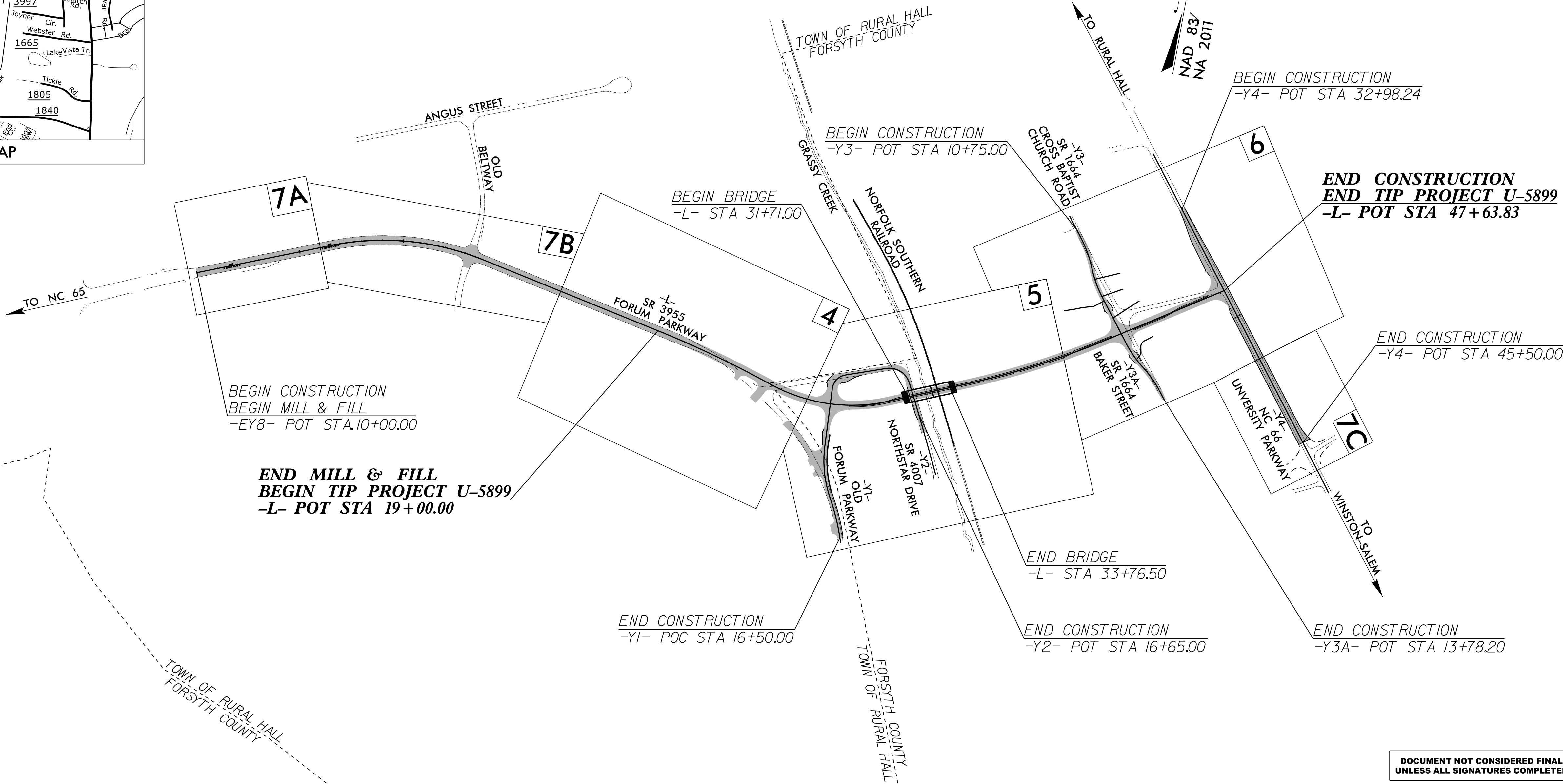


CONTRACT: C205041

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

FORSYTH COUNTY

TYPE OF WORK: GRADING, PAVING, DRAINAGE, AND STRUCTURE



ADT 2024 = 6,100
ADT 2044 = 7,300
K = 7 %
D = 70 %
T = 13 % *
V = 40 MPH
* TTST = 8% DUAL 5%
FUNC CLASS =
LOCAL
DIVISION TIER

TOTAL PROJECT LENGTH BASED ON -L- STATIONS.

LETTING DATE:
JUNE 17, 2025

CONNIE JAMES, PE
NCDOT DIVISION
PROJECT ENGINEER

Seal of the North Carolina Professional Engineer, Seal 34364, dated 27-Mar-2017, signed by Trenton J. Cormier, P.E.

