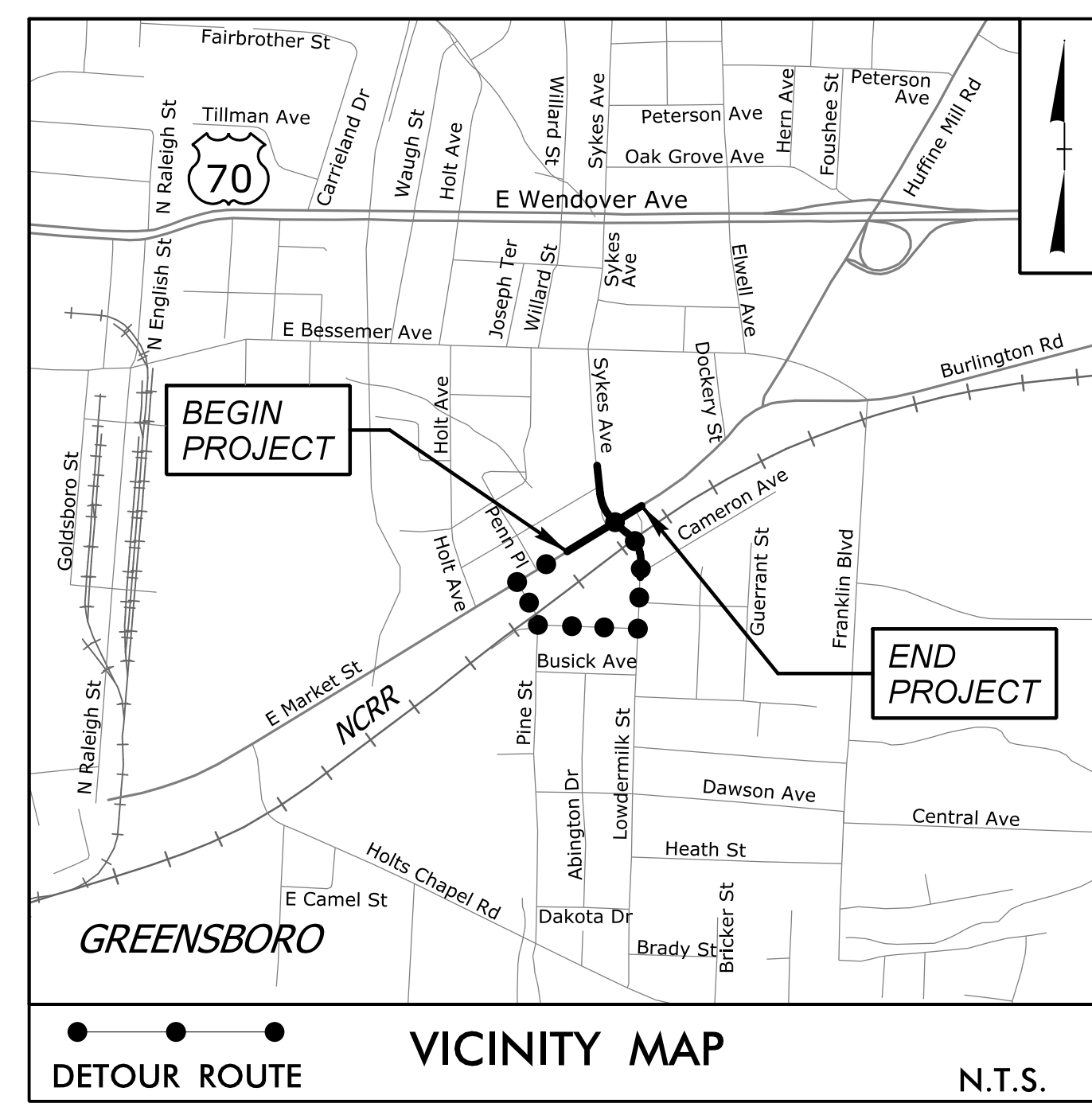


See Sheet 1-A For Index of Sheets
See Sheet 1-B For Standard Symbology Sheet



STATE OF NORTH CAROLINA RAIL DIVISION

GUILFORD COUNTY

**LOCATION: RAILWAY-HIGHWAY CROSSING CLOSURE AT PINE STREET AND NCRR
CROSSING 722 957L & 722 958T IN GREENSBORO**

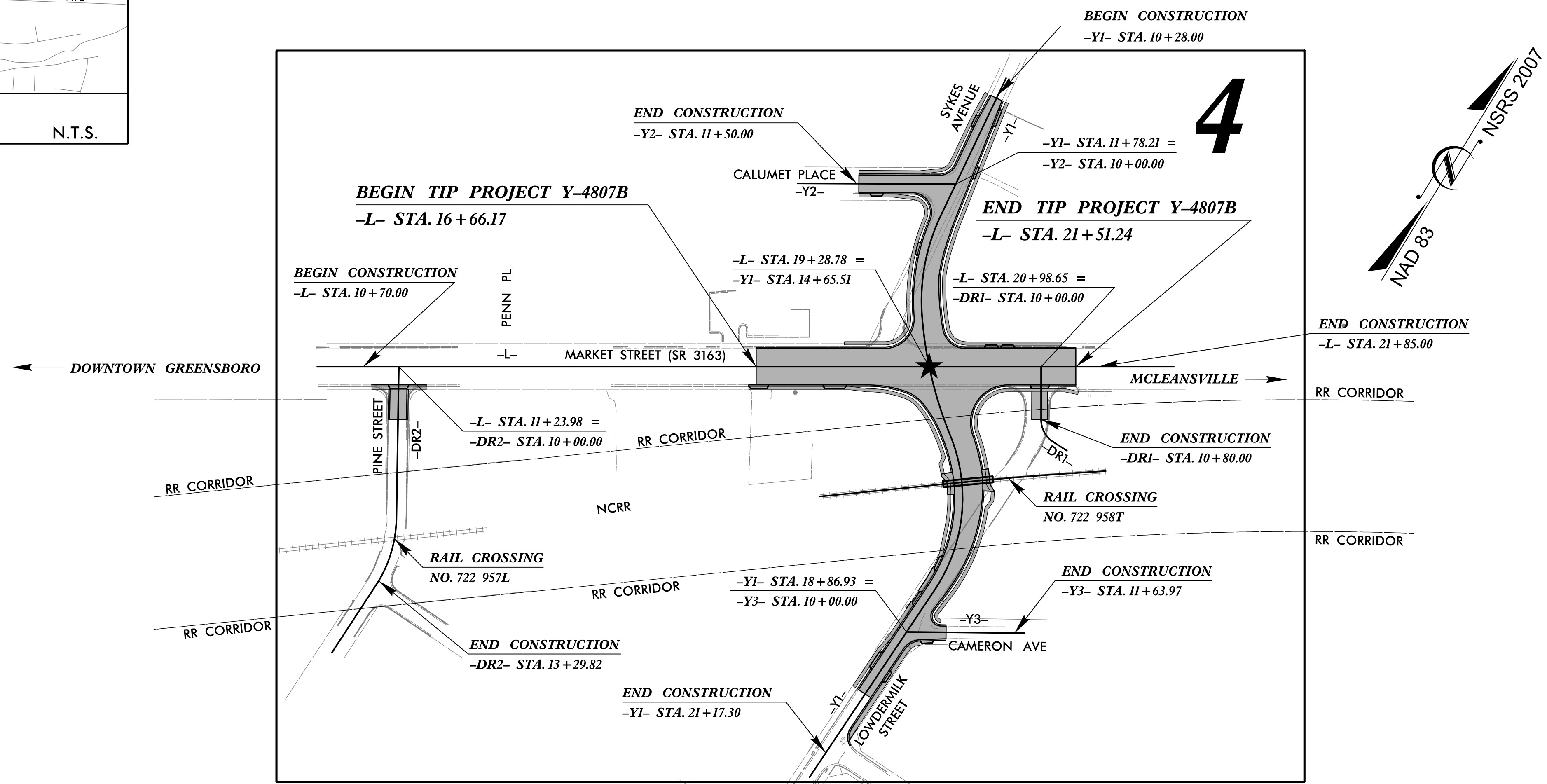
TYPE OF WORK: GRADING, DRAINAGE, PAVING AND SIGNALS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	Y-4807B	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
40325.1.59	STPRR-0708(41)	P.E.	
40325.2.59		ROW & UTILITIES	
40325.3.59	STPRR-0708(41)	CONSTRUCTION	

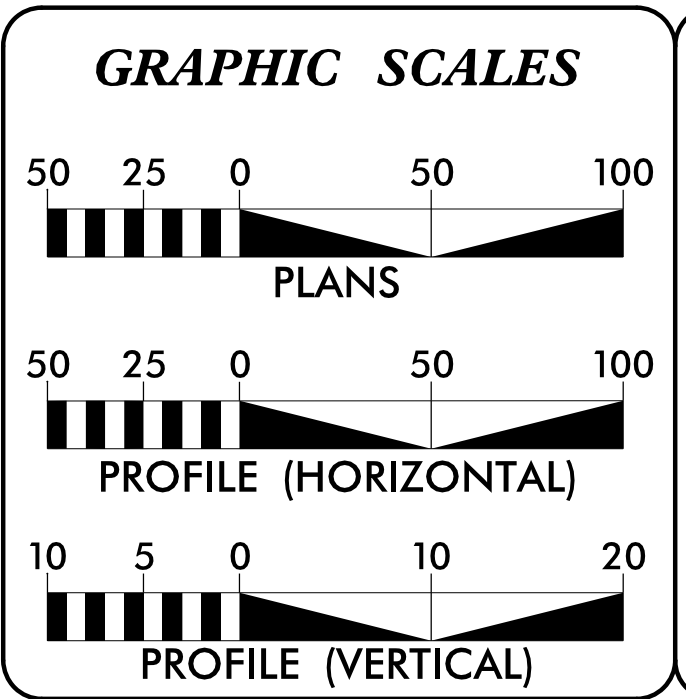


TIP PROJECT: Y-4807B

CONTRACT: C204908



**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



DESIGN DATA
(LOWDERMILK ST.)

ADT 2022 =	3,150
ADT 2042 =	3,850
K =	8%
D =	50%
T =	2% *
V =	30 MPH

FUNC. CLASSIFICATION:
URBAN LOCAL
* (TTST 1% + DUAL 1%)

PROJECT LENGTH

LENGTH OF ROADWAY TIP PROJECT Y-4807B = 0.092 MILES

TOTAL LENGTH OF TIP PROJECT Y-4807B = 0.092 MILES

NCDOT CONTACT: **BRIAN GACKSTETTER, EI.**
Coordination Manager - Engineering and Safety Branch

PLANS PREPARED FOR THE NCDOT BY:

stv STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

2024 STANDARD SPECIFICATIONS	
RIGHT OF WAY DATE: NOVEMBER 28, 2018	NIKKI T. HONEYCUTT, P.E. PROJECT ENGINEER
LETTING DATE: MAY 28, 2024	MAAMOON K. ABDELAZIZ PROJECT DESIGNER

HYDRAULICS ENGINEER

3/8/2024

SIGNATURE:

ROADWAY DESIGN ENGINEER

3/6/2024

SIGNATURE:



PROJECT REFERENCE NO. Y-4807B	SHEET NO. 1A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

GENERAL NOTES

GENERAL NOTES: 2024 SPECIFICATIONS
 EFFECTIVE: 01-01-2024

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.

CLEARING:

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

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.

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.

SUBSURFACE DRAINS:

SUBSURFACE DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 815.02 AT LOCATIONS DIRECTED BY THE ENGINEER.

DRIVEWAYS:

DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 848.03 AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

STREET TURNOUT:

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

GUARDRAIL:

THE GUARDRAIL LOCATIONS SHOWN ON THE PLANS MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT WITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL.

TEMPORARY SHORING:

SHORING REQUIRED FOR THE MAINTENANCE OF TRAFFIC NOT SHOWN ON THE PLANS WILL BE PAID FOR AT THE CONTRACT PRICE FOR "TEMPORARY SHORING".

UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE:
 WATER - CITY OF GREENSBORO
 SANITARY SEWER - CITY OF GREENSBORO
 POWER - DUKE ENERGY
 TELECOM - AT&T
 CATV - CHARTER
 GAS - PIEDMONT NATURAL GAS

RIGHT-OF-WAY MARKERS:

ALL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY OTHERS.

CURB RAMPS:

CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATION. CONSTRUCT ALL CURB RAMPS IN ACCORDANCE WITH STD. 848.06.

INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
2A-1 THRU 2A-3	TYPICAL SECTIONS AND DETAILS
2B-1	INTERSECTION DETAILS
2B-2 THRU 2B-3	CROSSING CLOSURE DETAILS
2B-4	TEMPORARY SHORING DETAIL
2C-1	CURB RAMP DETAIL
3B-1	EARTHWORK SUMMARY, PAVEMENT REMOVAL SUMMARY, AND GUARDRAIL SUMMARY
3D-1 THRU 3D-2	DRAINAGE SUMMARIES
3G-1	GEOTECHNICAL SUMMARIES
3P-1	PARCEL INDEX SHEET
4	PLAN SHEET
5 THRU 6	PROFILE SHEETS
RW02C-1 THRU RW02C-3	RIGHT-OF-WAY SHEETS
TMP-1 THRU TMP-9	TRAFFIC MANAGEMENT PLANS
PMP-1 THRU PMP-3	PAVEMENT MARKING & SIGNING PLANS
EC-1 THRU EC-5	EROSION CONTROL PLANS
SIG.1.0 THRU SIG.2.5	SIGNAL PLANS
SIG.M1A THRU SIG.M9	STANDARD DRAWINGS FOR ALL METAL POLES
SCP-01 THRU SCP-04	SIGNAL COMMUNICATION PLANS
UC-1 THRU UC-5	UTILITY CONSTRUCTION PLANS
UO-1 THRU UO-2	UTILITY BY OTHERS PLANS
X-1	CROSS SECTION INDEX
X-1A	CROSS SECTION SUMMARY
X-2 THRU X-13	CROSS SECTIONS
X-14 THRU X-17	DRIVEWAY PROFILES

STANDARD DRAWINGS

2024 ROADWAY ENGLISH STANDARD DRAWINGS

EFF. January, 2024

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
DIVISION 2 - EARTHWORK	
200.02	Method of Clearing - Method II
225.02	Guide for Grading Subgrade - Secondary and Local
225.04	Method of Obtaining Superelevation - Two Lane Pavement
DIVISION 3 - PIPE CULVERTS	
300.01	Method of Pipe Installation
DIVISION 6 - ASPHALT BASES AND PAVEMENTS	
654.01	Pavement Repairs
DIVISION 8 - INCIDENTALS	
815.02	Subsurface Drain
840.00	Concrete Base Pad Drainage Structures
840.01	Brick Catch Basin - 12" thru 54" Pipe
840.02	Concrete Catch Basin - 12" thru 54" Pipe
840.03	Frames, Grates and Hood - for Use on Standard Catch Basin
840.14	Concrete Drop Inlet - 12" thru 30" Pipe
840.15	Brick Drop Inlet - 12" thru 30" Pipe
840.16	Drop Inlet Frame and Grates - for use with Std. Dwg 840.14 and 840.15
840.31	Concrete Junction Box - 12" thru 66" Pipe
840.32	Brick Junction Box - 12" thru 66" Pipe
840.34	Traffic Bearing Junction Box - for Use with Pipes 42" and Under
840.45	Precast Drainage Structure
840.51	Brick Manhole - 12" thru 36" Pipe
840.52	Precast Manhole - 4', 5' and 6' Diameter 12" thru 48" Pipe
840.53	Precast Manhole with Masonry Base - 12" thru 42" Pipe
840.54	Manhole Frame and Cover
840.66	Drainage Structure Steps
840.71	Concrete and Brick Pipe Plug
846.01	Concrete Curb, Gutter and Curb & Gutter
848.01	Concrete Sidewalk
848.03	Driveway Turnout - Drop Curb Type
848.04	Street Turnout
848.06	Curb Ramp - Proposed Curb & Gutter
852.01	Concrete Islands
852.06	Method For Placement of Drop Inlets in Concrete Islands
862.01	Guardrail Placement
862.02	Guardrail Installation

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○ EIP
Computed Property Corner	-----x
Property Monument	□ ECM
Parcel/Sequence Number	⑩②③
Existing Fence Line	-x-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	-WLB-
Proposed Wetland Boundary	-WLB-
Existing Endangered Animal Boundary	-EAB-
Existing Endangered Plant Boundary	-EPB-
Existing Historic Property Boundary	-HPB-
Known Contamination Area: Soil	☠-S-☠
Potential Contamination Area: Soil	☠-S-☠
Known Contamination Area: Water	☠-W-☠
Potential Contamination Area: Water	☠-W-☠
Contaminated Site: Known or Potential	☠?

