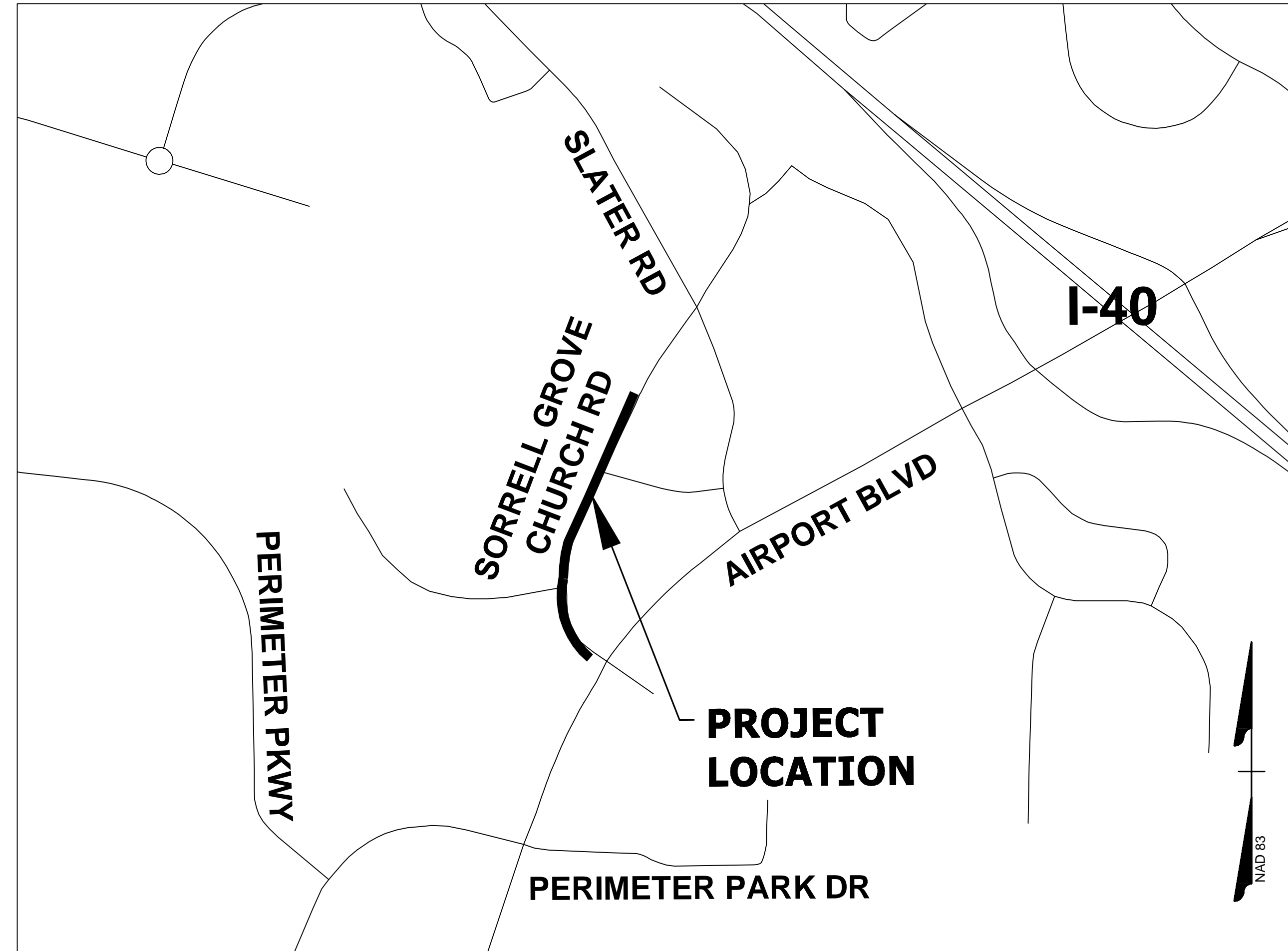


SORRELL GROVE CHURCH ROAD

SIDEWALK

TOWN OF MORRISVILLE WAKE COUNTY, NORTH CAROLINA

DATE: 03/10/2026



VICINITY MAP

SCALE: 1" = 500'

SHEET INDEX

COVER SHEET	R1.00
OVERALL PLAN SHEET	R1.01
GENERAL NOTES	R2.00
TYPICAL SECTIONS	R2.01
STANDARD DETAILS	R2.02
PLAN SHEETS	R3.01A - R3.03A
GRADING & PROFILE	R3.01B - R3.03B
ENTRANCE PROFILE SHEET	R4.00
STORM PROFILES AND DRAINAGE DESC.	R6.00
EROSION CONTROL SHEETS	EC-01 - EC-03
MAINTENANCE OF TRAFFIC	R7.01
CROSS SECTIONS	R9.01 - R9.04

SURVEY NOTES:

- HORIZONTAL CONTROL (BASIS OF THE BEARINGS) IS BASED ON NC STATE GRID, NAD'83 (2011); VERTICAL CONTROL IS BASED ON NAVD'88, AS ESTABLISHED BY GPS. ALL DISTANCES SHOWN HEREON ARE GROUND DISTANCES.
- CONTOUR INTERVALS ARE 1'.
- THE LOCATION OF SUB SURFACE UTILITIES AS SHOWN HEREON, IF ANY, ARE BASED ON FIELD LOCATION OF SURFACE FEATURES AND MARKINGS PROVIDED BY NC 811 AND ARE APPROXIMATE. OTHER SUB SURFACE UTILITIES MAY EXIST ON THIS SITE THAT ARE NOT INCLUDED IN THIS SURVEY.
- THIS MAP CONSTITUTES NEITHER A SUBDIVISION NOR A RECOMBINATION PLAT OF THE PARCELS OF LAND SHOWN HEREON. THIS MAP HAS NOT BEEN PREPARED IN ACCORDANCE WITH NC G.S. 47-30 AND IS NOT SUITABLE FOR RECORDING.
- THERE ARE NO RECOVERABLE NGS MONUMENTS WITHIN 2000' OF THIS PROPERTY.

EXISTING CONDITONS NOTES:

- OTHER SOURCES OF INFORMATION INCLUDE COUNTY GIS AND AERIAL IMAGERY.
- THE UTILITIES ON THESE PLANS ARE APPROXIMATE ONLY, AND ARE NOT ACCURATE FOR CONSTRUCTION PURPOSES. FOR FIELD MARKS CALL 811.

DEMOLITION NOTES:

- ALL UTILITIES OR STRUCTURES NOT INDICATED FOR REMOVAL OR MODIFICATION ARE TO REMAIN AND BE PROTECTED FROM DAMAGE.
- ALL WASTE MATERIAL GENERATED FROM CLEARING AND DEMOLITION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL APPLICABLE RULES AND REGULATIONS.
- REMOVE TOPSOIL AND STOCKPILE APPROPRIATELY ON-SITE. ON-SITE TEMPORARY STOCKPILES SHALL BE LOCATED WITHIN CONSTRUCTION LIMITS.
- ALL PAVEMENT OR CONCRETE TO BE REMOVED SHALL BE SAW CUT TO PROVIDE A STRAIGHT AND UNIFORM JOINT WITH NEW CONSTRUCTION. ANY EXISTING PAVEMENT, SIDEWALK, CURB & GUTTER, ETC. THAT MUST BE REMOVED TO ALLOW NEW CONSTRUCTION SHALL BE REMOVED AND REPAIRED PER THE SPECIFICATIONS AND DETAILS OR TO MATCH EXISTING CONDITIONS (WHETHER OR NOT SHOWN ON THE DRAWINGS TO BE REMOVED). UTILITY INSTALLATIONS MAY UTILIZE OPEN CUT OF PAVEMENTS UNLESS INDICATED OTHERWISE. TRENCH IN EXISTING ASPHALT SHALL BE PATCHED PER PAVEMENT REPAIR DETAIL.
- PROTECT ALL ADJACENT PROPERTIES, THE GENERAL PUBLIC AND ALL OF THE OWNER'S FACILITIES. SHOULD DAMAGE OCCUR, NOTIFY ENGINEER IMMEDIATELY.
- THE CONTRACTOR SHALL USE NC ONE CALL (811) TO LOCATE ALL UNDERGROUND UTILITIES.
- VERIFY ALL ILLUSTRATED KNOWN UNDERGROUND ELEMENTS. EXERCISE REASONABLE EFFORTS TO PROTECT ANY UNKNOWN UNDERGROUND ELEMENTS. NOTIFY THE ENGINEER IMMEDIATELY IF UNKNOWN ELEMENTS ARE DISCOVERED THAT WOULD NECESSITATE MODIFICATION TO THE PROPOSED DESIGN.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND OSHA REGULATIONS.
- EXISTING MANHOLES, VALVE BOXES, VAULTS, CLEANOUTS, UTILITY POLES ETC. TO REMAIN WITHIN THE GRADING LIMITS SHALL BE ADJUSTED AS NEEDED TO FUNCTION PROPERLY WITH THE PROPOSED FINISHED GRADES (WHETHER OR NOT INDICATED TO BE MODIFIED).
- GENERAL CONTRACTOR TO COORDINATE ALL PEDESTRIAN ACCESS PATHS, LOCATIONS, LIGHTING ETC. WITH THE OWNER.
- CONTRACTOR TO COORDINATE ALL WORK AS NEEDED WITH UTILITY COMPANIES, MUNICIPALITY, AND INSPECTORS.
- CONTRACTOR TO COORDINATE ALL DEMOLITION WORK AS NEEDED WITH UTILITY COMPANIES AND MUNICIPALITIES. ALL WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
- CONTRACTOR TO CONFIRM LOCATION OF ALL ONSITE UTILITY SERVICES AND COORDINATE REMOVAL AS NEEDED.

DESIGN DATA

SORRELL GROVE CHURCH ROAD
SGCR 7 LT STA. 11+50.00 - 26+35.46
ADT = N/A
Vd = 40 MPH
F.C. = LOCAL

NOTE: SEE TRAFFIC STUDY FOR FUTURE VOLUMES

ALL CONSTRUCTION SHALL CONFORM WITH THE LATEST VERSION OF NCDOT STANDARDS AND SPECIFICATIONS.



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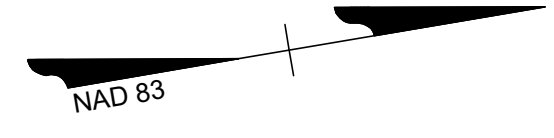
DATE
03/10/2026
DRAWN BY
ZRM
DESIGNED BY
ZRM
CHECKED BY
BPW
SCALE

TIMMONS GROUP
SORRELL GROVE CHURCH ROAD SIDEWALK
WAKE COUNTY, NC
COVER SHEET
JOB NO.
52084
SHEET NO.
R1.00

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L:\2015\2084-Morrisville_Cor-Civil\05-203-SGCCP_Sidewalk\DWG\SheetCD\2084.005-203C-R1.01.dwg | Plotted on 3/10/2026 4:10 PM | by Brian Welch

SCALE 1"=100'
0 100' 200'



TIMMONS GROUP

SORRELL GROVE CHURCH ROAD SIDEWALK
WAKE COUNTY, NC

OVERALL PLAN SHEET

JOB NO.
52084
SHEET NO.
R1.01

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GENERAL NOTES: 2024 SPECIFICATIONS

EFFECTIVE: 01-16-2024
REVISED:

**GRADE LINE:
GRADING AND SURFACING:**

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AND ENDING AND AT STRUCTURES AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

GRADING AND SURFACING OR RESURFACING AND WIDENING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. WHERE NO GRADE LINES ARE SHOWN, THE PROFILES SHOWN DENOTE THE TOP ELEVATION OF THE EXISTING PAVEMENT ALONG THE CENTER LINE OF SURVEY ON WHICH THE PROPOSED RESURFACING WILL BE PLACED. GRADE LINES MAY BE ADJUSTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

GRADING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED OR FUTURE SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AND ENDING AND AT STRUCTURES AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

SURFACING:

THE ROUGH GRADING AND STRUCTURES ON THIS PROJECT HAVE BEEN DONE OR ARE NOW BEING DONE UNDER A PREVIOUS CONTRACT. THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AND ENDING AND AT STRUCTURES AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

CLEARING:

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

SUPERELEVATION:

ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.04 USING THE RATE OF SUPERELEVATION AND RUNOFF SHOWN ON THE PLANS. SUPERELEVATION IS TO BE REVOLVED ABOUT THE GRADE POINTS SHOWN ON THE TYPICAL SECTIONS.

SHOULDER CONSTRUCTION:

ASPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01

SIDE ROADS:

THE CONTRACTOR WILL BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE SUITABLE CONNECTIONS WITH ALL ROADS, STREETS, AND DRIVES ENTERING THIS PROJECT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PARTICULAR ITEMS INVOLVED.

STREET TURNOUT:

STREET RETURNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 848.04 USING THE RADII NOTED ON PLANS.

SUBSURFACE PLANS:

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

UTILITIES:

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS.

2024 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N.C. Department of Transportation - Raleigh, N. C., Dated January, 2024 are applicable to this project and by reference hereby are considered a part of these plans:

STD. NO.	TITLE
840.50	Manhole Frame & Cover
840.72	Pipe Collar
903.10	Ground Mounted Sign Supports
904.50	Mounting of Type 'D', 'E' and 'F' Signs on 'U' Channel Posts
1205.01	Pavement Markings - Line Types and Offsets
1205.04	Pavement Markings - Intersections
1205.05	Pavement Markings - Turn Lanes
1205.08	Pavement Markings - Symbols and Word Messages

SURVEY CONTROL MONUMENTS						
CP NUMBER	NORTHING	EASTING	ELEVATION	ALIGNMENT	STATION	OFFSET
X					XX+XX	-
X					XX+XX	-
X					XX+XX	-
X					XX+XX	-
X					XX+XX	-

Horizontal Alignment Report

Begin SGCR 7' LT
N 766,634.6219 E 2,052,236.5253 10+00.00

Line (1)
N55° 05' 11.00"W 175.724'
N 766,735.1957 E 2,052,092.4292 11+75.72
Line (1)

Curve (2)
BC N 766,735.1957 E 2,052,092.4292 11+75.72
CTR N 766,963.9801 E 2,052,252.1122
PI N 766,816.2097 E 2,051,976.3570

Direction Back N55° 05' 11.00"W
Radius 279.000'
Delta 53°48'05"(RT)
Length 261.984'
Tangent 141.549'
Chord Direction N28° 11' 08.73"W Distance 252.464'
Direction Ahead N1° 17' 06.46"W

EC N 766,957.7228 E 2,051,973.1824 14+37.71
Curve (2)

Line (3)
N1° 17' 06.46"W 126.562'
N 767,084.2528 E 2,051,970.3439 15+64.27
Line (3)

Curve (4)
BC N 767,084.2528 E 2,051,970.3439 15+64.27
CTR N 767,099.5710 E 2,052,653.1721
PI N 767,199.0802 E 2,051,967.7679

Direction Back N1° 17' 06.46"W
Radius 683.000'
Delta 19°05'30"(RT)
Length 227.583'
Tangent 114.856'
Chord Direction N8° 15' 38.43"E Distance 226.532'
Direction Ahead N17° 48' 23.32"E

EC N 767,308.4344 E 2,052,002.8913 17+91.85
Curve (4)

Compound Curve

Curve (5)
BC N 767,308.4344 E 2,052,002.8913 17+91.85
CTR N 766,965.0177 E 2,053,072.0938
PI N 767,374.4816 E 2,052,024.1050

Direction Back N17° 48' 23.32"E
Radius 1,123.000'
Delta 7°04'11"(RT)
Length 138.565'
Tangent 69.370'
Chord Direction N21° 20' 28.63"E Distance 138.477'
Direction Ahead N24° 52' 33.94"E

EC N 767,437.4158 E 2,052,053.2862 19+30.42
Curve (5)

Line (6)
Non-Tangent Radial Bearing N65° 07' 26.06"W
N24° 52' 34.07"E 590.533'
N 767,973.1590 E 2,052,301.6987 25+20.95
Line (6)

Curve (7)
BC N 767,973.1590 E 2,052,301.6987 25+20.95
CTR N 766,756.1957 E 2,054,926.2842
PI N 768,181.0526 E 2,052,398.0944

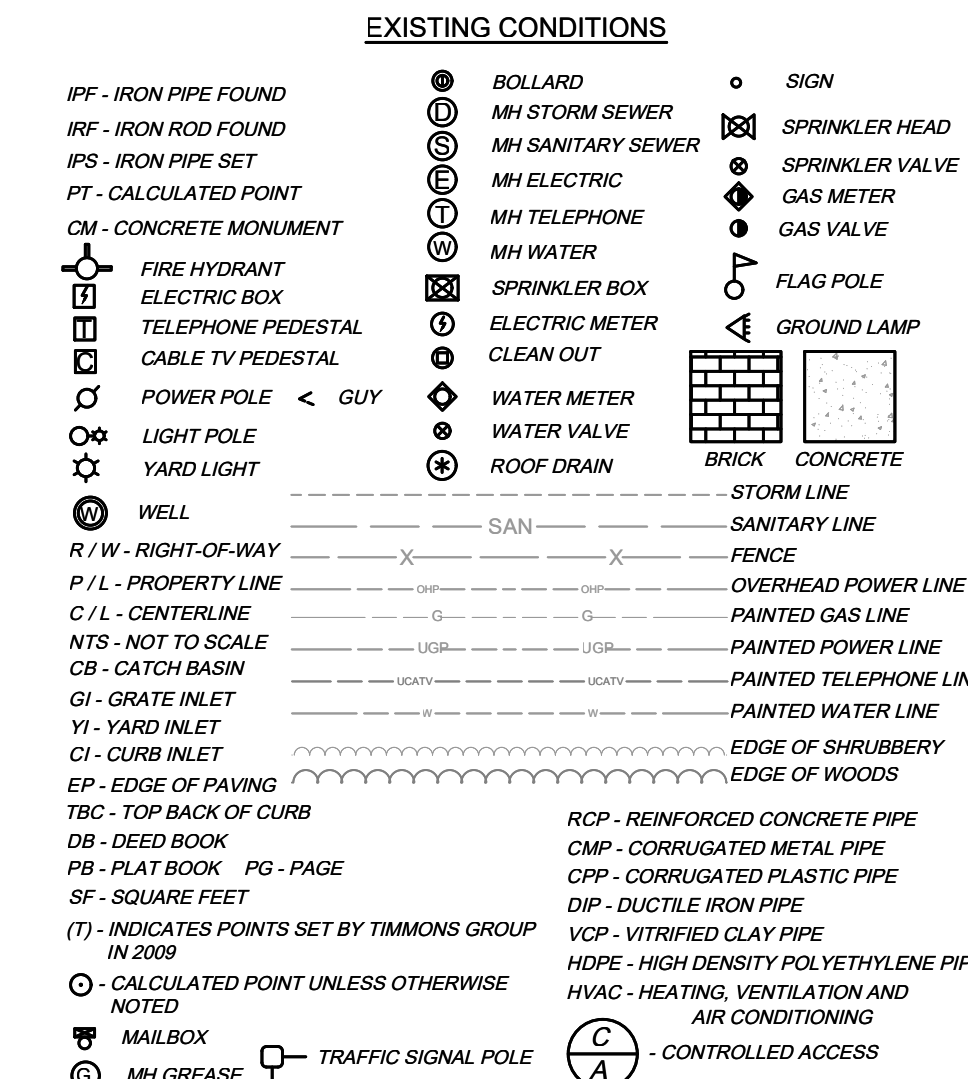
Direction Back N24° 52' 34.07"E
Radius 2,893.000'
Delta 9°03'28"(RT)
Length 457.354'
Tangent 229.155'
Chord Direction N29° 24' 18.27"E Distance 456.878'
Direction Ahead N33° 56' 02.48"E

EC N 768,371.1779 E 2,052,526.0172 29+78.30
Curve (7)

Line (8)
N33° 56' 02.48"E 572.613'
N 768,846.2642 E 2,052,845.6716 35+50.92
Line (8)

N 768,846.2642 E 2,052,845.6716 35+50.92
End SGCR 7' LT

Alignment Length: 2,550.918'



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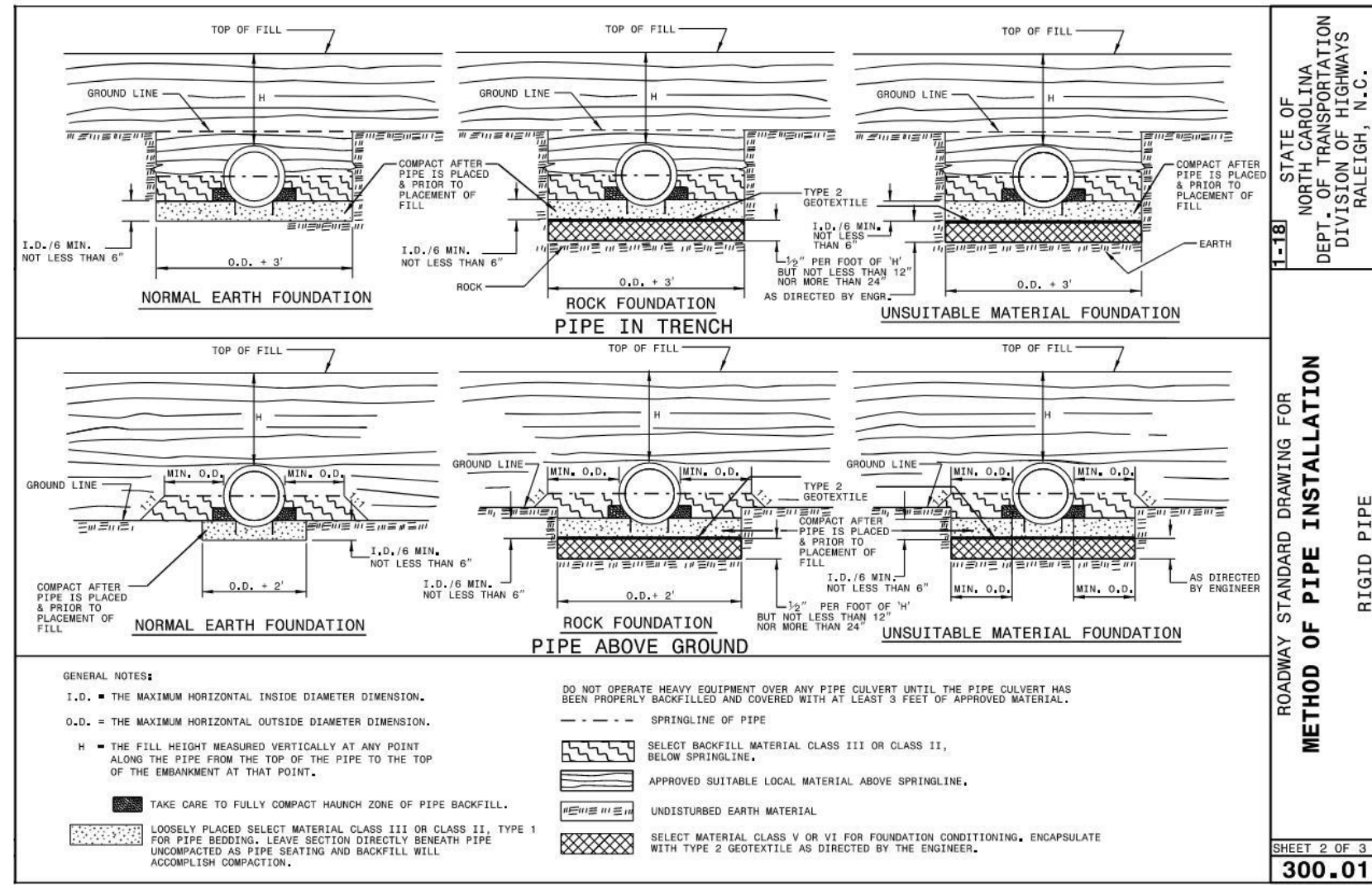
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CHECKED BY
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SCALE

TIMMONS GROUP
SORRELL GROVE CHURCH ROAD SIDEWALK
WAKE COUNTY, NC

GENERAL NOTES
JOB NO.
52084
SHEET NO.
R2.00

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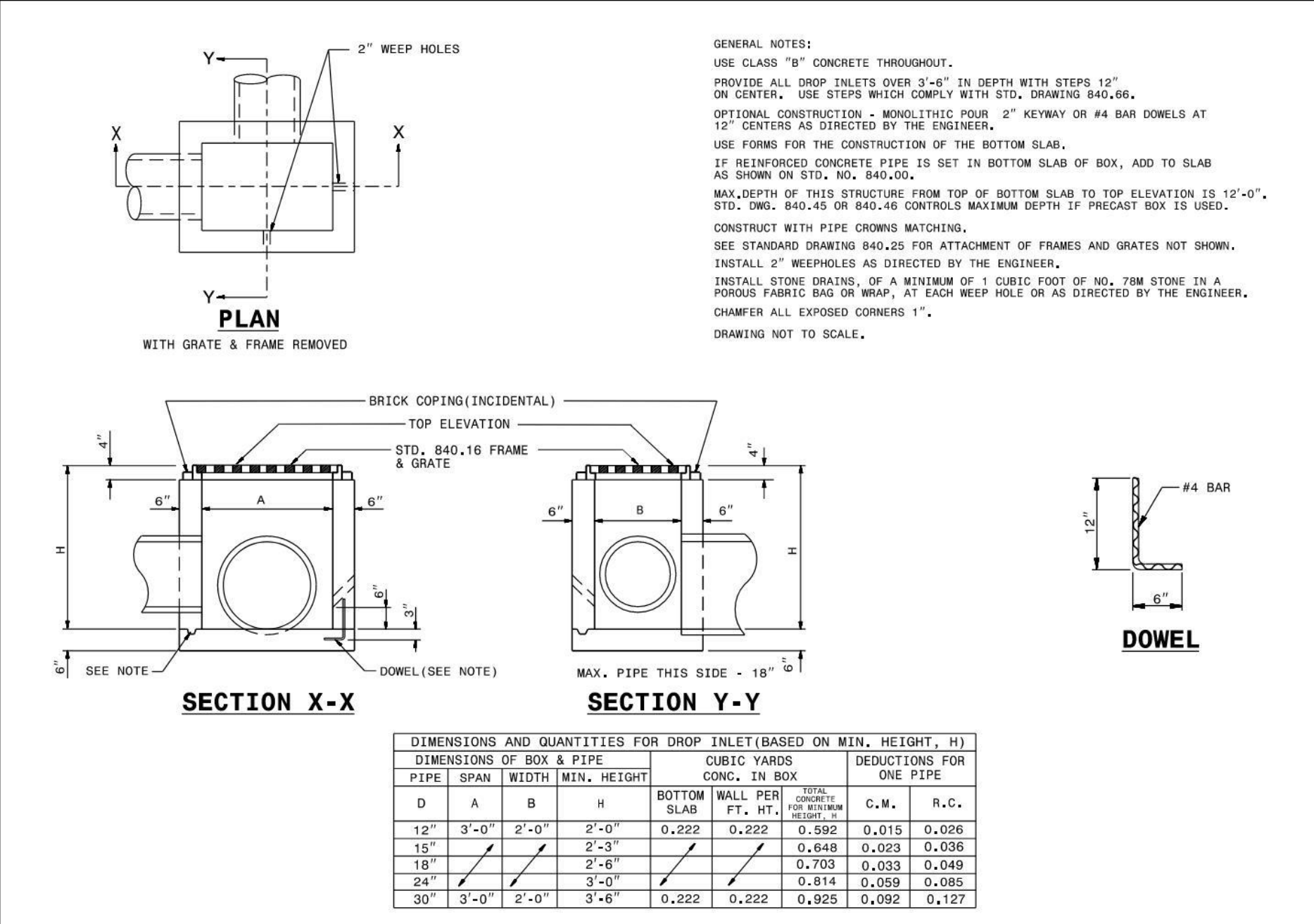


STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR METHOD OF PIPE INSTALLATION RIGID PIPE

SHEET 2 OF 3

840.01

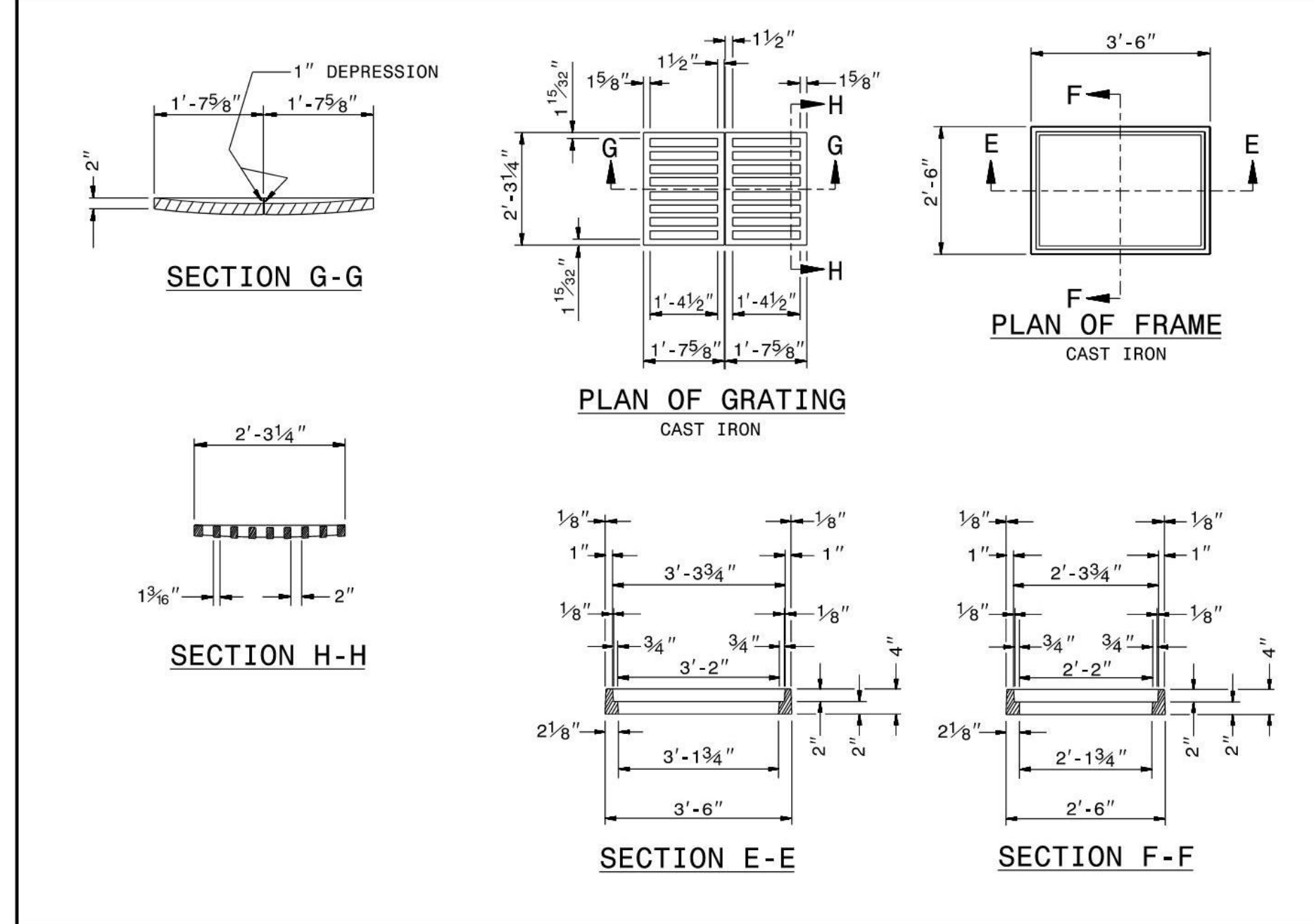


STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR CONCRETE DROP INLET 12" THRU 30" PIPE