M 930 Main Campus Drive, Suite 20
M Raleigh, NC 27606
MOTT (919) 552-2253
MACDONALD www.mottmac.com

LICENSE NO. F-0669

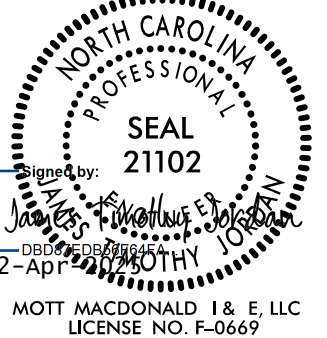
8/17/99

4/2/2025
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iso-jordan

GENERAL NOTES		
GENERAL NOTES:	2024 SPECIFICATIONS	EFFECTIVE: 01-16-24
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 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.		
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. 848.02 USING 3 FOOT RADII OR RADII AS SHOWN ON THE PLANS. LOCATIONS OF DRIVES WILL BE AS SHOWN ON THE 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".		
END BENTS:		
THE ENGINEER SHALL CHECK THE STRUCTURE END BENT PLANS, DETAILS, AND CROSS-SECTION PRIOR TO SETTING OF THE SLOPE STAKES FOR THE EMBANKMENT OR EXCAVATION APPROACHING A BRIDGE.		
UTILITIES:		
UTILITY OWNERS ON THIS PROJECT ARE AT&T, DUKE ENERGY, CHARTER, PNG, WINDSTREAM COMMUNICATION AND WINSTON SALEM FORSYTH COUNTY UTILITIES COMMISSION (WATER & SEWER).		
ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS, EXCEPT AS SHOWN ON THE PLANS.		
RIGHT-OF-WAY MARKERS:		
ALL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY CONTRACT.		

LIST OF ROADWAY STANDARD DRAWINGS	
2024 ROADWAY ENGLISH STANDARD DRAWINGS	
EFF. 01-16-2024	
The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch – N. C. Department of Transportation – Raleigh, N. C., Dated January 16, 2024 are applicable to this project and by reference hereby are considered a part of these plans:	
STD.NO.	TITLE
DIVISION 2 – EARTHWORK	
200.03	Method of Clearing – Method III
225.02	Guide for Grading Subgrade – Secondary and Local
225.04	Method of Obtaining Superelevation – Two Lane Pavement
225.06	Method of Grading Sight Distance at Intersections
275.01	Rock Plating
DIVISION 3 – PIPE CULVERTS	
310.10	Driveway Pipe Construction
DIVISION 4 – SUBGRADE, BASES AND SHOULDERS	
423.03	Bridge Approach Fills – Type 2 Approach Fill for Bridge Abutment with MSE Wall
423.04	Bridge Approach Fills – Type 2A Approach Fill for Intergral Bridge Abutment with MSE Wall
DIVISION 5 – SUBGRADE, BASES AND SHOULDERS	
560.01	Method of Shoulder Construction – High Side of Superelevated Curve – Method I
DIVISION 6 – ASPHALT BASES AND PAVEMENTS	
610.04	Guide for Paving Shoulders Under Bridges – Method IV
654.01	Pavement Repairs
DIVISION 8 – INCIDENTALS	
806.01	Concrete Right-of-Way Marker
806.02	Granite Right-of-Way Marker
815.02	Subsurface Drain
838.01	Concrete Endwall for Single and Double Pipe Culverts – 15" thru 48" Pipe 90 Skew
838.11	Brick Endwall for Single and Double Pipe Culverts – 15" thru 48" Pipe 90 Skew
840.00	Concrete Base Pad for Drainage Structures
840.01	Brick Catch Basin – 12" thru 54" Pipe
840.02	Concrete Catch Basin – 12" thru 54" Pipe
840.03	Frame, 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
840.17	Concrete Grated Drop Inlet Type 'A' – 12" thru 72" Pipe
840.18	Concrete Grated Drop Inlet Type 'B' – 12" thru 36" Pipe
840.24	Frames and Narrow Slot Sag Grates
840.25	Anchorage for Frames – Brick or Concrete or Precast
840.26	Brick Grated Drop Inlet Type 'A' – 12" thru 72" Pipe
840.27	Brick Grated Drop Inlet Type 'B' – 12" thru 36" Pipe
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
840.35	Traffic Bearing Grated Drop Inlet – for Cast Iron Double Frame and Grates
840.37	Steel Grate and Frame
840.45	Precast Drainage Structure
840.46	Traffic Bearing Precast Drainage Structure
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
846.04	Drop Inlet Installation in Shoulder Berm Gutter
848.02	Driveway Turnout – Radius Type
848.04	Street Turnout
852.01	Concrete Islands
852.06	Method for Placement of Drop Inlets in Concrete Islands
852.10	Median Construction – with Curb and Gutter
857.01	Precast Reinforced Concrete Barrier – 41" Single Faced
862.01	Guardrail Placement
862.02	Guardrail Installation
862.03	Structure Anchor Units
862.04	Anchoring End of Guardrail – B-77 and B-83 Anchor Units
876.01	Rip Rap in Channels and Ditches
876.02	Guide for Rip Rap at Pipe Outlets
876.04	Drainage Ditches with Class 'B' Rip Rap