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	○ S
Well	○ W
Small Mine	✕
Foundation	□
Area Outline	□
Cemetery	□
Building	□
School	□
Church	□
Dam	□

HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	-----
Jurisdictional Stream	-----JS
Buffer Zone 1	-----BZ 1
Buffer Zone 2	-----BZ 2
Flow Arrow	←
Disappearing Stream	----->
Spring	○
Wetland	-----
Proposed Lateral, Tail, Head Ditch	-----
False Sump	-----

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	○ NORTH CAROLINA RAILROAD COMPANY MILEPOST 35
Switch	□ SWITCH
RR Abandoned	-----
RR Dismantled	-----

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

RIGHT OF WAY & PROJECT CONTROL:

Secondary Horiz and Vert Control Point	◆
Primary Horiz Control Point	○
Primary Horiz and Vert Control Point	◆
Exist Permanent Easment Pin and Cap	◇
New Permanent Easement Pin and Cap	◆
Vertical Benchmark	⊠
Existing Right of Way Marker	△
Existing Right of Way Line	-----
New Right of Way Line	-----
New Right of Way Line with Pin and Cap	-----
New Right of Way Line with Concrete or Granite R/W Marker	-----
New Control of Access Line with Concrete CA Marker	-----
Existing Control of Access	-----
New Control of Access	-----
Existing Easement Line	-----
New Temporary Construction Easement	-----
New Temporary Drainage Easement	-----
New Permanent Drainage Easement	-----
New Permanent Drainage / Utility Easement	-----
New Permanent Utility Easement	-----
New Temporary Utility Easement	-----
New Aerial Utility Easement	-----

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	-----C
Proposed Slope Stakes Fill	-----F
Proposed Curb Ramp	-----
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	⊕
Pavement Removal	-----

VEGETATION:

Single Tree	☼
Single Shrub	☼

Hedge	-----
Woods Line	-----
Orchard	-----
Vineyard	-----

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	-----
Bridge Wing Wall, Head Wall and End Wall	-----
MINOR:	
Head and End Wall	-----
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	-----
Paved Ditch Gutter	-----
Storm Sewer Manhole	-----
Storm Sewer	-----

UTILITIES:

POWER:	
Existing Power Pole	●
Proposed Power Pole	○
Existing Joint Use Pole	●
Proposed Joint Use Pole	○
Power Manhole	⊕
Power Line Tower	⊠
Power Transformer	⊠
U/G Power Cable Hand Hole	-----
H-Frame Pole	●
U/G Power Line LOS B (S.U.E.*)	-----
U/G Power Line LOS C (S.U.E.*)	-----
U/G Power Line LOS D (S.U.E.*)	-----

TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	⊕
Telephone Pedestal	⊠
Telephone Cell Tower	⊠
U/G Telephone Cable Hand Hole	-----
U/G Telephone Cable LOS B (S.U.E.*)	-----
U/G Telephone Cable LOS C (S.U.E.*)	-----
U/G Telephone Cable LOS D (S.U.E.*)	-----
U/G Telephone Conduit LOS B (S.U.E.*)	-----
U/G Telephone Conduit LOS C (S.U.E.*)	-----
U/G Telephone Conduit LOS D (S.U.E.*)	-----
U/G Fiber Optics Cable LOS B (S.U.E.*)	-----
U/G Fiber Optics Cable LOS C (S.U.E.*)	-----
U/G Fiber Optics Cable LOS D (S.U.E.*)	-----

WATER:

Water Manhole	⊕
Water Meter	○
Water Valve	⊗
Water Hydrant	⊕
U/G Water Line LOS B (S.U.E.*)	-----
U/G Water Line LOS C (S.U.E.*)	-----
U/G Water Line LOS D (S.U.E.*)	-----
Above Ground Water Line	-----

TV:

TV Pedestal	⊕
TV Tower	⊗
U/G TV Cable Hand Hole	-----
U/G TV Cable LOS B (S.U.E.*)	-----
U/G TV Cable LOS C (S.U.E.*)	-----
U/G TV Cable LOS D (S.U.E.*)	-----
U/G Fiber Optic Cable LOS B (S.U.E.*)	-----
U/G Fiber Optic Cable LOS C (S.U.E.*)	-----
U/G Fiber Optic Cable LOS D (S.U.E.*)	-----

GAS:

Gas Valve	◇
Gas Meter	⊕
U/G Gas Line LOS B (S.U.E.*)	-----
U/G Gas Line LOS C (S.U.E.*)	-----
U/G Gas Line LOS D (S.U.E.*)	-----
Above Ground Gas Line	-----

SANITARY SEWER:

Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	-----
Above Ground Sanitary Sewer	-----
SS Forced Main Line LOS B (S.U.E.*)	-----
SS Forced Main Line LOS C (S.U.E.*)	-----
SS Forced Main Line LOS D (S.U.E.*)	-----


MISCELLANEOUS:

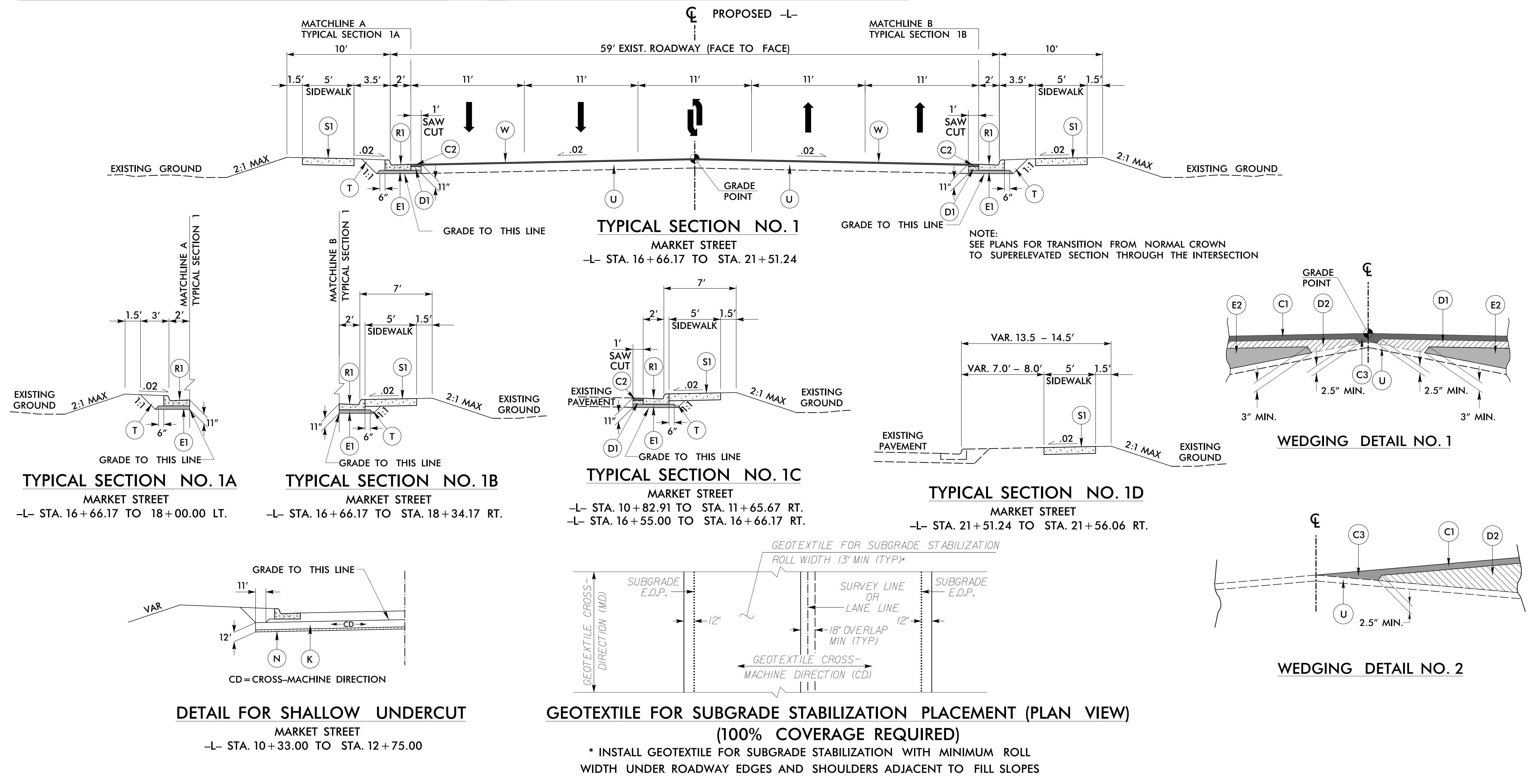
Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊕
Utility Unknown U/G Line LOS B (S.U.E.*)	-----
U/G Tank; Water, Gas, Oil	-----
Underground Storage Tank, Approx. Loc.	-----
A/G Tank; Water, Gas, Oil	-----
Geoenvironmental Boring	⊕
U/G Test Hole LOS A (S.U.E.*)	-----
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE

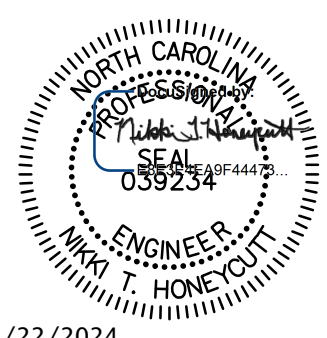
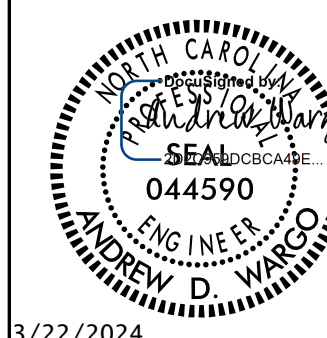

FINAL PAVEMENT SCHEDULE

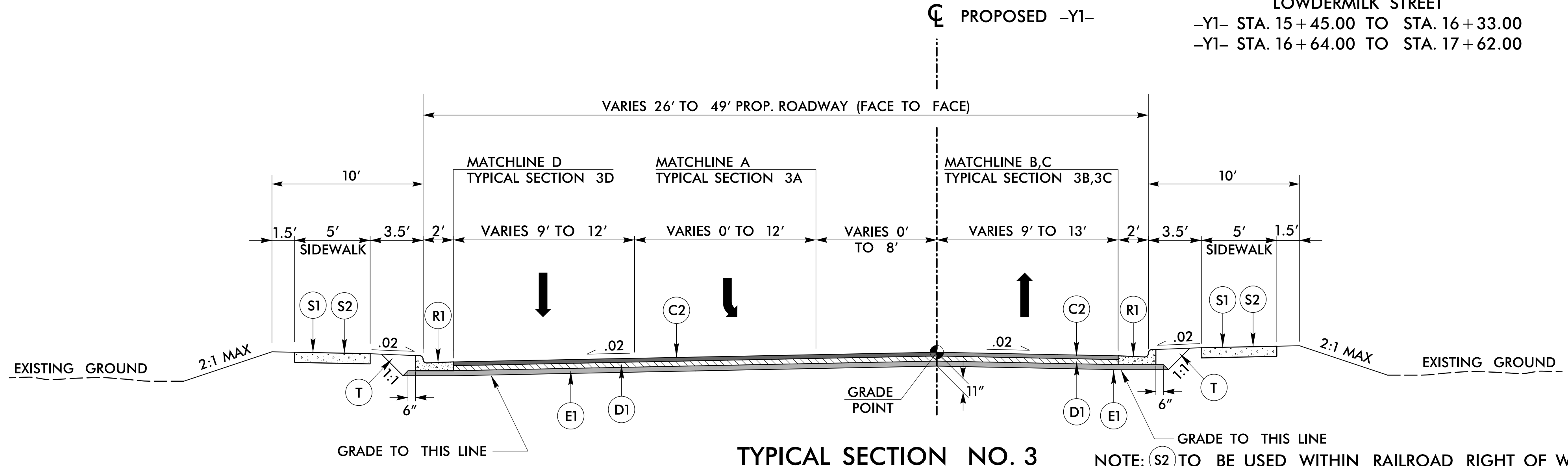
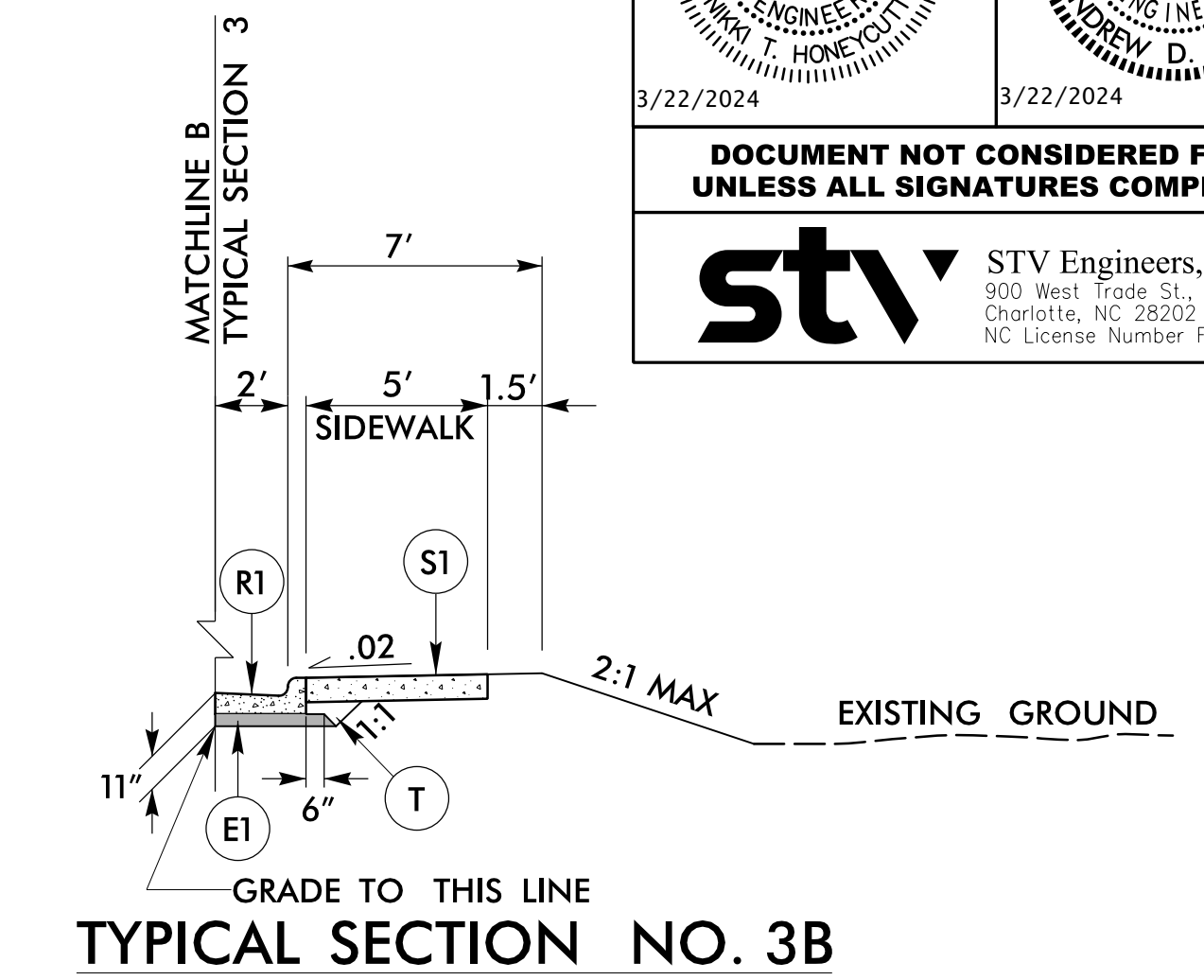
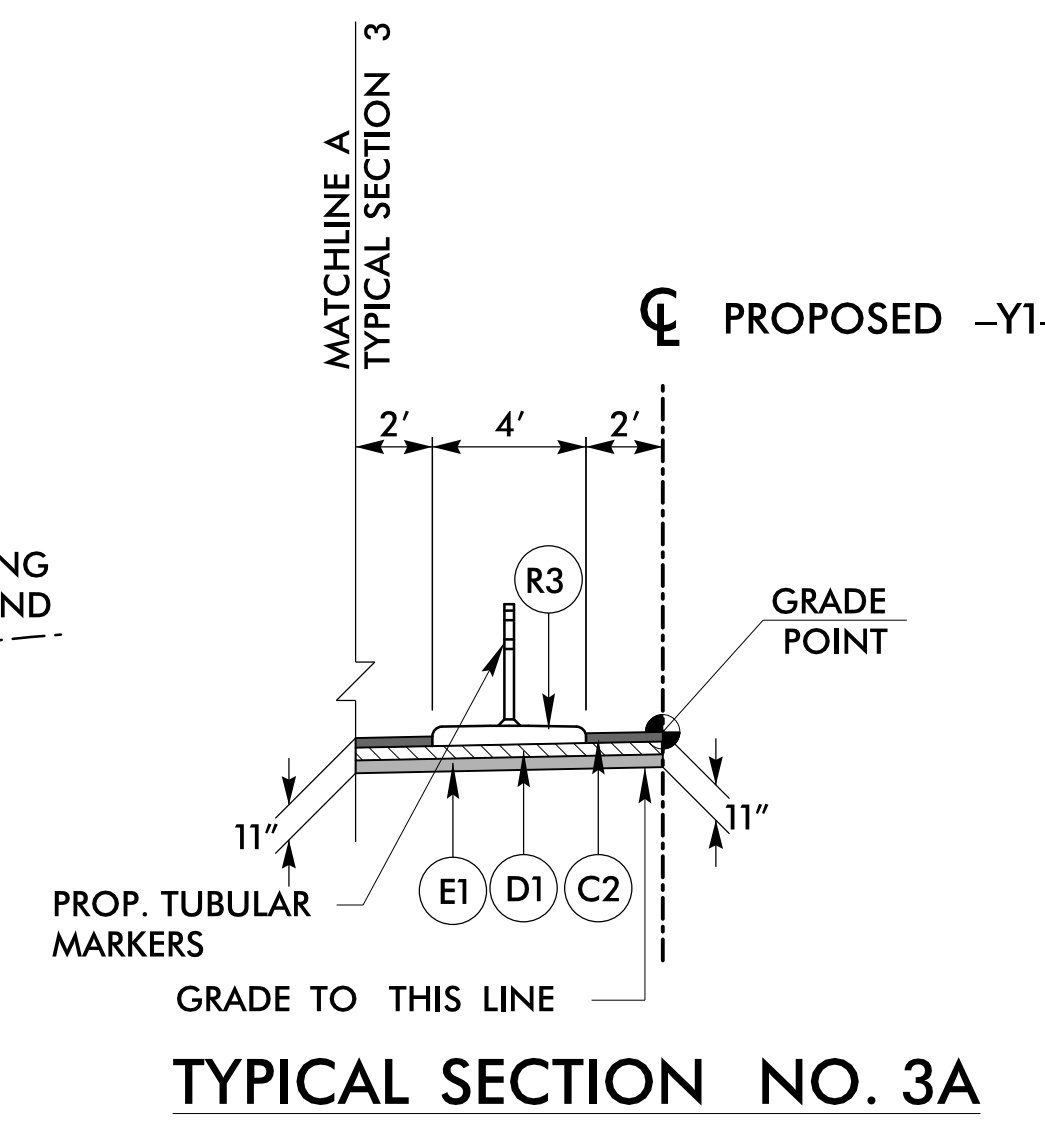
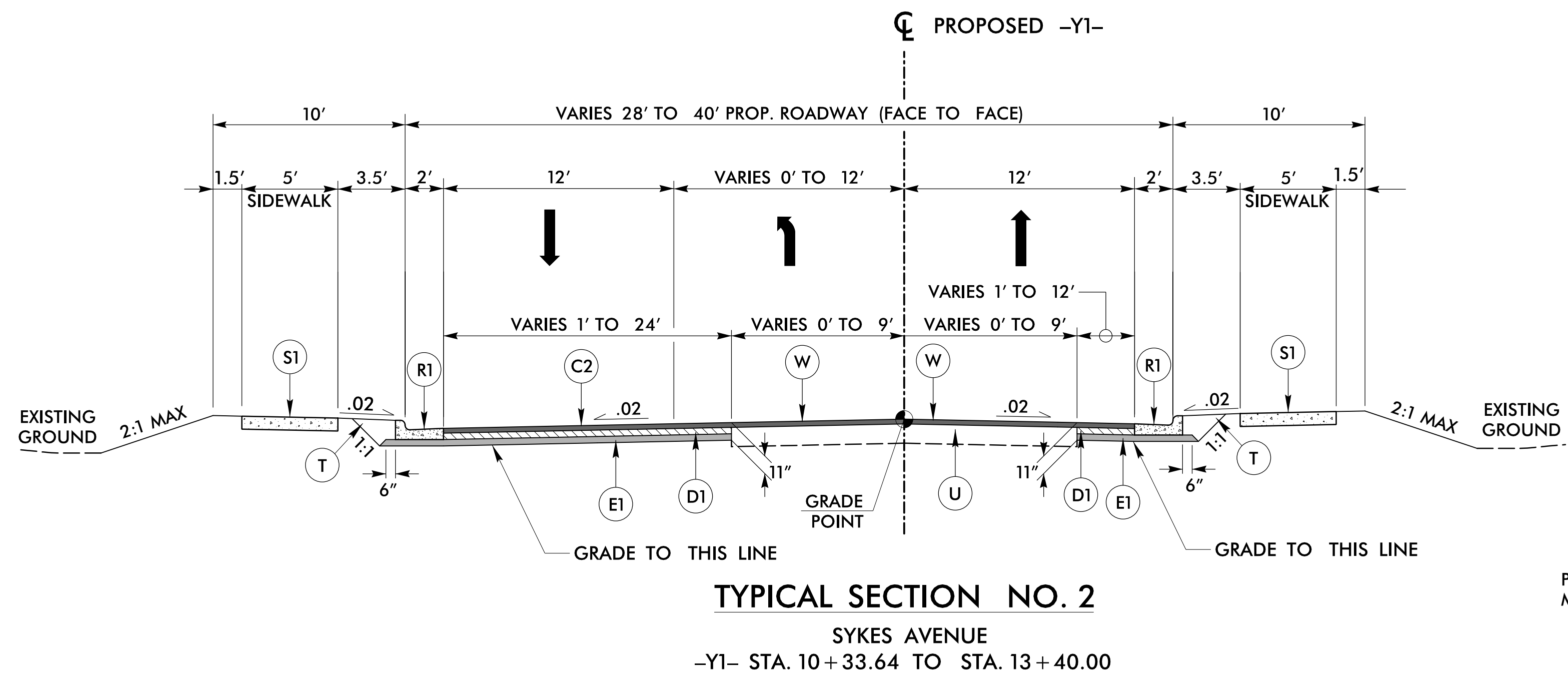
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.	E2	PROP. VARIABLE DEPTH ASPHALT CONCRETE BASE COURSE TYPE B25.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ.YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 3.0" IN DEPTH OR GREATER THAN 5.5" IN DEPTH.	S1	4" CONCRETE SIDEWALK
C2	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD. IN EACH OF TWO LAYERS.	K	PROP. 12" CLASS IV SUBGRADE STABILIZATION	S2	8" REINFORCED CONCRETE SIDEWALK
C3	PROP. VARIABLE DEPTH ASPHALT CONCRETE SURFACE COURSE TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ.YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 1.0" IN DEPTH OR GREATER THAN 1.5" IN DEPTH.	N	GEOTEXTILE FOR SUBGRADE STABILIZATION	T	EARTH MATERIAL
D1	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ.YD.	R1	2'-6" CONCRETE CURB AND GUTTER	U	EXISTING PAVEMENT
D2	PROP. VARIABLE DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE TYPE I19.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ.YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 2.5" IN DEPTH OR GREATER THAN 4.0" IN DEPTH.	R2	8" X 18" CONCRETE CURB	W	VARIABLE DEPTH ASPHALT PAVEMENT (SEE WEDGING DETAIL)
E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ.YD.	R3	5" MONOLITHIC CONCRETE ISLAND (KEYED IN)		