SHEET 1 OF 1

840.14

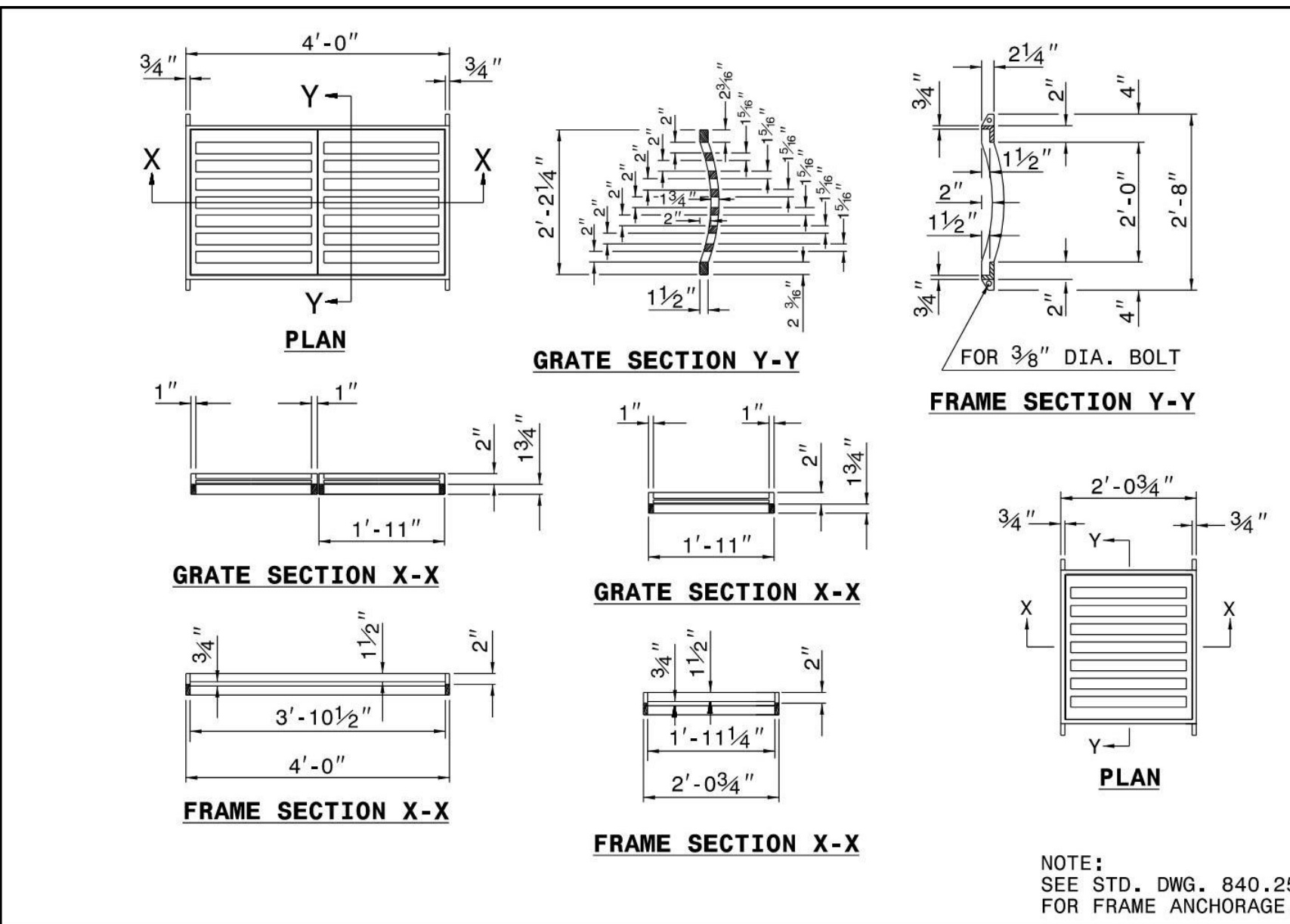


STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR DROP INLET FRAME AND GRATES FOR USE WITH STD. DWG. S 840.14 AND 840.15

SHEET 1 OF 1

840.16

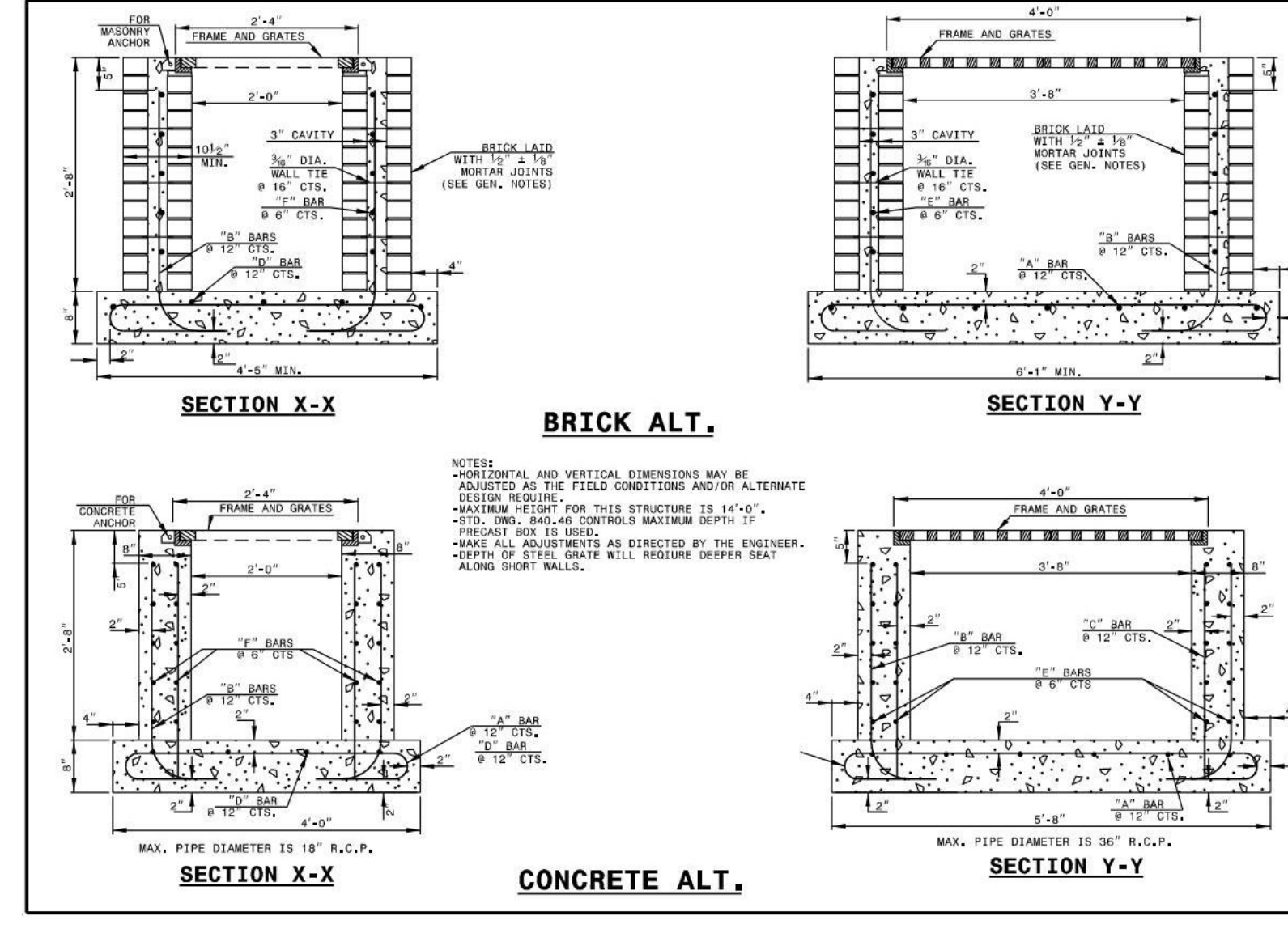


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ROADWAY STANDARD DRAWING FOR FRAMES AND NARROW SLOT SAG GRATES

SHEET 1 OF 1

840.24

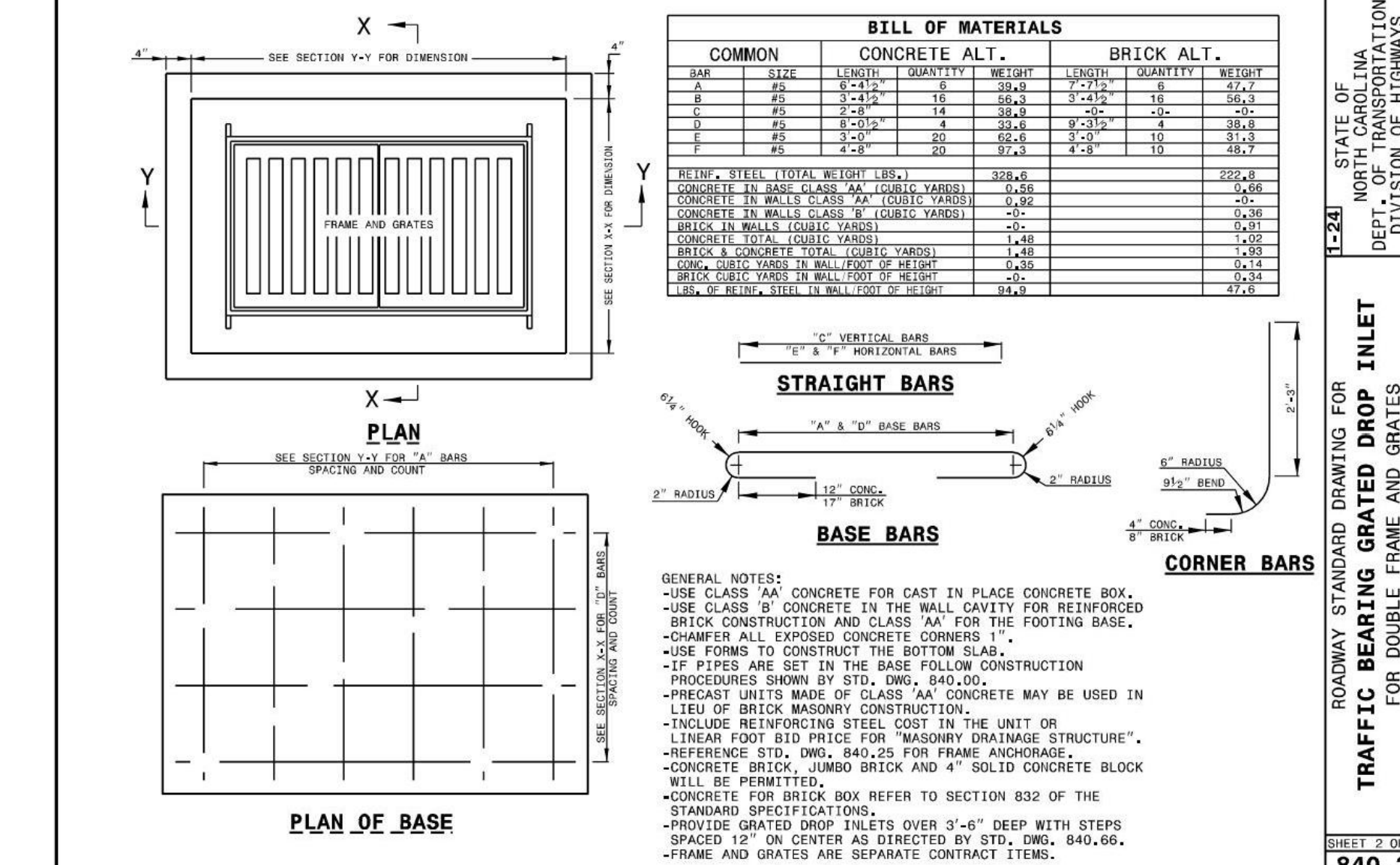


STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR TRAFFIC BEARING GRATED DROP INLET FOR DOUBLE FRAME AND GRATES

SHEET 1 OF 2

840.35

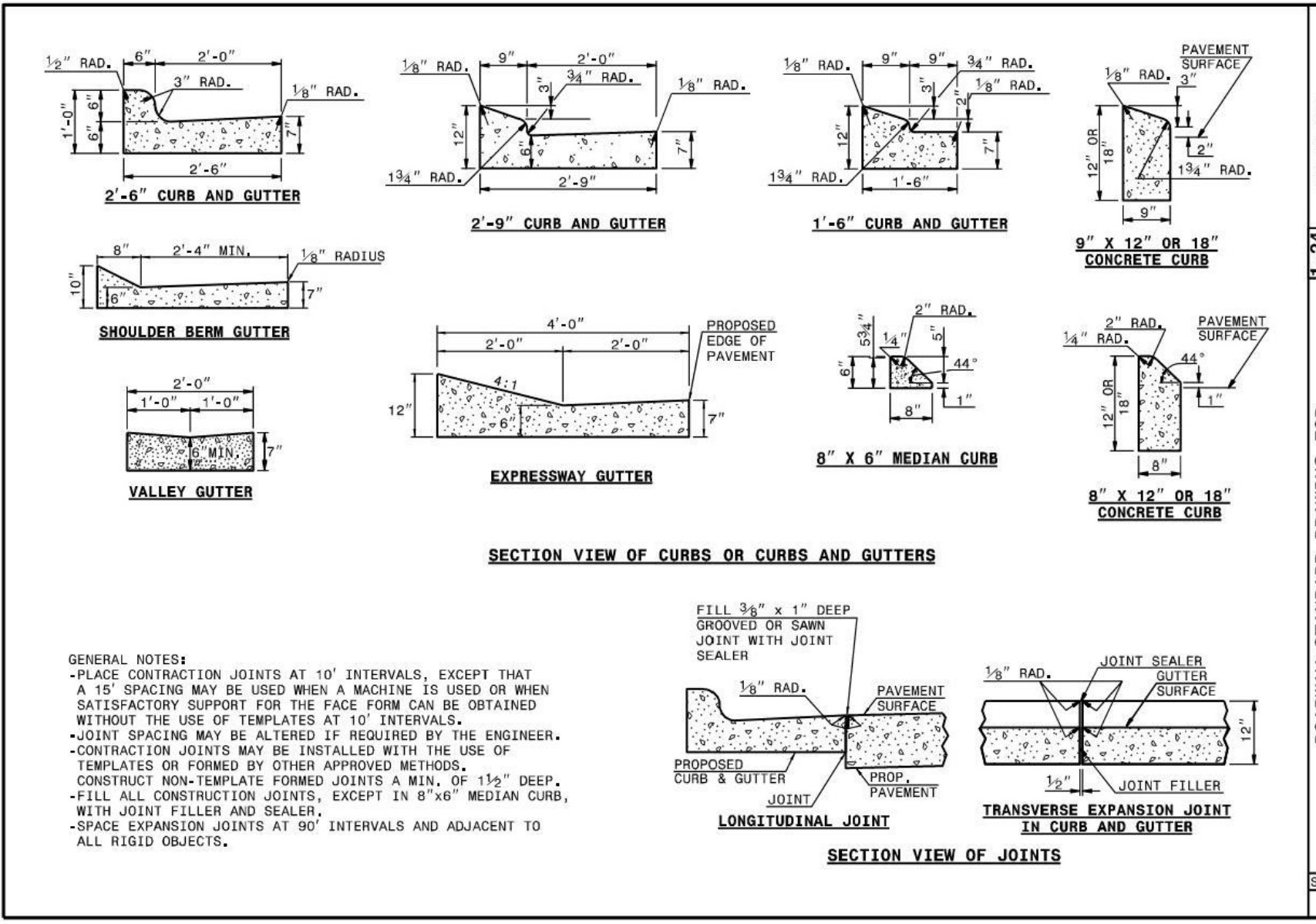


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ROADWAY STANDARD DRAWING FOR TRAFFIC BEARING GRATED DROP INLET FOR DOUBLE FRAME AND GRATES

SHEET 2 OF 2

840.35

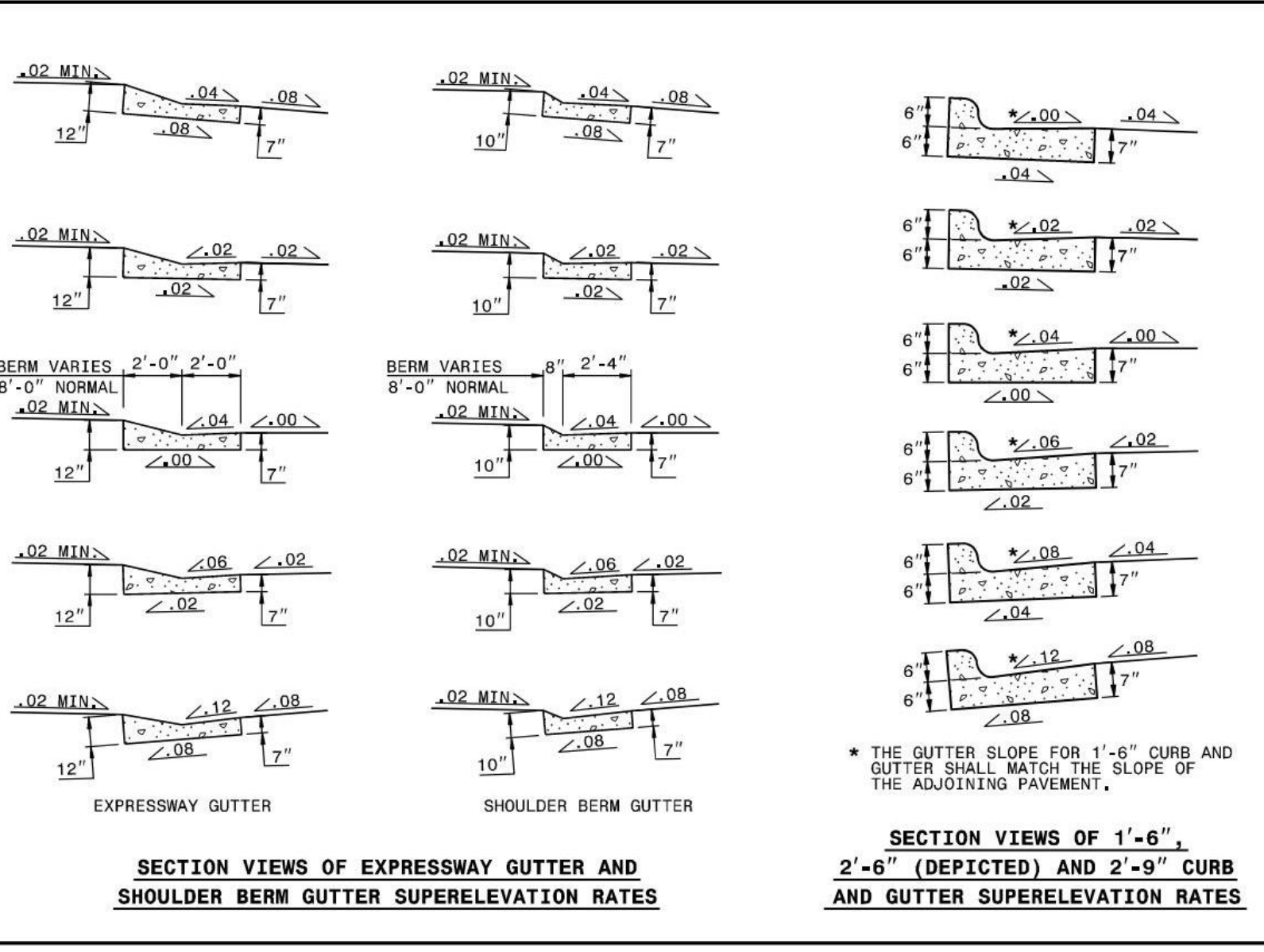


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ROADWAY STANDARD DRAWING FOR CONCRETE CURB, GUTTER AND CURB & GUTTER

SHEET 1 OF 3

846.01

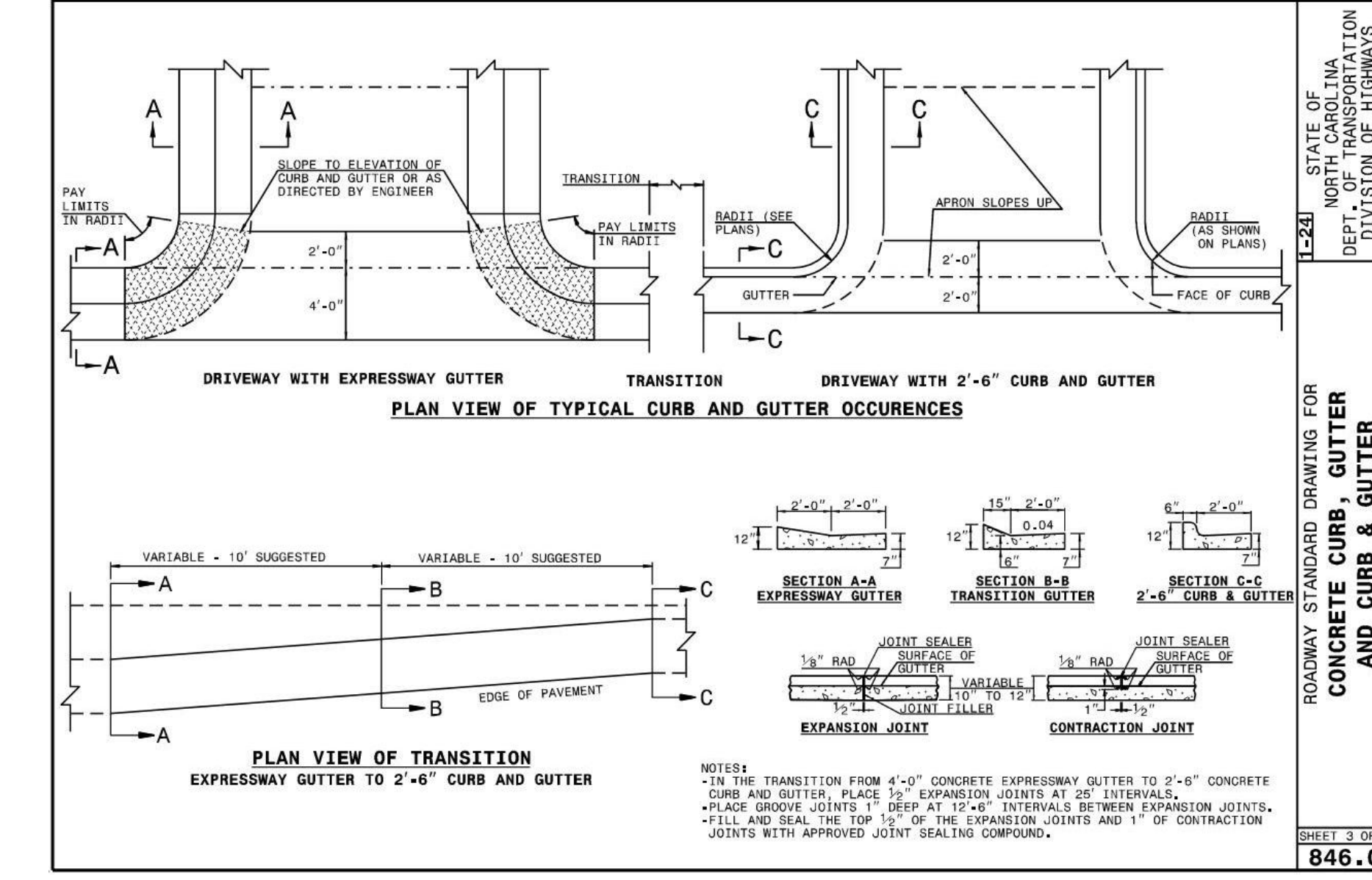


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ROADWAY STANDARD DRAWING FOR CONCRETE CURB, GUTTER AND CURB & GUTTER

SHEET 2 OF 3

846.01



STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR CONCRETE CURB, GUTTER AND CURB & GUTTER