INDEX OF SHEETS	
SHEET NUMBER	DESCRIPTION
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES AND LIST OF STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
2A-1 THRU 2A-3	PAVEMENT SCHEDULE AND TYPICAL SECTIONS
2B-1 THRU 2B-2	INTERSECTION DETAILS
2B-3	DRIVEWAY ALIGNMENT DETAIL
2B-4	SHEARPOINT DIAGRAM
2B-5	STRUCTURE /RETAINING WALL DETAIL
2C-1 THRU 2C-2	METHOD OF PIPE INSTALLATION DETAILS
2C-3	MEDIAN CURB FOR TBDI (FOR USE WITH 2'-9" CURB & GUTTER)
2C-4 THRU 2C-6	GUARDRAIL PLACEMENT DETAILS
2C-7	DETAIL OF SHOULDER BERM GUTTER TO 2'-6" CURB GUTTER TRANSITION SECTION
2C-8	DETAIL OF TRANSITION SECTION FOR 2'-9" CURB GUTTER TO ISLAND
2C-9	DETAIL OF TEMPORAY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURES
2D-1	DRAINAGE DETAILS
3B-1	EARTHWORK, GUARDRAIL, SHOULDER BERM GUTTER AND PAVEMENT REMOVAL & BREAKING SUMMARIES
3D-1 THRU 3D-4	DRAINAGE SUMMARY
3G-1	GEOTECHNICAL SUMMARY
3P-1	PARCEL INDEX SHEET
4 THRU 7	PLAN SHEETS
8 THRU 11	PROFILE SHEETS
RW-01 THRU RW-06	RIGHT OF WAY PLANS
TMP-1 THRU TMP-11	TRAFFIC MANAGEMENT PLANS
PMP-1 THRU PMP-7	PAVEMENT MARKING PLANS
EC-1 THRU EC-9	EROSION CONTROL PLANS
SIGN-1 THRU SIGN-8A	SIGNING PLANS
UC-1 THRU UC-8	UTILITY CONSTRUCTION PLANS
UO-1 THRU UO-4	UTILITIES BY OTHERS PLANS
X-1	CROSS SECTION INDEX
X-1A	CROSS SECTION SUMMARY
X-2 THRU X-36	CROSS-SECTIONS
S01-01 THRU S01-36	STRUCTURE PLANS
SN	STRUCTURE NOTES
W-1 THRU W-5	WALL PLANS

PROJECT REFERENCE NO.		SHEET NO.	
U-5899		1A	
ROADWAY DESIGN ENGINEER			
			
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Prepared in the Office of:		 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com	

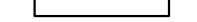
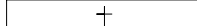
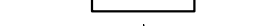
CONVENTIONAL PLAN SHEET SYMBOLS

Note: Not to Scale

BOUNDARIES AND PROPERTY:

State Line	
County Line	
Township Line	
City Line	
Reservation Line	
Property Line	
Existing Iron Pin (EIP)	
Computed Property Corner	
Existing Concrete Monument (ECM)	
Parcel/Sequence Number	
Existing Fence Line	
Proposed Woven Wire Fence	
Proposed Chain Link Fence	
Proposed Barbed Wire Fence	
Existing Wetland Boundary	
Proposed Wetland Boundary	
Existing Endangered Animal Boundary	
Existing Endangered Plant Boundary	
Existing Historic Property Boundary	
Known Contamination Area: Soil	
Potential Contamination Area: Soil	
Known Contamination Area: Water	
Potential Contamination Area: Water	
Contaminated Site: Known or Potential	

BUILDINGS AND OTHER CULTURE:

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

HYDROLOGY:

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

RAILROADS:

Standard Gauge	
RR Signal Milepost	
Switch	
RR Abandoned	
RR Dismantled	

RIGHT OF WAY & PROJECT CONTROL:

Primary Horiz Control Point	
Primary Horiz and Vert Control Point	
Secondary Horiz and Vert Control Point	
Vertical Benchmark	
Existing Right of Way Monument	
Proposed Right of Way Monument (Rebar and Cap)	
Proposed Right of Way Monument (Concrete)	
Existing Permanent Easement Monument	
Proposed Permanent Easement Monument (Rebar and Cap)	
Existing C/A Monument	
Proposed C/A Monument (Rebar and Cap)	
Proposed C/A Monument (Concrete)	
Existing Right of Way Line	
Proposed Right of Way Line	
Existing Control of Access Line	
Proposed Control of Access Line	
Proposed ROW and CA Line	
Existing Easement Line	
Proposed Temporary Construction Easement	
Proposed Temporary Drainage Easement	
Proposed Permanent Drainage Easement	
Proposed Permanent Drainage/Utility Easement	
Proposed Permanent Utility Easement	
Proposed Temporary Utility Easement	
Proposed Aerial Utility Easement	

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	
Existing Curb	
Proposed Slope Stakes Cut	
Proposed Slope Stakes Fill	
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:

* SUE – Subsurface Utility Engineering
LOS – Level of Service – A,B,C or D (Accuracy)

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 Test Hole (SUE – LOS A)*	
U/G Power Line (SUE – LOS B)*	
U/G Power Line (SUE – LOS C)*	
U/G Power Line (SUE – LOS D)*	

TELEPHONE:

Existing Telephone Pole	
Proposed Telephone Pole	
Telephone Manhole	
Telephone Pedestal	
Telephone Cell Tower	
U/G Telephone Cable Hand Hole	
U/G Telephone Test Hole (SUE – LOS A)*	
U/G Telephone Cable (SUE – LOS B)*	
U/G Telephone Cable (SUE – LOS C)*	
U/G Telephone Cable (SUE – LOS D)*	
U/G Telephone Conduit (SUE – LOS B)*	
U/G Telephone Conduit (SUE – LOS C)*	
U/G Telephone Conduit (SUE – LOS D)*	
U/G Fiber Optics Cable (SUE – LOS B)*	
U/G Fiber Optics Cable (SUE – LOS C)*	
U/G Fiber Optics Cable (SUE – LOS D)*	

WATER:

Water Manhole	
Water Meter	
Water Valve	
Water Hydrant	
U/G Water Line Test Hole (SUE – LOS A)*	
U/G Water Line (SUE – LOS B)*	
U/G Water Line (SUE – LOS C)*	
U/G Water Line (SUE – LOS D)*	
Above Ground Water Line	

TV:

TV Pedestal	
TV Tower	
U/G TV Cable Hand Hole	
U/G TV Test Hole (SUE – LOS A)*	
U/G TV Cable (SUE – LOS B)*	
U/G TV Cable (SUE – LOS C)*	
U/G TV Cable (SUE – LOS D)*	
U/G Fiber Optic Cable (SUE – LOS B)*	
U/G Fiber Optic Cable (SUE – LOS C)*	
U/G Fiber Optic Cable (SUE – LOS D)*	

GAS:

Gas Valve	
Gas Meter	
U/G Gas Line Test Hole (SUE – LOS A)*	
U/G Gas Line (SUE – LOS B)*	
U/G Gas Line (SUE – LOS C)*	
U/G Gas Line (SUE – LOS D)*	
Above Ground Gas Line	

SANITARY SEWER:

Sanitary Sewer Manhole	
Sanitary Sewer Cleanout	
U/G Sanitary Sewer Line	
Above Ground Sanitary Sewer	
SS Force Main Line Test Hole (SUE – LOS A)*	
SS Force Main Line (SUE – LOS B)*	
SS Force Main Line (SUE – LOS C)*	
SS Force Main Line (SUE – LOS D)*	