PROJECT REFERENCE NO. Y-4807B	SHEET NO. 2A-1
RW SHEET NO.	
ROADWAY DESIGN ENGINEER M. T. HONEYCUTT 036234	PAVEMENT DESIGN ENGINEER ANDREW D. WARGO 044590
3/22/2024	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 STV Engineers, Inc. 900 West Trade St., Suite 715 Charlotte, NC 28202 NC License Number F-0991	

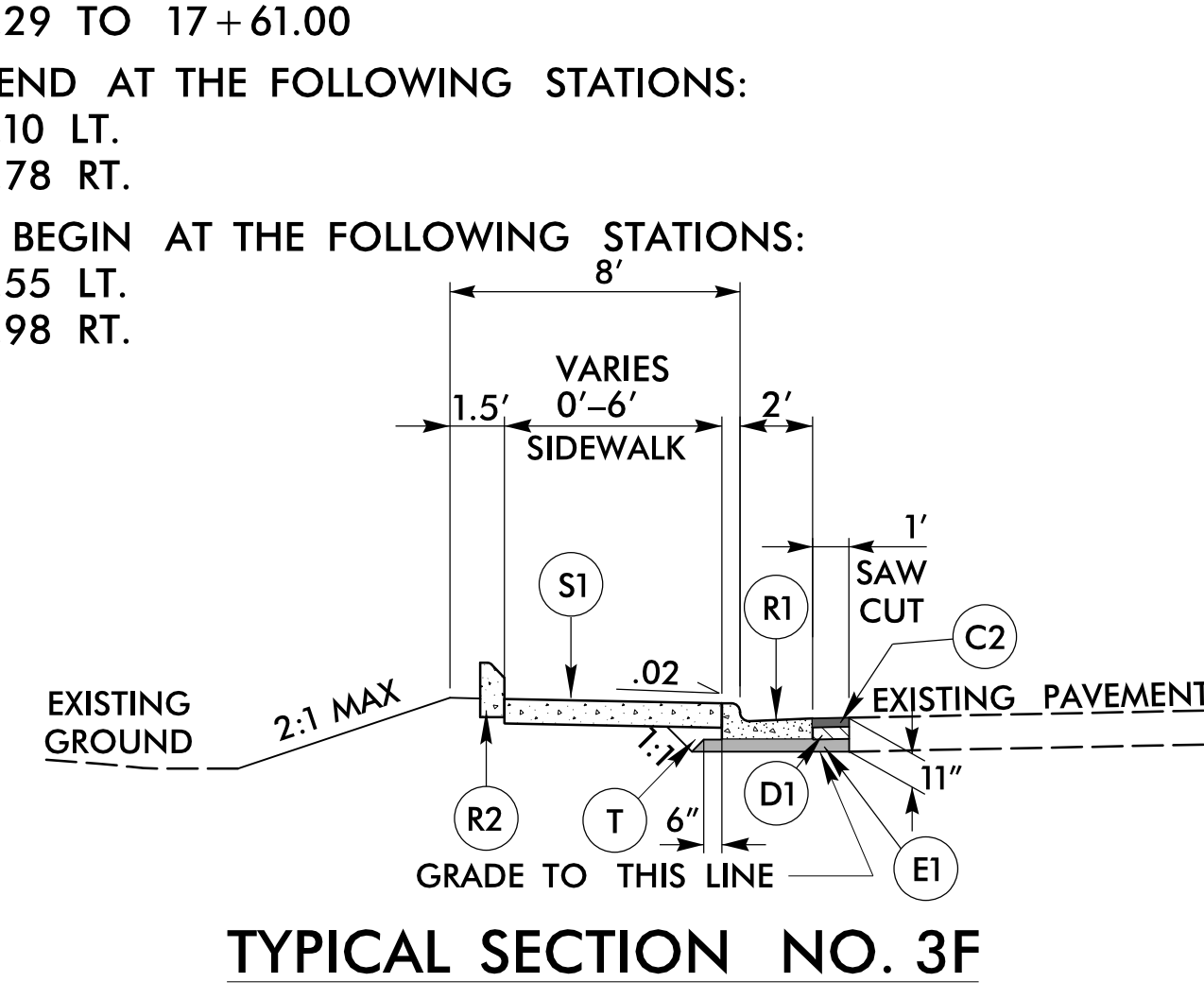
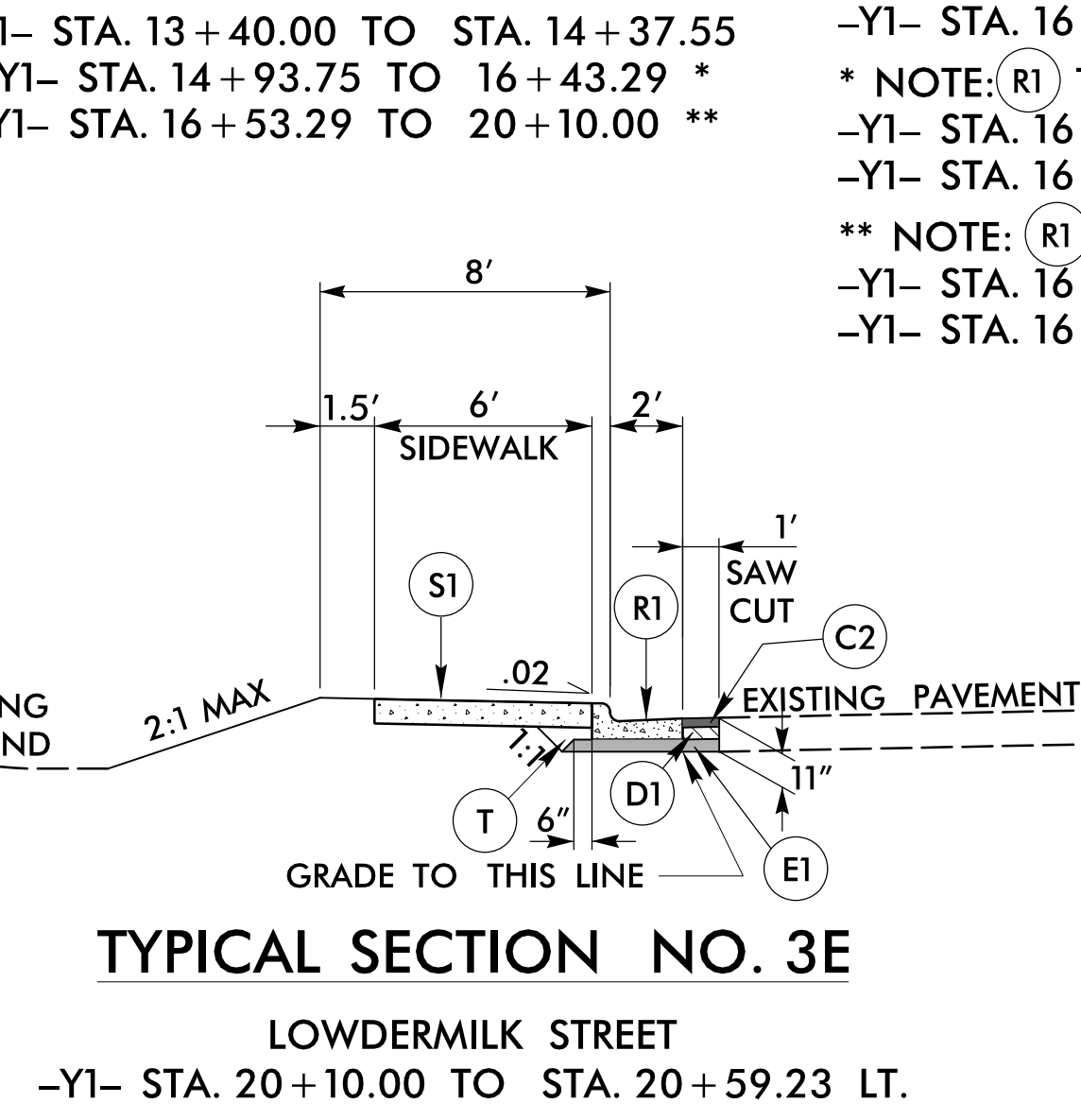
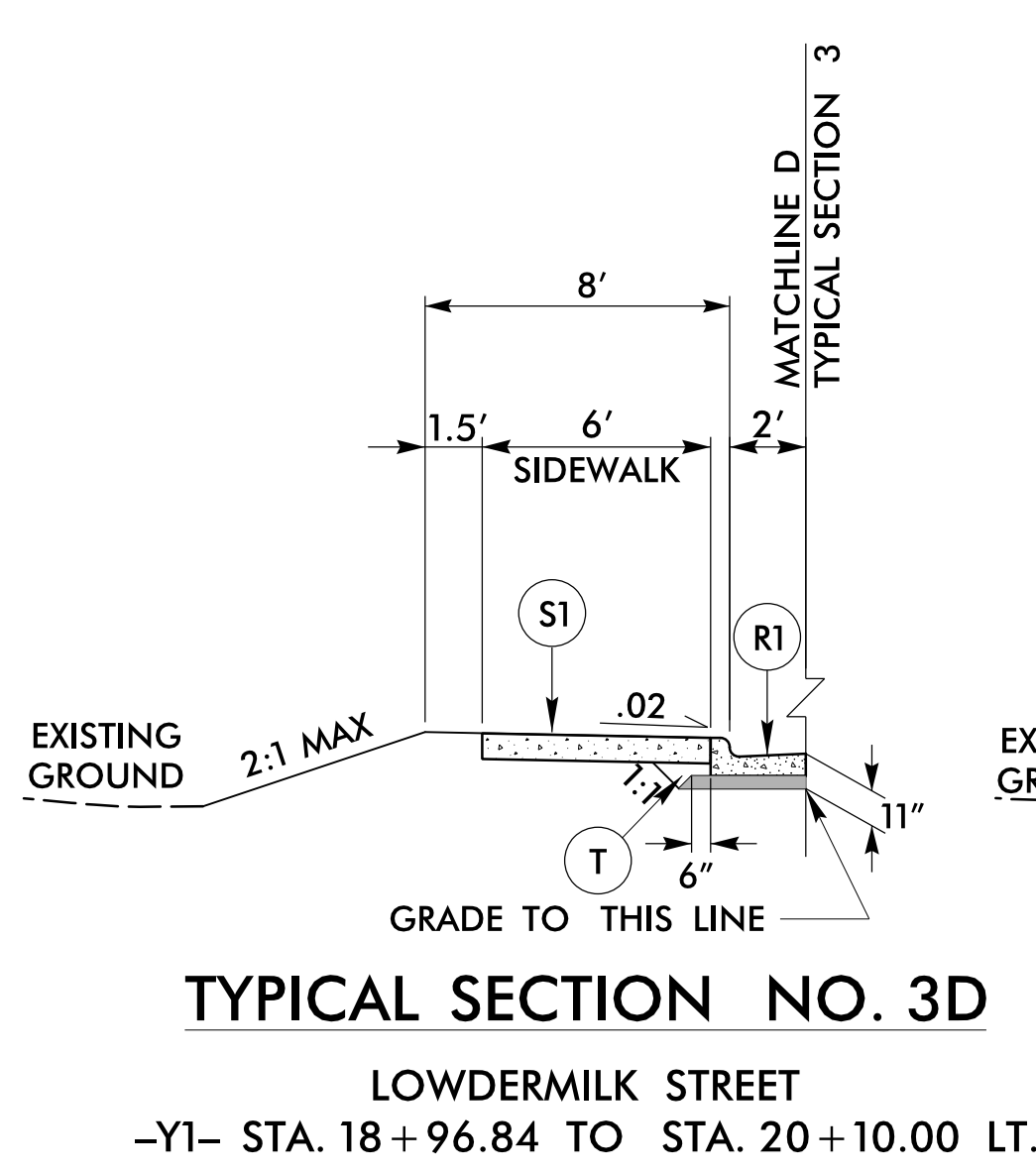
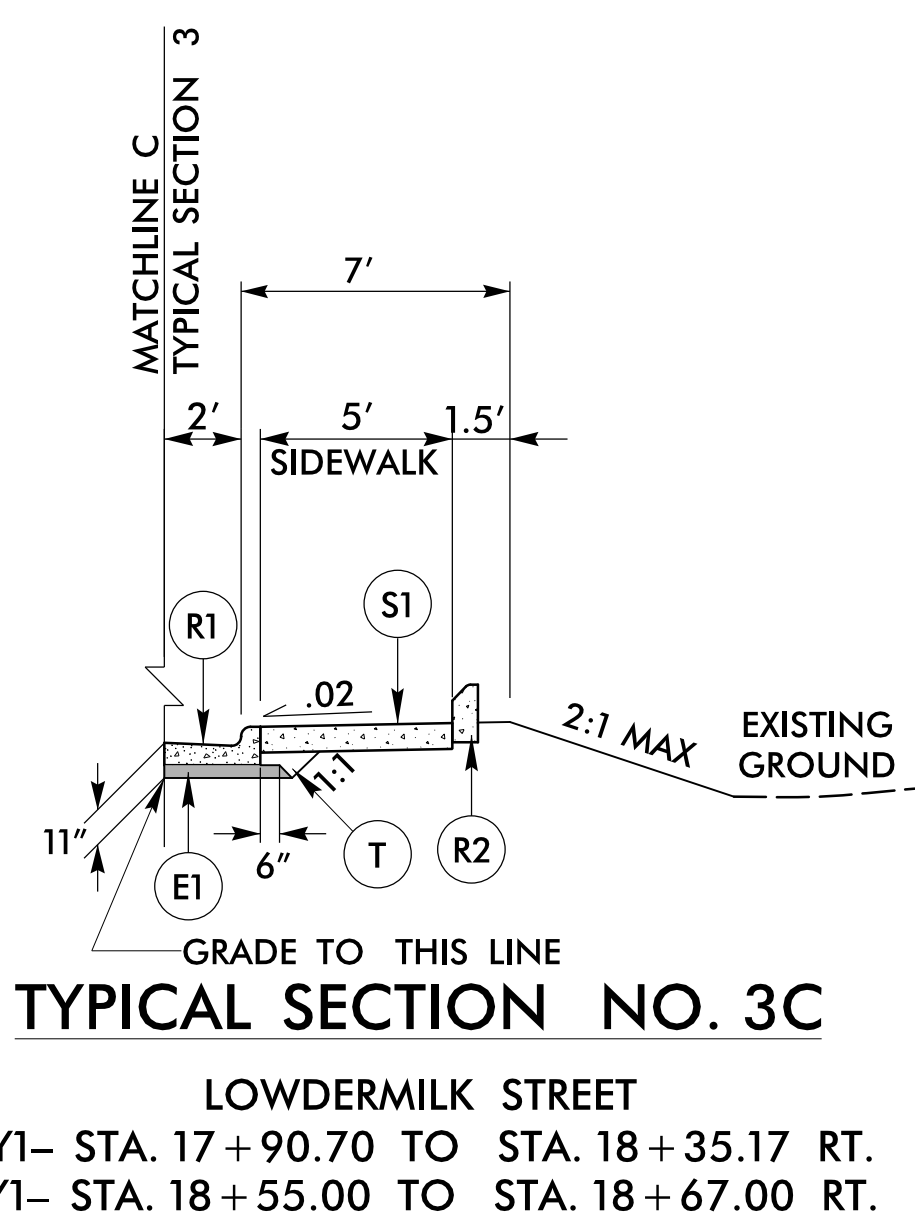