SHEET 3 OF 3

846.01

TIMMONS GROUP

SORRELL GROVE CHURCH ROAD SIDEWALK
 WAKE COUNTY STATE - NC
 STANDARD DETAILS

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DATE	REVISION DESCRIPTION

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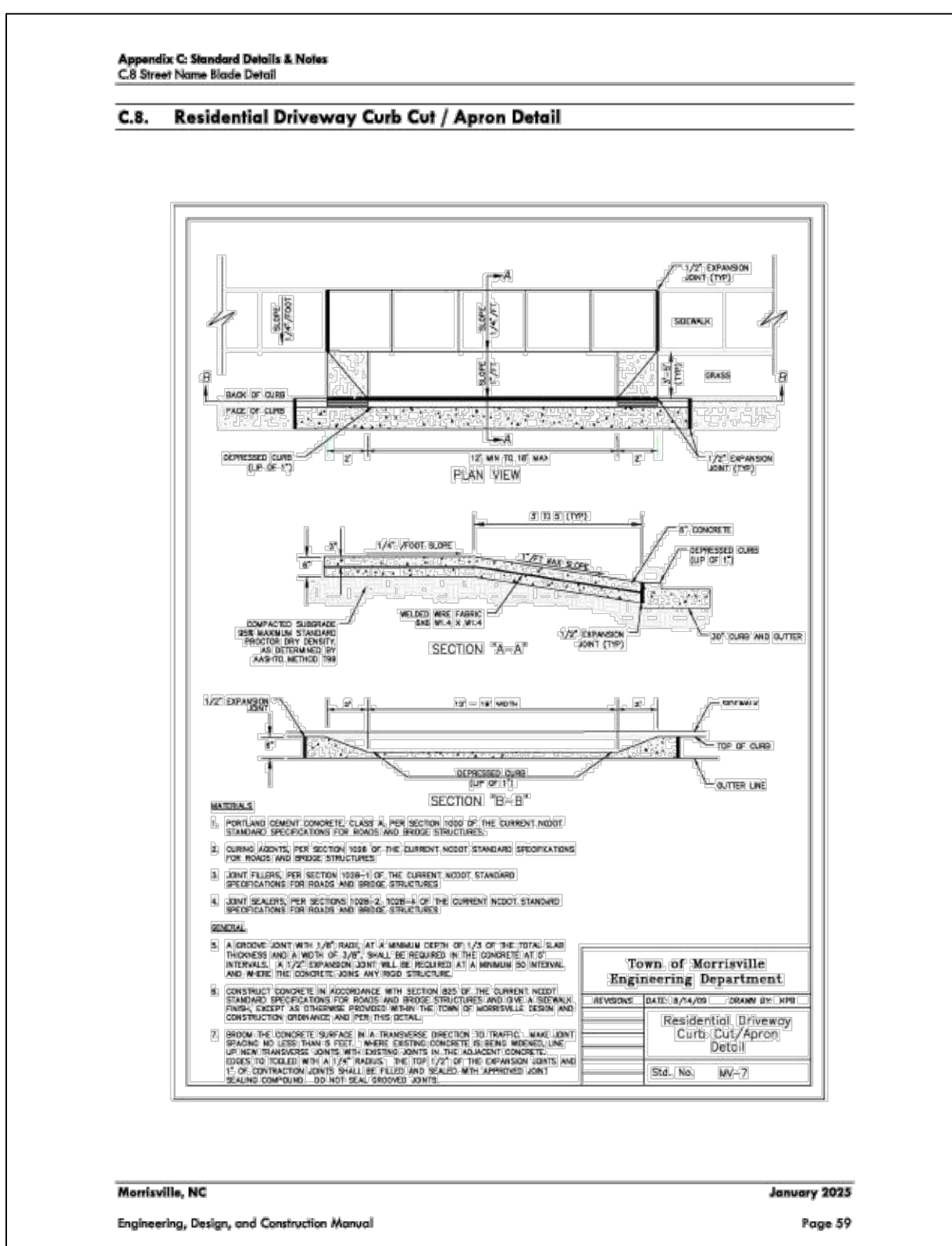
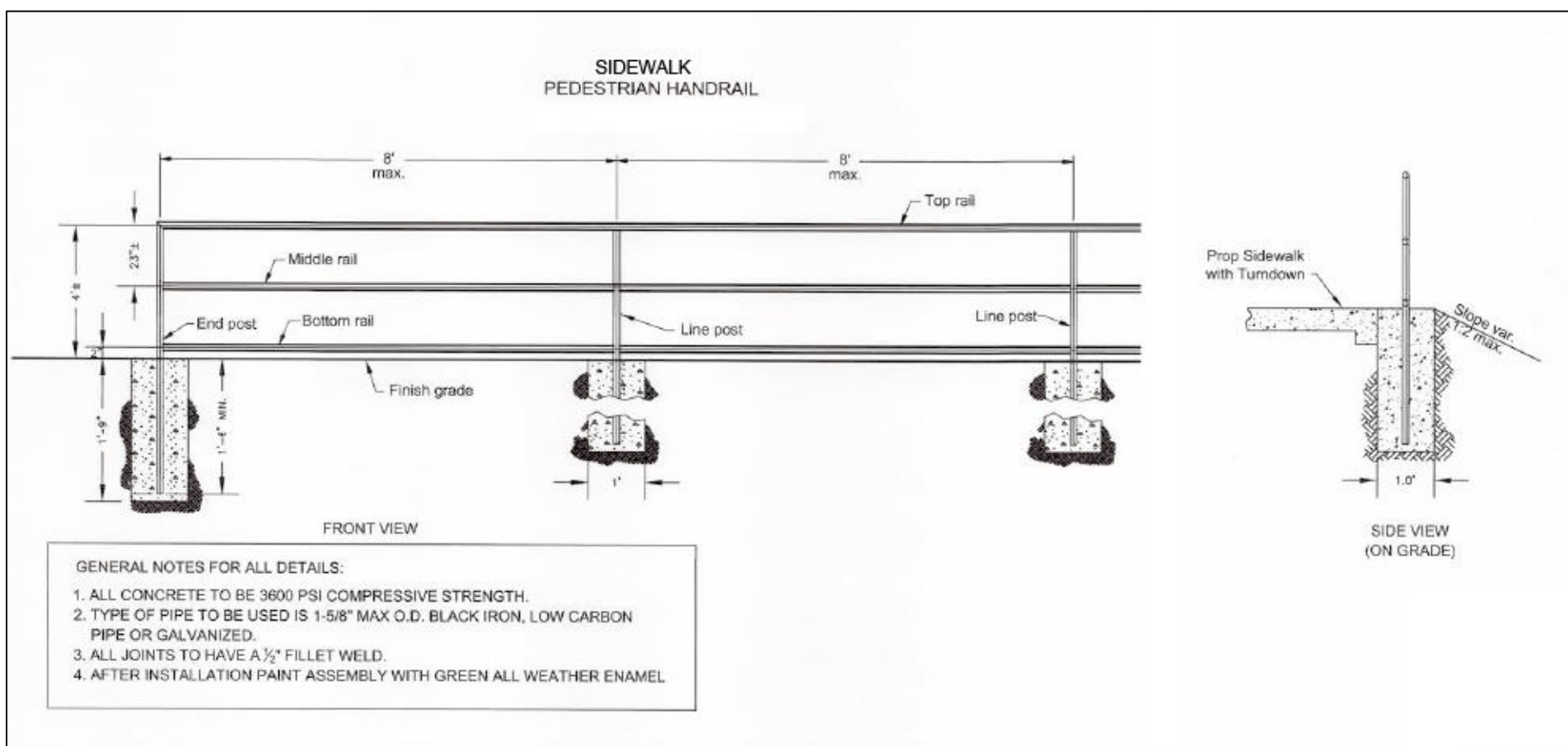
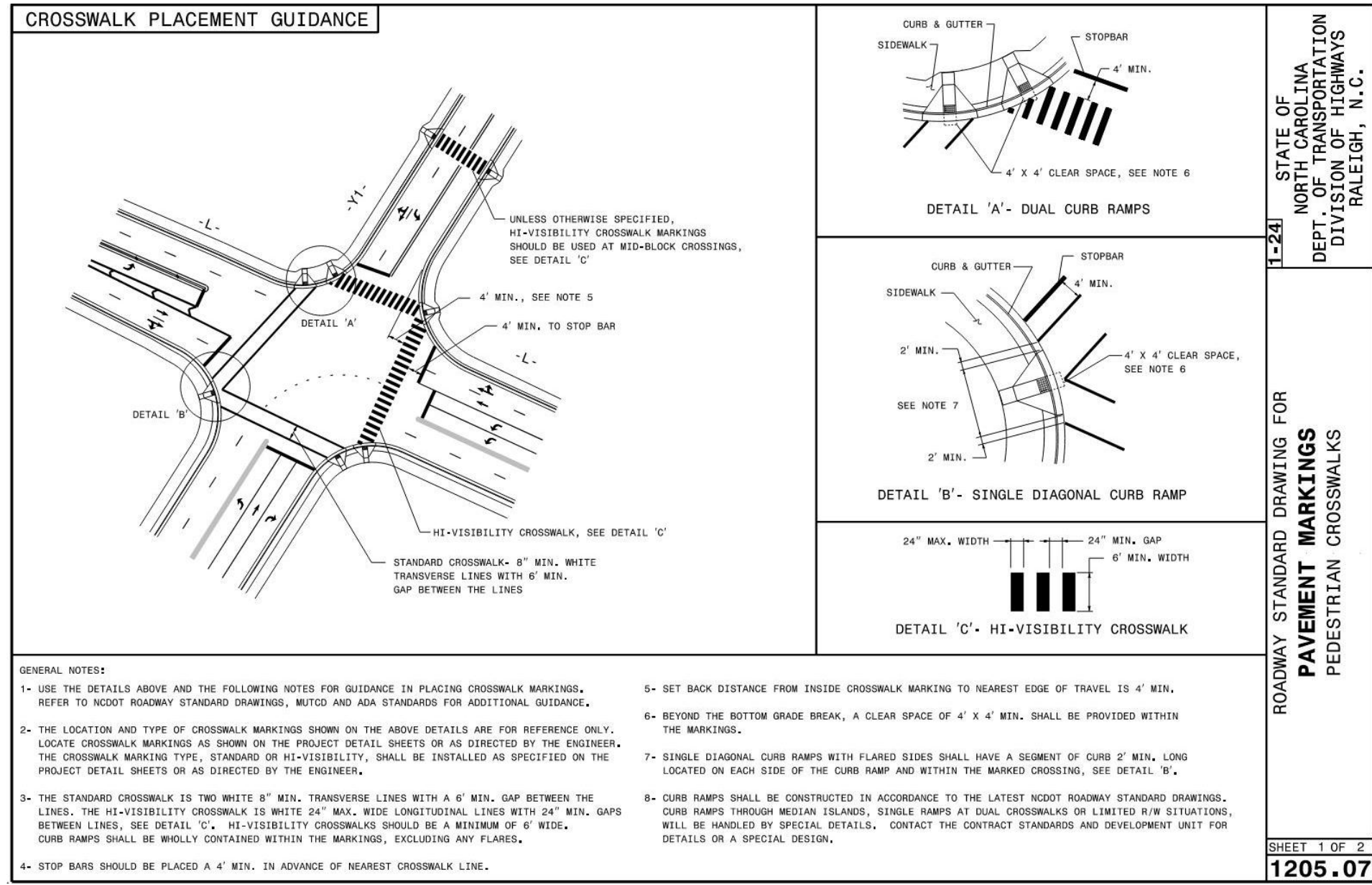
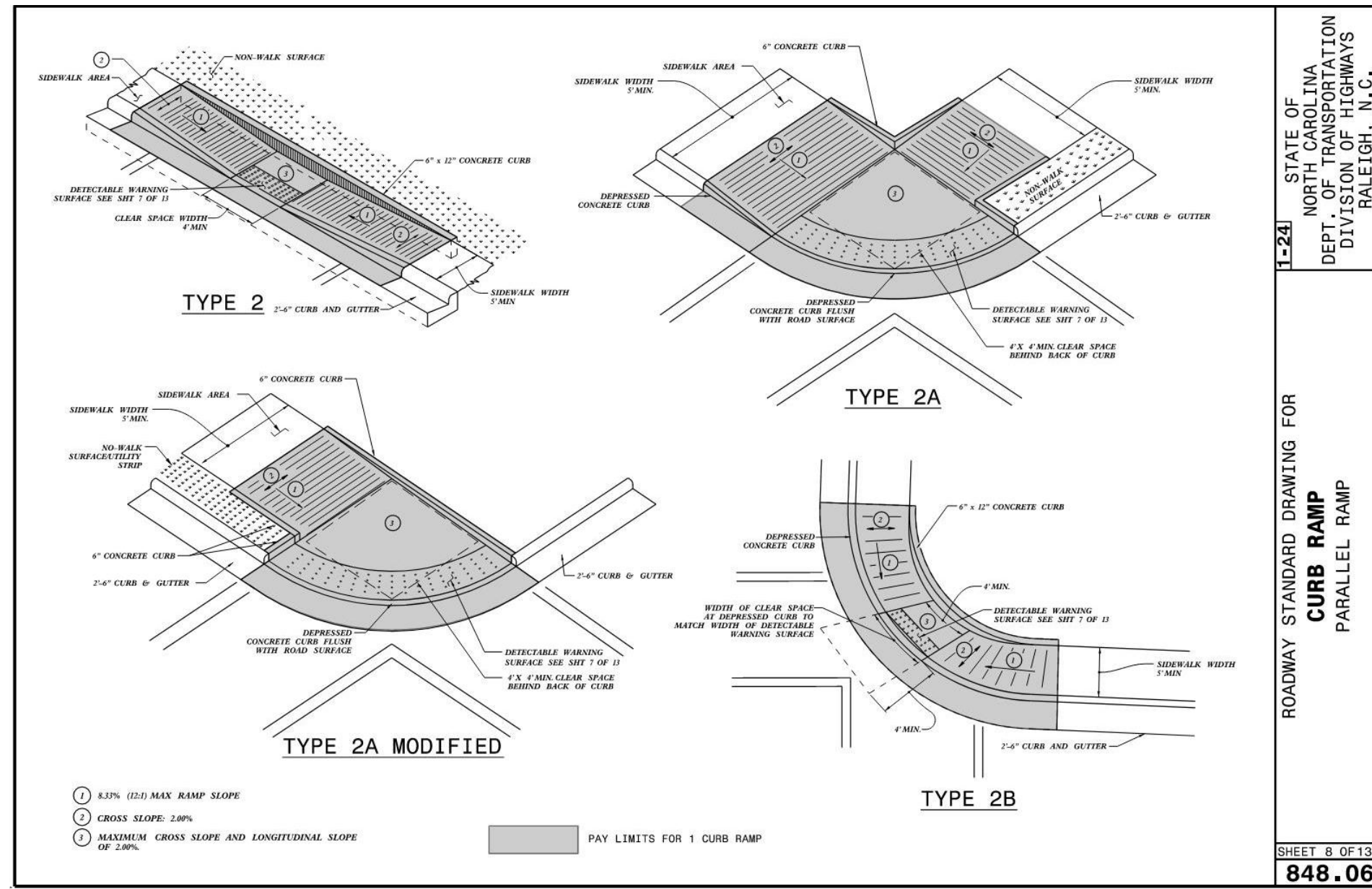
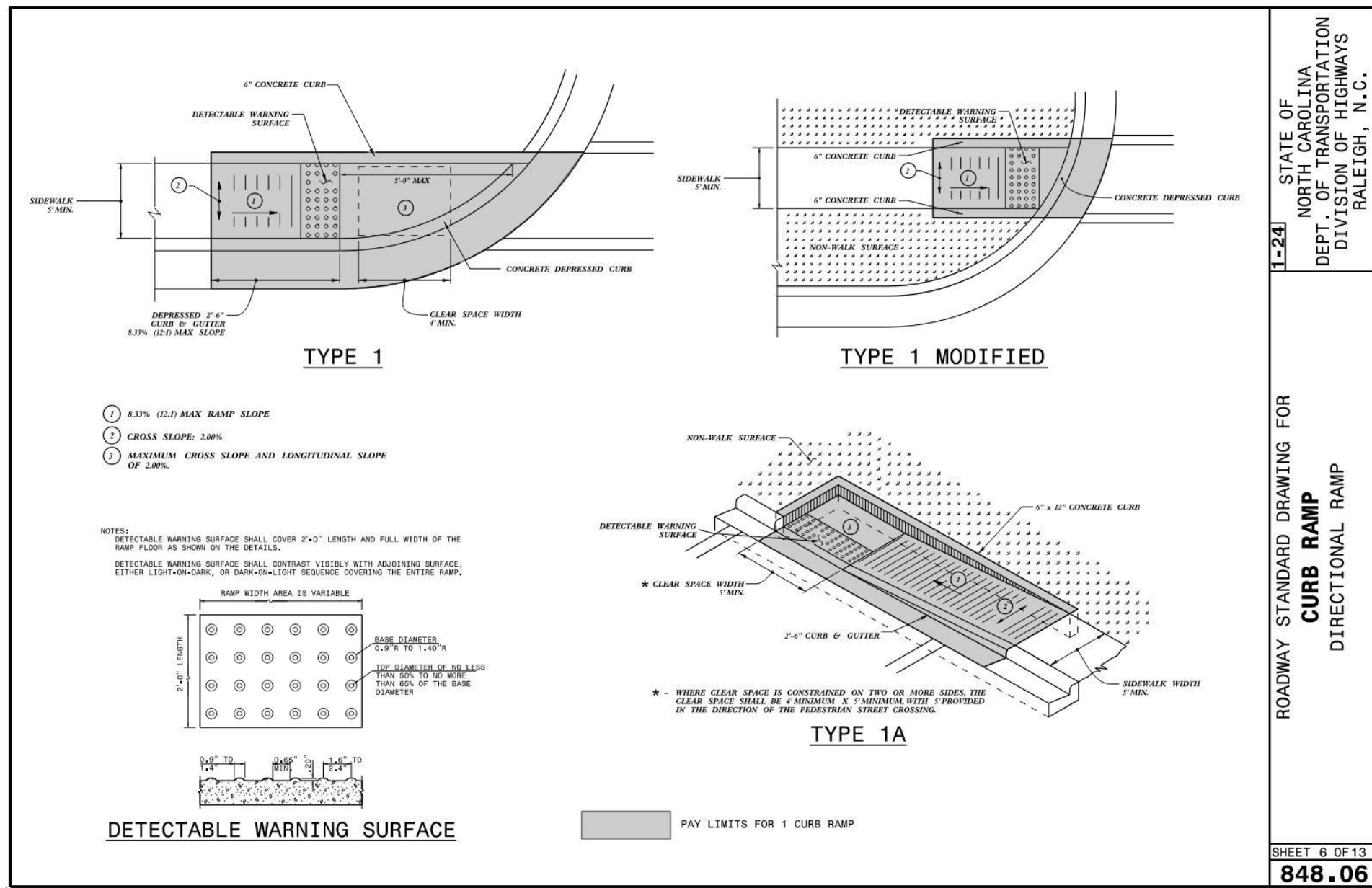
DATE	REVISION DESCRIPTION

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6in Smart CityPole™
SCD No. 31427
SKU No. 90716

AeroSolutions LLC

Description:

- 6in nominal pole diameter blends seamlessly with existing city streetlights.
- Optional pre-wired fiber lines available.
- Included exterior FlexMount™ plate allows for strapless mounting of cameras, pedestrian lights and other equipment.
- Optional high-security locking handhole covers at ground level.

Pole Top:

- Pole compatible with modular pole-top attachments such as equipment cabinets, Wi-Fi shrouds, 5G Cellular Components, and more.

Welding:

- All welding performed as GMAW process and in accordance with AWS D1.1 by AWS-certified welders.

Finishing:

- Galvanized per ASTM A123
- Powder coated in compliance with ASTM D3363, ASTM D522, ASTM D2794, and ASTM B117
- RF-transparent components finished with A-100 Exterior Acrylic Latex paint.
- Marine Guard finishing available.

Lead Time and Shipping:

- US and International options available. Contact Aero Solutions for more info.

Additional products available for quoting separately:

- Light arms, Wi-Fi systems, 5G attachments, advertising display screens, smart lighting controllers, gunshot detection, AI / edge devices, environmental sensors, and more.

6in Smart CityPole™
SCD No. 31427
SKU No. 90716

AeroSolutions LLC

Dimensions

Pole Height (Typical)	10ft, 15ft, 20ft, 30ft (3.0m, 4.6m, 6.1m, 9.1m)
Pole Diameter (Top)	6.625in (16.83cm)
Pole Baseplate Width (Square)	10in (25.40cm)

Accessories:

- Accessory Mount and Cable Access
- RF Transparent, Top Shroud (Height Varies)
- FlexMount™ Camera, Sensor, Lighting & Accessory Plate
- High Security Locking Handhole Cover
- 10.5in Bolt Circle 1in Anchor Diameter

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Aero Solutions, LLC - aerosolutionsllc.com

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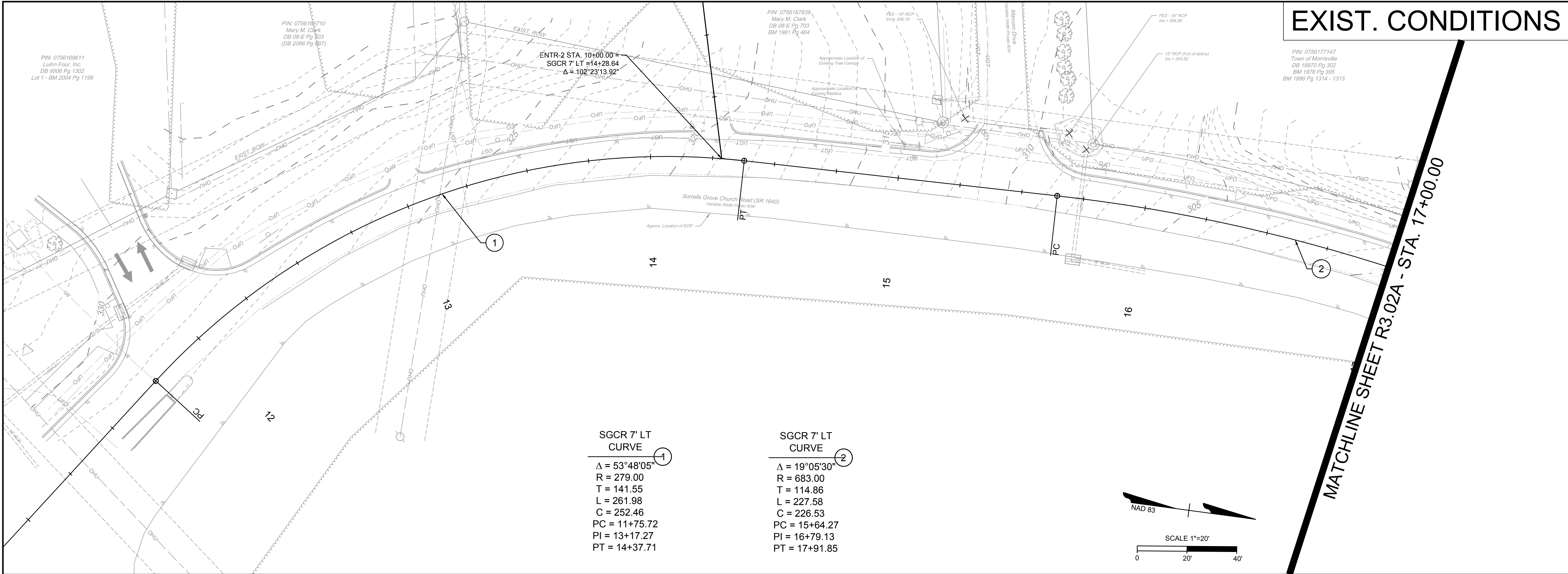
TIMMONS GROUP

SORRELL GROVE CHURCH ROAD SIDEWALK
WAKE COUNTY STATE - NC
STANDARD DETAILS

JOB NO.
52084
SHEET NO.
R2.03

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EXIST. CONDITIONS

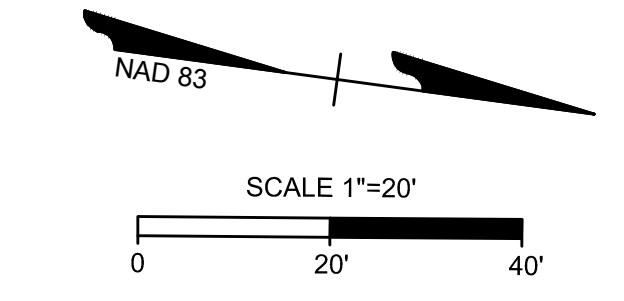


SGCR 7' LT CURVE ①

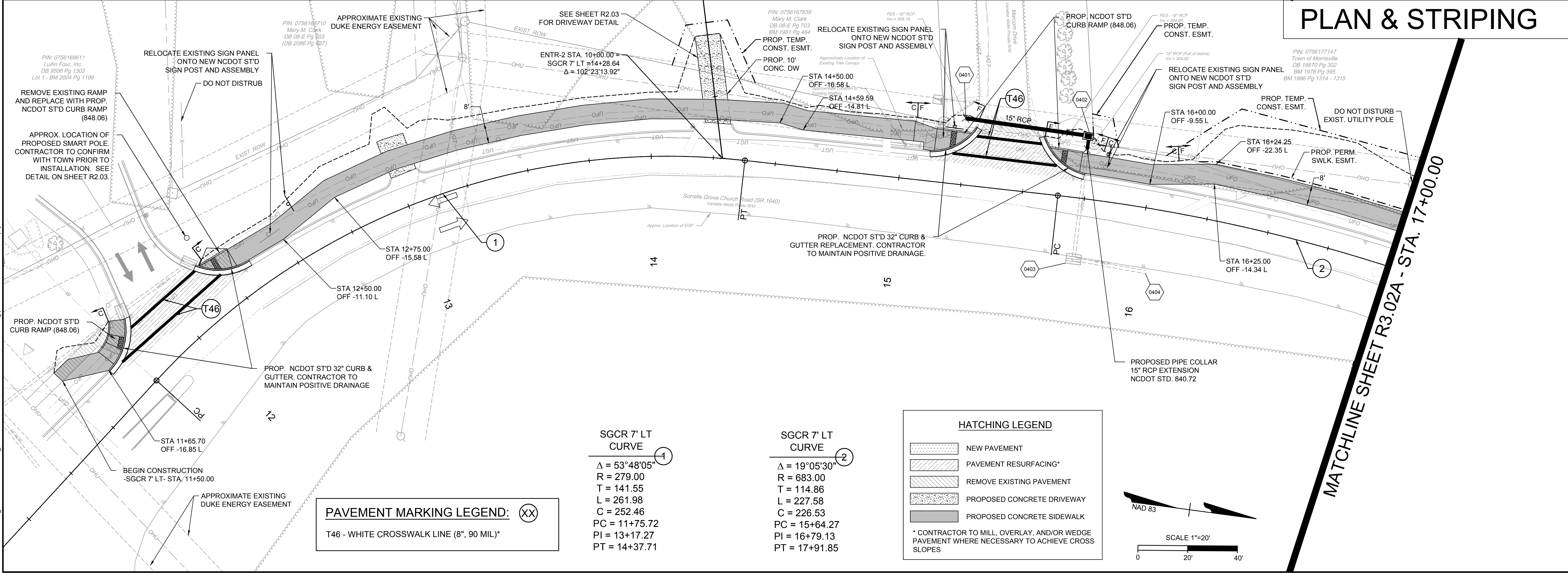
$\Delta = 53^\circ 48' 05''$
 $R = 279.00$
 $T = 141.55$
 $L = 261.98$
 $C = 252.46$
 $PC = 11+75.72$
 $PI = 13+17.27$
 $PT = 14+37.71$

SGCR 7' LT CURVE ②

$\Delta = 19^\circ 05' 30''$
 $R = 683.00$
 $T = 114.86$
 $L = 227.58$
 $C = 226.53$
 $PC = 15+64.27$
 $PI = 16+79.13$
 $PT = 17+91.85$



PLAN & STRIPING



SGCR 7' LT CURVE ①

$\Delta = 53^\circ 48' 05''$
 $R = 279.00$
 $T = 141.55$
 $L = 261.98$
 $C = 252.46$
 $PC = 11+75.72$
 $PI = 13+17.27$
 $PT = 14+37.71$

SGCR 7' LT CURVE ②

$\Delta = 19^\circ 05' 30''$
 $R = 683.00$
 $T = 114.86$
 $L = 227.58$
 $C = 226.53$
 $PC = 15+64.27$
 $PI = 16+79.13$
 $PT = 17+91.85$

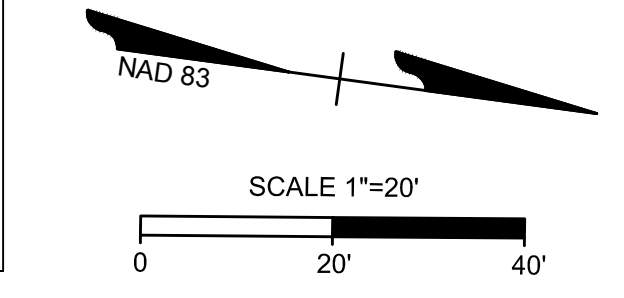
HATCHING LEGEND

- NEW PAVEMENT
- PAVEMENT RESURFACING*
- REMOVE EXISTING PAVEMENT
- PROPOSED CONCRETE DRIVEWAY
- PROPOSED CONCRETE SIDEWALK

* CONTRACTOR TO MILL, OVERLAY, AND/OR WEDGE PAVEMENT WHERE NECESSARY TO ACHIEVE CROSS SLOPES

PAVEMENT MARKING LEGEND: (XX)

T46 - WHITE CROSSWALK LINE (8", 90 MIL)*



MATCHLINE SHEET R3.02A - STA. 17+00.00

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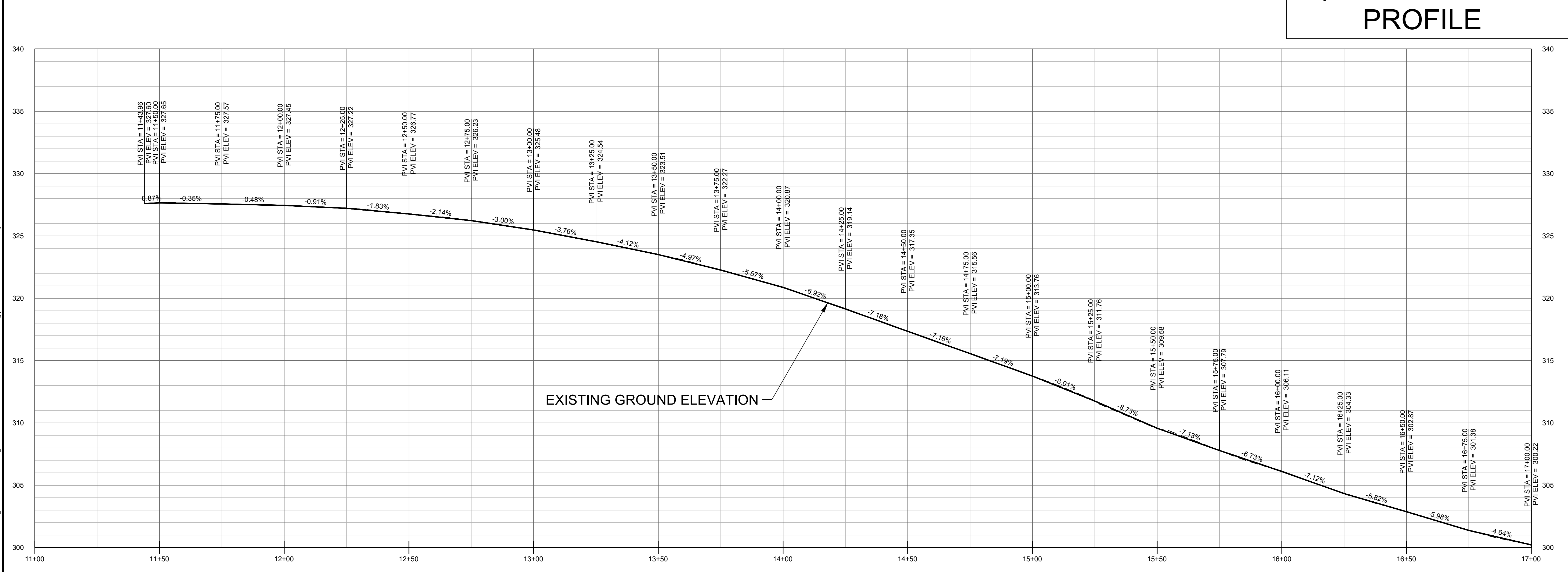
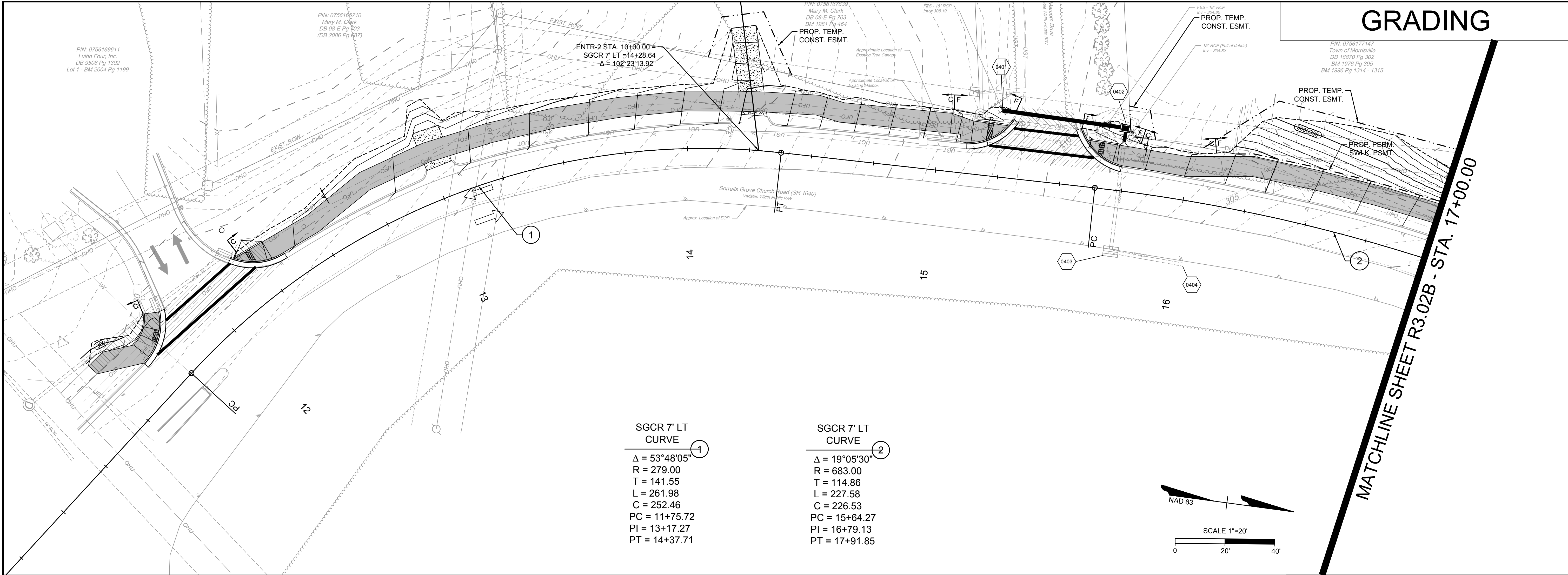
TIMMONS GROUP