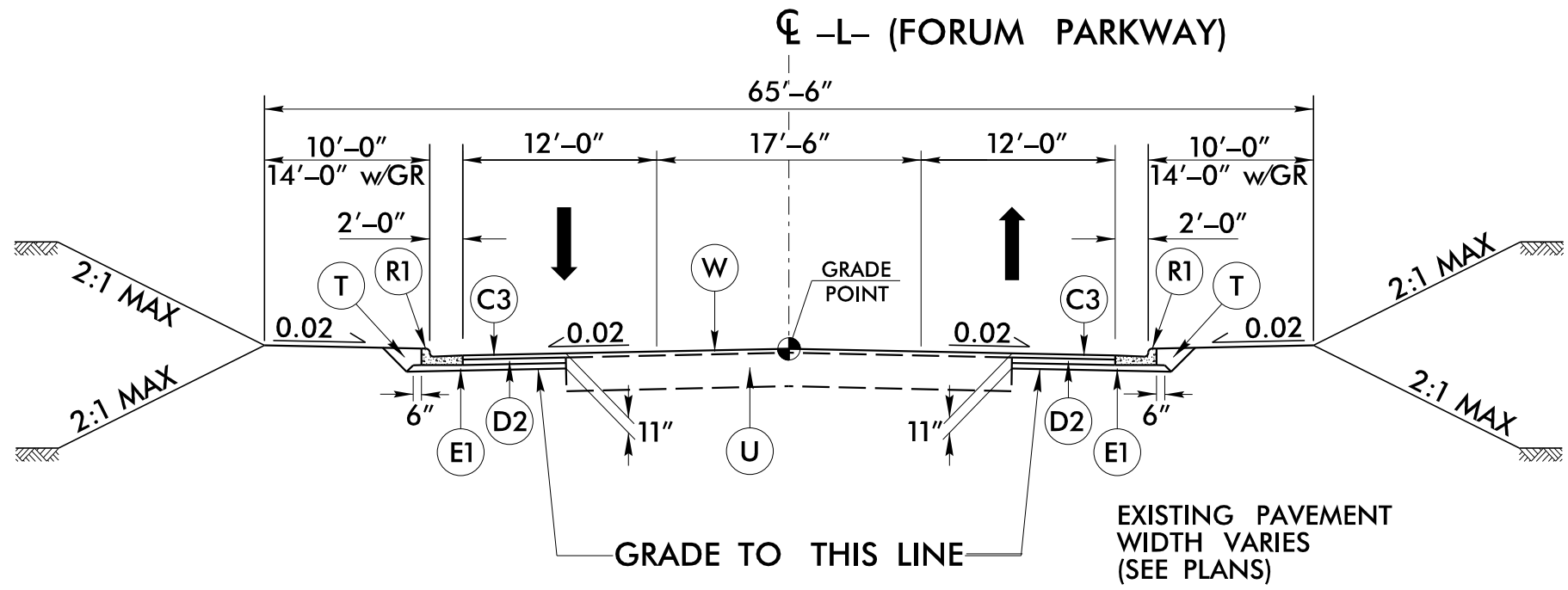
MISCELLANEOUS:

Utility Pole	
Utility Pole with Base	
Utility Located Object	
Utility Traffic Signal Box	
Utility Unknown U/G Line (SUE – LOS B)*	
U/G Tank; Water, Gas, Oil	
Underground Storage Tank, Approx. Loc.	
A/G Tank; Water, Gas, Oil	
Geoenvironmental Boring	
Abandoned According to Utility Records	
End of Information	

6/2/2019

PAVEMENT SCHEDULE (FINAL PAVEMENT DESIGN)					
A	6" PORTLAND CEMENT CONCRETE PAVEMENT (WITH WELDED WIRE MESH)	E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.	R3	5" MONOLITHIC ISLAND (KEYED IN).
C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.	E2	PROP. APPROX. 4½" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 513 LBS. PER SQ. YD.	R4	CONCRETE MEDIAN (STRUCTURE PAY ITEM)
C2	PROP. APPROX. 2½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.	E3	PROP. VAR. 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 4" IN DEPTH OR GREATER THAN 5½" IN DEPTH.	R5	SHOULDER BERM GUTTER
C3	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.	J	6" AGGREGATE BASE COURSE	R6	PRECAST REINFORCED CONCRETE BARRIER
C4	PROP. APPROX.1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.	K	CLASS IV SUBGRADE STABILIZATION MATERIAL	T	EARTH MATERIAL.
C5	PROP. VAR. 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" IN DEPTH OR GREATER THAN 1½" IN DEPTH.	N	GEOTEXTILE FOR SUBGRADE STABILIZATION	U	EXISTING PAVEMENT.
D1	PROP. APPROX. 2½" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.	P	PRIME COAT AT THE RATE OF .35 GAL. PER SQ. YD.	V1	MILLING BITUMINOUS PAVEMENT, 1½" DEPTH.
D2	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.	V2	MILLING BITUMINOUS PAVEMENT, 3" DEPTH.
D3	PROP. VAR. 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 2½" IN DEPTH OR GREATER THAN 4" IN DEPTH.	R2	2'-9" CONCRETE CURB AND GUTTER.	W	VARIABLE DEPTH ASPHALT PAVEMENT. (SEE WEDGING DETAIL NO. 1)