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 mabdelaziz

PROJECT REFERENCE NO. Y-4807B	SHEET NO. 2A-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER 	PAVEMENT DESIGN ENGINEER 
3/22/2024	
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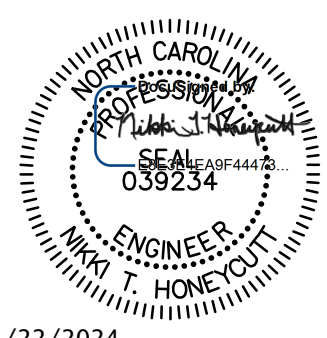
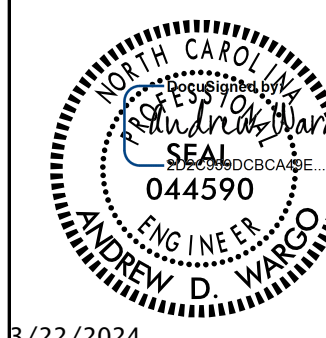

NOTE: (S2) TO BE USED WITHIN RAILROAD RIGHT OF WAY.
-Y1- STA. 15+40.00 TO 16+43.29
-Y1- STA. 16+53.29 TO 17+61.00
* NOTE: (R1) TO END AT THE FOLLOWING STATIONS:
-Y1- STA. 16+34.10 LT.
-Y1- STA. 16+30.78 RT.
** NOTE: (R1) TO BEGIN AT THE FOLLOWING STATIONS:
-Y1- STA. 16+62.55 LT.
-Y1- STA. 16+65.98 RT.

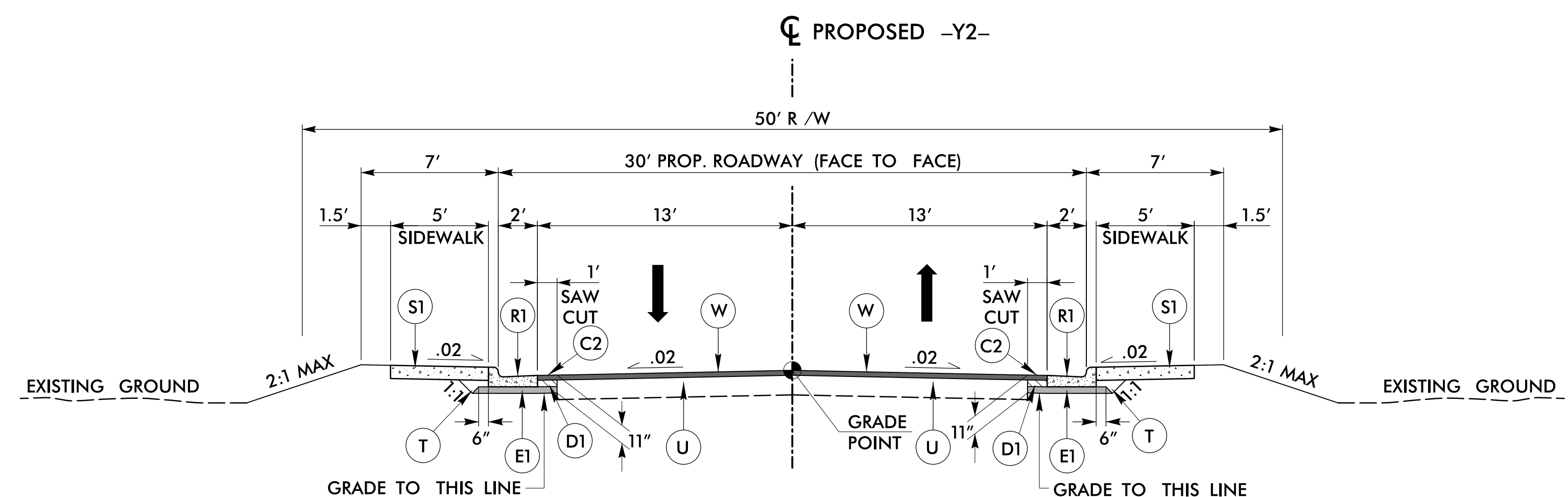


FINAL PAVEMENT SCHEDULE	
C1	1.5" S9.5B
C2	3" S9.5B
C3	VAR. DEPTH S9.5B
D1	4" I19.0C
D2	VAR. DEPTH I19.0C
E1	4" B25.0C
E2	VAR. DEPTH B25.0C
K	12" CLASS IV
N	GEOTEXTILE
R1	2'-6" CONCRETE CURB AND GUTTER
R2	8" X 18" CONCRETE CURB
R3	5" MONO. CONC. ISLAND (KEYED-IN)
S1	4" CONCRETE SIDEWALK
S2	8" REINFORCED CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT
W	WEDGING

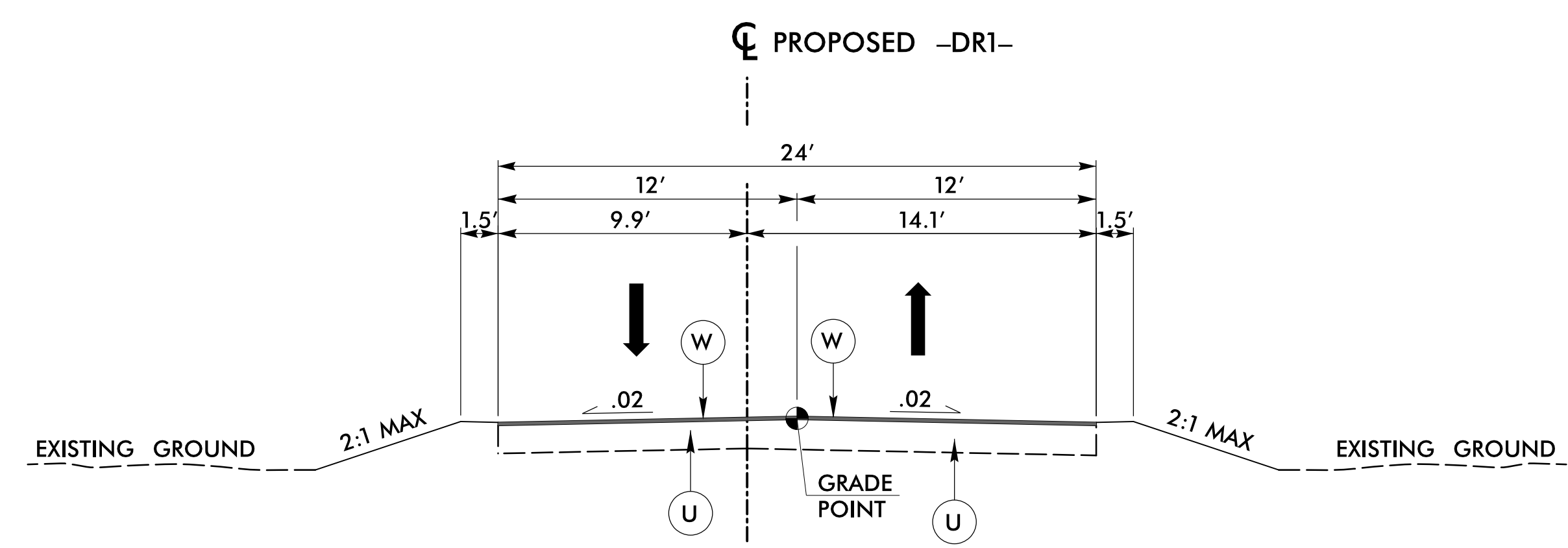
ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE

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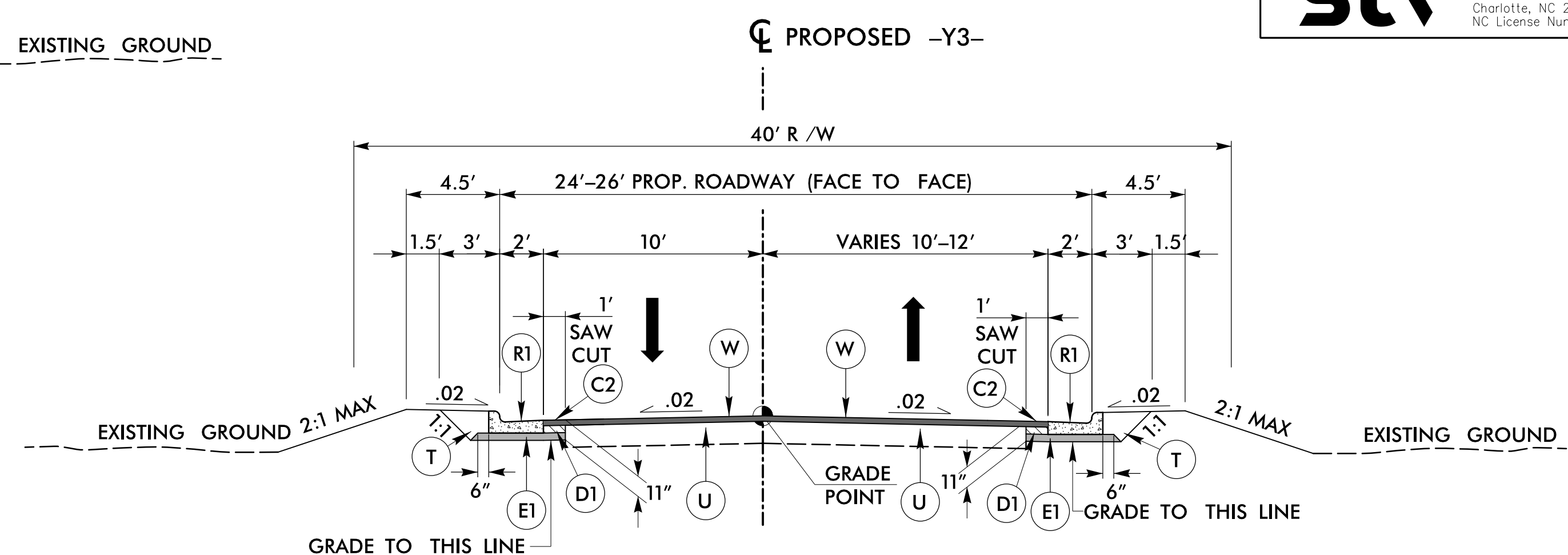
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RW SHEET NO.	
ROADWAY DESIGN ENGINEER 	PAVEMENT DESIGN ENGINEER 
3/22/2024	3/22/2024
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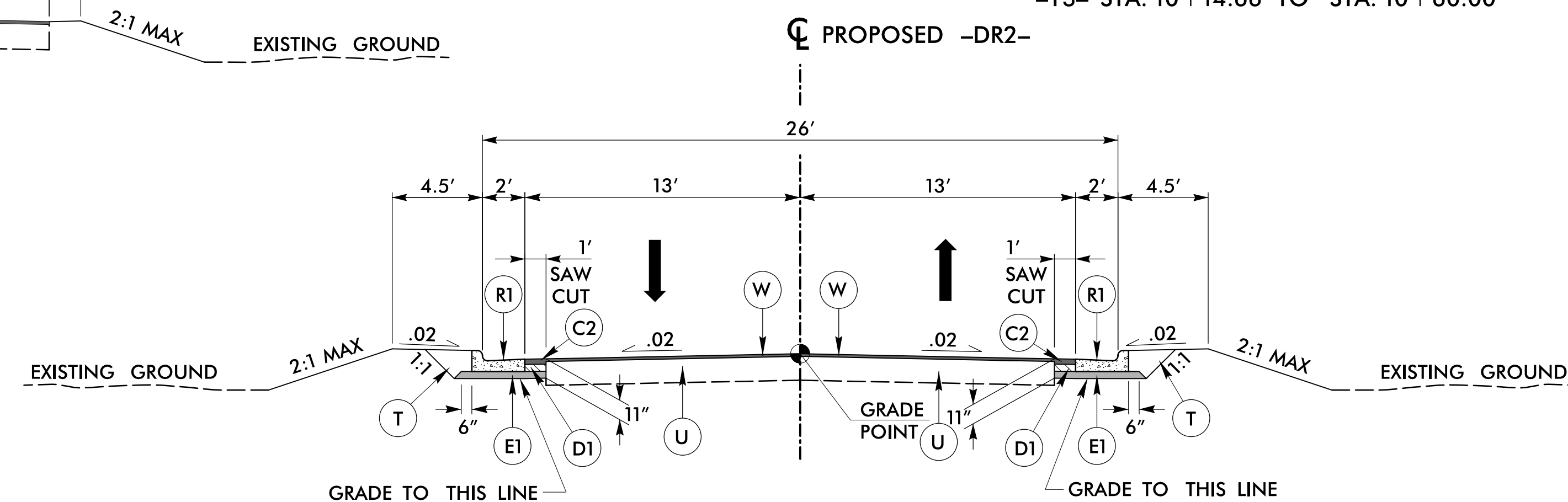
TYPICAL SECTION NO. 4
CALUMET PLACE
-Y2- STA. 10+13.25 TO STA. 11+46.83