SORRELLS GROVE CHURCH ROAD SIDEWALK
 WAKE COUNTY, NC
 EXISTING CONDITIONS, PLAN, & STRIPING

JOB NO. 52084
 SHEET NO. R3.01A

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TIMMONS GROUP

SORRELL GROVE CHURCH ROAD SIDEWALK
 WAKE COUNTY, NC
 GRADING & PROFILE

JOB NO. 52084
 SHEET NO. R3.01B

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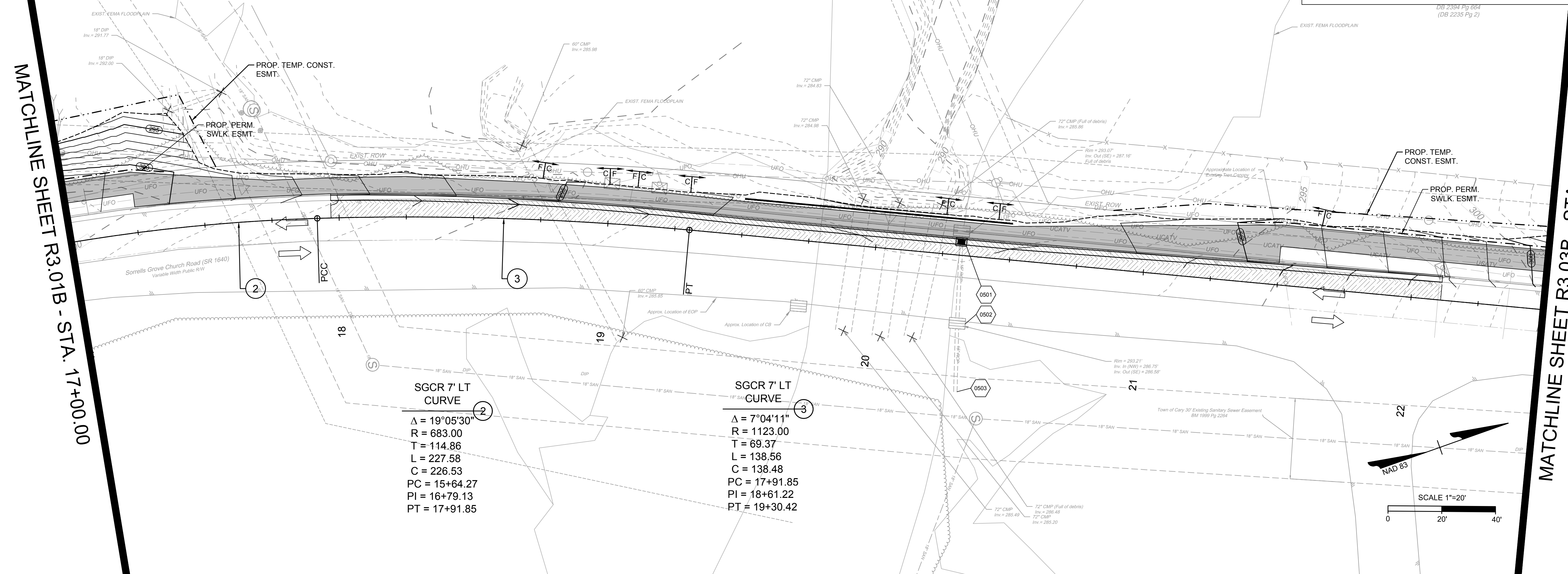
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GRADING

DB 2334 Pg 004
(DB 2235 Pg 2)

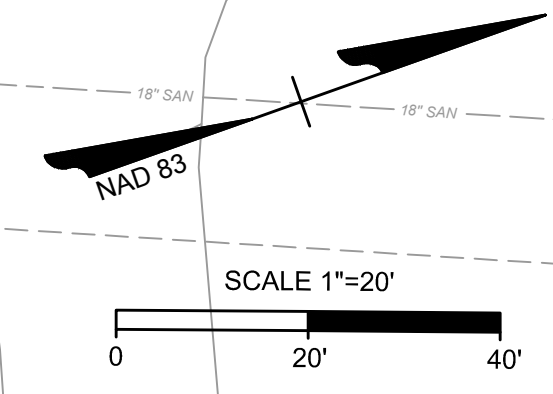
MATCHLINE SHEET R3.03B - STA. 22+50.00

NOT FOR CONSTRUCTION

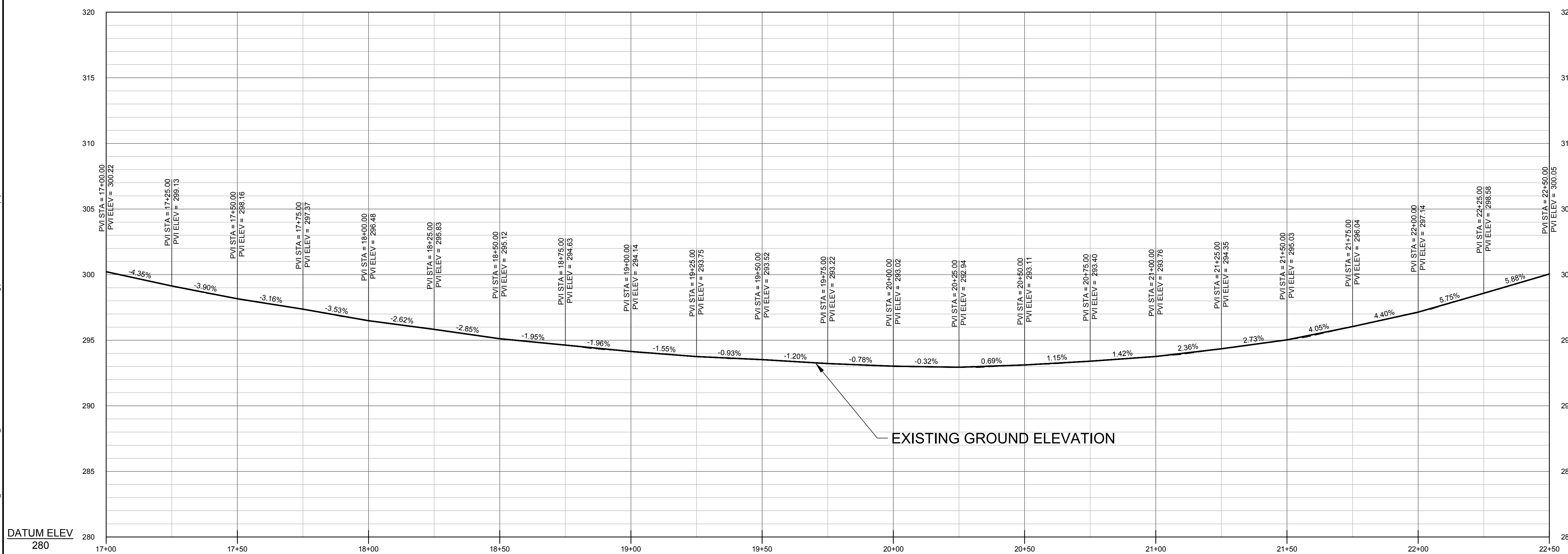


SGCR 7' LT CURVE
 $\Delta = 19^\circ 05' 30''$
 $R = 683.00$
 $T = 114.86$
 $L = 227.58$
 $C = 226.53$
 $PC = 15+64.27$
 $PI = 16+79.13$
 $PT = 17+91.85$

SGCR 7' LT CURVE
 $\Delta = 7^\circ 04' 11''$
 $R = 1123.00$
 $T = 69.37$
 $L = 138.56$
 $C = 138.48$
 $PC = 17+91.85$
 $PI = 18+61.22$
 $PT = 19+30.42$



PROFILE



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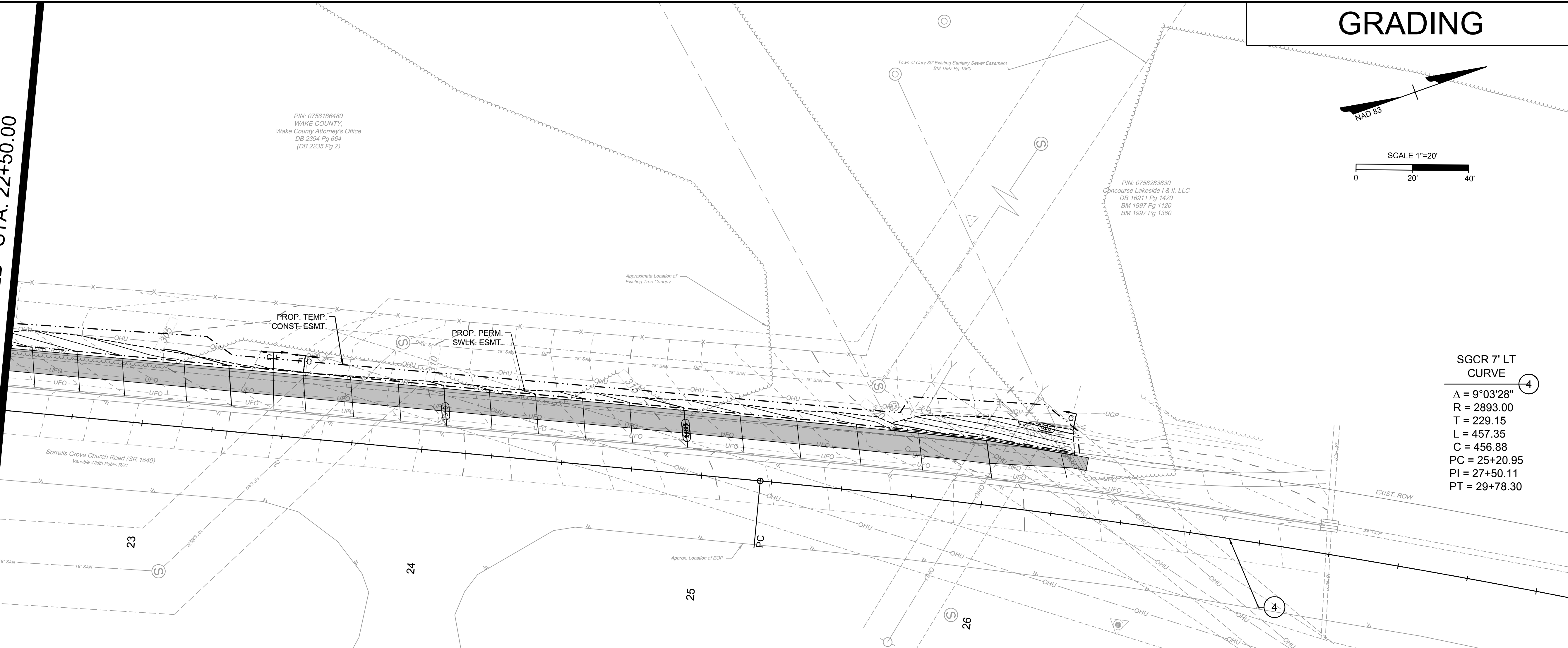
TIMMONS GROUP
 SORRELL GROVE CHURCH ROAD SIDEWALK
 WAKE COUNTY, NC
 GRADING & PROFILE

JOB NO.	52084
SHEET NO.	R3.02B

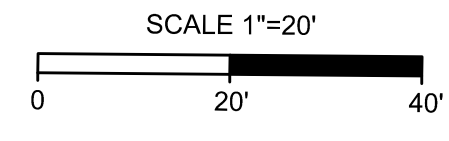
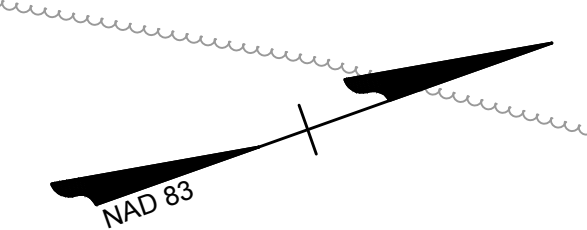
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GRADING



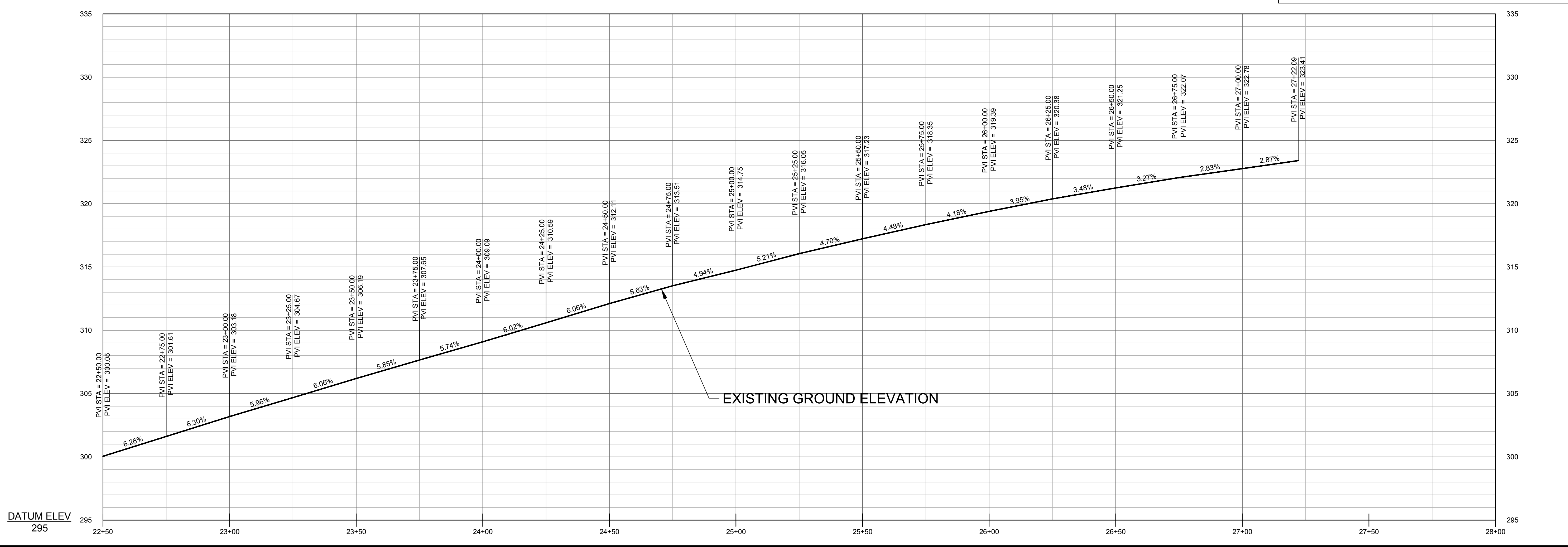
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SORRELL GROVE CHURCH ROAD SIDEWALK
 WAKE COUNTY, NC
 GRADING & PROFILE

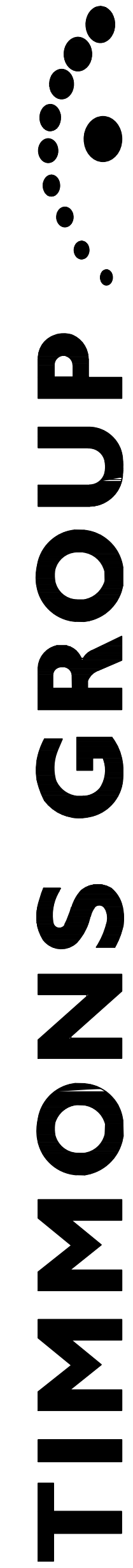
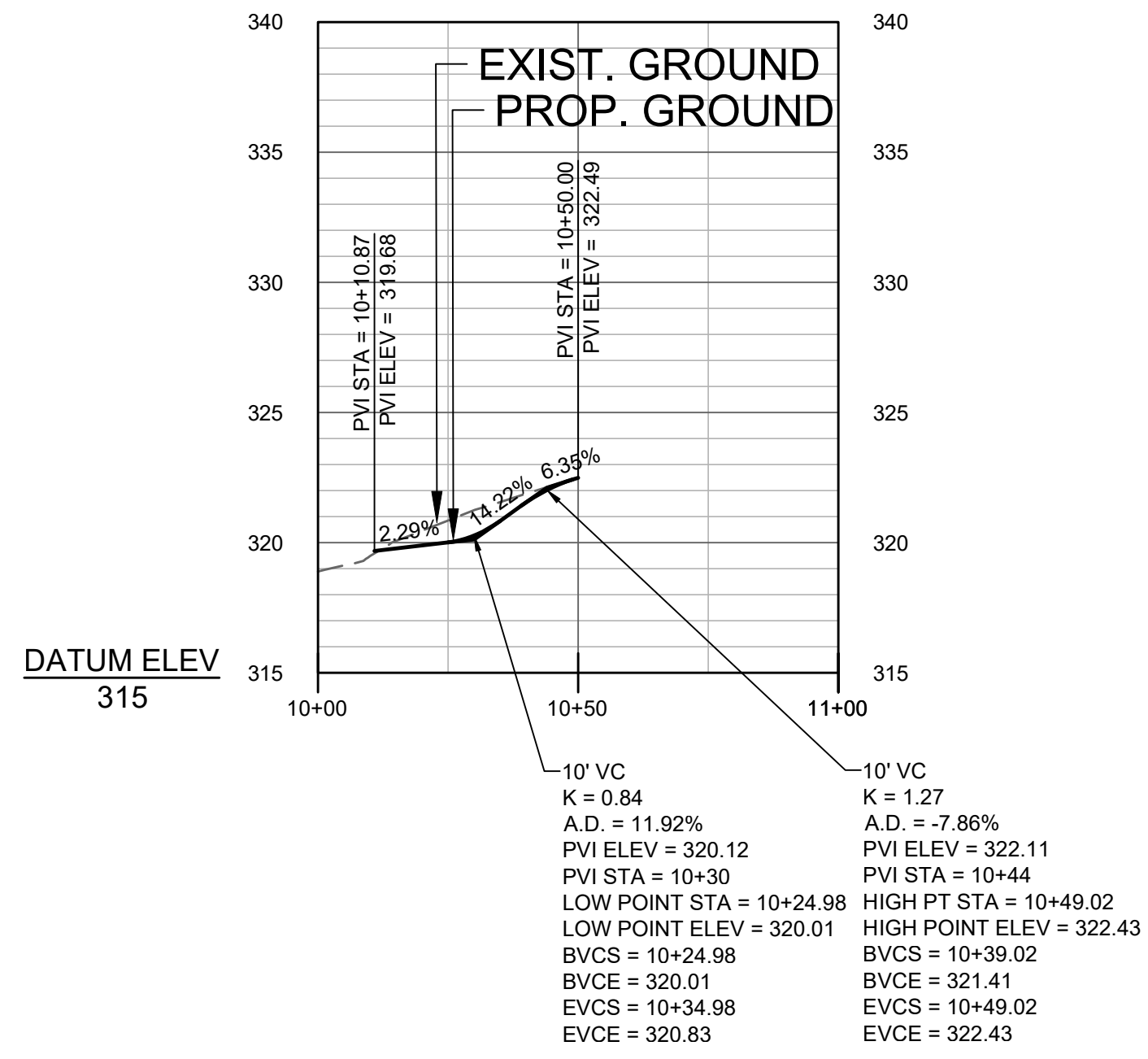
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ENTR-2 PROFILE
 Alignment: ENTR-2
 Horizontal Scale: 1" = 30'
 Vertical Scale: 1 : 6'

STA. 10+00.00 TO STA. 11+00.00
 TOP GRID ELEV. = 340.00
 BOTTOM GRID ELEV. = 315.00



SORRELL GROVE CHURCH ROAD SIDEWALK
 WAKE COUNTY STATE - NC
 ENTRANCE PROFILE SHEET

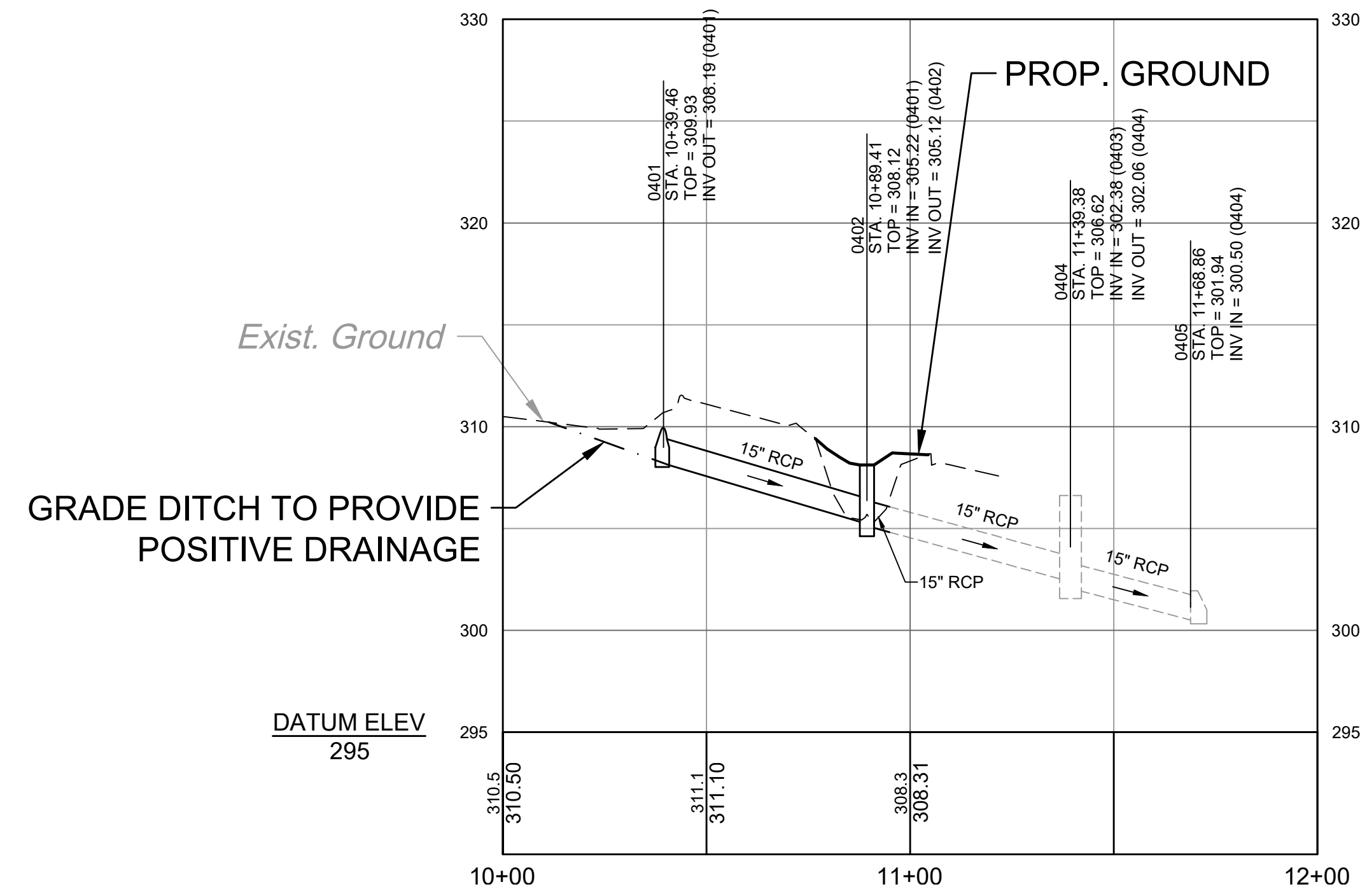
JOB NO.
52084
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R4.00

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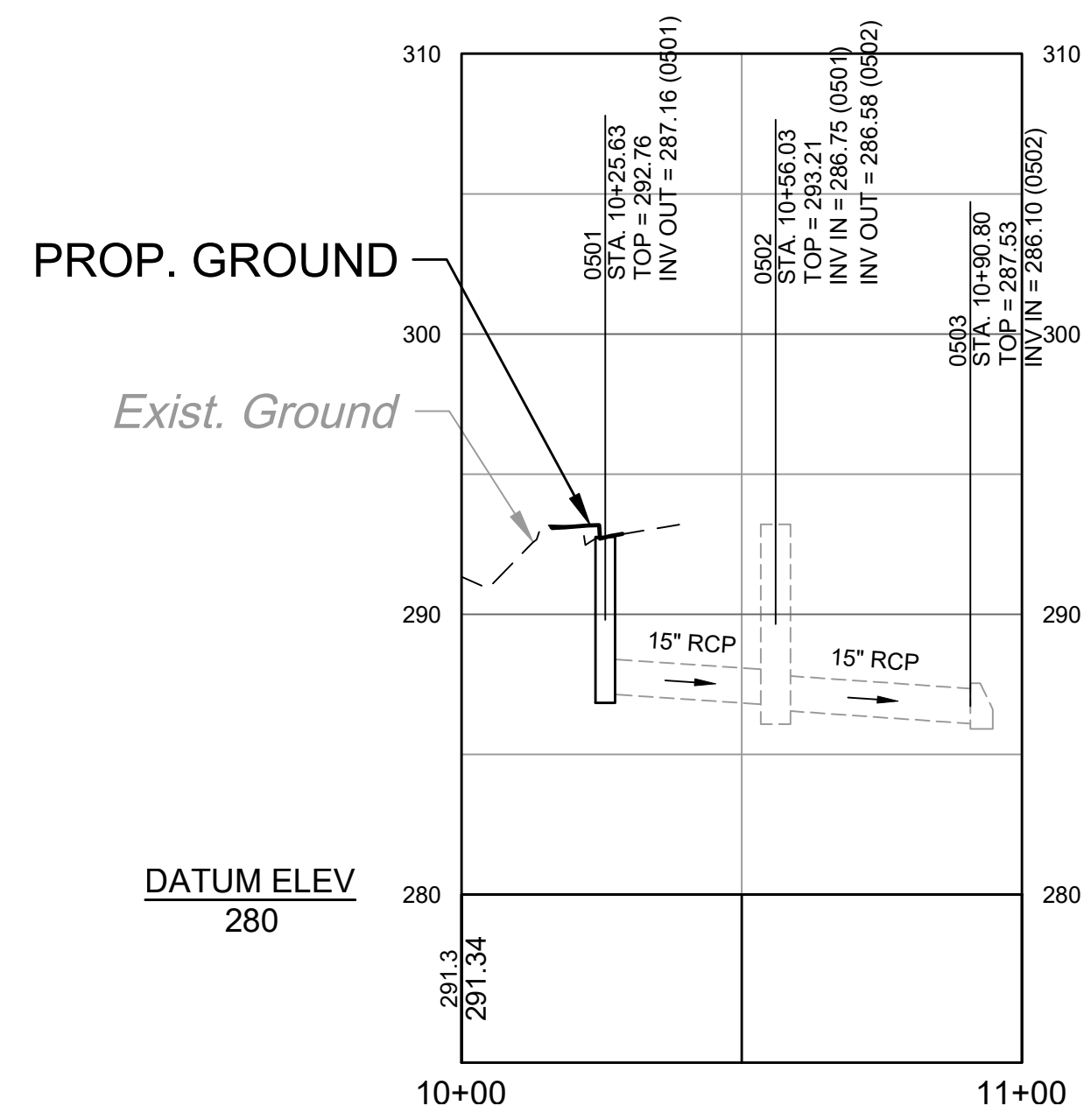
STRM - 0401 TO 0404



STORM STRUCTURE TABLE			
STRUCTURE #	TOP	STRUCTURE HEIGHT	DESCRIPTION
0401	309.93	5.71'	OPEN
0402	308.12	3.00'	DI - STD. 840.14
0403	300.79	7.16'	PIPE COLLAR - STD. 840.72
0404	306.62	4.56'	EX-CB-E
0405	301.94	2.94'	EX-OPEN

STORM PIPE TABLE							
PIPE #	DIA	FROM - TO	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE	LENGTH	DESCRIPTION
0401	15"	0401 - 0402	308.19	305.22	5.95%	49.95 LF	15" RCP-IV
0402	15"	0402 - 0403	305.12	304.82	5.44%	5.51 LF	15" RCP-IV
0403	15"	0403 - 0404	304.82	302.38	5.49%	44.46 LF	EX-15" RCP
0404	15"	0404 - 0405	302.06	300.50	5.29%	29.47 LF	EX-15" RCP

STRM - 0501 TO 0503



STORM STRUCTURE TABLE			
STRUCTURE #	TOP	STRUCTURE HEIGHT	DESCRIPTION
0501	292.76	5.42'	CB-E - STD. 840.03
0502	293.21	6.63'	EX-CB-E
0503	287.53	2.94'	EX-OPEN

STORM PIPE TABLE							
PIPE #	DIA	FROM - TO	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE	LENGTH	DESCRIPTION
0501	15"	0501 - 0502	287.16	286.75	1.35%	30.40 LF	EX-15" RCP
0502	15"	0502 - 0503	286.58	286.10	1.39%	34.77 LF	EX-15" RCP

NOTE:

THE HORIZONTAL LOCATION OF ALL DRAINAGE STRUCTURES SHOWN ON THESE PLANS IS APPROXIMATE ONLY. STATION AND OFFSETS ARE PROVIDED FOR PLAN REFERENCE ONLY. FIELD ADJUSTMENTS MAY BE NEEDED BASED ON EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR REPORTING ANY DISCREPANCIES IN STRUCTURE ELEVATIONS OR THE PROPOSED PIPE INVERTS TO THE ENGINEER. THE CONTRACTOR IS ALSO RESPONSIBLE TO REPORT ANY CONFLICTS BETWEEN ANY UTILITY, STORM DRAIN LINE, WATER LINE, SEWER LINE, OR ANY OTHER PROPOSED OR EXISTING STRUCTURE TO THE ENGINEER.