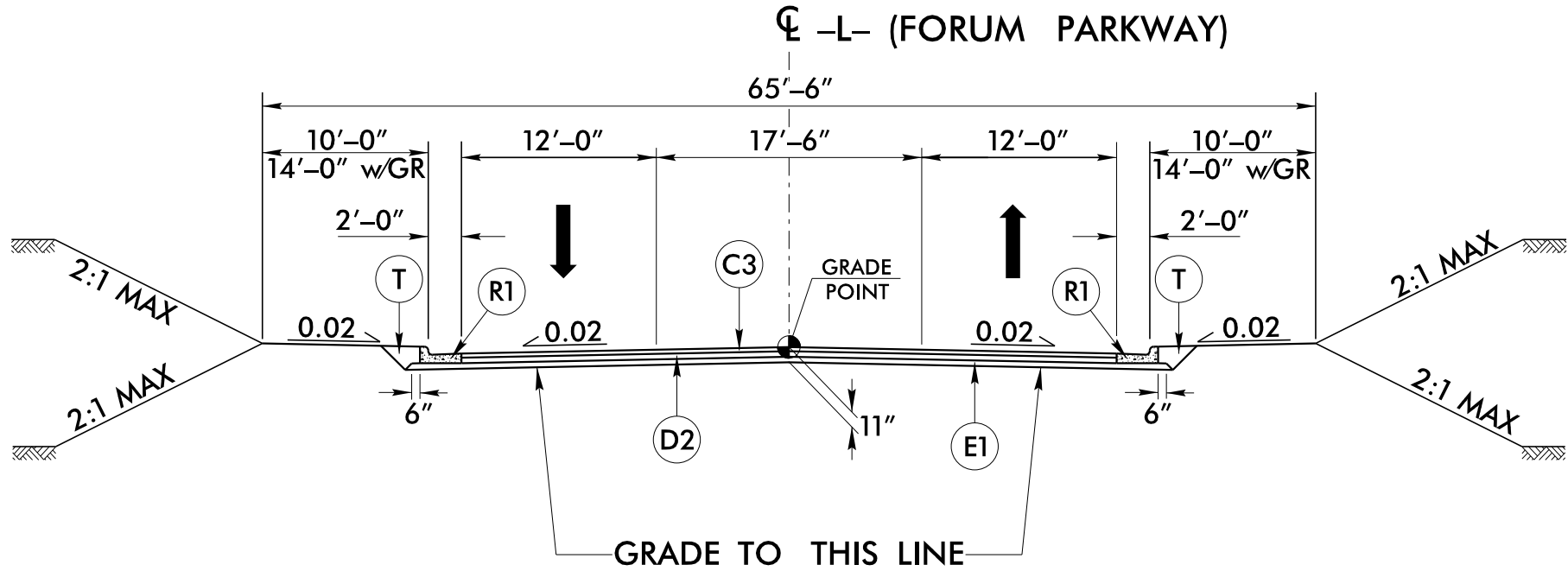
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



TYPICAL SECTION NO. 1

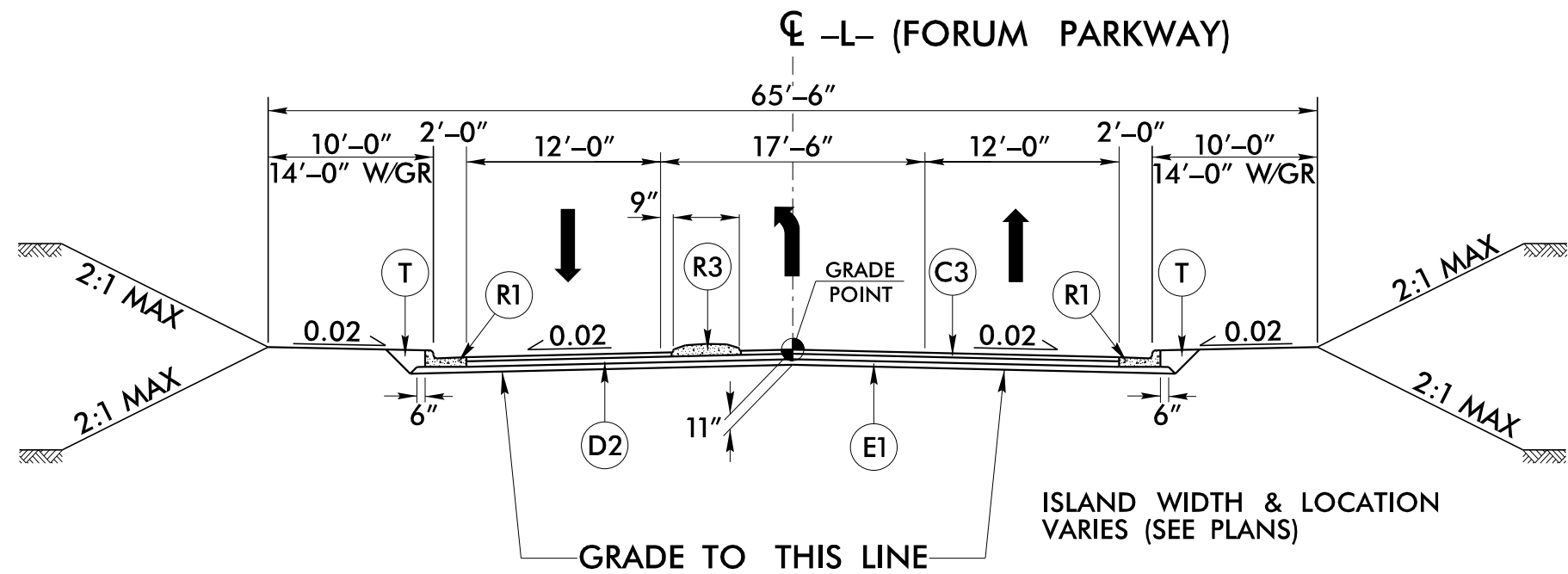
TRANSITION FROM EXISTING TO TYPICAL SECTION NO. 1:
-L- STA. 19+00.00 TO 19+50.00