TYPICAL SECTION NO. 6
DR1
-DR1- STA. 10+27.66 TO STA. 10+80.00



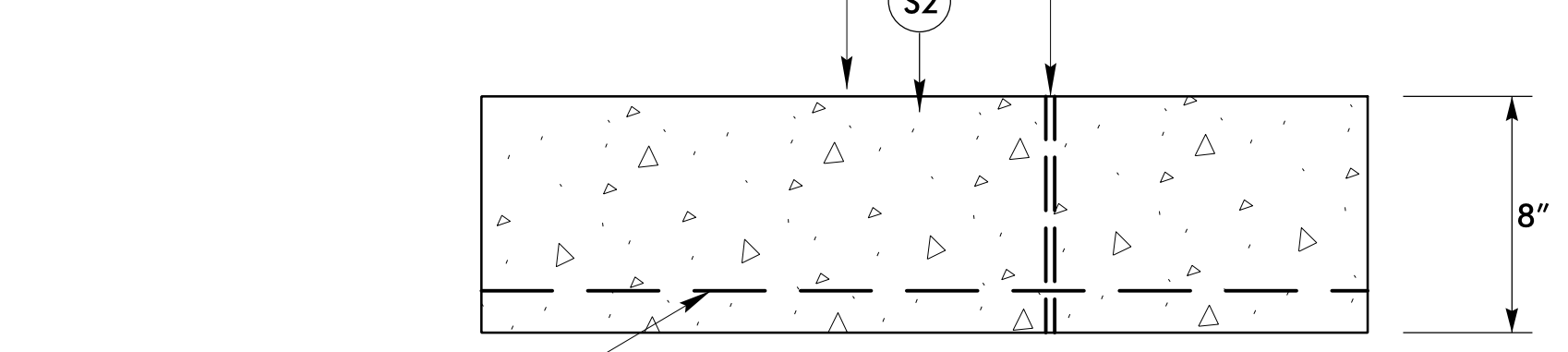
TYPICAL SECTION NO. 5
CAMERON AVENUE
-Y3- STA. 10+14.66 TO STA. 10+60.00



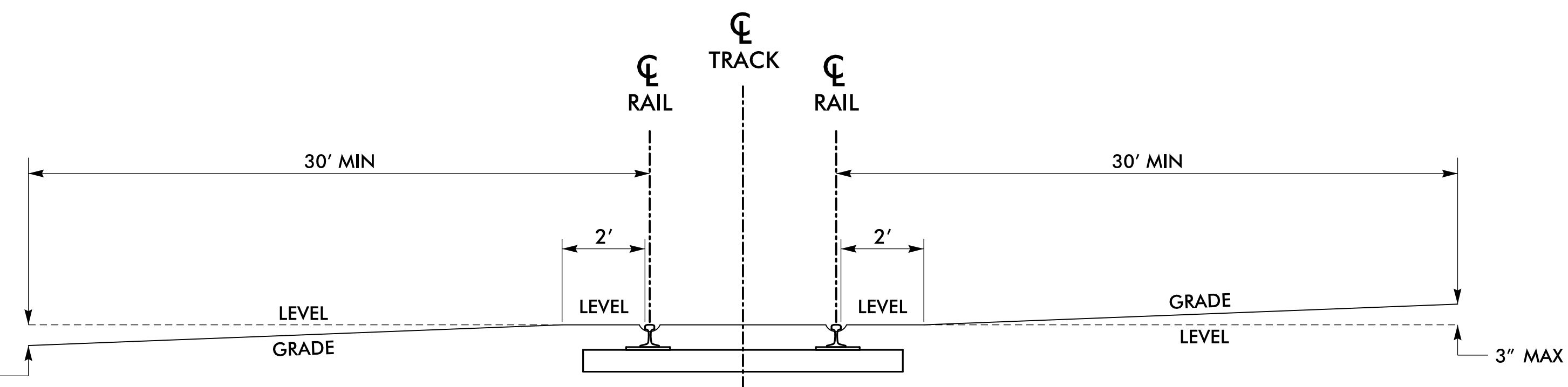
TYPICAL SECTION NO. 7
PINE STREET (-DR2-)
-DR2- STA. 10+27.45 TO STA. 10+80.00

CONTROL JOINT
SAW CUT JOINTS - MAXIMUM 15' SPACING
JOINTS TO BE 1/8" X 1-1/2" TO 2" DEEP
WITH WATERPROOF SEALANT

CONSTRUCTION JOINT
IF USED, INSTALL 5/8" DIA. SMOOTH STEEL DOWELS 18" O.C.,
2' LONG GREASE ON SIDE OF STEEL AND SEAL WITH
WATERPROOF SEALANT



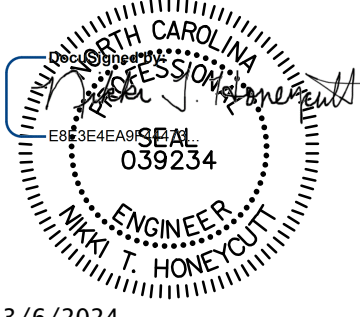


(6X6 - W2.9 X W2.9 WWF)
WITH 3" MIN. COVER.
STOP WWF 2" FROM
CONSTRUCTION JOINTS



FINAL PAVEMENT SCHEDULE	
C1	1.5" S9.5B
C2	3" S9.5B
C3	VAR. DEPTH S9.5B
D1	4" I19.0C
D2	VAR. DEPTH I19.0C
E1	4" B25.0C
E2	VAR. DEPTH B25.0C
K	12" CLASS IV
N	GEOTEXTILE
R1	2'-6" CONCRETE CURB AND GUTTER
R2	8" X 18" CONCRETE CURB
R3	5" MONO. CONC. ISLAND (KEYED-IN)
S1	4" CONCRETE SIDEWALK
S2	8" REINFORCED CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT
W	WEDGING

ALL PAVEMENT SLOPES 1:1 UNLESS NOTED OTHERWISE

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PROJECT REFERENCE NO. Y-4807B	SHEET NO. 2B-3
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
	
3/6/2024	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	
STV Engineers, Inc. 900 West Trade St., Suite 715 Charlotte, NC 28202 NC License Number F-0991	
GRAPHIC SCALES	
	
PLANS	

CROSSING CLOSURE DETAIL

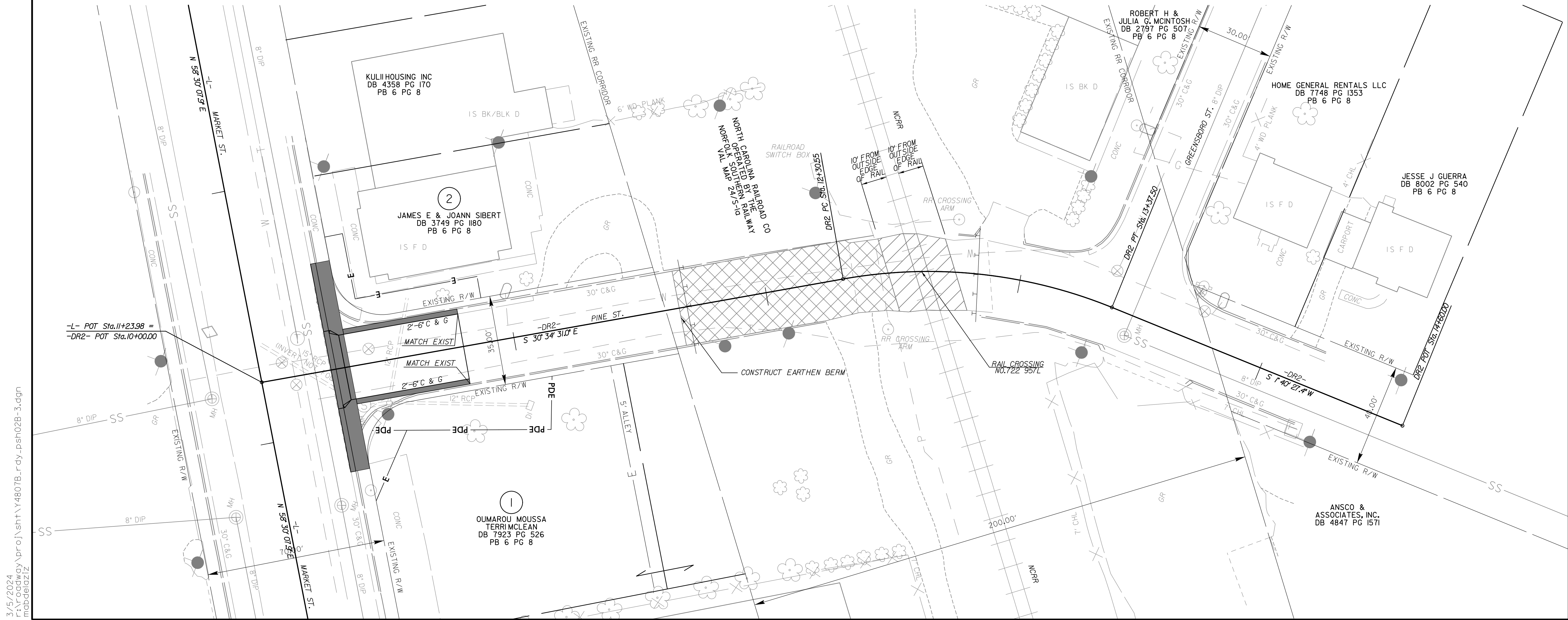
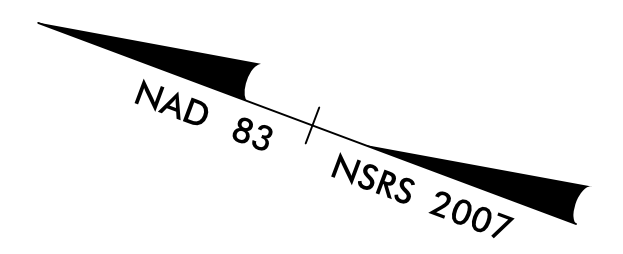
PINE STREET -DR2-

NOTE:

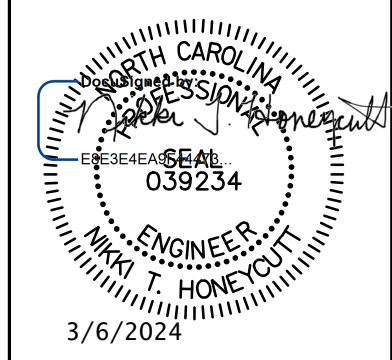
- CONTACT THE NCDOT RESIDENT ENGINEER TO SCHEDULE THE CLOSURE OF PINE STREET.
- THE EXISTING PAVEMENT WITHIN 10' OF THE EDGE OF THE RAILS, WILL BE REMOVED BY OTHERS. THE EXISTING RAIL SEAL FLANGES CROSSBUCKS, GATES AND FLASHERS WILL BE REMOVED BY OTHERS.
- CONTRACTOR SHALL SEED AND MULCH THE DISTURBED AREA OUTSIDE THE RAILROAD BALLAST LINE.
- CONTRACTOR SHALL CONTACT NORTH CAROLINA 811 TO LOCATE ALL UNDERGROUND UTILITIES IN THE WORK AREA. CONTRACTOR SHALL ALSO CONTACT NORFOLK SOUTHERN RAILWAY TO LOCATE ANY UNDERGROUND RAILROAD UTILITIES IN THE WORK AREA PRIOR TO COMMENCEMENT OF WORK ON THE CORRIDOR.
- CONTRACTOR SHALL REMOVE EXISTING HIGHWAY ROADBED AND GRADE AREA TO MATCH ADJACENT TOPOGRAPHY. ANY EXISTING CULVERTS IN THE RAILROAD DITCHES SHALL BE REMOVED AND GRADE EXISTING DITCHES TO DRAIN. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER ON HAULING AWAY ANY ASPHALT LEFT BY THE REMOVAL BY OTHERS. ALL PAVEMENT WITHIN THE NCR-NSRR CORRIDOR IS TO BE REMOVED PRIOR TO THE CONCLUSION OF THE PROJECT.
- PROVIDE PERMANENT MARKING AND SIGNING AS SHOWN IN THE PM-SIGNING PLANS.
- PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC MANAGEMENT PLANS.
- ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERNATING ANY TRAFFIC PATTERN.

	PAVEMENT REMOVAL
	PAVEMENT REMOVAL BY OTHERS (85 SY)

NOTE: ALL WORK WITHIN NCR CORRIDOR TO BE COORDINATED WITH NCDOT, NC RAILROAD AND NS RAILWAY.



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PROJECT REFERENCE NO. Y-4807B	SHEET NO. 2B-4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

SHORING ID No.	BEGIN STATION & REFERENCE LINE	OFFSET (LT/RT)	END STATION & REFERENCE LINE	OFFSET (LT/RT)	ESTIMATED AVERAGE HEIGHT (FT)	ESTIMATED MAXIMUM HEIGHT (FT)	SHORING TYPE
1	-Y1- STA 16+35 ±	46.52' LT	-Y1- STA 16+36 ±	67.32' LT	10.7	10.7	STRUCTURE (DRAINAGE STRUCTURE #418)

TEMPORARY SHORING No. 1

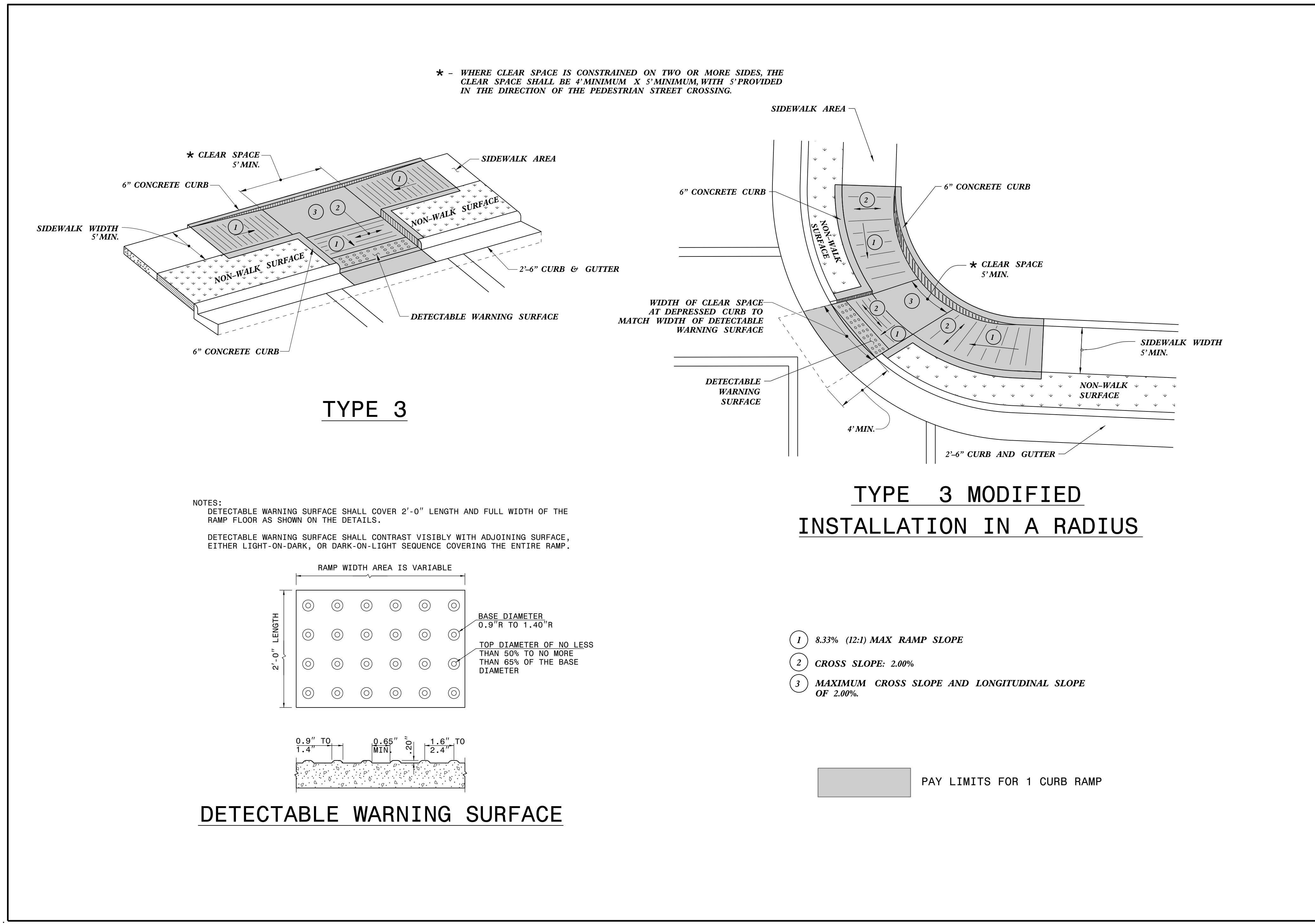
FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

DESIGN TEMPORARY SHORING FROM -Y1- STA 16+35 ±, 46.52 FT. LT. TO -Y1- STA 16+36 ±, 67.32 FT. LT., AS SHOWN ON PLAN SHEET 4 FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

- UNIT WEIGHT OF SOIL ABOVE WATER TABLE, (γ)= 120 PCF
- UNIT WEIGHT OF SOIL BELOW WATER TABLE, (γ')= 60 PCF
- FRICTION ANGLE (ϕ)= 30 DEGREES
- COHESION (c) = 0 PSF
- GROUNDWATER ELEVATION = NOT ENCOUNTERED IN CURRENT BORINGS

BEFORE BEGINING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE, ACTUAL SHORING HEIGHTS.