THE HORIZONTAL LOCATION AND INVERT ELEVATIONS SHOWN FOR PROPOSED CULVERTS AND STORM SEWER OUTFALL PIPES ARE BASED ON EXISTING SURVEY DATA AND REQUIRED DESIGN CRITERIA. IF DURING CONSTRUCTION, IT IS FOUND THAT THE HORIZONTAL LOCATION OR INVERT ELEVATIONS SHOWN ON THE PLANS DIFFER SIGNIFICANTLY FROM THE HORIZONTAL LOCATION OR ELEVATIONS OF STREAM OR SWALE IN WHICH THE CULVERT OR STORM SEWER PIPE IS PLACED, THE CONTRACTOR SHALL CONFER WITH, AND GET APPROVAL FROM THE ENGINEER OF RECORD BEFORE INSTALLING THE CULVERT OR STORM SEWER OUTFALL PIPE.

ALL STRUCTURE HEIGHTS (H) ARE MEASURED FROM STRUCTURE INVERT TO FACE OF CURB.

CONTRACTOR TO REPLACE 4' OF EXISTING PIPE ON EITHER SIDE OF PROPOSED STRUCTURE WHEN CONNECTING TO EXISTING STORM NETWORK.

MANHOLE HEIGHTS ARE MEASURED FROM STRUCTURE INVERT TO MANHOLE FRAME WITH COVER.

ALL PIPES TO BE CLASS IV UNLESS OTHERWISE SPECIFIED.

L:\2023\25284-Morrisville_Ch-Cali05-203-SCCP_Sidewalk\DWG\Sheet\CD\5284_005-203-CR_00.dwg | Plotted on 3/10/2026 4:14 PM | by Blair Welch

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ZRM

DESIGNED BY
ZRM

CHECKED BY
BPW

SCALE

REVISION DESCRIPTION

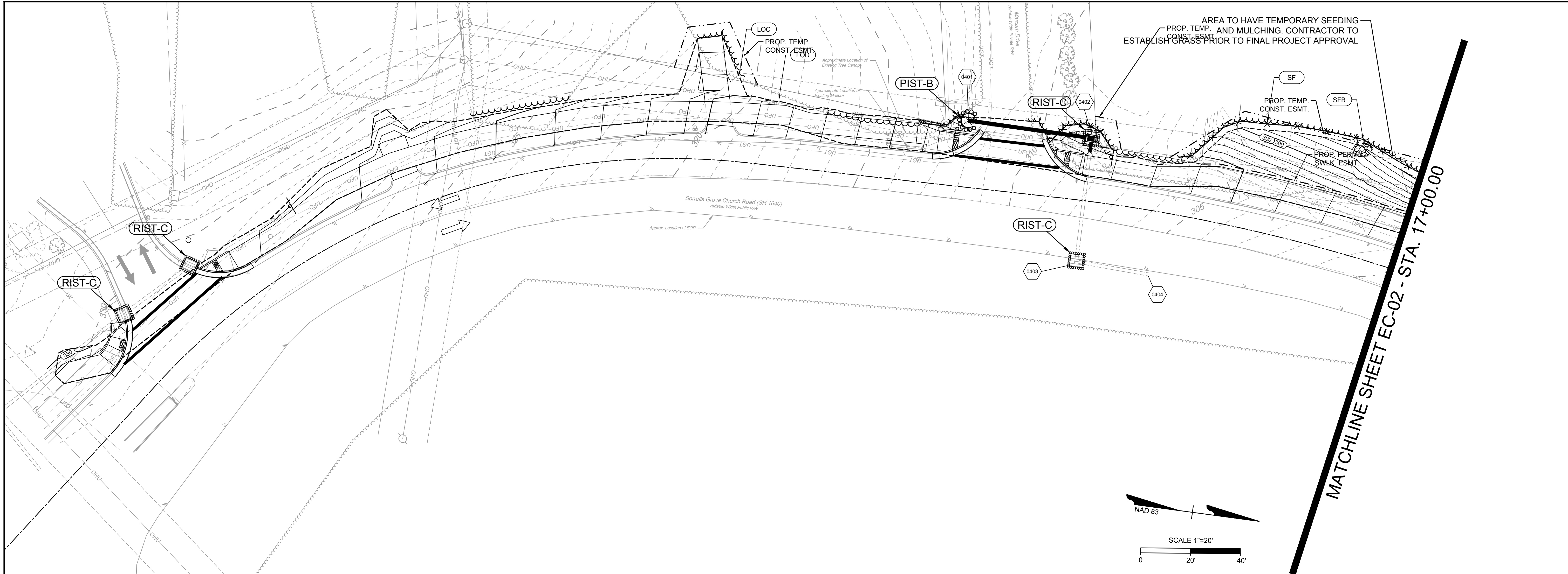
JOB NO.
52084

SHEET NO.
R6.00



SORRELL GROVE CHURCH ROAD SIDEWALK
WAKE COUNTY STATE - NC
STORM PROFILES AND DRAINAGE DESCRIPTIONS

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TIMMONS GROUP

SORRELLS GROVE CHURCH ROAD SIDEWALK
 WAKE COUNTY, NC

EROSION CONTROL

JOB NO. 52084
 SHEET NO. EC-01

PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO EXTEND THE SIDEWALK ALONG THE WEST SIDE OF SORRELLS GROVE CHURCH ROAD TO CONNECT THE NORTH AND SOUTH PORTIONS OF EXISTING SIDEWALK.

EROSION AND SEDIMENT CONTROL MEASURES:

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION EROSION AND SEDIMENT CONTROL DESIGN AND CONSTRUCTION MANUAL. THE MINIMUM STANDARDS SET FORTH BY THIS MANUAL SHALL BE ADHERED TO UNLESS OTHERWISE WAIVED OR APPROVED BY A VARIANCE.

EROSION CONTROL SEQUENCE OF CONSTRUCTION

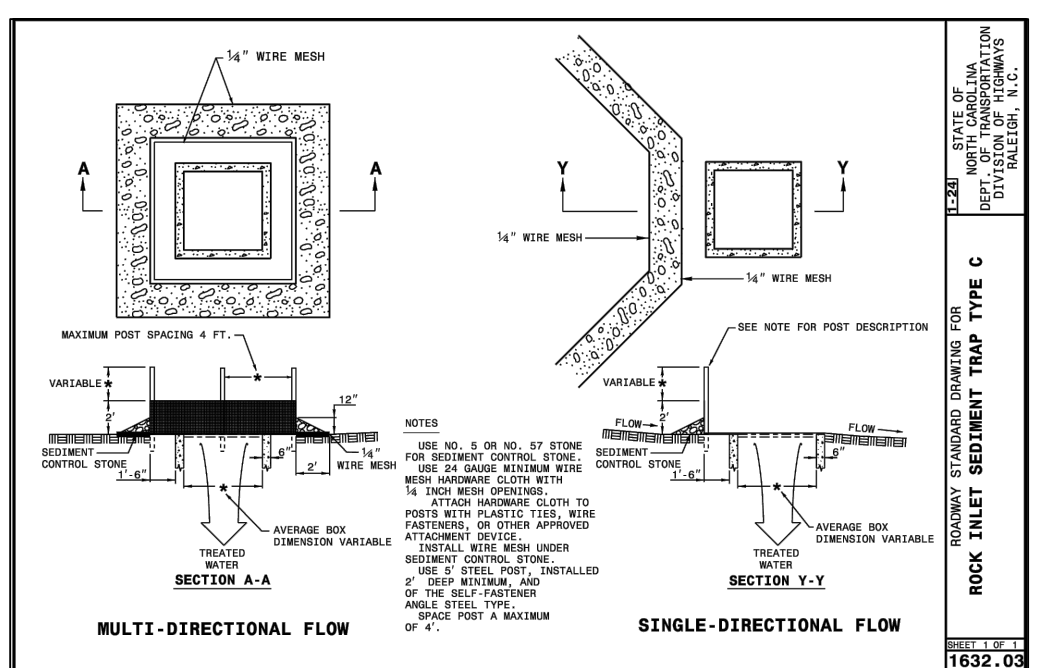
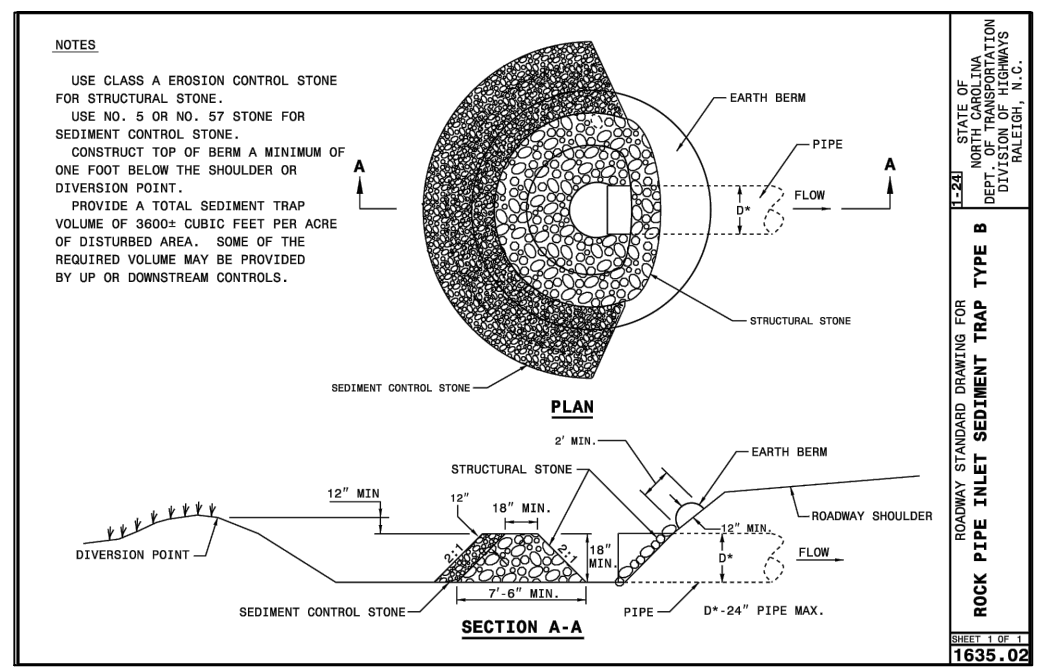
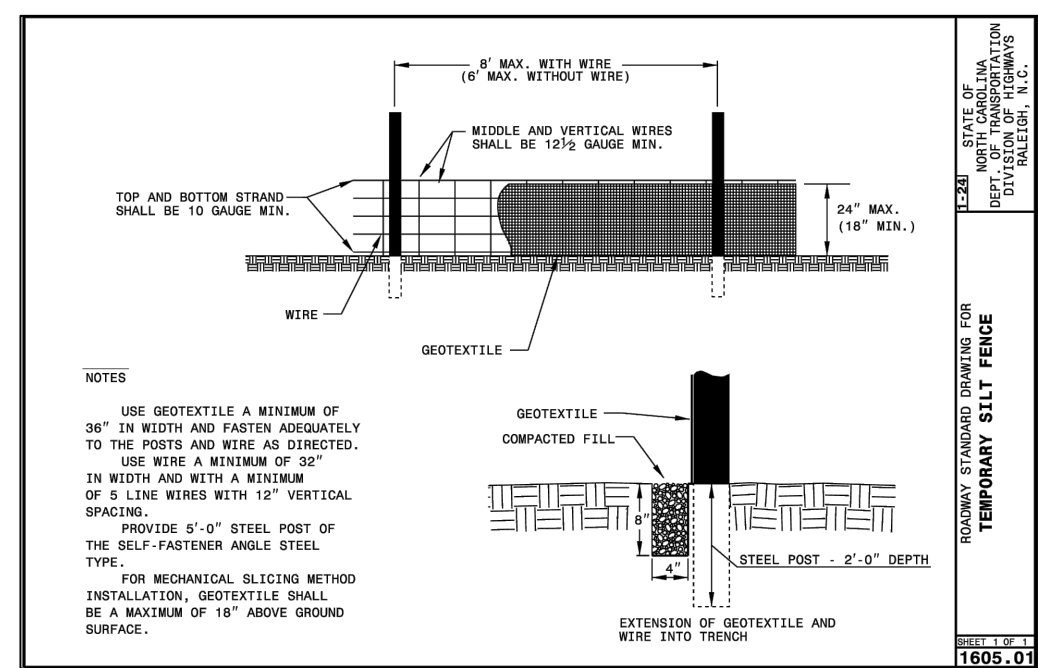
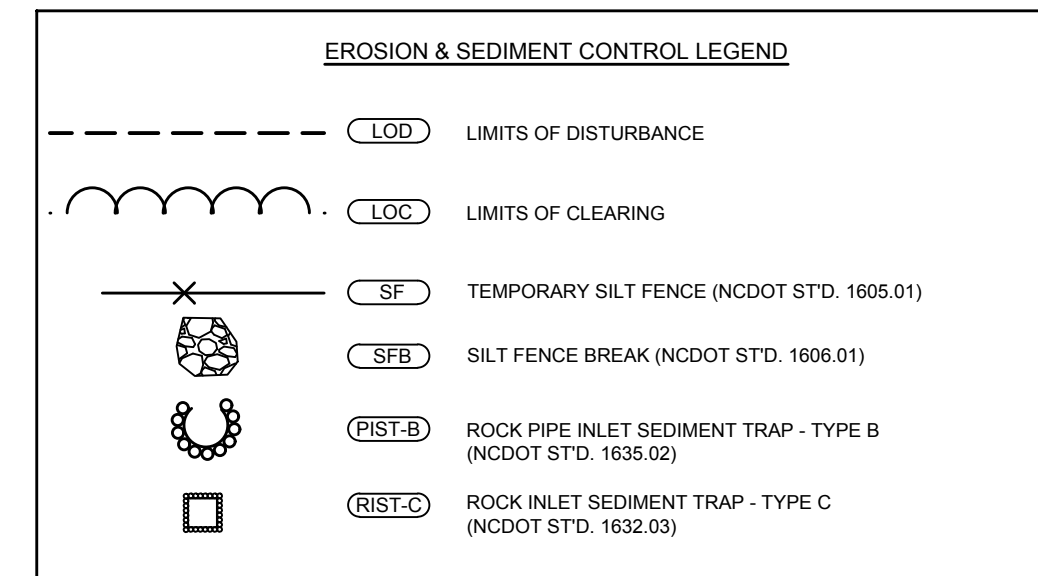
A SINGLE-PHASED EROSION CONTROL APPROACH IS PROVIDED BELOW TO DESCRIBE GENERAL MEASURES REQUIRED TO MAINTAIN THE SITE THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL APPLY PHASE I AS DESCRIBED HEREIN TO THE VARIOUS WORK AREAS ASSOCIATED WITH THIS PROJECT. DUE TO THE NATURE OF WORK AREAS, THE CONTRACTOR SHALL ENSURE EROSION CONTROL MEASURES ARE PROVIDED AS DESCRIBED THROUGH PROJECT COMPLETION AND ACCEPTANCE.

PHASE I:

1. PROVIDE MINIMAL CLEARING TO INSTALL SILT FENCE AS SHOWN ON THE PLANS. INSTALL CULVERT PROTECTION AS REQUIRED FOR EXISTING PIPES. TAKE SPECIAL CARE TO KEEP SOIL BUILD-UP FROM ENTERING THE EXISTING ROAD PAVEMENT.
2. THE CONTRACTOR WILL NOTIFY THE INSPECTOR OF THE PERMITTED LOCATION EXCESS SOIL MATERIAL IS HAULED TO OR BORROW MATERIAL IS BROUGHT IN FROM.
3. CLEAR AND GRUB AS INDICATED IN THE PLANS. MAINTAIN ACCESS ALONG EXISTING ROADS AND TO EXISTING DRIVEWAYS AT ALL TIMES.
4. TEMPORARY GRADING AND SEEDING IS REQUIRED FOR ALL AREAS WHEN DIRECTED:
 - 4.1. WHEN IT IS IMPOSSIBLE OR IMPRACTICAL TO BRING AN AREA TO THE FINAL LINE, GRADE AND FINISH SO THAT PERMANENT SEEDING AND MULCHING OPERATIONS CAN BE PERFORMED WITHOUT SUBSEQUENT SERIOUS DISTURBANCE BY ADDITIONAL GRADING
 - 4.2. WHEN EROSION OCCURS OR IS CONSIDERED TO BE POTENTIALLY SUBSTANTIAL ON AREAS OF GRADED ROADBED WHERE CONSTRUCTION OPERATIONS ARE TEMPORARILY SUSPENDED OR WHEN THE GRADING OF THE ROADBED HAS BEEN COMPLETED SUBSTANTIALLY IN ADVANCE OF THE PAVING CONSTRUCTION
 - 4.3. DURING SEASONS OF THE YEAR WHEN PERMANENT SEEDING AND MULCHING IS PROHIBITED BY THE CONTRACT
 - 4.4. WHEN AN IMMEDIATE COVER WOULD BE DESIRABLE TO MINIMIZE EROSION, SILTATION OR POLLUTION ON ANY AREA
 - 4.5. 7/14-DAY SOIL STABILIZATION REQUIREMENTS APPLY TO ANY SECTION OF THE PROJECT WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED AND SHALL SUPERSEDE ANY LESS STRINGENT STABILIZATION REQUIREMENTS ON THE PLANS. (G.S. 143-215.1)
6. CONTRACTOR SHALL REMOVE AND REPLACE ANY DAMAGED EROSION CONTROL MEASURES UNTIL FINAL APPROVAL OF CONSTRUCTION.
7. THE SITE SHALL BE PERMANENTLY STABILIZED AFTER ALL GRADING HAS BEEN COMPLETED BY SEEDING ALL DISTURBED AREAS.
8. UPON CONSTRUCTION COMPLETION, THE CONTRACTOR MUST CONTACT THE INSPECTOR FOR EROSION CONTROL INSPECTION OF SLOPE STABILITY. EROSION CONTROL MEASURES MAY NOT BE REMOVED WITHOUT AUTHORIZATION BY THE ASSIGNED INSPECTOR.
9. UPON APPROVAL CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL DEVICES.

NOTE:
 1. CONTRACTOR MUST KEEP THE EXISTING ROAD FREE FROM BUILDUP OF SOIL.

EROSION CONTROL NOTES & DETAILS

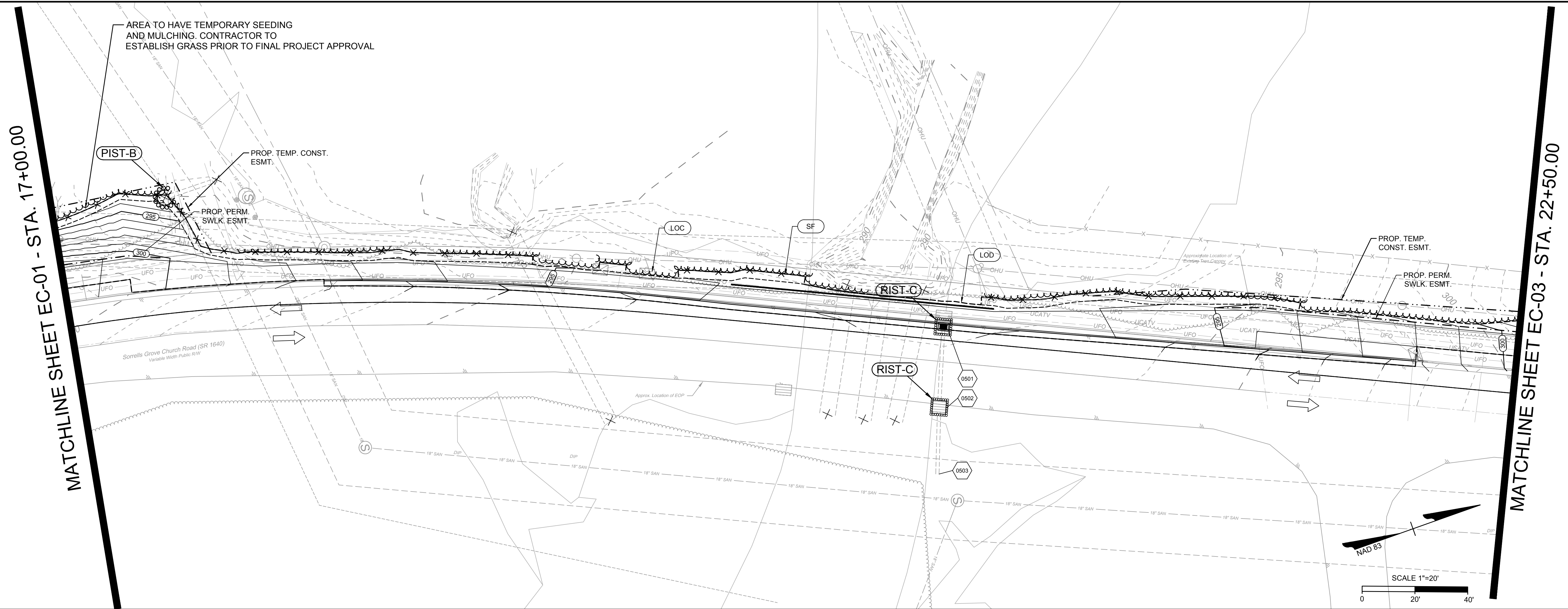


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MATCHLINE SHEET EC-01 - STA. 17+00.00

MATCHLINE SHEET EC-03 - STA. 22+50.00



PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO EXTEND THE SIDEWALK ALONG THE WEST SIDE OF SORRELLS GROVE CHURCH ROAD TO CONNECT THE NORTH AND SOUTH PORTIONS OF EXISTING SIDEWALK.

EROSION AND SEDIMENT CONTROL MEASURES:

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION EROSION AND SEDIMENT CONTROL DESIGN AND CONSTRUCTION MANUAL. THE MINIMUM STANDARDS SET FORTH BY THIS MANUAL SHALL BE ADHERED TO UNLESS OTHERWISE WAIVED OR APPROVED BY A VARIANCE.

EROSION CONTROL SEQUENCE OF CONSTRUCTION

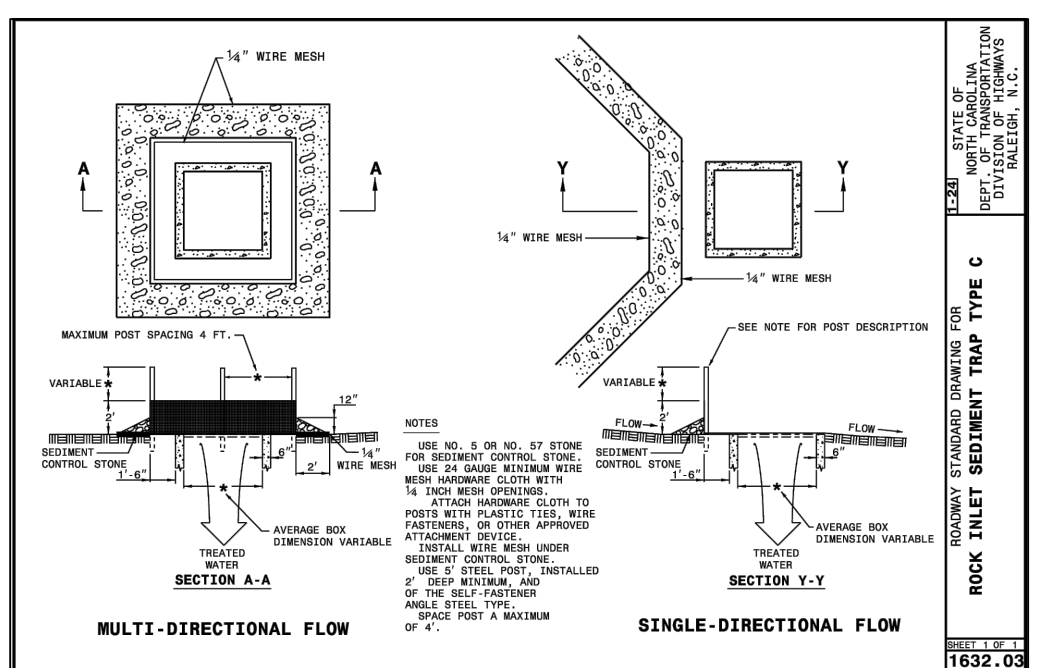
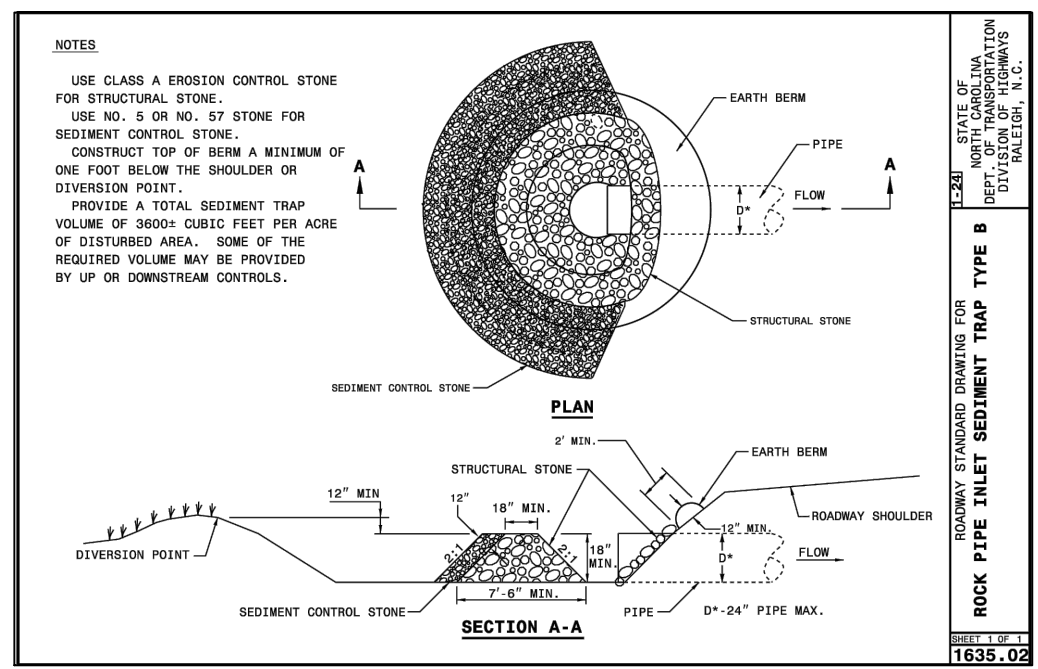
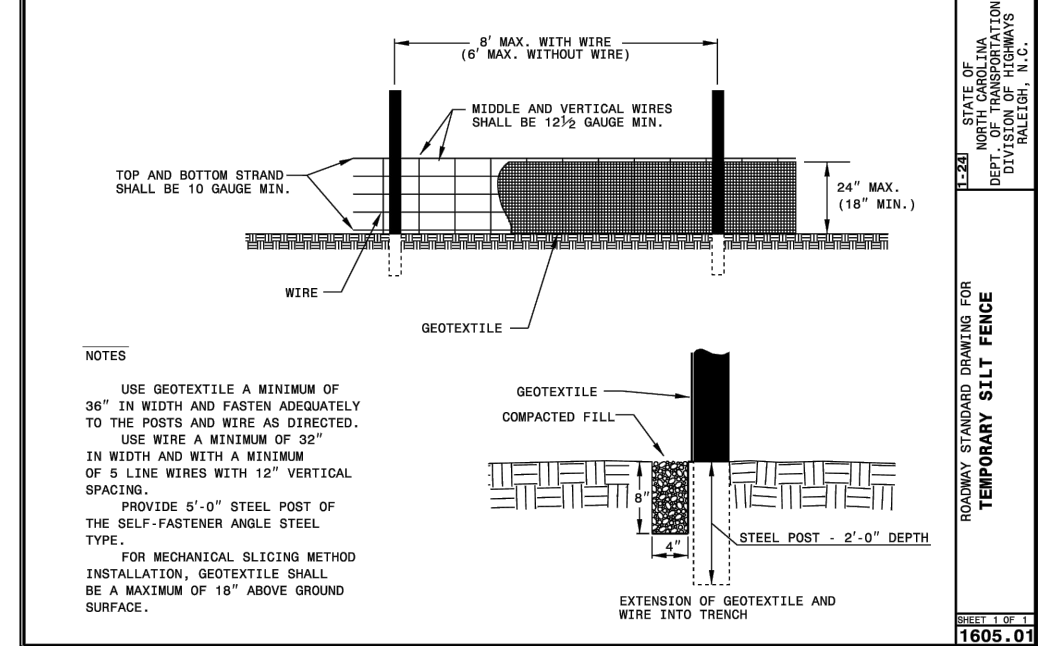
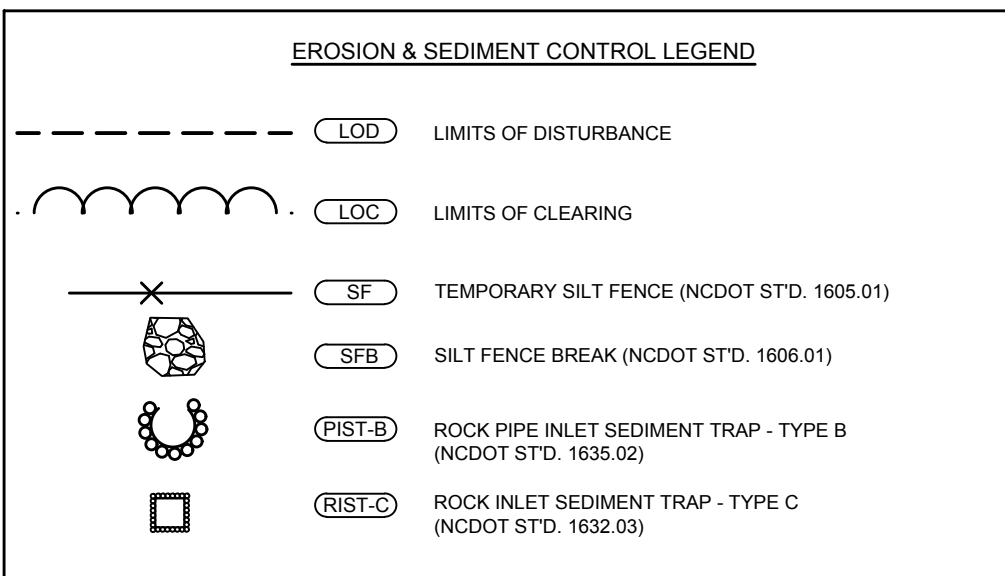
A SINGLE-PHASED EROSION CONTROL APPROACH IS PROVIDED BELOW TO DESCRIBE GENERAL MEASURES REQUIRED TO MAINTAIN THE SITE THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL APPLY PHASE I AS DESCRIBED HEREIN TO THE VARIOUS WORK AREAS ASSOCIATED WITH THIS PROJECT. DUE TO THE NATURE OF WORK AREAS, THE CONTRACTOR SHALL ENSURE EROSION CONTROL MEASURES ARE PROVIDED AS DESCRIBED THROUGH PROJECT COMPLETION AND ACCEPTANCE.