USE TYPICAL SECTION NO. 1
-L- STA. 19+50.00 TO 23+64.39



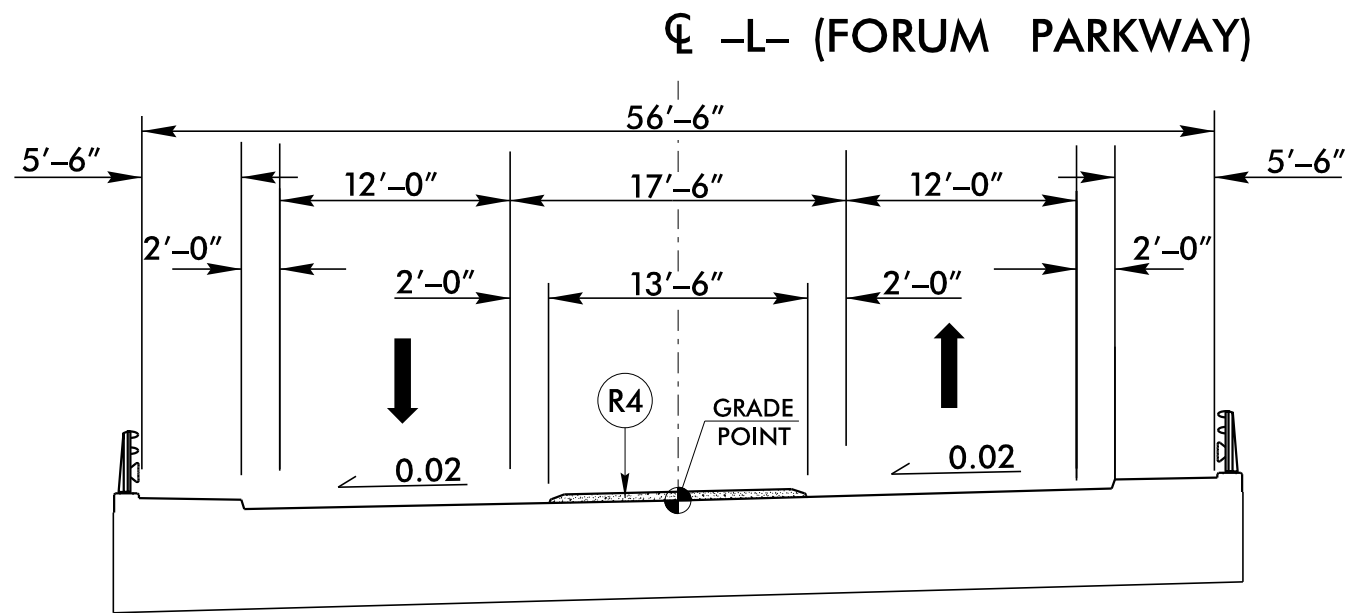
TYPICAL SECTION NO. 2

USE TYPICAL SECTION NO. 2
-L- STA. 23+64.39 TO 28+87.00
-L- STA. 41+82.00 TO 42+96.00



TYPICAL SECTION NO. 3

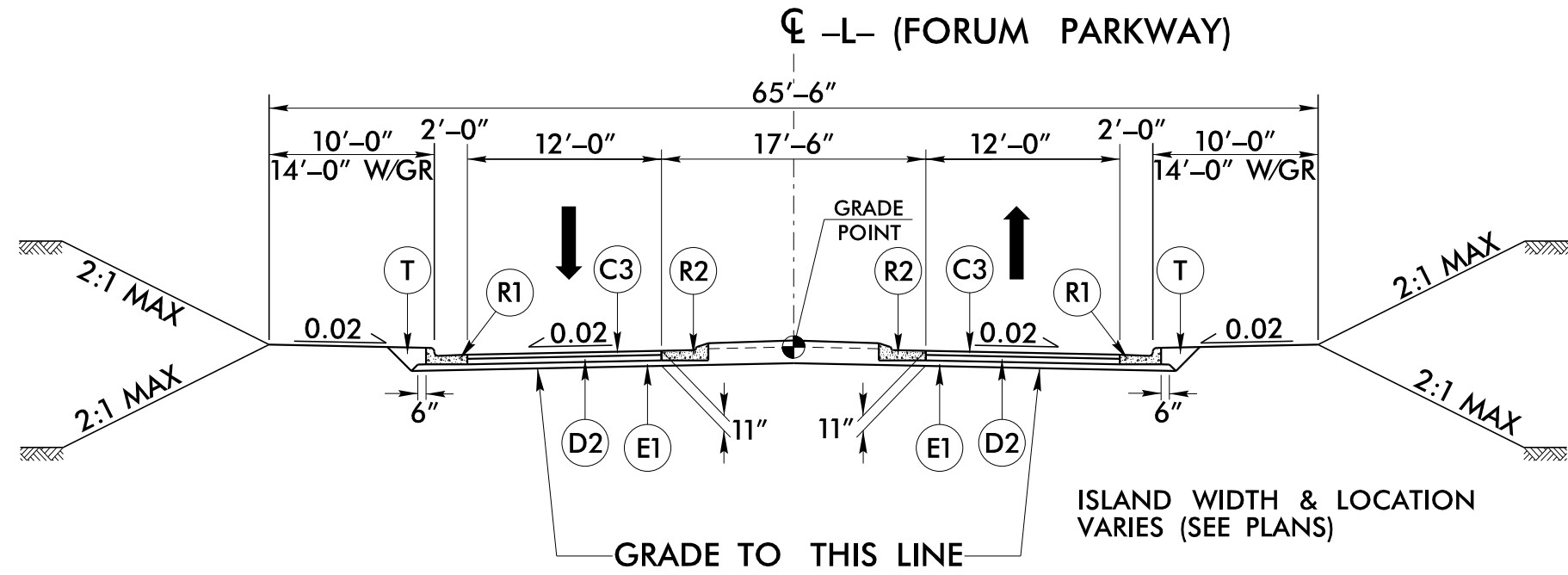
USE TYPICAL SECTION NO. 3