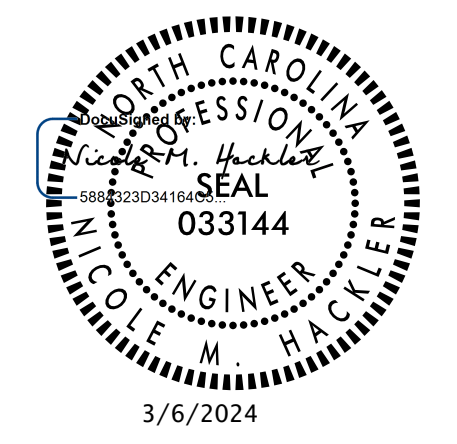
LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF THE TEMPORARY SHORING FROM -Y1- STA 16+35 ±, 46.52 FT. LT. TO -Y1- STA 16+36 ±, 67.32 FT. LT., THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE SITE CONDITIONS ENCOUNTERED DURING



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

ROADWAY DETAIL DRAWING FOR
CURB RAMP
PARALLEL RAMP

SHEET 9 OF 13
848D06



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY: S.CALHOUN	DATE: 12-22-2023
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.: special_details\nmhackler\0609.dgn	

COMPUTED BY: DSM DATE: 08/27/21
 CHECKED BY: TLS DATE: 01/30/24

STATE OF NORTH CAROLINA RAIL DIVISION

PROJECT REFERENCE NO. <i>Y-4807B</i>	SHEET NO. <i>3B-1</i>
RW SHEET NO.	
STV Engineers, Inc. <small>900 West Trade St., Suite 715 Charlotte, NC 28202 NC License Number F-0991</small>	

SUMMARY OF EARTHWORK IN CUBIC YARDS

FROM STATION	TO STATION	EXCAVATION		EMBANKMENT		
		TOTAL UNCLASSIFIED	UNDERCUT	EMBANKMENT +%	BORROW	WASTE
PHASE 1						
SUMMARY NO. 1						
-Y1- 10+33.64 LT	-Y1- 14+37.49 LT	281		25		256
-Y2- 10+23.03	-Y2- 11+46.82	79		36		43
TOTAL SUMMARY NO. 1		360		61		299
PHASE 2						
SUMMARY NO. 2						
-L- 16+66.17 LT	-L- 21+51.24 LT	121		42		79
-Y1- 10+33.64 RT	-Y1- 14+37.49 RT	16		401	401	16
TOTAL SUMMARY NO. 2		137		443	401	95
PHASE 3						
SUMMARY NO. 3						
-L- 16+66.17 RT	-L- 20+48.40 RT	11		238	227	
-Y1- 14+93.83	-Y1- 16+42.29			1,625	1,625	
-Y1- 16+53.47	-Y1- 17+36.73	40		148	108	
TOTAL SUMMARY NO. 3		51		2,011	1,960	
PHASE 4						
SUMMARY NO. 4						
-Y1- 17+36.73	-Y1- 20+10.00	581		52		529
TOTAL SUMMARY NO. 4		581		52		529
PHASE 5						
SUMMARY NO. 5						
-L- 20+48.40 RT	-L- 21+51.24 RT	10		35	25	
TOTAL SUMMARY NO. 5		10		35	25	
SUBTOTAL		1,139		2,602	2,386	923
LOSS DUE TO CLEARING AND GRUBBING			-175			175
WASTE IN LIEU OF BORROW						-848
PROJECT TOTAL		964		2,602	1,713	75
ESTIMATE 5% FOR TOPSOIL ON BORROW PITS						86
GRAND TOTAL		964		2,602	1,799	75
SAY		1,000			1,900	

SUMMARY OF EXISTING ASPHALT PAVEMENT REMOVAL

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD ²
-Y1-	13+16	14+18	RT	282
-Y1-	14+94	16+30	LT & RT	1559
-Y1-	15+49	16+39	LT	251
-Y1-	16+59	17+23	LT	123
-DR2-	11+66	12+52	LT & RT	270
TOTAL:				2484
SAY:				2490

GEOTEXTILE FOR SUBGRADE STABILIZATION: 900 SY
 CONTINGENCY UNDERCUT EXCAVATION: 100 CY
 CONTINGENCY SELECT GRANULAR MATERIAL: 100 CY
 GEOTEXTILE FOR SOIL STABILIZATION: 100 SY
 SHALLOW UNDERCUT: 150 CY
 SHALLOW UNDERCUT BY STATIONS -Y1- 10+33.00 THRU 12+75.00: 150 CY
 TOTAL SHALLOW UNDERCUT: 300 CY
 CLASS IV SUBGRADE STABILIZATION: 600 TONS

UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE USED IN TOP 3 FT. OF EMBANKMENT OR BACKFILL, -Y1- 10+33.00 TO 12+75.00 (75 CY.) PER GEOTECH.

NOTE: Approximate quantities only. Unclassified Excavation, Borrow Excavation, Fine Grading, Clearing and Grubbing and Removal of Existing Pavement will be paid for at the contract lump sum price for "Grading."

NOTE: Earthwork quantities are calculated by the engineer. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

"N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL.
 TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.
 FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL.
 W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL.
 G = GATING IMPACT ATTENUATOR TYPE 350
 NG = NON-GATING IMPACT ATTENUATOR TYPE 350

GUARDRAIL SUMMARY

SURVEY LINE	BEGIN STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL. WIDTH	FLARE LENGTH		W		ANCHORS										REMARKS										
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	XI MOD	B77	GRAU 350	M-350	TYPE III	CAT-1	VI MOD	BIC	IMPACT ATTENUATOR TYPE 350			CONCRETE BARRIER (ANCHORED)		REMOVE EXISTING GUARDRAIL	REMOVE AND STOCKPILE EXISTING GUARDRAIL								
																					EA	G	NG												
-DR2-	11+68.27	11+69.00	LT&RT	37.50																															
-DR2-	12+82.49	12+84.54	LT&RT	37.50																															
TOTAL:				75.00																															
TOTAL GUARDRAIL LENGTH:				75.00																															
SAY:				75.00 LF																															

3/6/2024 R:\Roadway\Proj\4807B_rdy_psh03B-1.dgn mbdelaziz

COMPUTED BY: D. KUBINSKI DATE: 2/23/2024
 CHECKED BY: J. FREGOSI DATE: 2/23/2024

(2-3-23)

PROJECT NO. SHEET NO.
 Y-4807B 3G-1

**STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS**

SUMMARY OF SUBSURFACE DRAINAGE

LINE	Station	Station	Location LT/RT/CL	Drain Type* UD/BD/SD	LF
CONTINGENCY				SD	200
				TOTAL LF:	200

*UD = Underdrain
 *BD = Blind Drain
 *SD = Subsurface Drain


SUMMARY OF AGGREGATE SUBGRADE/STABILIZATION

LINE	Station	Station	Aggregate Type* ASU(1/2)/ AST	Aggregate Thickness INCHES [8" for ASU(2)]	Shallow Undercut CY	Class IV Subgrade Stabilization TONS	Geotextile for Subgrade Stabilization SY	Stabilizer Aggregate TONS	Class IV Aggregate Stabilization TONS
-Y1-	10+33	12+75	ASU (1)	12	150	300	450		
CONTINGENCY			ASU (1)	12	150	300	450		
					TOTAL CY/TONS/SY:	300	600**	900**	0

*ASU(1/2) = Aggregate Subgrade (Type 1 or 2)
 *AST = Aggregate Stabilization

**Total tons of "Class IV Subgrade Stabilization" and total square yards of "Geotextile for Subgrade Stabilization" are only the estimated quantities for ASU(1/2)/AST and may only represent a portion of the subgrade stabilization and geotextile quantities shown in the Item Sheets of the Proposal.

STATE OF NORTH CAROLINA RAIL DIVISION

PROJECT REFERENCE NO. <i>Y-4807B</i>	SHEET NO. <i>3P-1</i>
 STV Engineers, Inc. <small>900 West Trade St., Suite 715 Charlotte, NC 28202 NC License Number F-0991</small>	

PARCEL INDEX SHEET

PARCEL NO.	SHEET NO.	PROPERTY OWNER NAME
1	4	ANSCO & ASSOCIATES, INC.
2	4	JESSE J GUERRA
3	4	HOME GENERAL RENTALS LLC
4	4	ROBERT H & JULIA G. MCINTOSH
5	4	MERLINI LLC
6	4	OUMAROU MOUSSA
7	4	JAMES E & JOANN SIBERT
8	4	OUMAROU MOUSSA
9	4	KULII HOUSING INC
10	4	R&M PROPERTY SOLUTIONS, LLC
11	4	DARLO PROPERTIES LLC
12	4	LARRY D. & BEVERLY A. KEY
13	4	D.T. BUTLER
14	4	VON TAVO WRAY
15	4	CURLS RENTALS INC
16	4	CURLS RENTALS INC
17	4	CITY OF GREENSBORO
18	4	Z.A. SCHWARZ, LLC
19	4	WRAY PROPERTIES
20	4	WRAY PROPERTIES
21	4	CITY OF GREENSBORO
22	4	CITY OF GREENSBORO
23	4	CITY OF GREENSBORO
24	4	VERNEL V. & CORNELIA S. GIBSON
25	4	VERNAL GIBSON
26	4	WILLIAM T. LINDA G. CAULEY
27	4	WILLIAM R COGHILL PATRICIA G COGHILL
28	4	OLIVA GARNICA YESCAS GUADALUPE P PARADA
29	4	VON TAVO WRAY
30	4	VON TAVO WRAY
31	4	LINDA & CYNTHIA THACKER
32	4	VON TAVO WRAY
33	4	THOMASINE HERROD
34	4	JOHANNA ORTIZ
35	4	CARRIE B COOK
36	4	ISMAEL A ESTRADA MARQUES
37	4	EDWARD RENN

NOTE: RIGHT-OF-WAY PURCHASED BY THE CITY OF GREENSBORO

13 D. T. BUTLER WB 85E PG 1604 PB 58 PG 128	19 WRAY PROPERTIES DB 6431 PG 1693 PB 4 PG 36	24 VERNEL V. & CORNELIA S. GIBSON DB 6329 PG 1646 PB 4 PG 208
14 VON TAVO WRAY DB 7469 PG 2980	20 WRAY PROPERTIES DB 6431 PG 1693 PB 4 PG 36	25 VERNAL GIBSON DB 7820 PG 1972 PB 4 PG 208
15 CURLS RENTALS INC DB 3851 PG 1759	21 CITY OF GREENSBORO DB 8136 PG 1469 PB 4 PG 208	26 WILLIAM T. LINDA G. CAULEY DB 3946 PG 342 PB 4 PG 36
16 CURLS RENTALS INC DB 3671 PG 489	22 CITY OF GREENSBORO DB 8326 PG 3096	27 WILLIAM R COGHILL PATRICIA G COGHILL DB 4923 PG 204 PB 4 PG 36
17 CITY OF GREENSBORO DB 8231 PG 148	23 CITY OF GREENSBORO DB 8249 PG 2783 PB 4 PG 208	

- NOTES:
- 1) CONTACT THE NCDOT RESIDENT ENGINEER TO SCHEDULE THE CLOSURE OF PINE STREET.
 - 2) THE EXISTING PAVEMENT WITHIN 10' OF THE RAILS WILL BE REMOVED BY NORFOLK SOUTHERN. THE RAIL SEAL FLANGES WILL ALSO BE REMOVED BY NORFOLK SOUTHERN.
 - 3) CONTRACTOR SHALL COORDINATE WITH THE NORFOLK SOUTHERN SIGNALS DEPARTMENT FOR THE REMOVAL AND / OR RELOCATION OF THE CROSSING GATE AND FLASHERS IMPACTED BY THE PROPOSED CONSTRUCTION.
 - 4) CONTRACTOR SHALL SEED AND MULCH THE DISTURBED AREA OUTSIDE THE RAILROAD BALLAST LINE.
 - 5) CONTRACTOR SHALL CONTACT NORTH CAROLINA 811 TO LOCATE ALL UNDERGROUND UTILITIES IN THE WORK AREA. CONTRACTOR SHALL CONTACT NORFOLK SOUTHERN TO LOCATE ANY UNDERGROUND RAILROAD UTILITIES IN THE WORK AREA PRIOR TO COMMENCEMENT OF WORK IN THE CORRIDOR.
 - 6) CONTRACTOR SHALL REMOVE EXISTING HIGHWAY ROADBED AND GRADE AREA TO MATCH ADJACENT TOPOGRAPHY. ANY EXISTING CULVERTS IN THE RAILROAD DITCHES SHALL BE REMOVED AND GRADE EXISTING DITCHES TO DRAIN. CONTRACTOR SHALL COORDINATE THIS WITH THE ENGINEER ON HAULING AWAY ANY ASPHALT LEFT BY THE RAILROAD. ALL PAVEMENT WITHIN THE RAILROAD CORRIDOR IS REMOVED PRIOR TO THE CONCLUSION OF THE PROJECT.
 - 7) NORFOLK SOUTHERN FORCES WILL COMPLETE ALL CROSSING INSTALLATION WORK TO 2' OUTSIDE THE EDGE OF RAIL ON EACH SIDE OF THE PROPOSED CROSSING.
 - 8) NORFOLK SOUTHERN RESPONSIBLE FOR INSTALLATION OF RAIL SEAL ADJACENT TO EACH RAIL PRIOR TO ASPHALT INSTALLATION.
 - 9) CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER AND NORFOLK SOUTHERN WHILE WORKING WITHIN THE RAILROAD RIGHT OF WAY.
 - 10) CONTRACTOR WILL NOT BE PERMITTED TO STORE ANY EQUIPMENT ON NCRP PROPERTY WITHOUT PERMISSION FROM THE NORFOLK SOUTHERN RAILROAD ENGINEER IN ACCORDANCE WITH SECTION 6.L.1 OF THE NCRP'S SPECIAL PROVISIONS FOR PROTECTION OF RAILWAY INTERESTS.
 - 11) ALL PROPOSED ROW AND EASEMENTS ACQUIRED BY CITY OF GREENSBORO PER SHEET NUMBERS: G-1322A, G-1322B AND G-1322C.
 - 12) CITY OF GREENSBORO RESPONSIBLE FOR ADA COMPLIANCE OF PEDESTRIAN CROSSINGS ACROSS RAILROAD.
 - 13) NO EXCAVATION IS PERMITTED WITHIN 10' OF TRACK CENTERLINE AND ANY SHORING WITHIN 14' OF TRACK CENTERLINE SHALL BE LEFT IN PLACE AND CUT OFF 2' BELOW GRADE. THE CONTRACTOR SHALL SUBMIT A SHORING SUBMITTAL FOR REVIEW AND APPROVAL.
 - 14) TRENCH BOXES ARE NOT PERMITTED FOR SHORING SYSTEMS IN THE RAILROAD EMBANKMENT.