PHASE I:

1. PROVIDE MINIMAL CLEARING TO INSTALL SILT FENCE AS SHOWN ON THE PLANS. INSTALL CULVERT PROTECTION AS REQUIRED FOR EXISTING PIPES. TAKE SPECIAL CARE TO KEEP SOIL BUILD-UP FROM ENTERING THE EXISTING ROAD PAVEMENT.
2. THE CONTRACTOR WILL NOTIFY THE INSPECTOR OF THE PERMITTED LOCATION EXCESS SOIL MATERIAL IS HAULED TO OR BORROW MATERIAL IS BROUGHT IN FROM.
3. CLEAR AND GRUB AS INDICATED IN THE PLANS. MAINTAIN ACCESS ALONG EXISTING ROADS AND TO EXISTING DRIVEWAYS AT ALL TIMES.
4. TEMPORARY GRADING AND SEEDING IS REQUIRED FOR ALL AREAS WHEN DIRECTED:
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 - 4.2. WHEN EROSION OCCURS OR IS CONSIDERED TO BE POTENTIALLY SUBSTANTIAL ON AREAS OF GRADED ROADBED WHERE CONSTRUCTION OPERATIONS ARE TEMPORARILY SUSPENDED OR WHEN THE GRADING OF THE ROADBED HAS BEEN COMPLETED SUBSTANTIALLY IN ADVANCE OF THE PAVING CONSTRUCTION
 - 4.3. DURING SEASONS OF THE YEAR WHEN PERMANENT SEEDING AND MULCHING IS PROHIBITED BY THE CONTRACT
 - 4.4. WHEN AN IMMEDIATE COVER WOULD BE DESIRABLE TO MINIMIZE EROSION, SILTATION OR POLLUTION ON ANY AREA
 - 4.5. 7/14-DAY SOIL STABILIZATION REQUIREMENTS APPLY TO ANY SECTION OF THE PROJECT WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED AND SHALL SUPERSEDE ANY LESS STRINGENT STABILIZATION REQUIREMENTS ON THE PLANS. (G.S. 143-215.1)
6. CONTRACTOR SHALL REMOVE AND REPLACE ANY DAMAGED EROSION CONTROL MEASURES UNTIL FINAL APPROVAL OF CONSTRUCTION.
7. THE SITE SHALL BE PERMANENTLY STABILIZED AFTER ALL GRADING HAS BEEN COMPLETED BY SEEDING ALL DISTURBED AREAS.
8. UPON CONSTRUCTION COMPLETION, THE CONTRACTOR MUST CONTACT THE INSPECTOR FOR EROSION CONTROL INSPECTION OF SLOPE STABILITY. EROSION CONTROL MEASURES MAY NOT BE REMOVED WITHOUT AUTHORIZATION BY THE ASSIGNED INSPECTOR.
9. UPON APPROVAL CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL DEVICES.

NOTE:
1. CONTRACTOR MUST KEEP THE EXISTING ROAD FREE FROM BUILDUP OF SOIL.

EROSION CONTROL NOTES & DETAILS



TIMMONS GROUP

SORRELLS GROVE CHURCH ROAD SIDEWALK
WAKE COUNTY, NC
EROSION CONTROL

JOB NO. 52084
SHEET NO. EC-02

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TIMMONS GROUP

SORRELL GROVE CHURCH ROAD SIDEWALK
 WAKE COUNTY, NC

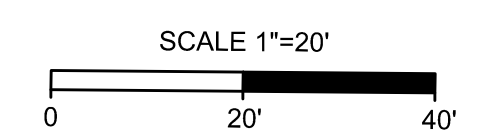
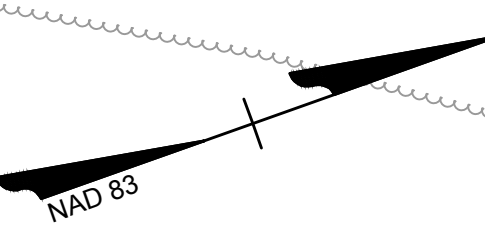
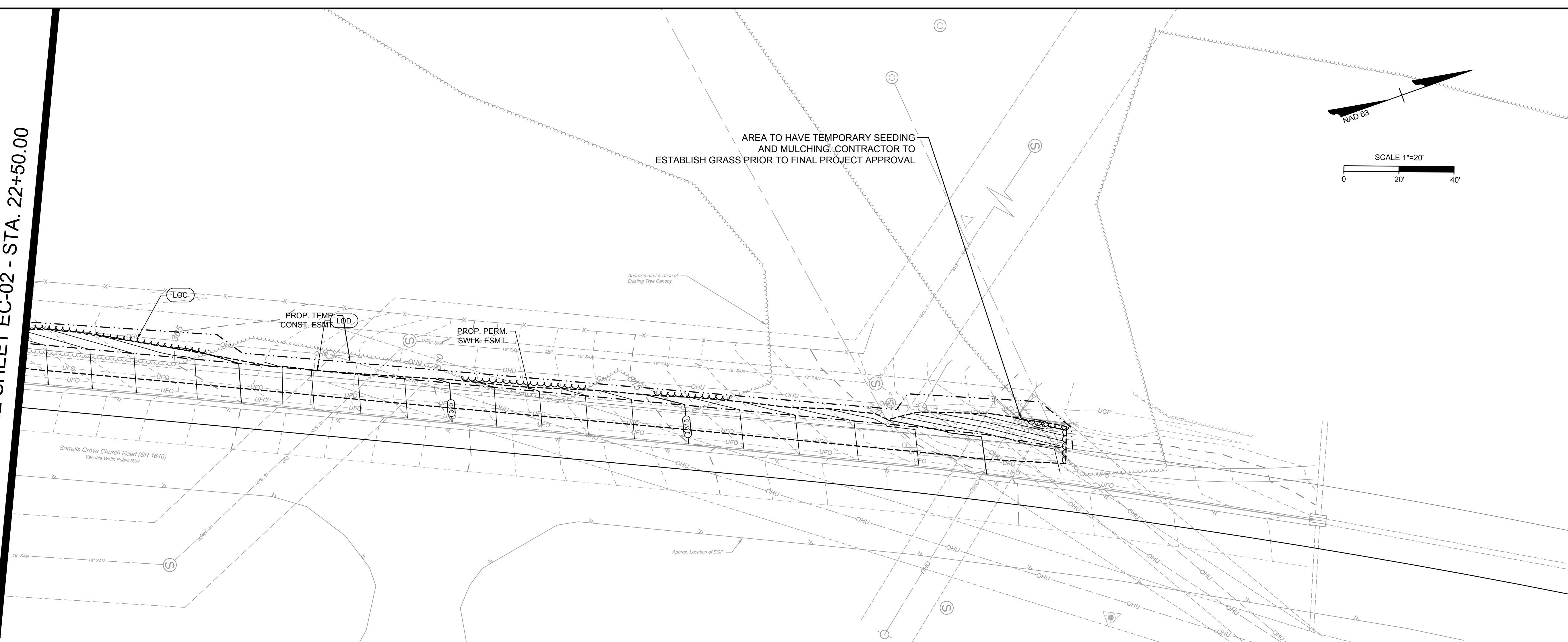
EROSION CONTROL

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PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO EXTEND THE SIDEWALK ALONG THE WEST SIDE OF SORRELL GROVE CHURCH ROAD TO CONNECT THE NORTH AND SOUTH PORTIONS OF EXISTING SIDEWALK.

EROSION AND SEDIMENT CONTROL MEASURES:

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION EROSION AND SEDIMENT CONTROL DESIGN AND CONSTRUCTION MANUAL. THE MINIMUM STANDARDS SET FORTH BY THIS MANUAL SHALL BE ADHERED TO UNLESS OTHERWISE WAIVED OR APPROVED BY A VARIANCE.

EROSION CONTROL SEQUENCE OF CONSTRUCTION

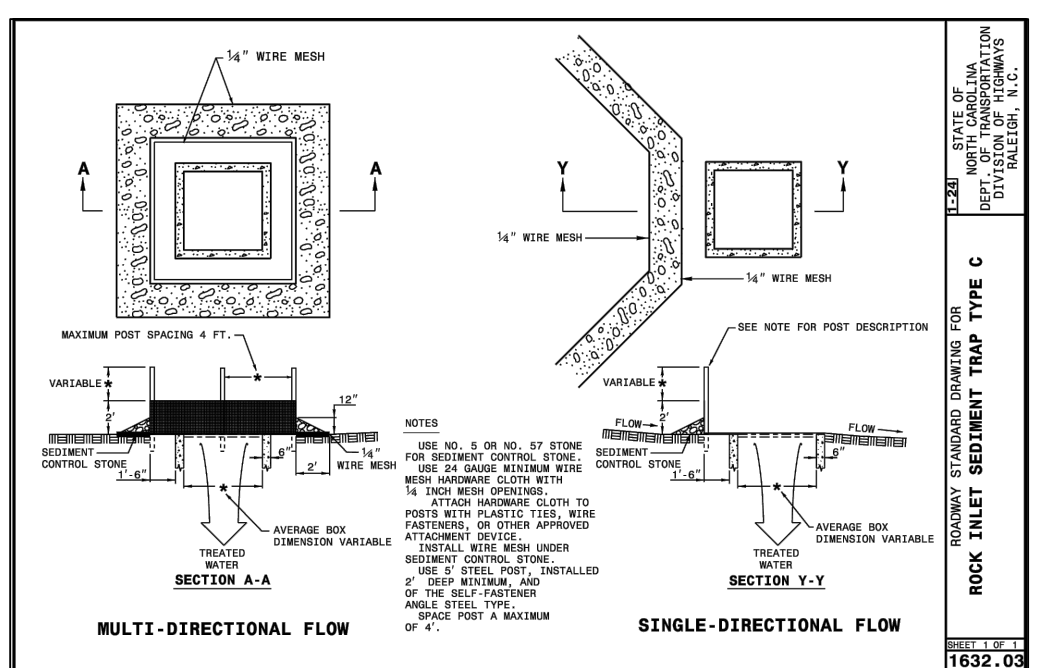
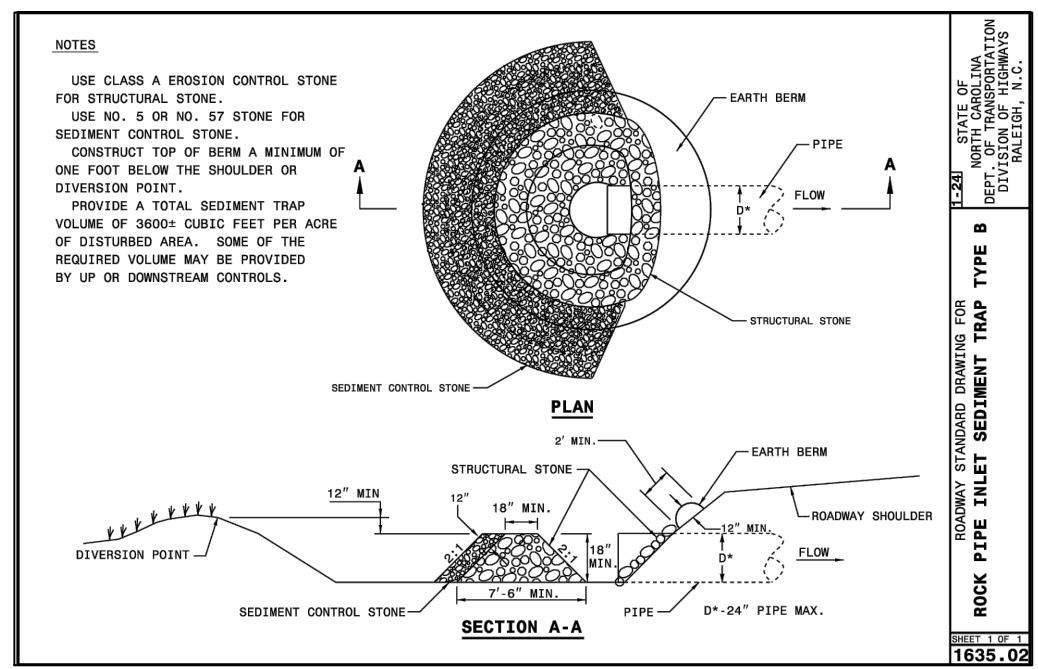
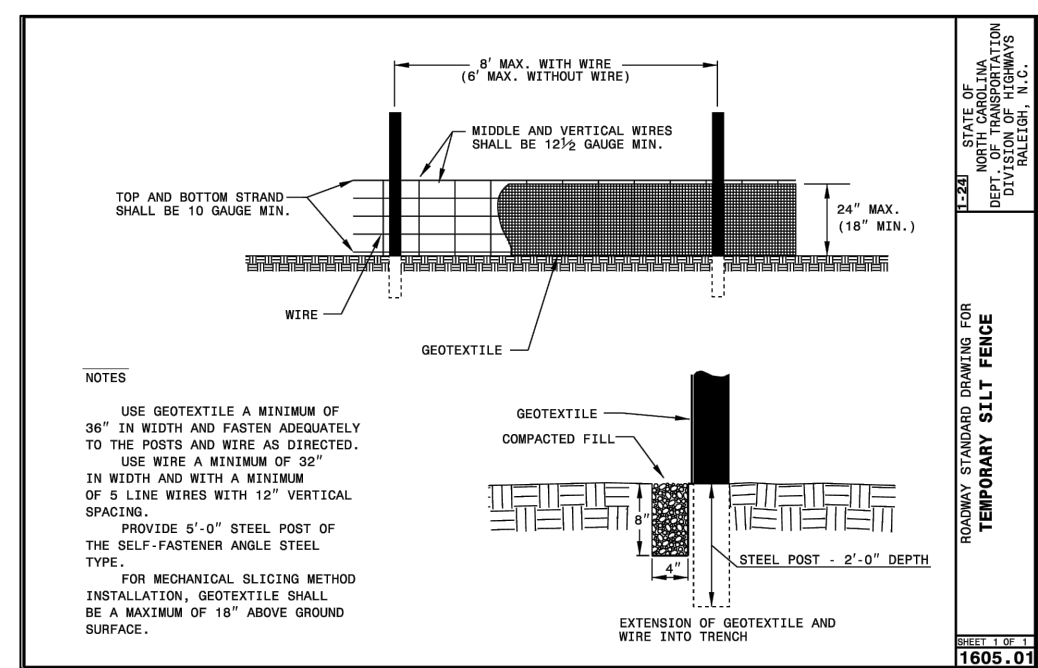
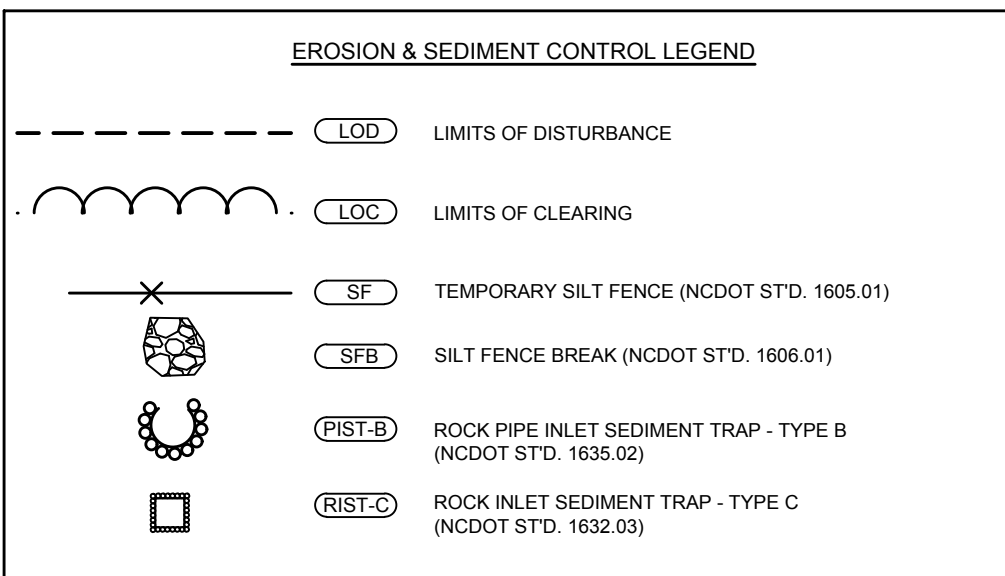
A SINGLE-PHASED EROSION CONTROL APPROACH IS PROVIDED BELOW TO DESCRIBE GENERAL MEASURES REQUIRED TO MAINTAIN THE SITE THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL APPLY PHASE I AS DESCRIBED HEREIN TO THE VARIOUS WORK AREAS ASSOCIATED WITH THIS PROJECT. DUE TO THE NATURE OF WORK AREAS, THE CONTRACTOR SHALL ENSURE EROSION CONTROL MEASURES ARE PROVIDED AS DESCRIBED THROUGH PROJECT COMPLETION AND ACCEPTANCE.

PHASE I:

1. PROVIDE MINIMAL CLEARING TO INSTALL SILT FENCE AS SHOWN ON THE PLANS. INSTALL CULVERT PROTECTION AS REQUIRED FOR EXISTING PIPES. TAKE SPECIAL CARE TO KEEP SOIL BUILD-UP FROM ENTERING THE EXISTING ROAD PAVEMENT.
2. THE CONTRACTOR WILL NOTIFY THE INSPECTOR OF THE PERMITTED LOCATION EXCESS SOIL MATERIAL IS HAULED TO OR BORROW MATERIAL IS BROUGHT IN FROM.
3. CLEAR AND GRUB AS INDICATED IN THE PLANS. MAINTAIN ACCESS ALONG EXISTING ROADS AND TO EXISTING DRIVEWAYS AT ALL TIMES.
4. TEMPORARY GRADING AND SEEDING IS REQUIRED FOR ALL AREAS WHEN DIRECTED:
 - 4.1. WHEN IT IS IMPOSSIBLE OR IMPRACTICAL TO BRING AN AREA TO THE FINAL LINE, GRADE AND FINISH SO THAT PERMANENT SEEDING AND MULCHING OPERATIONS CAN BE PERFORMED WITHOUT SUBSEQUENT SERIOUS DISTURBANCE BY ADDITIONAL GRADING
 - 4.2. WHEN EROSION OCCURS OR IS CONSIDERED TO BE POTENTIALLY SUBSTANTIAL ON AREAS OF GRADED ROADBED WHERE CONSTRUCTION OPERATIONS ARE TEMPORARILY SUSPENDED OR WHEN THE GRADING OF THE ROADBED HAS BEEN COMPLETED SUBSTANTIALLY IN ADVANCE OF THE PAVING CONSTRUCTION
 - 4.3. DURING SEASONS OF THE YEAR WHEN PERMANENT SEEDING AND MULCHING IS PROHIBITED BY THE CONTRACT
 - 4.4. WHEN AN IMMEDIATE COVER WOULD BE DESIRABLE TO MINIMIZE EROSION, SILTATION OR POLLUTION ON ANY AREA
 - 4.5. 7/14-DAY SOIL STABILIZATION REQUIREMENTS APPLY TO ANY SECTION OF THE PROJECT WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED AND SHALL SUPERSEDE ANY LESS STRINGENT STABILIZATION REQUIREMENTS ON THE PLANS. (G.S. 143-215-1)
6. CONTRACTOR SHALL REMOVE AND REPLACE ANY DAMAGED EROSION CONTROL MEASURES UNTIL FINAL APPROVAL OF CONSTRUCTION.
7. THE SITE SHALL BE PERMANENTLY STABILIZED AFTER ALL GRADING HAS BEEN COMPLETED BY SEEDING ALL DISTURBED AREAS.
8. UPON CONSTRUCTION COMPLETION, THE CONTRACTOR MUST CONTACT THE INSPECTOR FOR EROSION CONTROL INSPECTION OF SLOPE STABILITY. EROSION CONTROL MEASURES MAY NOT BE REMOVED WITHOUT AUTHORIZATION BY THE ASSIGNED INSPECTOR.
9. UPON APPROVAL CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL DEVICES.

NOTE:
 1. CONTRACTOR MUST KEEP THE EXISTING ROAD FREE FROM BUILDUP OF SOIL.

EROSION CONTROL NOTES & DETAILS



CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRABLE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
SORRELL GROVE CHURCH ROAD	PER TOWN OF MORRISVILLE & NCDOT ENG.

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

- ROAD NAME
SORRELL GROVE CHURCH ROAD
- HOLIDAY
- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
 - FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 A.M. DECEMBER 31st TO 7:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 7:00 P.M. THE FOLLOWING TUESDAY.
 - FOR EASTER, BETWEEN THE HOURS OF 7:00 A.M. THURSDAY AND 7:00 P.M. MONDAY.
 - FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO 7:00 P.M. TUESDAY.
 - FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 7:00 P.M. THE DAY AFTER INDEPENDENCE DAY.
 - IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 7:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 7:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
 - FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY AND 7:00 P.M. TUESDAY.
 - FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 7:00 A.M. TUESDAY TO 7:00 P.M. MONDAY.
 - FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 7:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- D) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- E) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- H) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.
- I) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ONE DIRECTION ON W. ROSEBORO ST.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- J) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:
- BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.
- BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.
- BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.
- K) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 350 IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

- L) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

M) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

N) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

O) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.

PAVEMENT MARKINGS AND MARKERS

P) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

Q) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

R) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.).

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS.

STD.C.	TITLE
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1165.01	TRUCK MOUNTED ATTENUATOR
1180.01	SKINNY - DRUMS

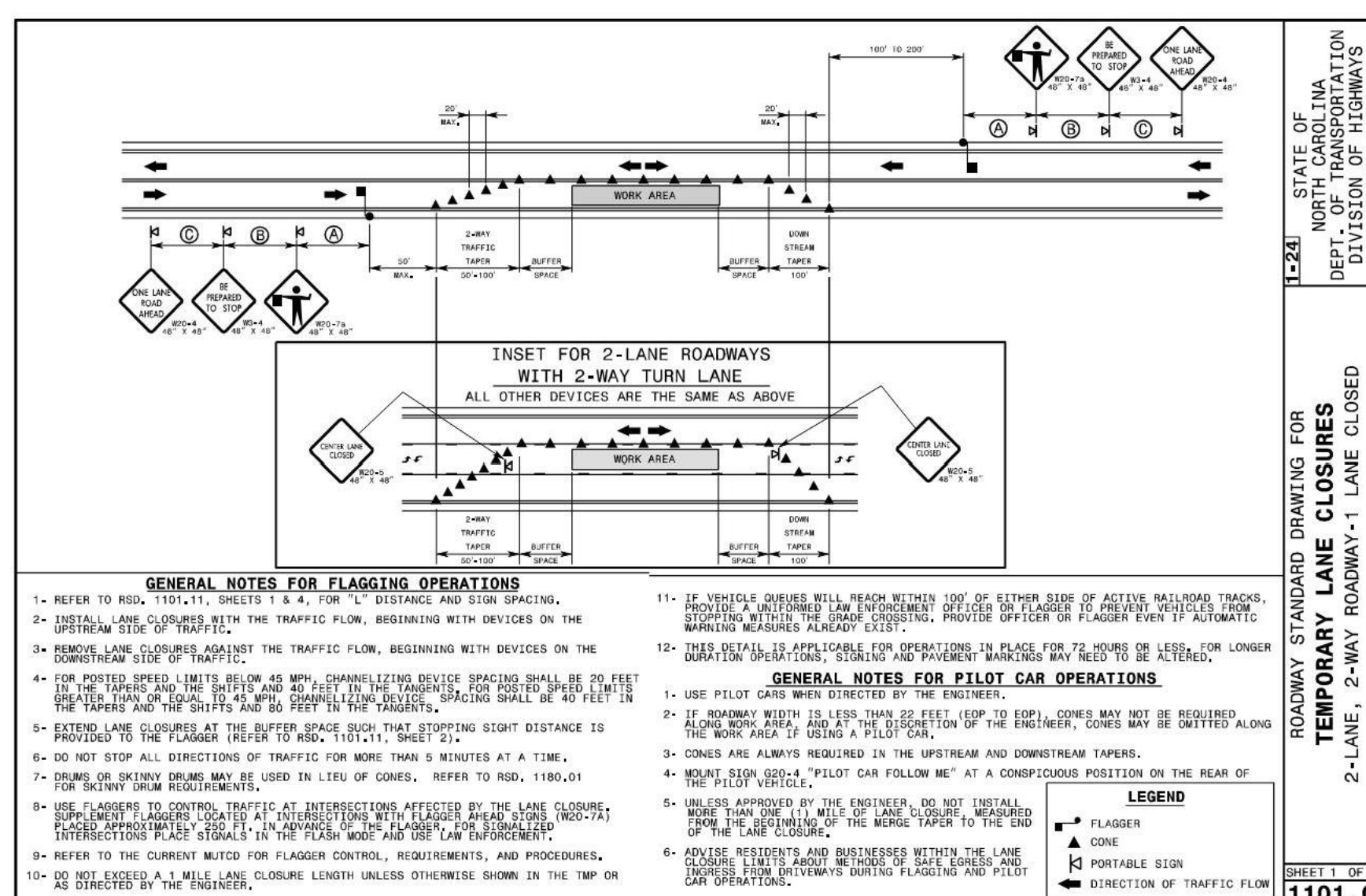
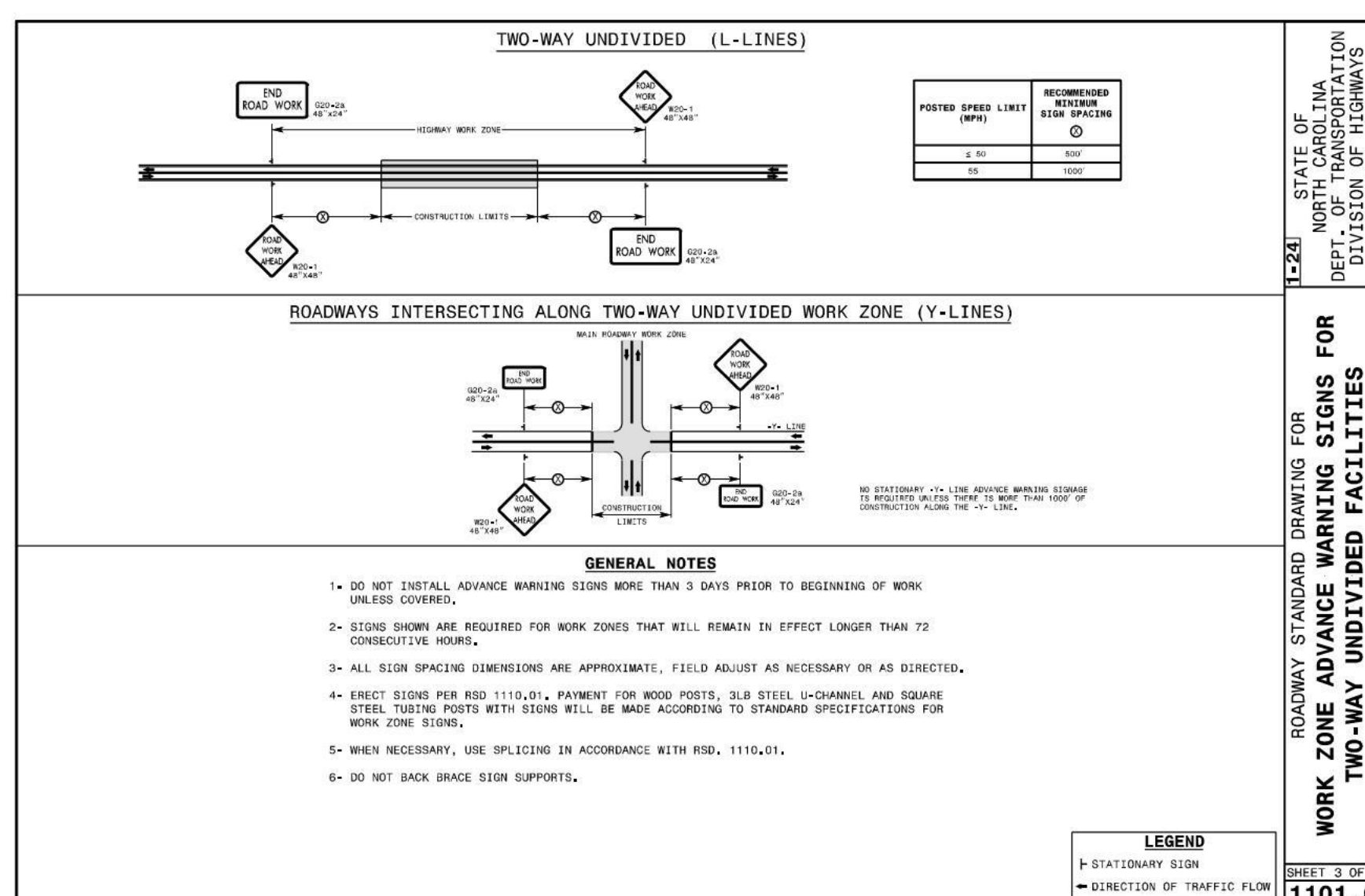
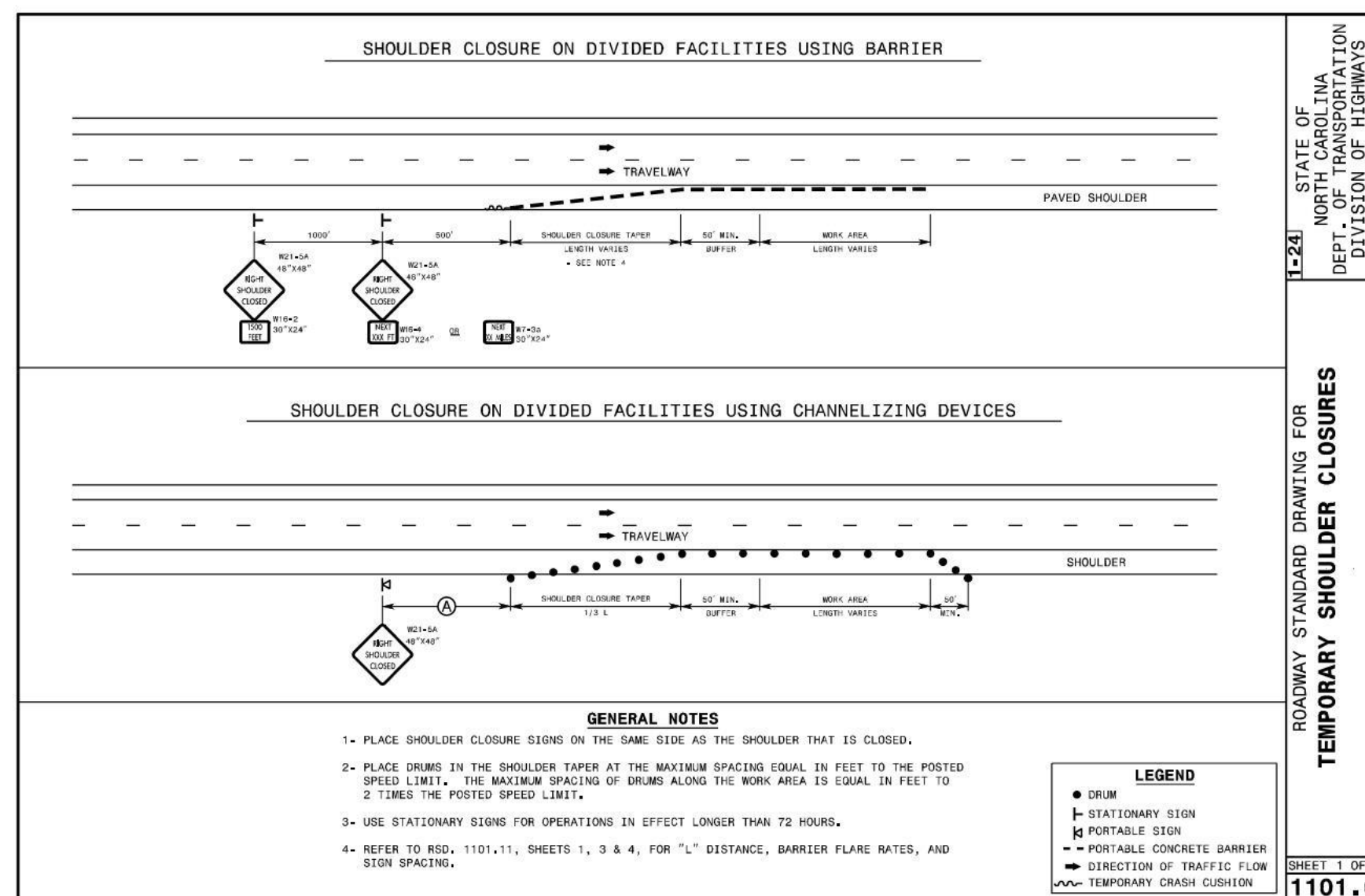
SEQUENCE OF CONSTRUCTION

