional Engineer Seal for James J. Schulz, No. 30543, State of South Carolina. The seal includes the text: SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER, No. 30543, James J. Schulz, State of South Carolina.

5'
10'

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	X24

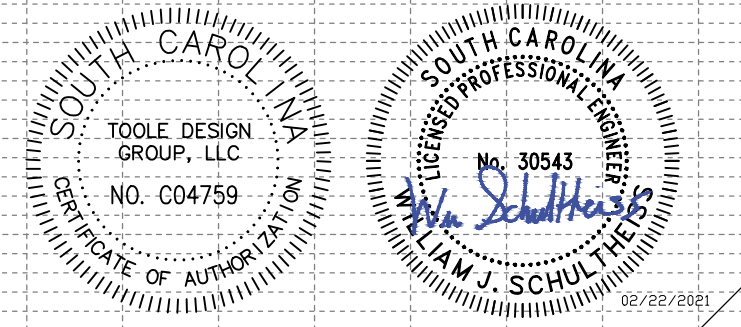
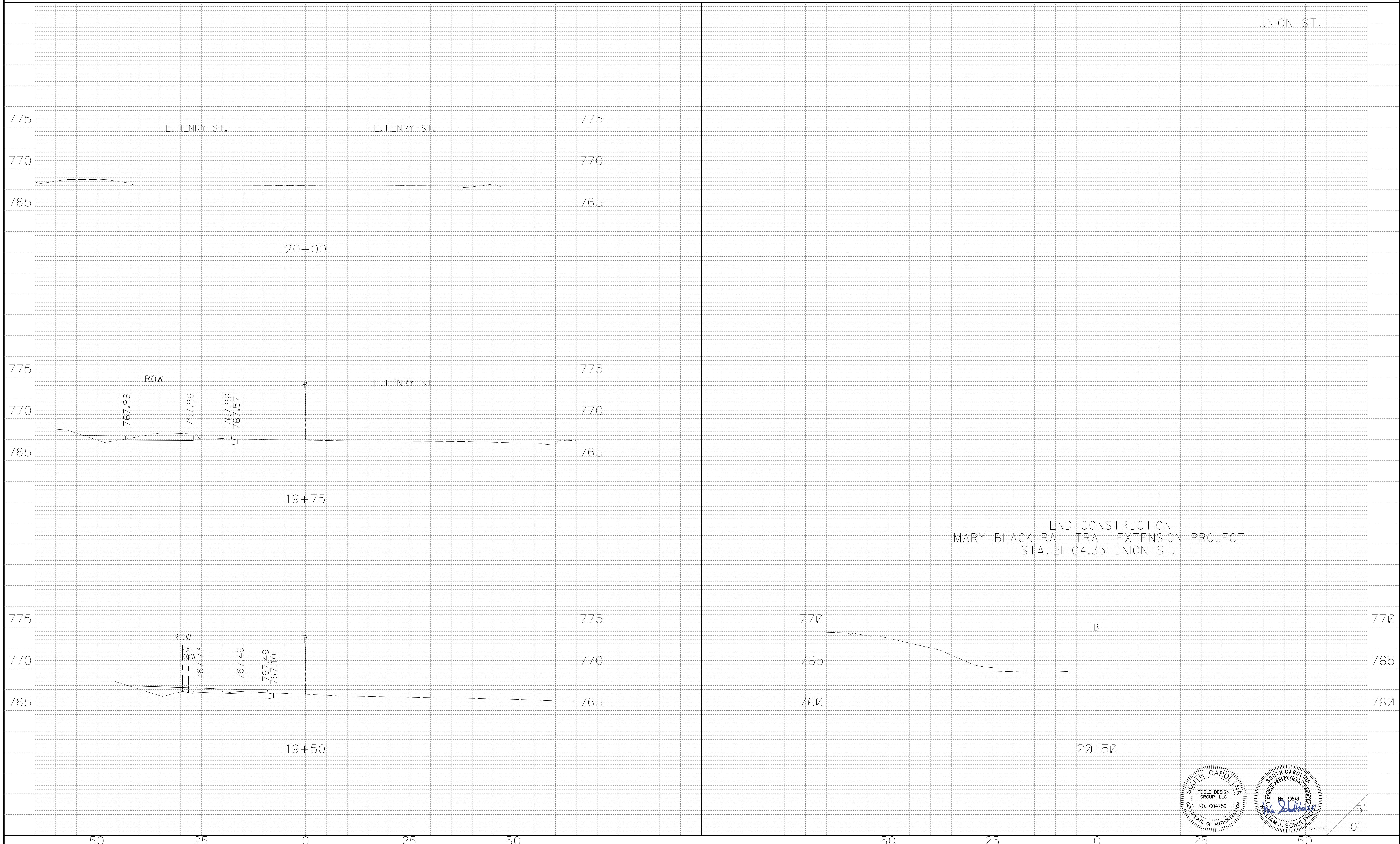
UNION ST.