-Y1- CURVE DATA			-DR1- CURVE DATA			-DR2- CURVE DATA		
PI Sta 13+110.0	PI Sta 14+81.89	PI Sta 17+08.11	PI Sta 11+02.37	PI Sta 12+85.48	PI Sta 12+85.48	PI Sta 12+85.48	PI Sta 12+85.48	PI Sta 12+85.48
$\Delta = 29^{\circ} 40' 23.3''$ (LT)	$\Delta = 17^{\circ} 58' 27.7''$ (LT)	$\Delta = 55^{\circ} 59' 05.7''$ (RT)	$\Delta = 57^{\circ} 26' 08.1''$ (LT)	$\Delta = 32^{\circ} 14' 58.4''$ (RT)	$\Delta = 32^{\circ} 14' 58.4''$ (RT)	$\Delta = 32^{\circ} 14' 58.4''$ (RT)	$\Delta = 32^{\circ} 14' 58.4''$ (RT)	$\Delta = 32^{\circ} 14' 58.4''$ (RT)
D = 19' 05' 54.9"	D = 9' 32' 57.5"	D = 22' 55' 05.9"	D = 143' 14' 22.0"	D = 143' 14' 22.0"	D = 143' 14' 22.0"	D = 143' 14' 22.0"	D = 143' 14' 22.0"	D = 143' 14' 22.0"
L = 155.37'	L = 188.23'	L = 244.28'	L = 401.0'	L = 106.94'	L = 106.94'	L = 106.94'	L = 106.94'	L = 106.94'
T = 79.47'	T = 94.89'	T = 132.89'	T = 219.2'	T = 54.93'	T = 54.93'	T = 54.93'	T = 54.93'	T = 54.93'
R = 300.00'	R = 600.00'	R = 250.00'	R = 40.00'	R = 190.00'	R = 190.00'	R = 190.00'	R = 190.00'	R = 190.00'
e = 2.0%	e = NC	e = 4.0%	e = 2.0%	e = 2.0%	e = 2.0%	e = 2.0%	e = 2.0%	e = 2.0%
RUNOFF = 60'	RUNOFF = N/A	RUNOFF = 120'	RUNOFF = 60'	RUNOFF = 60'	RUNOFF = 60'	RUNOFF = 60'	RUNOFF = 60'	RUNOFF = 60'

BEGIN CONSTRUCTION
-L- STA. 10+70.00

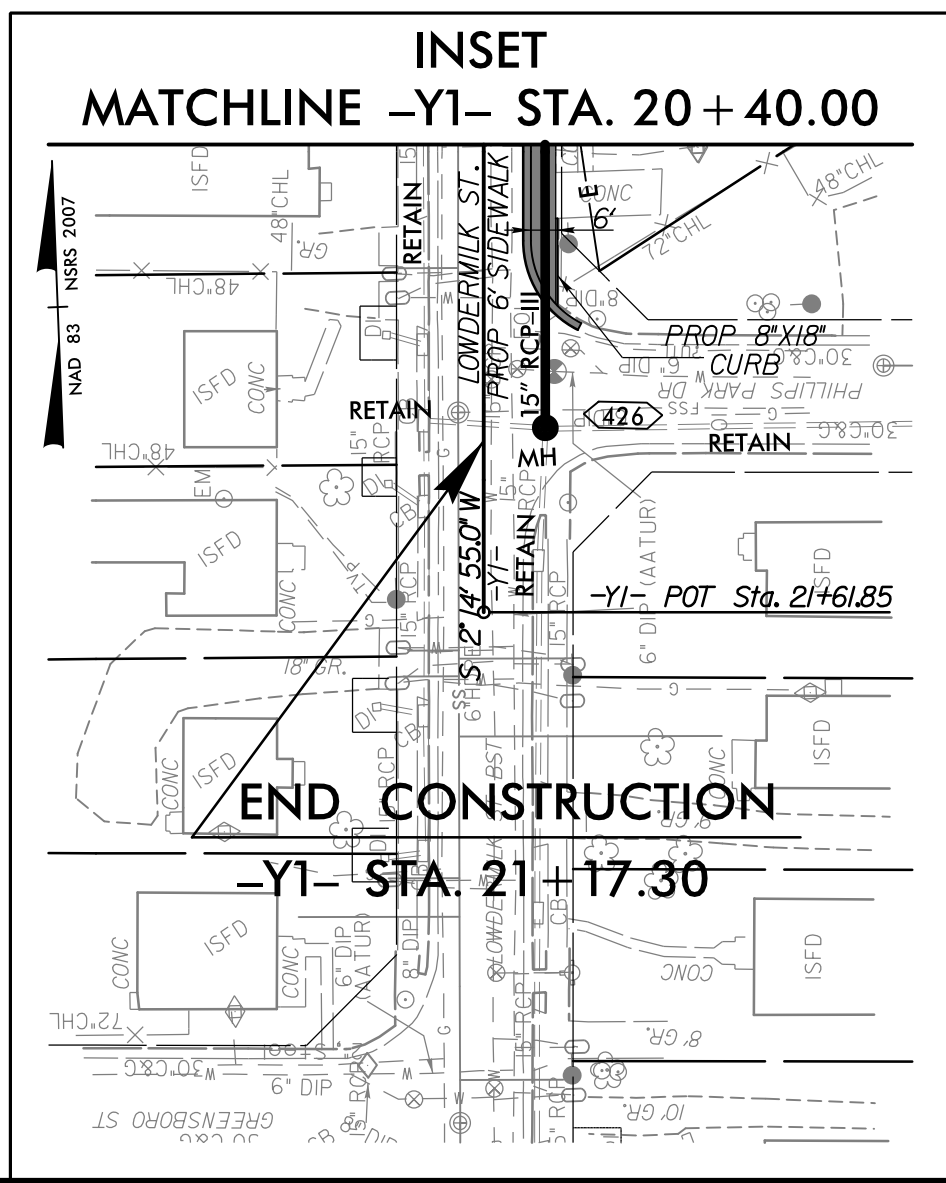
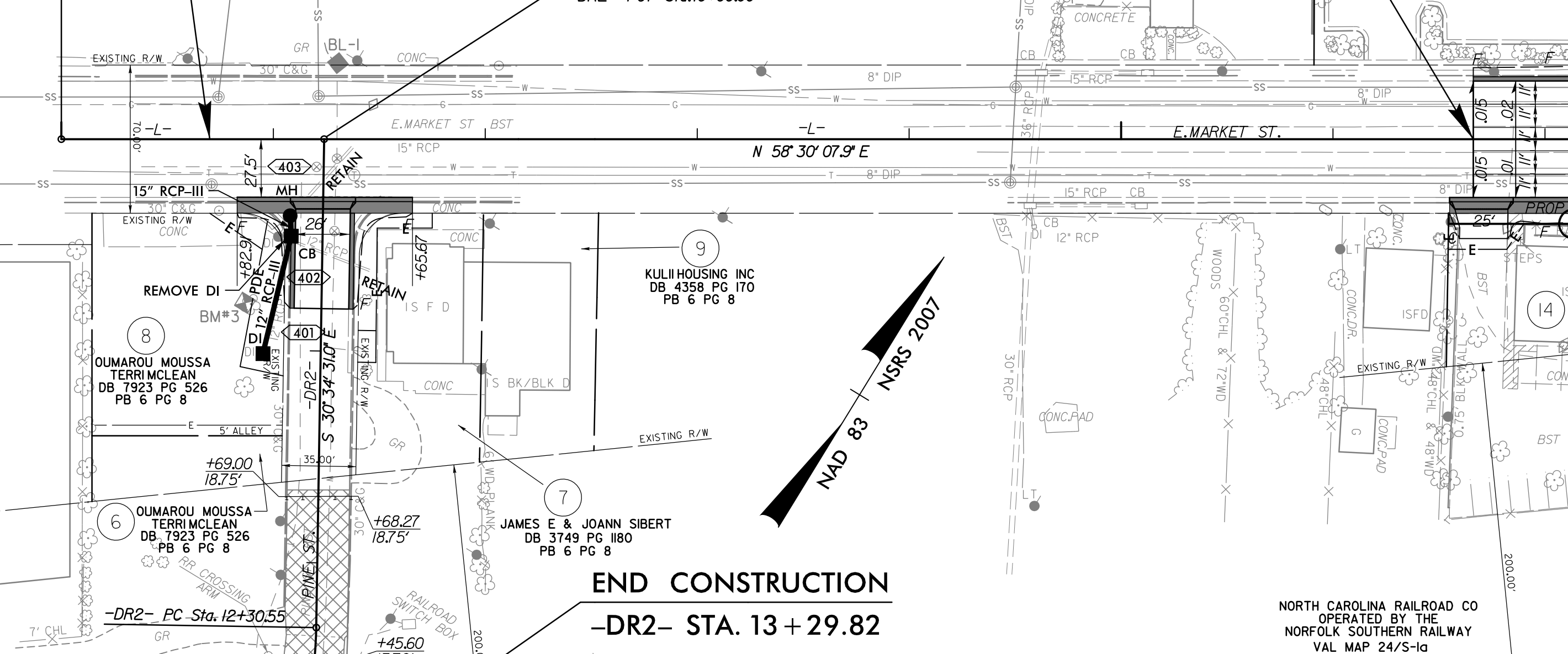
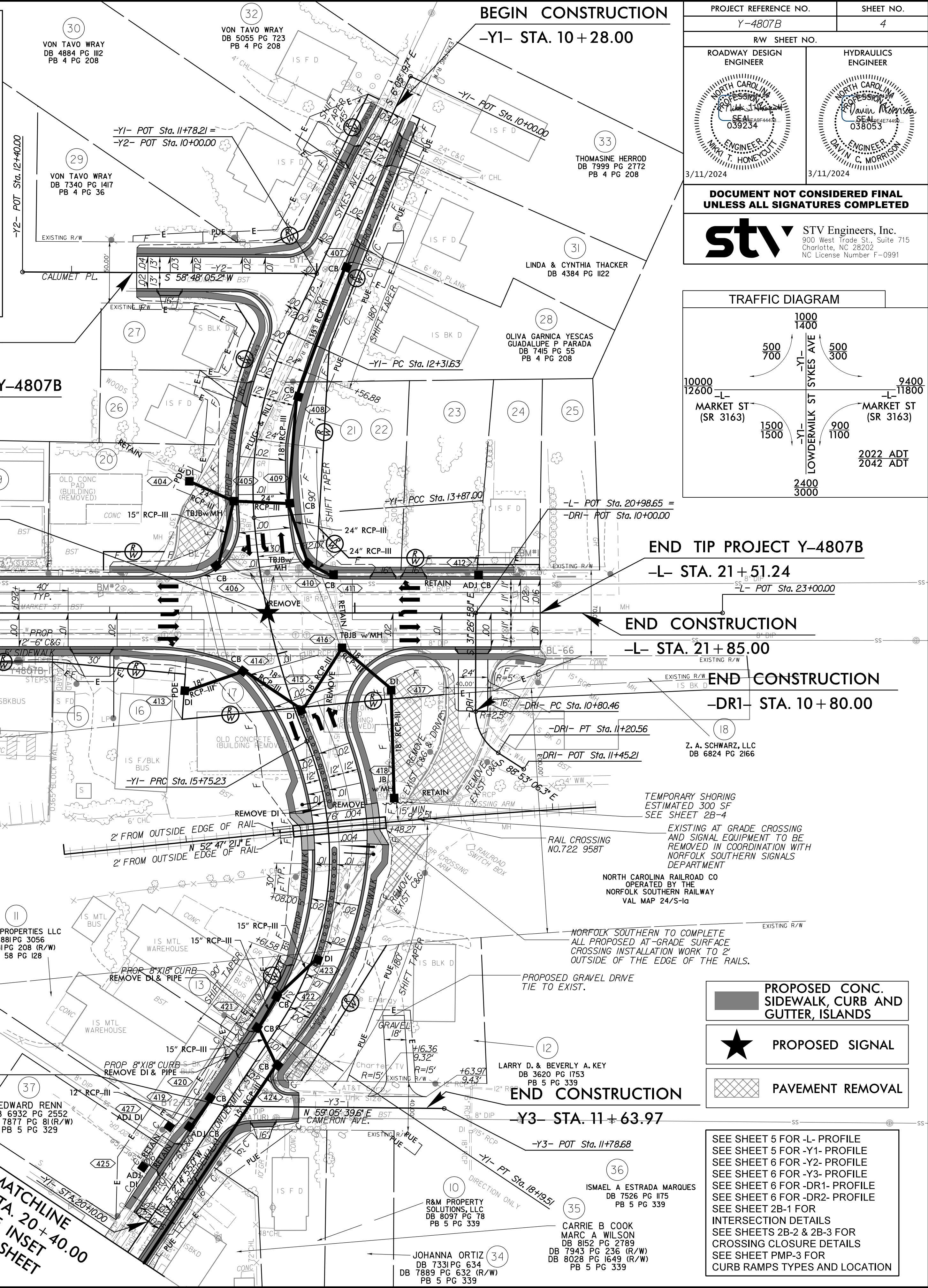
BEGIN TIP PROJECT Y-4807B
-Y1- STA. 10+28.00

END CONSTRUCTION
-DR2- STA. 13+29.82

BEGIN CONSTRUCTION
-Y1- STA. 10+28.00

END CONSTRUCTION
-Y2- STA. 11+50.00

BEGIN TIP PROJECT Y-4807B
-L- STA. 16+66.17



PROJECT REFERENCE NO. Y-4807B SHEET NO. 4

R/W SHEET NO.

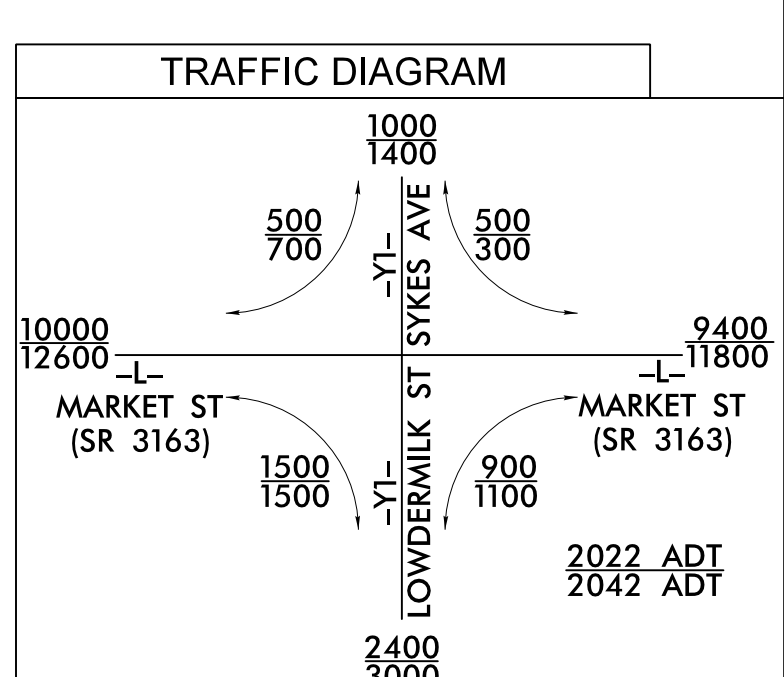
ROADWAY DESIGN ENGINEER: [Signature]

HYDRAULICS ENGINEER: [Signature]

DATE: 3/11/2024

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STV STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991



END TIP PROJECT Y-4807B
-L- STA. 21+51.24

END CONSTRUCTION
-L- STA. 21+85.00

END CONSTRUCTION
-DR1- STA. 10+80.00

Z. A. SCHWARZ, LLC
DB 6824 PG 2166

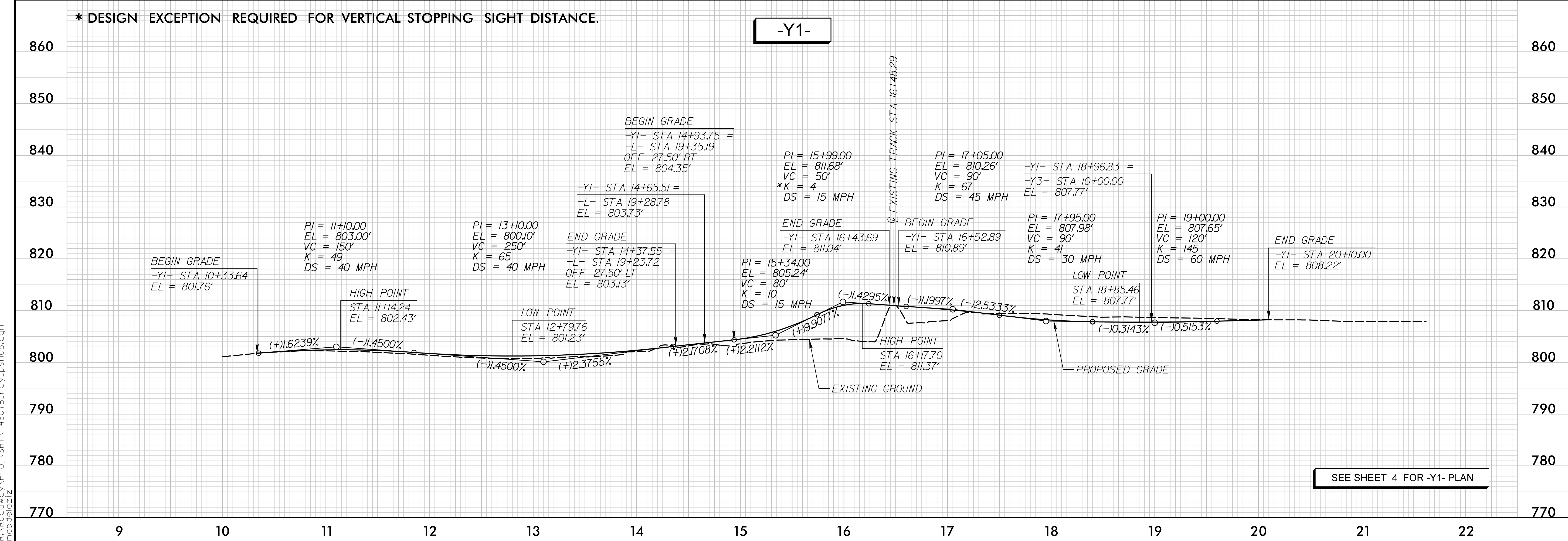
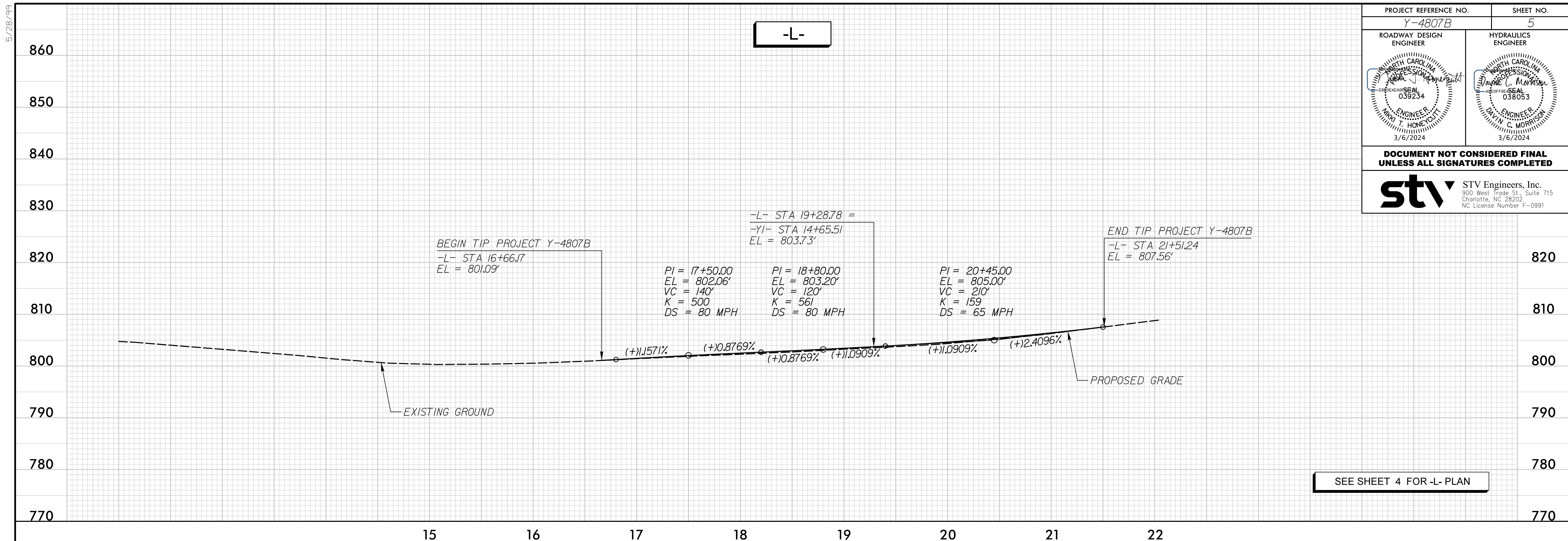
PROPOSED CONC. SIDEWALK, CURB AND GUTTER, ISLANDS