THE PROJECT CONSISTS OF TWO SEPARATE AREAS, ONE AREA ALONG THE WEST SIDE OF SORRELL GROVE CHURCH ROAD. THE FOLLOWING SEQUENCE OF CONSTRUCTION IS A RECOMMENDATION PROVIDED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPROVAL FOR ANY CHANGES TO THIS TRANSPORTATION MANAGEMENT PLAN RESULTING FROM ADJUSTMENTS TO THE RECOMMENDED SEQUENCES. ALL PHASES OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLANS PROVIDED.

CONSTRUCTION FOR SORRELL GROVE CHURCH ROAD WILL FOLLOW THE SEQUENCE PROVIDED BELOW. CONSTRUCTION DURING EACH PHASE CONSISTS OF ALL WORK NECESSARY TO COMPLETE THE PROJECT.

TRAFFIC SHALL BE MAINTAINED ACCORDING TO THE N.C. DEPARTMENT OF TRANSPORTATION DETAILS FOUND ON THIS SHEET. THE CONTRACTOR SHALL MINIMIZE LANE CLOSURES TO THE GREATEST EXTENT PRACTICAL.

- PHASE 1**
INSTALL SIGNING FOR PROJECT LIMITS PER 1101.01. ERECT ALL ADVANCE WARNING SIGNS AND CHANNELIZATION DEVICES PER NCDOT DETAILS FOR APPROPRIATE MAINTENANCE OF TRAFFIC FOR CONSTRUCTION STAGING.
- PHASE 2**
COORDINATE THE REMOVAL AND RELOCATION OF ALL MOVABLE FIXTURES (BENCHES, LANDSCAPE POTS, CHAIRS, ETC.) WITH THE TOWN OFFICIALS AND ADJACENT PROPERTY OWNERS. COORDINATE THE REMOVAL OF OVERHEAD AWNINGS WITH TOWN OFFICIALS AND ADJACENT OWNERS. COMMENCE CLEARING AND INSTALLATION OF EROSION CONTROL MEASURES IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLANS. REMOVAL, ABANDONMENT AND ADJUSTMENTS OF PUBLIC UTILITIES SHALL BE COMPLETED PRIOR TO OR DURING THIS PHASE. PERFORM GRADING OPERATIONS FOR PROPOSED SIDEWALK.
- PHASE 3**
CONSTRUCT SIDEWALK, CURB RAMPS, STORM PIPES, PAVING OPERATIONS, STRIPING AND INSTALLATION OF ROADSIDE SIGNS.
- PHASE 4**
PERFORM FINAL GRADING OPERATIONS AND PLACE FINAL SEED MIX AND STABILIZE ALL WORK AREAS
- PHASE 5**
UPON COMPLETION OF ALL WORK, REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES (AS APPROVED BY THE ENVIRONMENTAL ENGINEERING INSPECTOR) AND ALL TEMPORARY TRAFFIC CONTROL DEVICES.