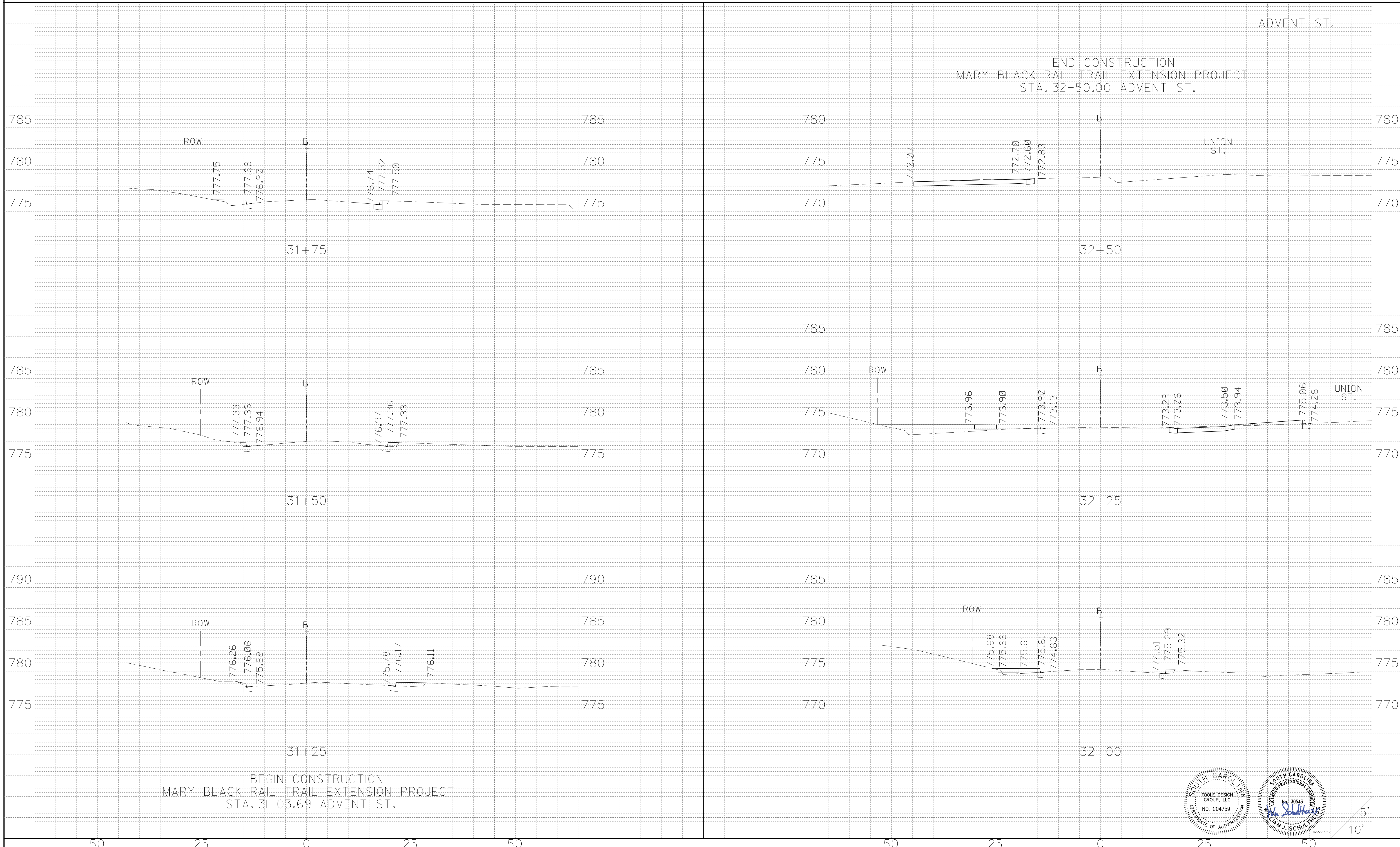
5'
10'

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	X25

UNION ST.

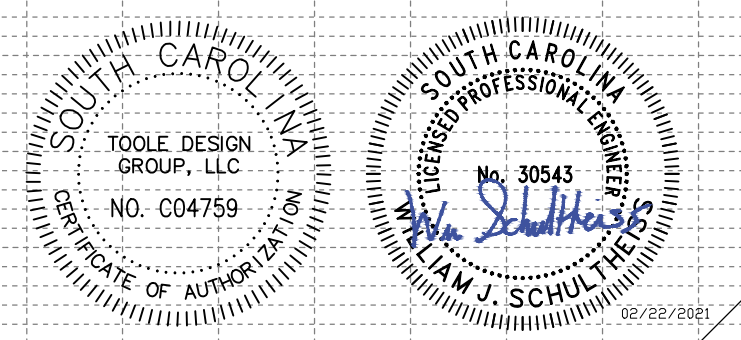


FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG	S-258, S-1767, S-56	X26



BEGIN CONSTRUCTION
MARY BLACK RAIL TRAIL EXTENSION PROJECT
STA. 31+03.69 ADVENT ST.

END CONSTRUCTION
MARY BLACK RAIL TRAIL EXTENSION PROJECT
STA. 32+50.00 ADVENT ST.



5'
10'