PROPOSED SIGNAL

PAVEMENT REMOVAL

SEE SHEET 5 FOR -L- PROFILE
SEE SHEET 5 FOR -Y1- PROFILE
SEE SHEET 6 FOR -Y2- PROFILE
SEE SHEET 6 FOR -Y3- PROFILE
SEE SHEET 6 FOR -DR1- PROFILE
SEE SHEET 6 FOR -DR2- PROFILE
SEE SHEET 2B-1 FOR INTERSECTION DETAILS
SEE SHEETS 2B-2 & 2B-3 FOR CROSSING CLOSURE DETAILS
SEE SHEET PMP-3 FOR CURB RAMPS TYPES AND LOCATION

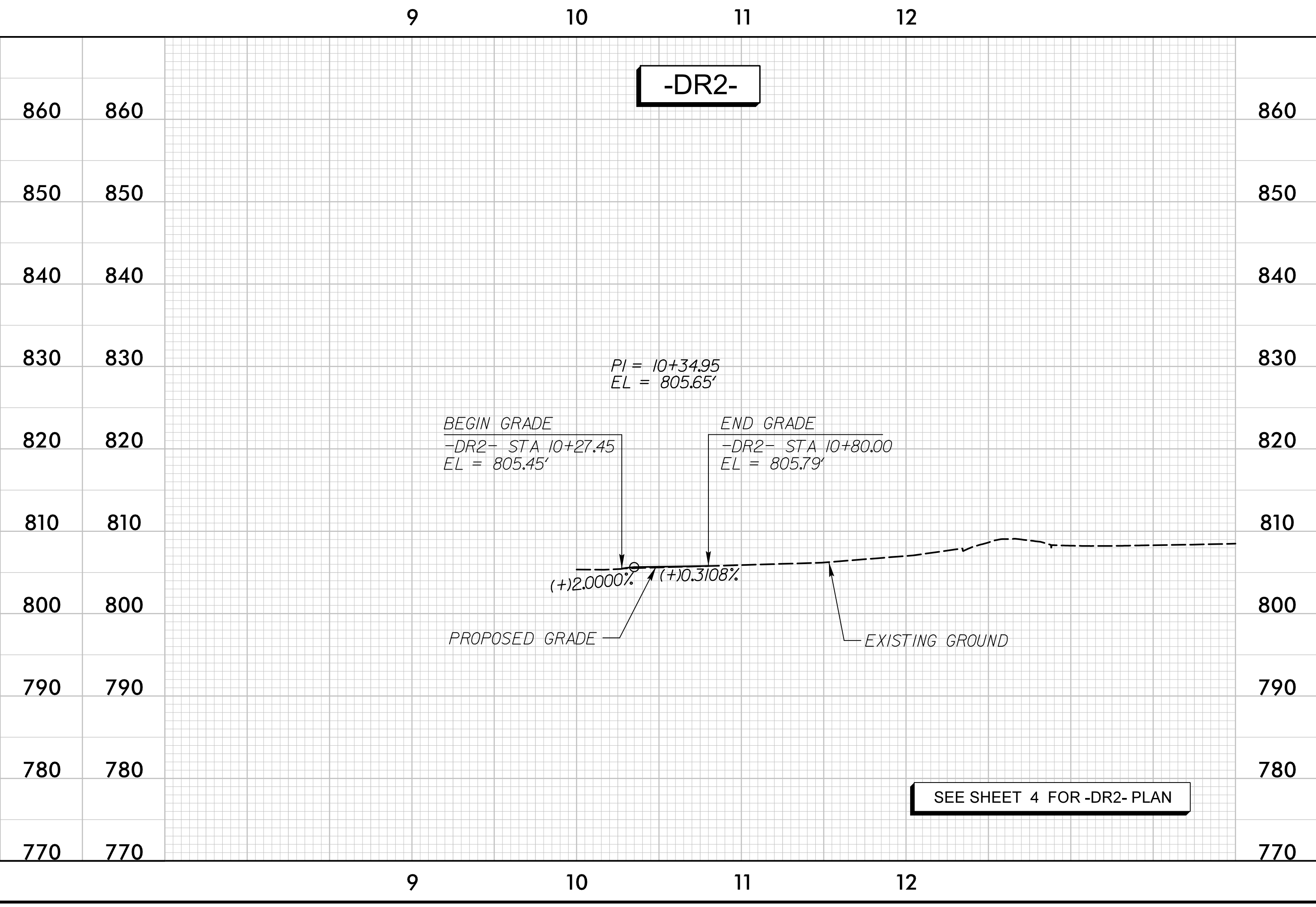
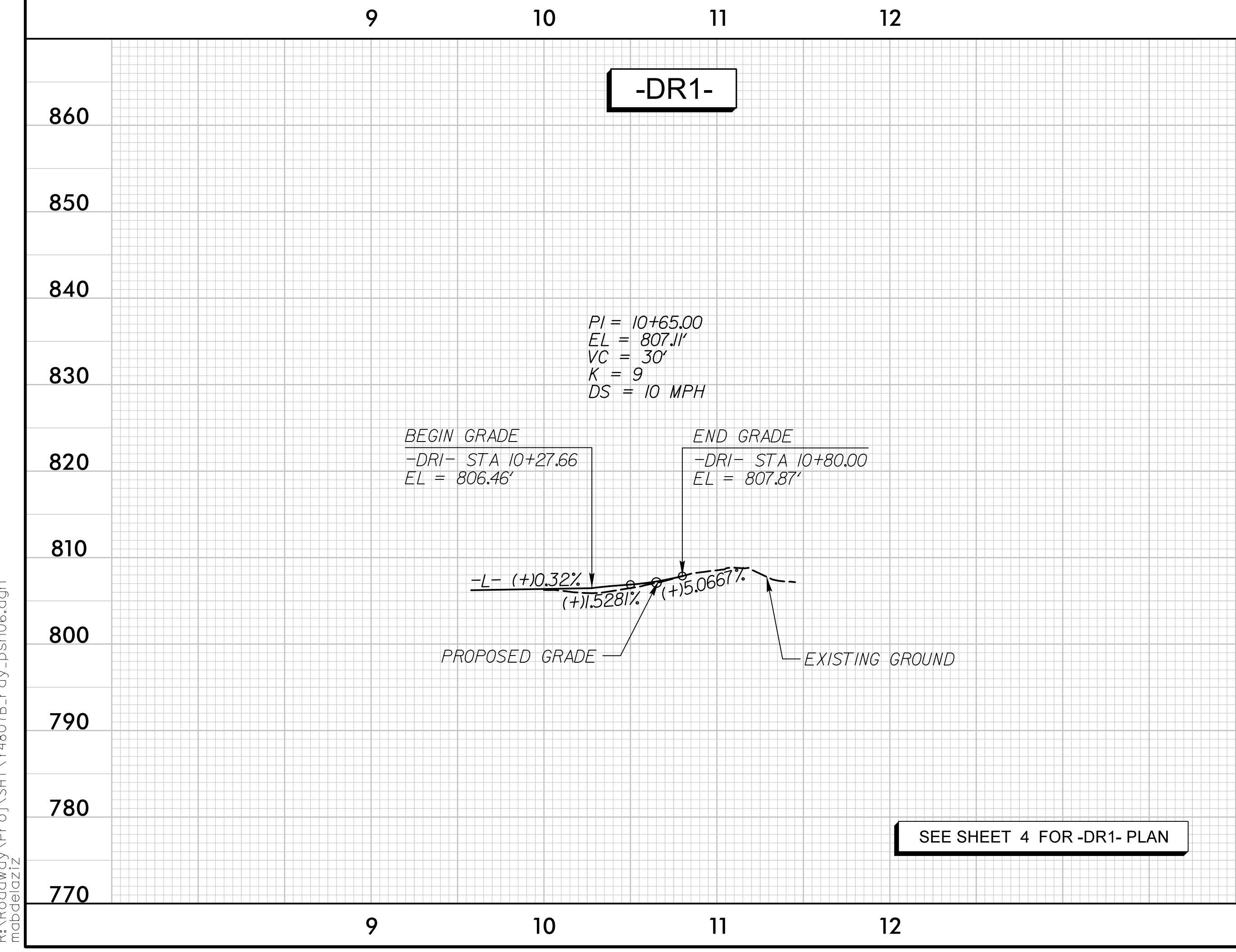
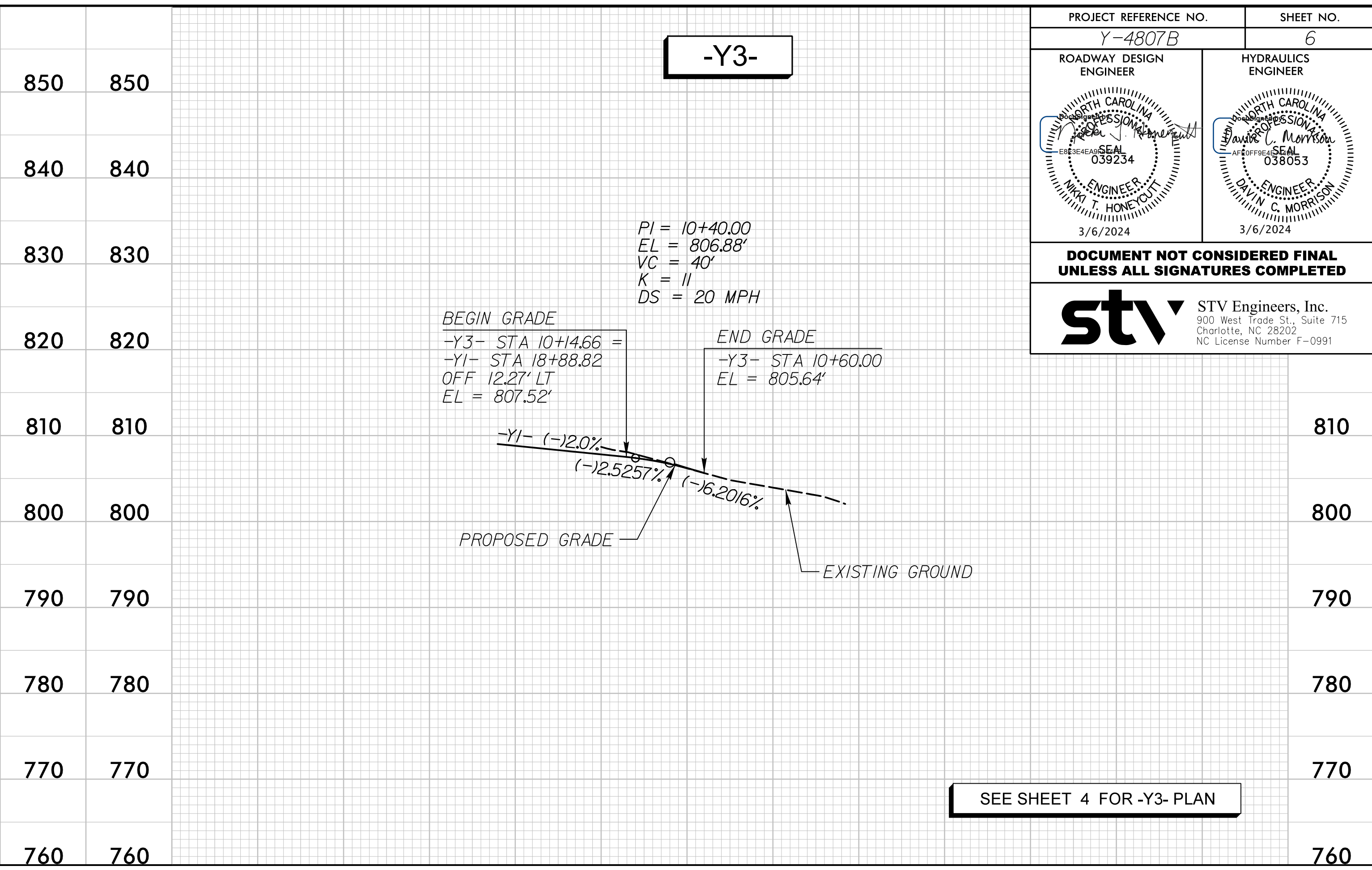
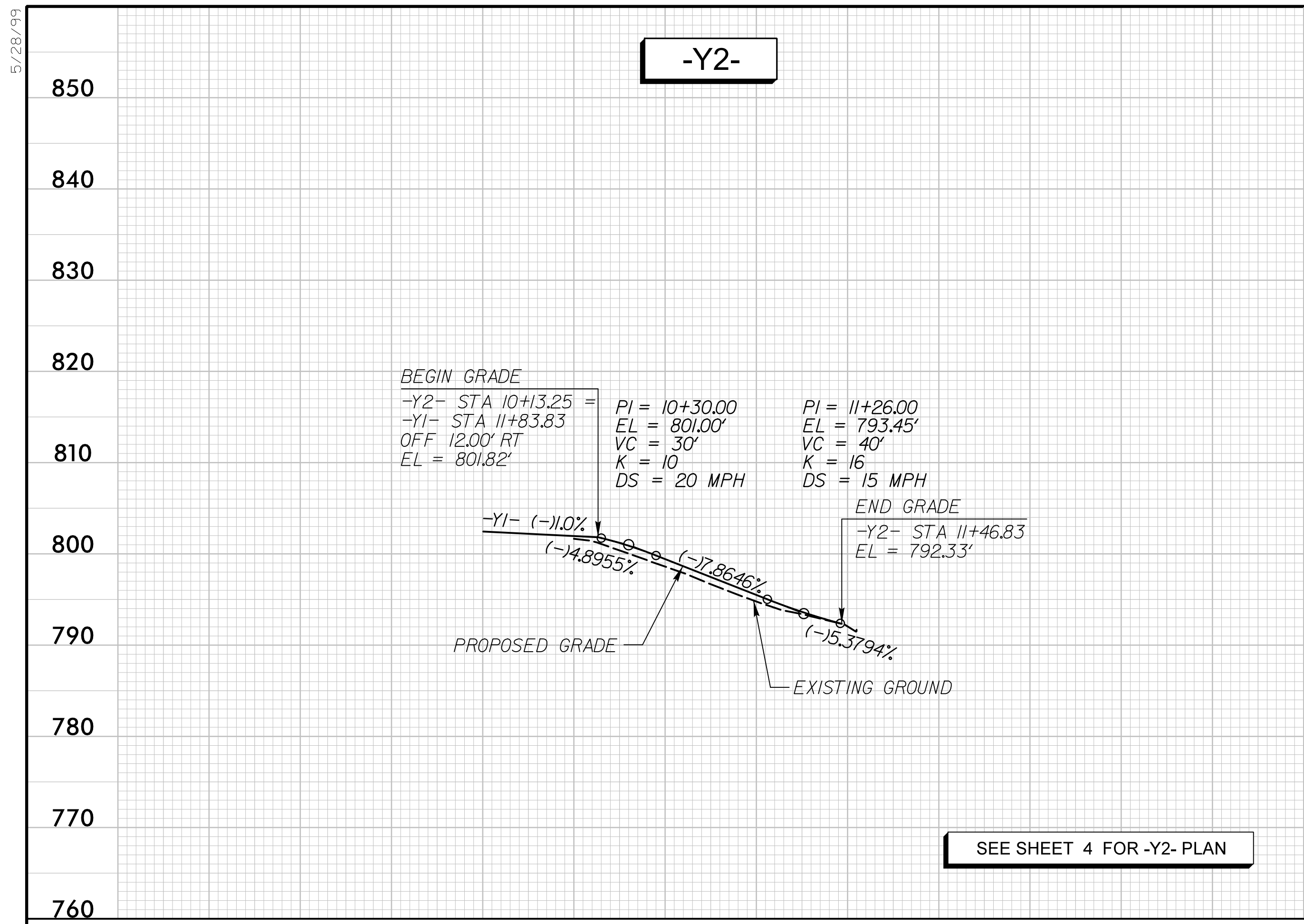
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