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TIMMONS GROUP

SORRELL GROVE CHURCH ROAD SIDEWALK

WAKE COUNTY STATE - NC

MAINTENANCE OF TRAFFIC

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ROADWAY STANDARD DRAWING FOR
TEMPORARY SHOULDER CLOSURES

ROADWAY STANDARD DRAWING FOR
WORK ZONE ADVANCE WARNING SIGNS FOR TWO-WAY UNDIVIDED FACILITIES

ROADWAY STANDARD DRAWING FOR
TEMPORARY LANE CLOSURES 2-LANE, 2-WAY ROADWAY - 1 LANE CLOSED

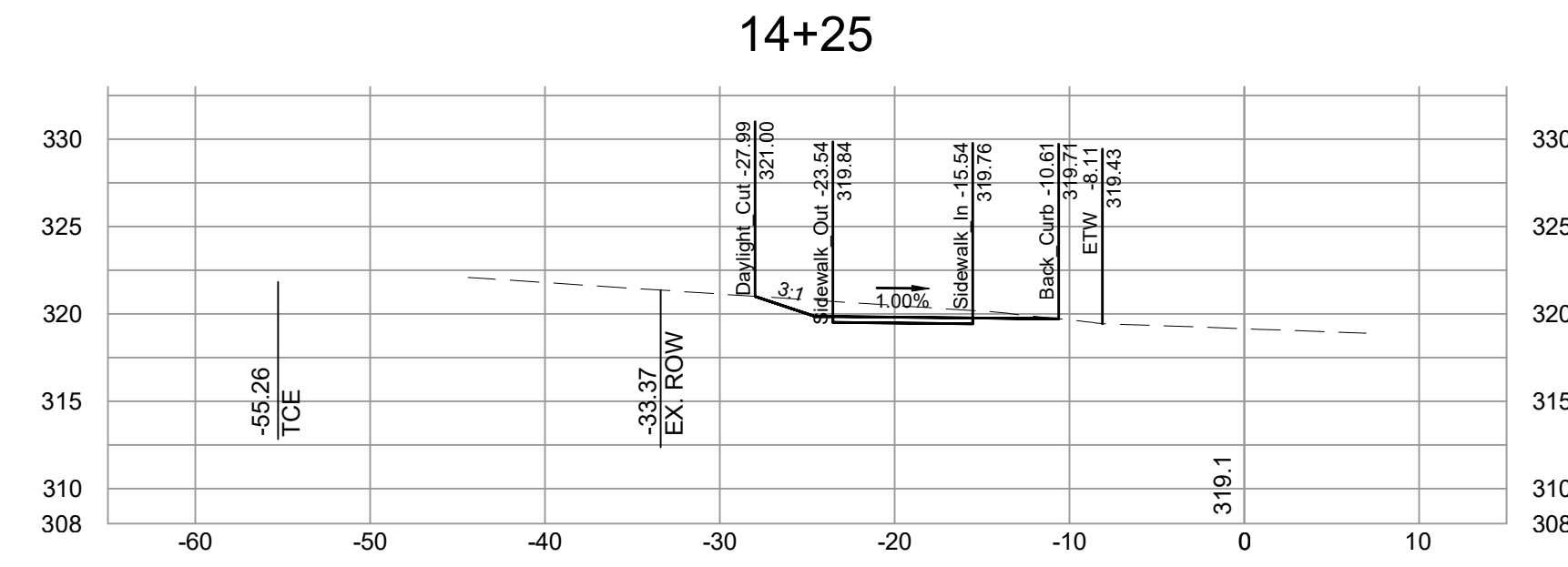
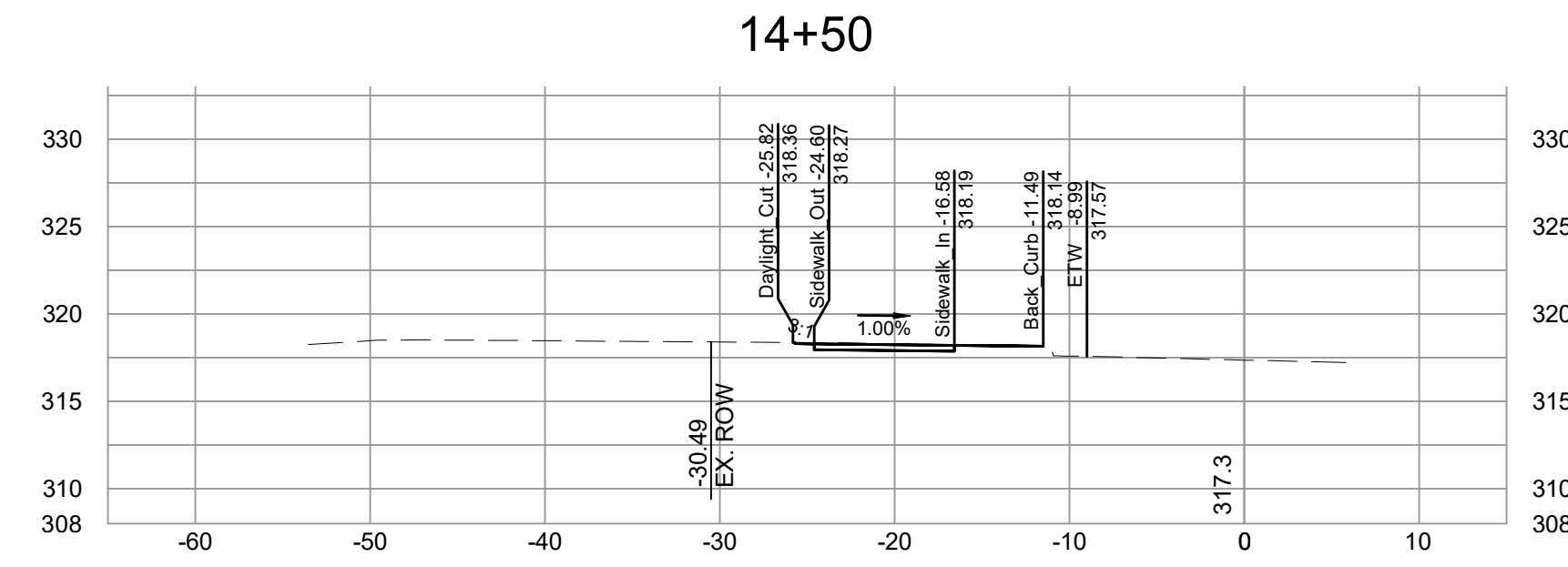
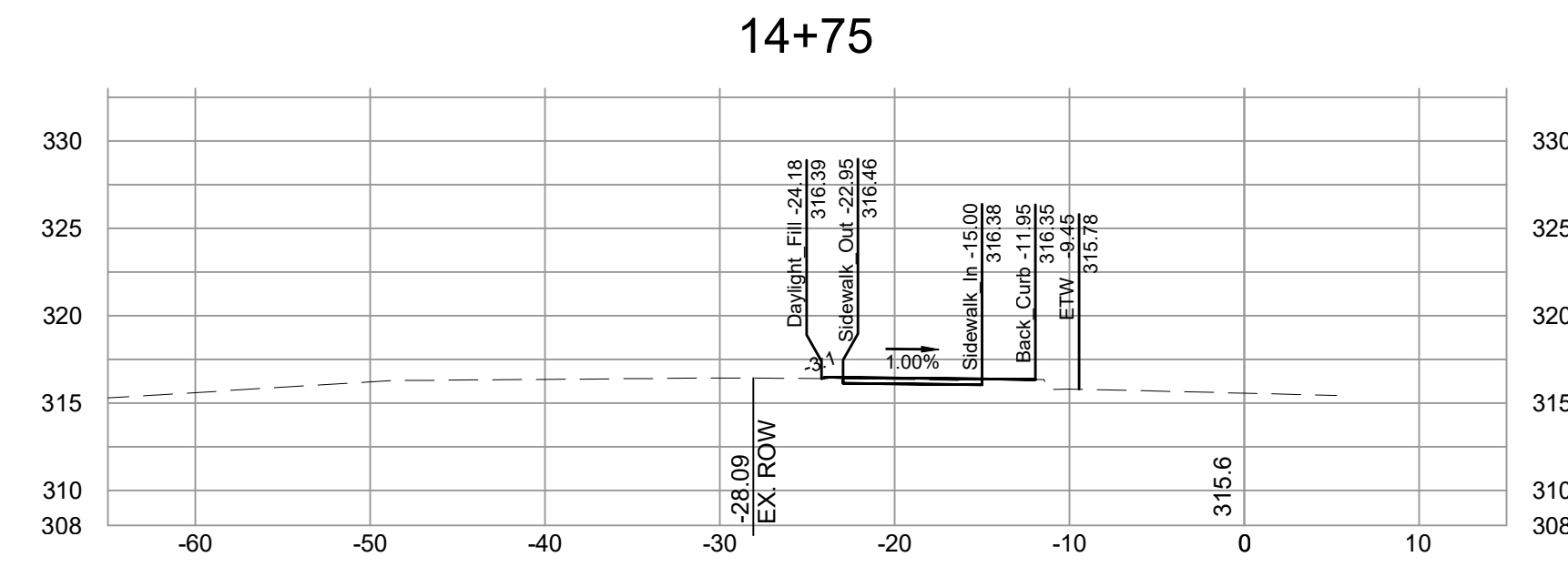
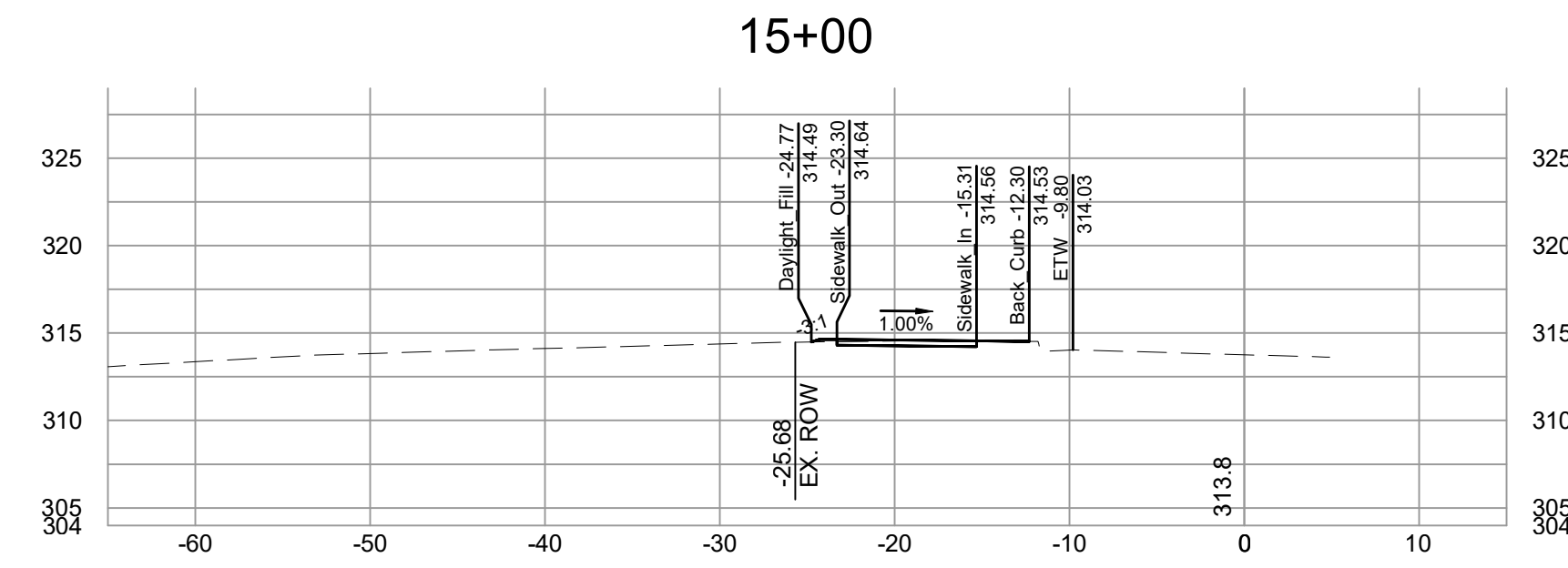
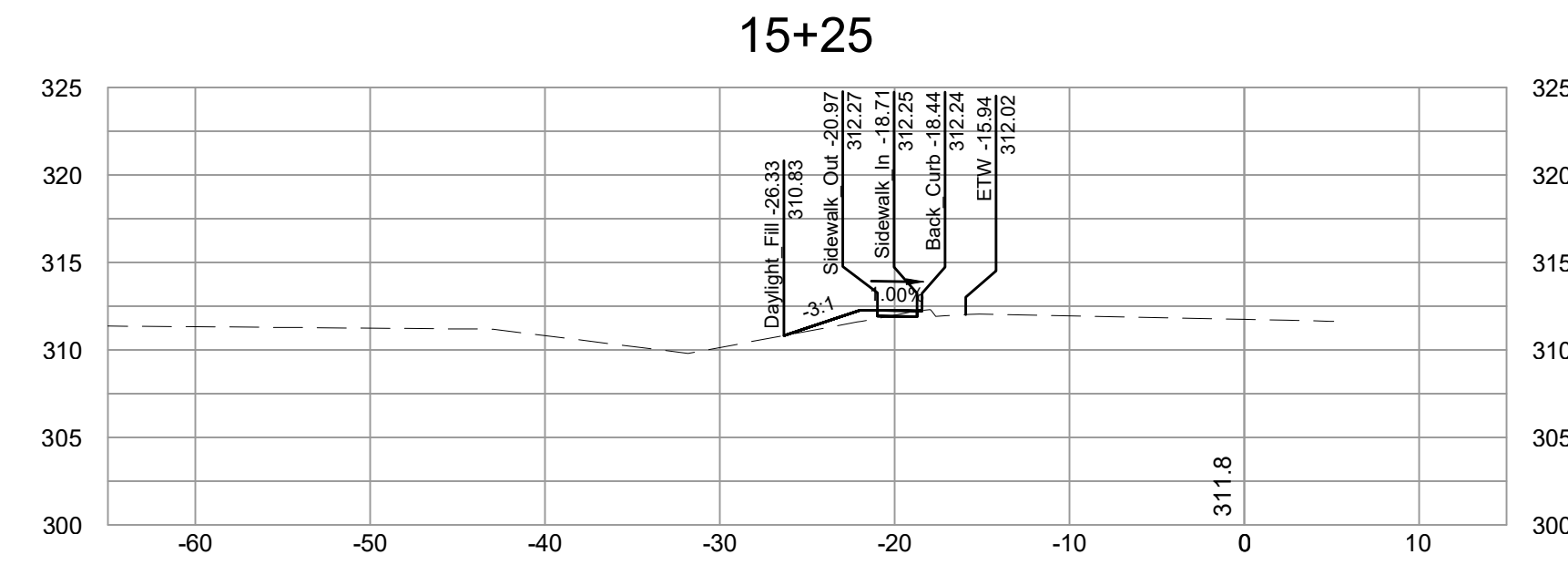
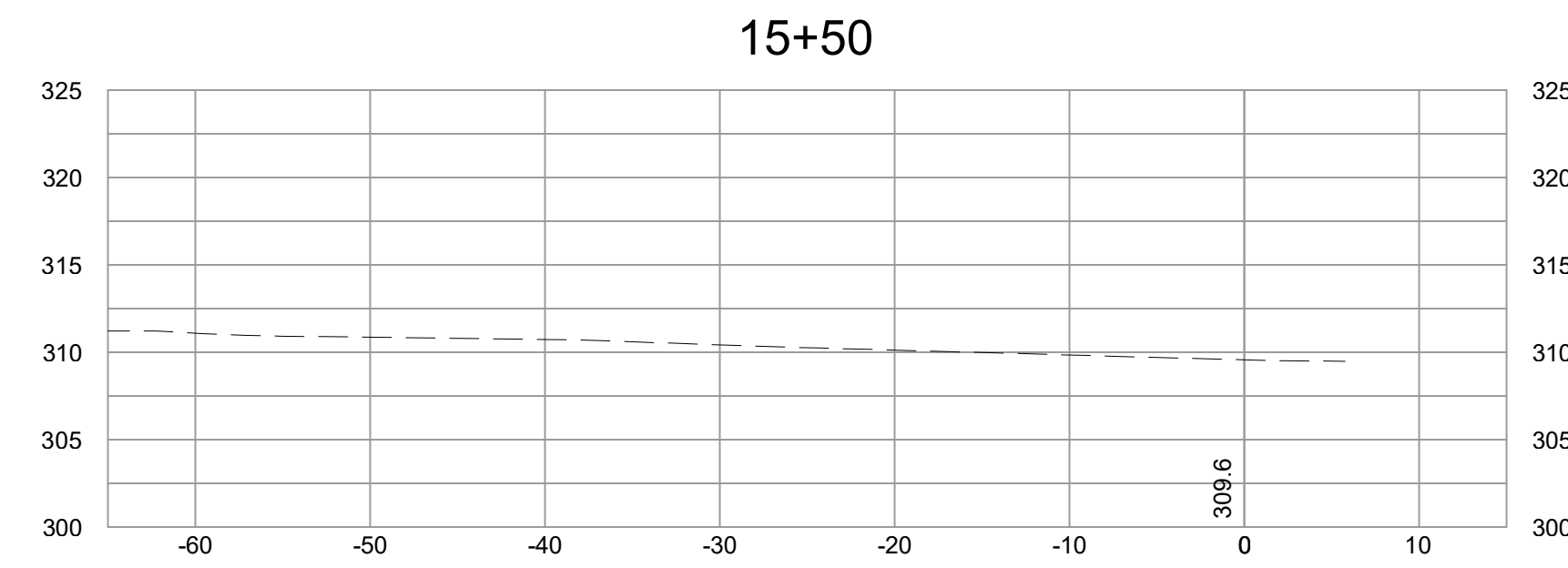
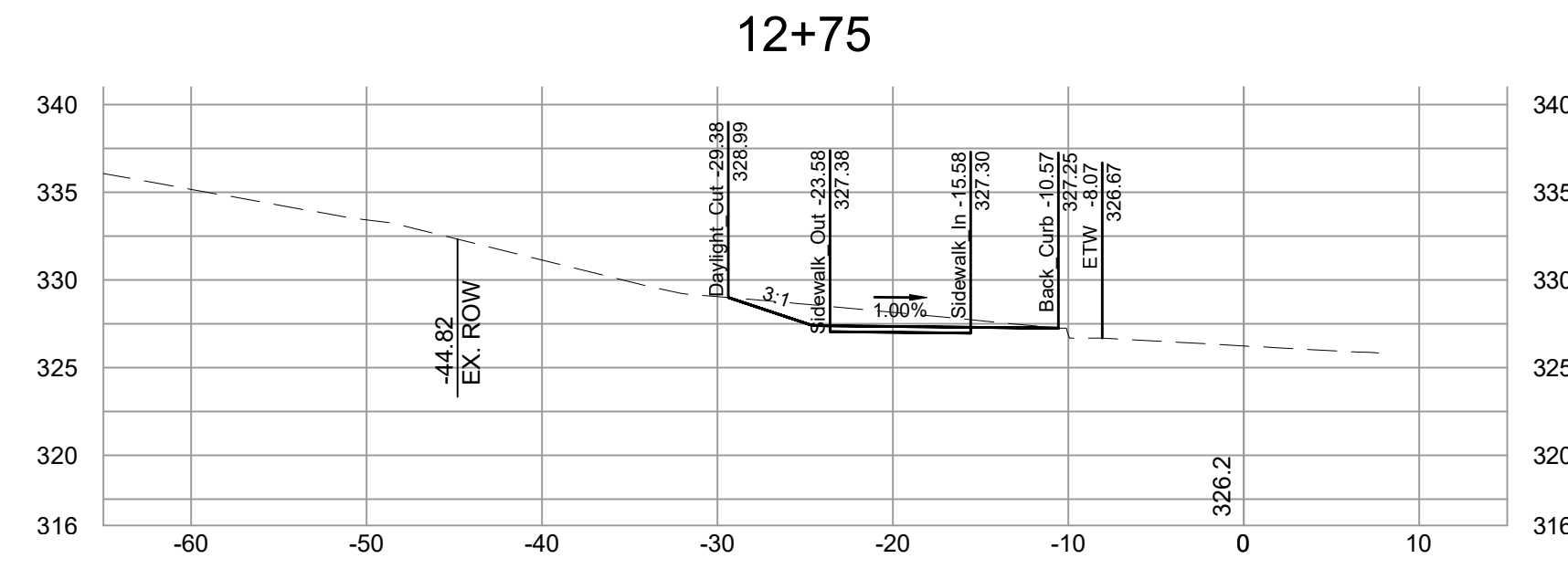
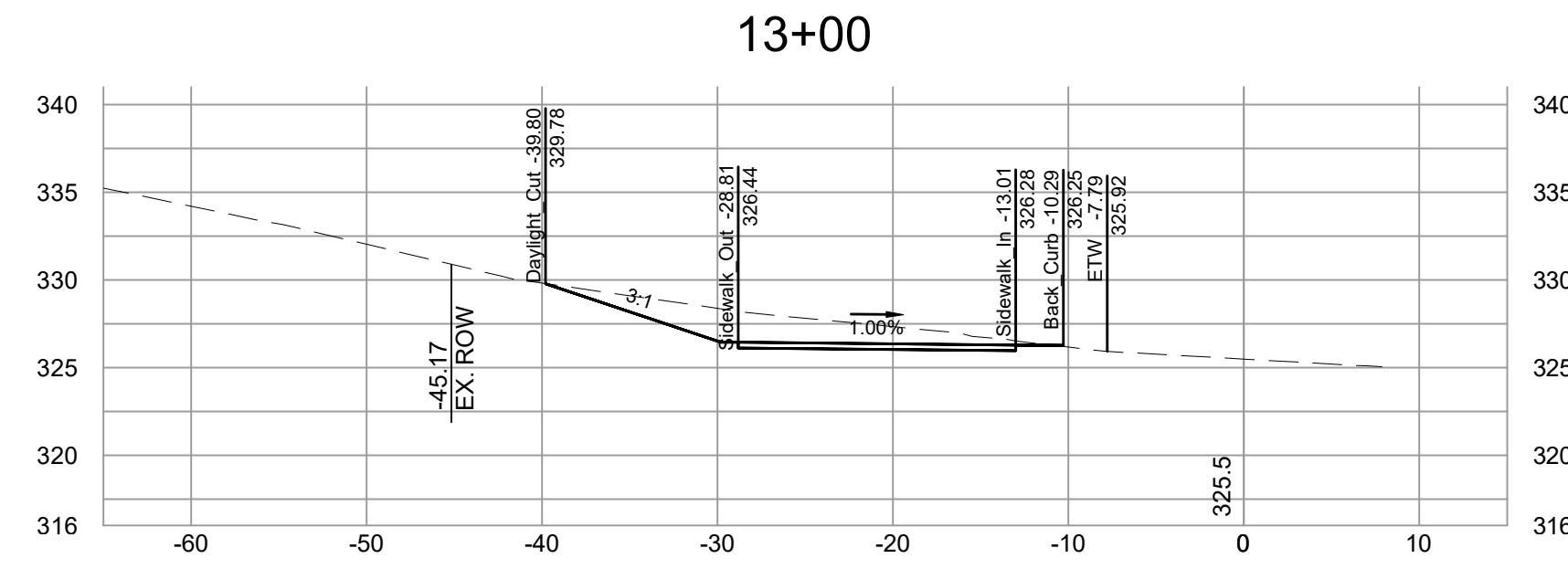
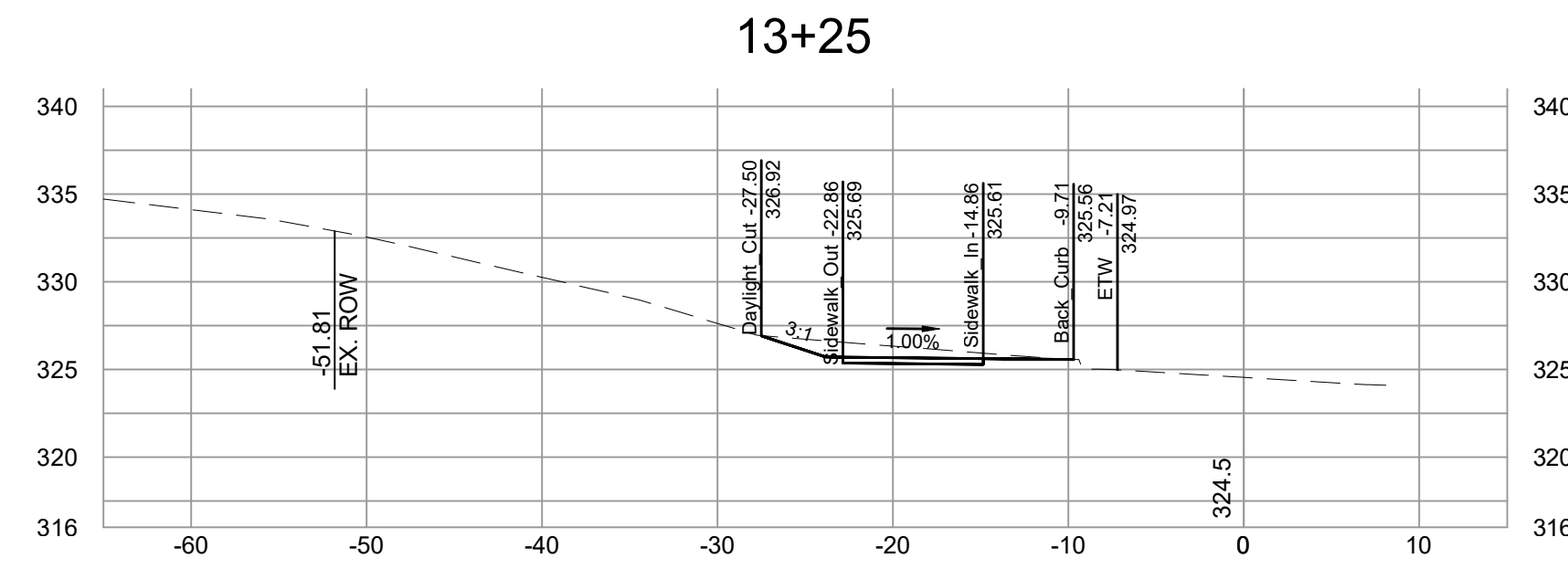
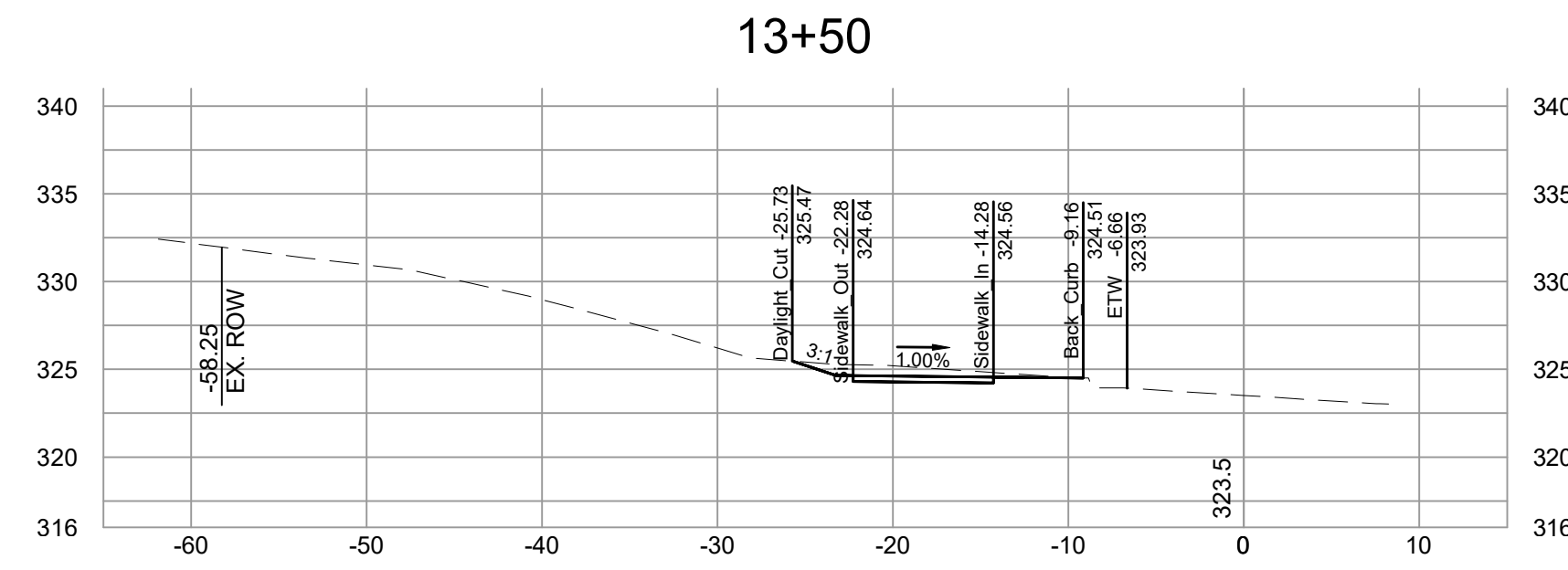
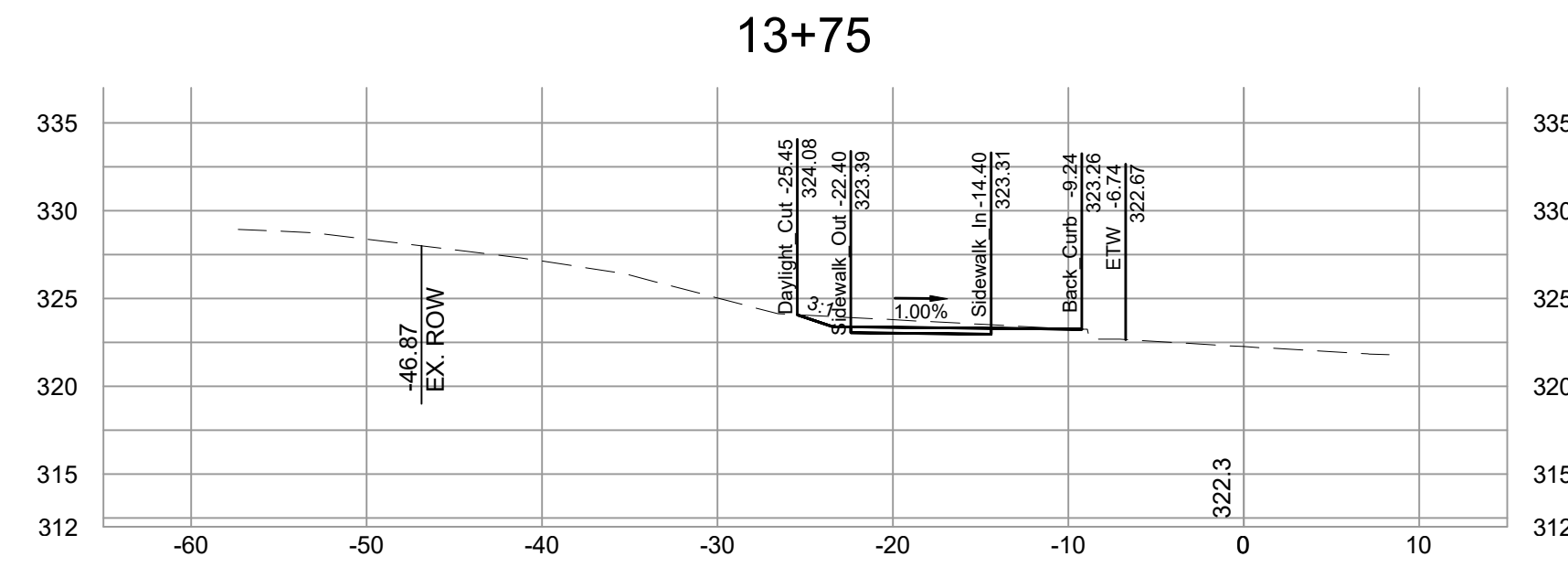
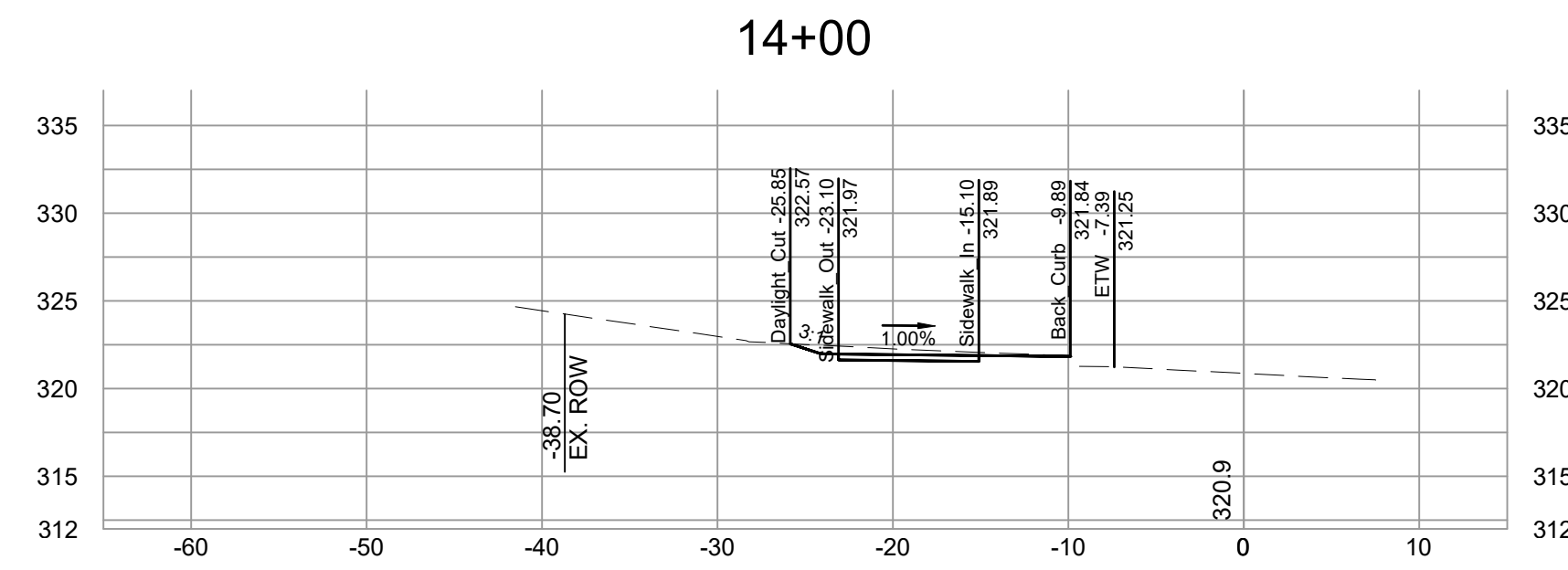
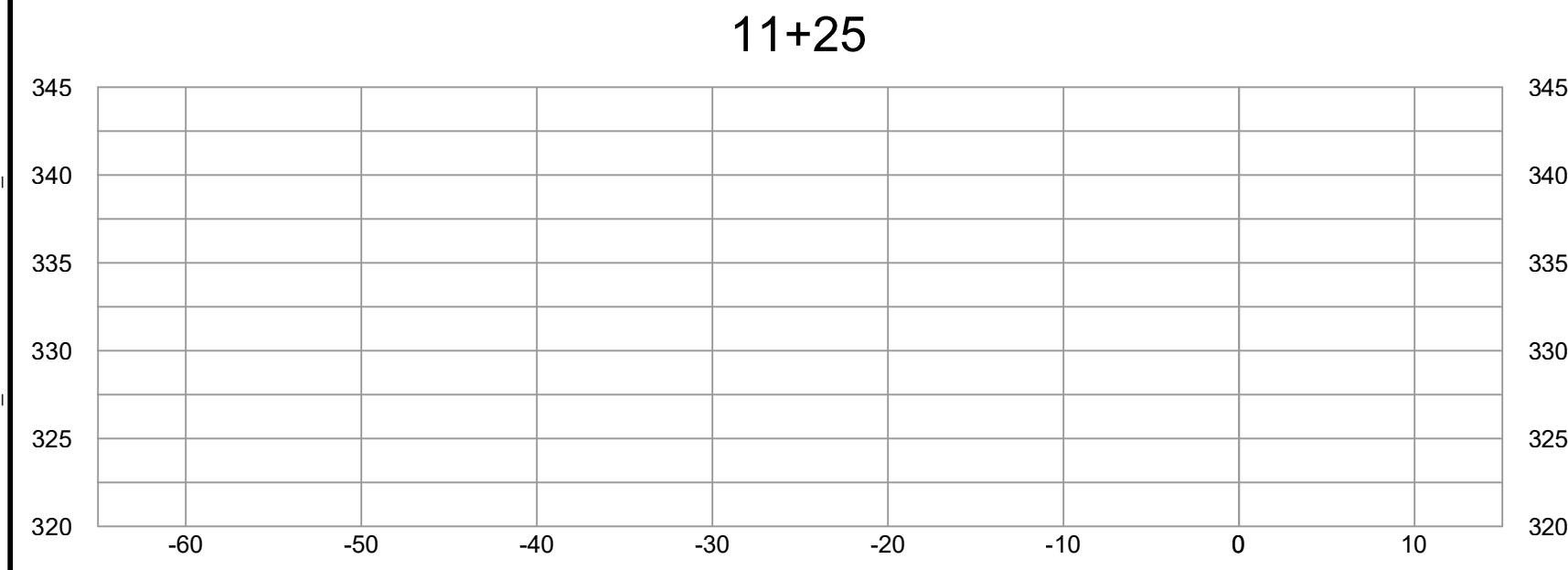
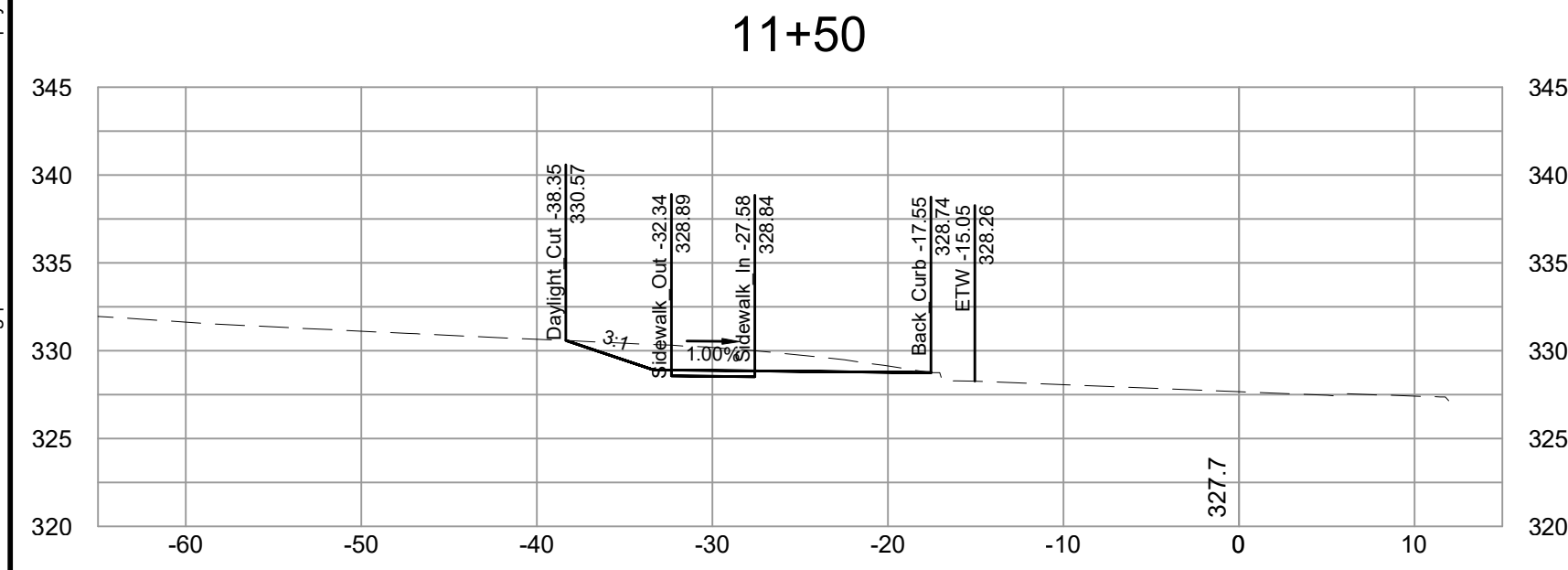
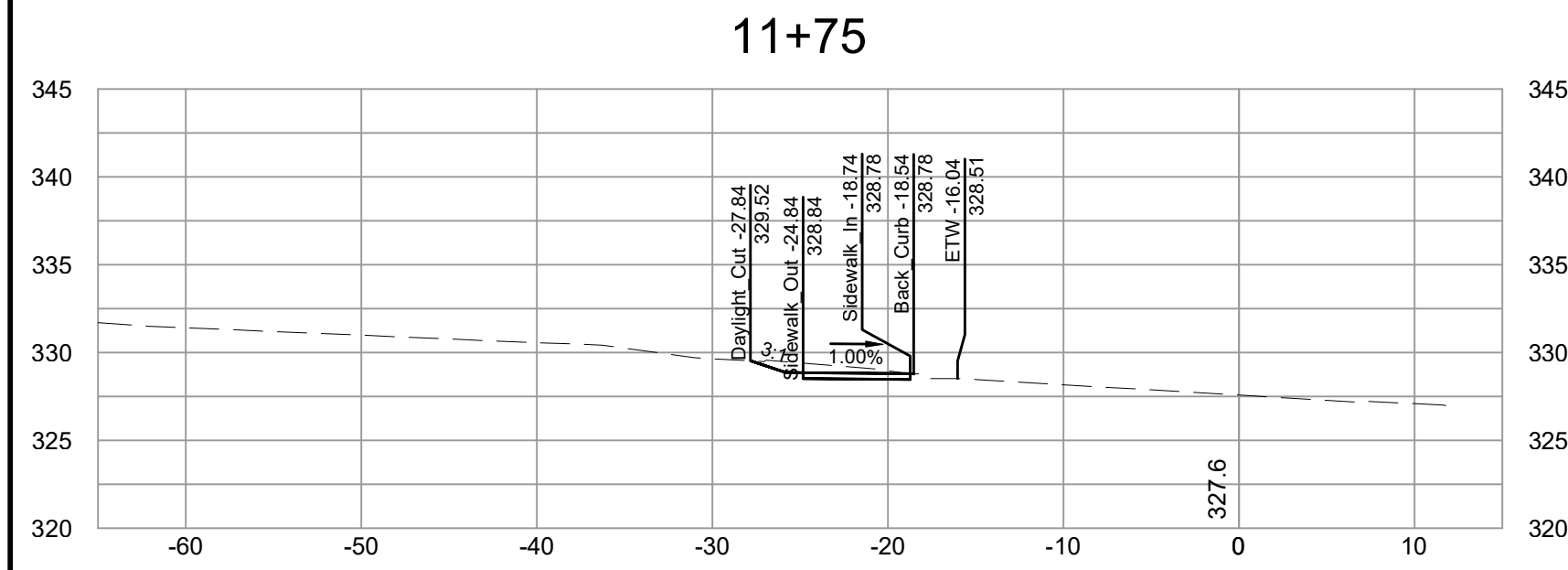
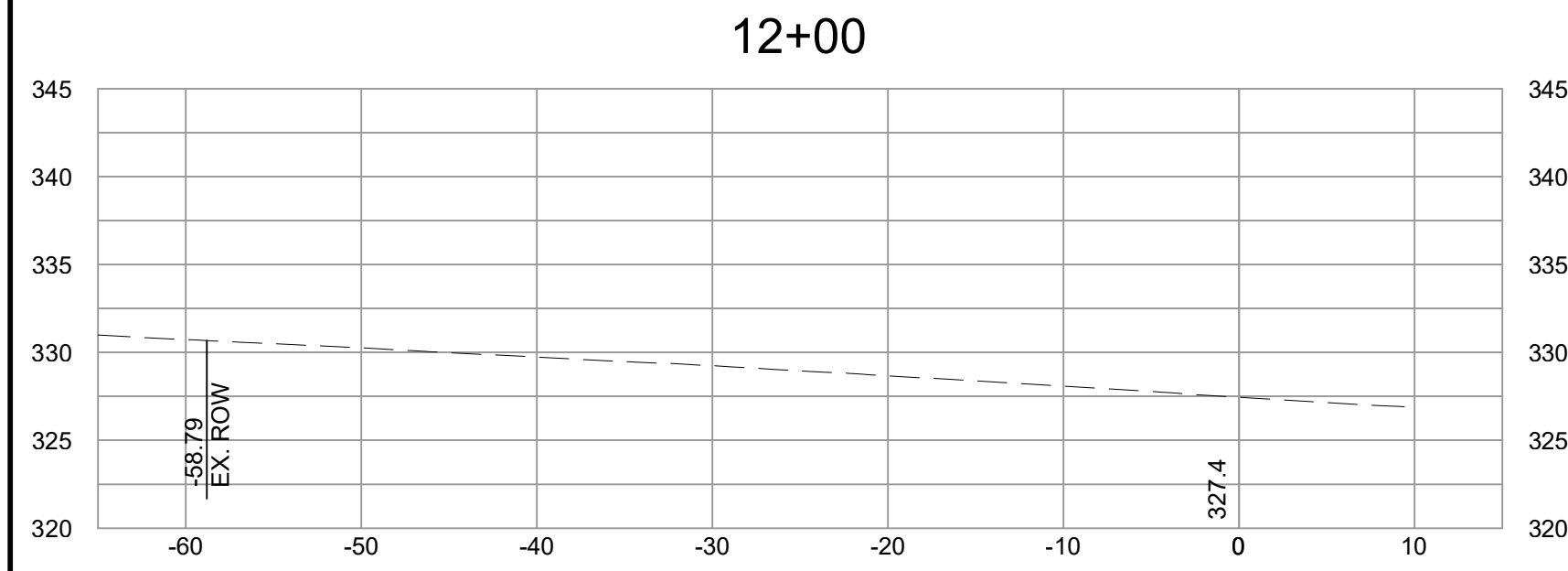
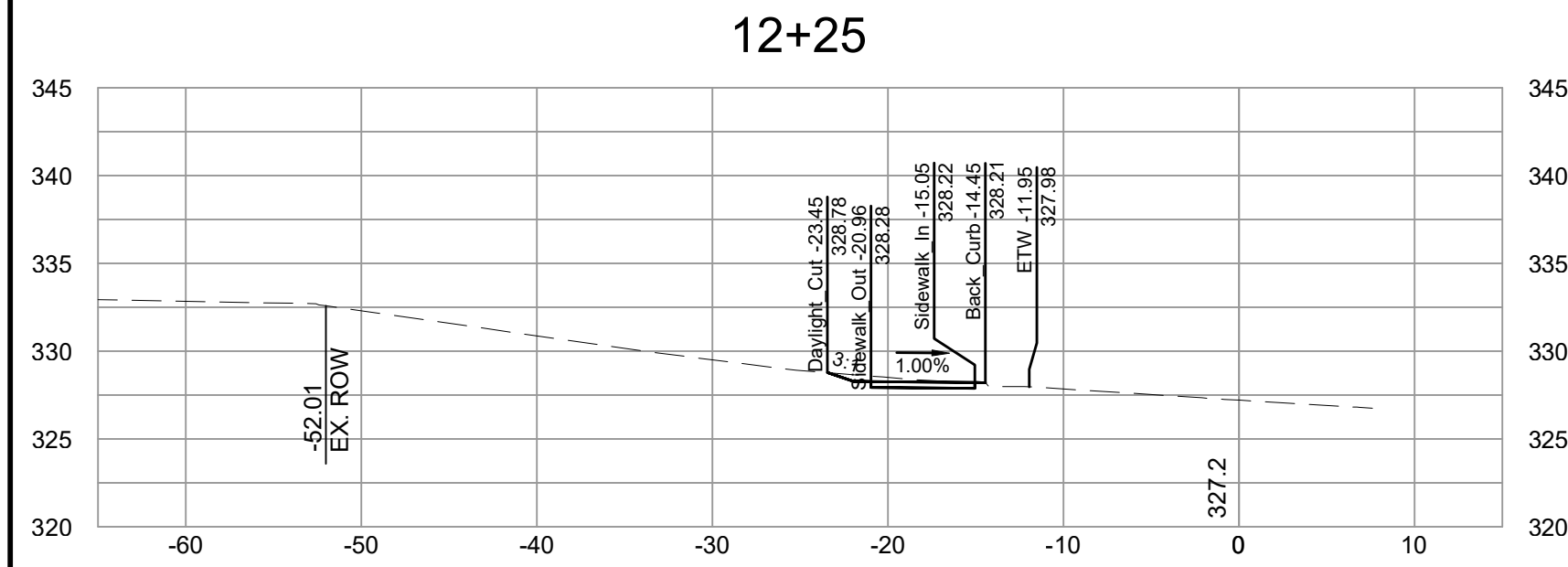
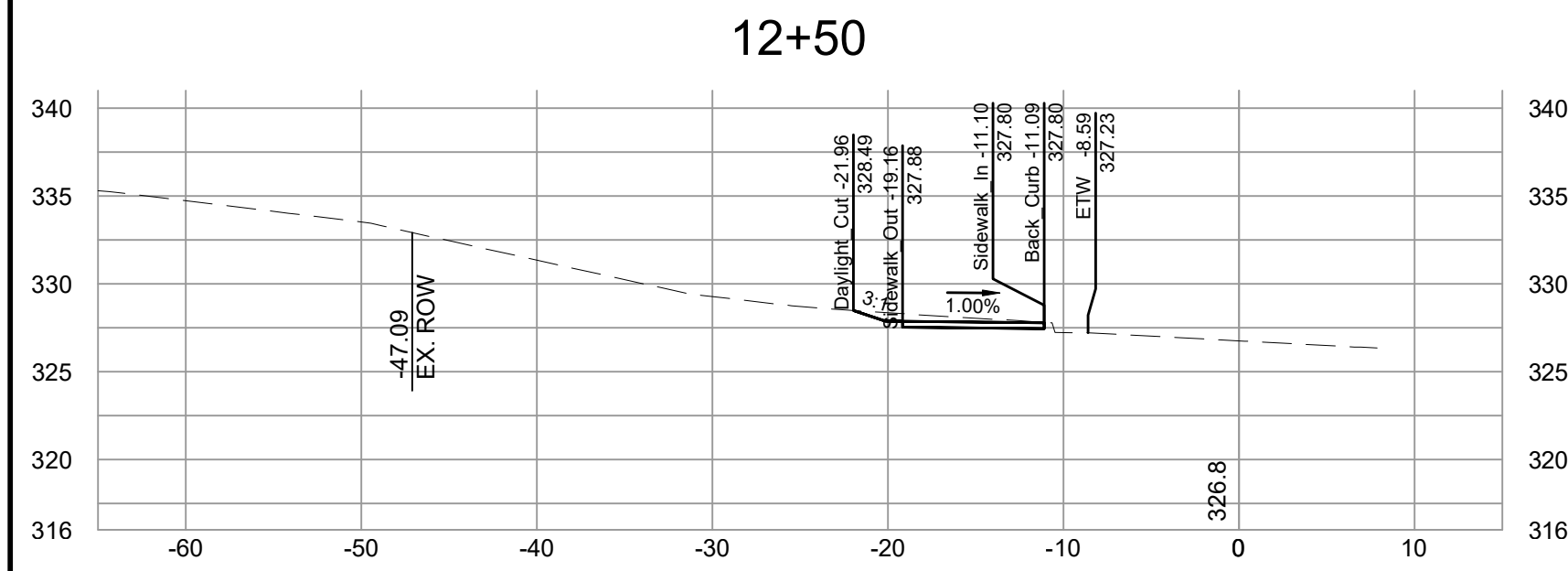
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 ZRM
 CHECKED BY
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 SCALE

TIMMONS GROUP
 SORRELL GROVE CHURCH ROAD SIDEWALK
 WAKE COUNTY, NC
 GENERAL NOTES, DETAILS, AND CONVENTIONAL SYMBOLS
 JOB NO.
 52084
 SHEET NO.
 R9.01

REVISION DESCRIPTION	DATE

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