-L- STA. 28+87.00 TO 31+71.00 (BEGIN BRIDGE)
-L- STA. 40+32.00 TO 41+82.00
-L- STA. 42+96.00 TO 46+58.37 LT
-L- STA. 42+96.00 TO 46+84.88 RT



BRIDGE TYPICAL SECTION NO. 3A

USE TYPICAL SECTION NO. 3A
-L- STA. 31+71.00 TO 33+76.50

SEE STRUCTURE PLANS FOR CONSTRUCTION DETAILS

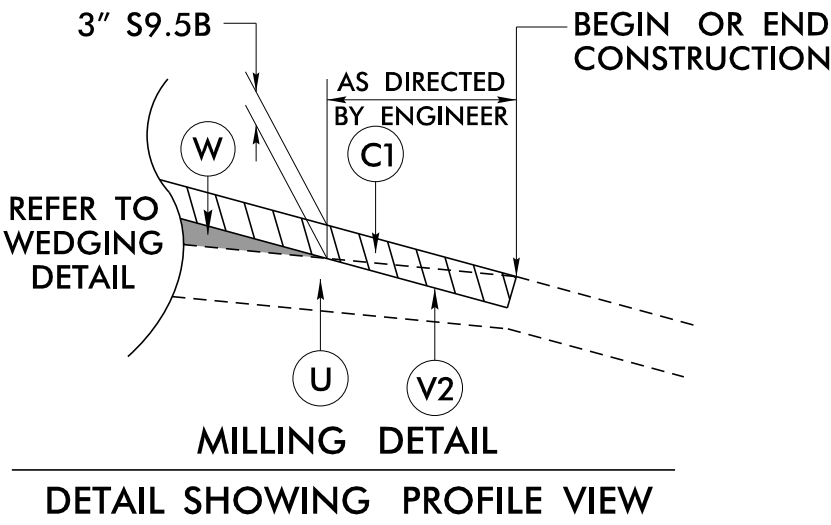


TYPICAL SECTION NO. 4

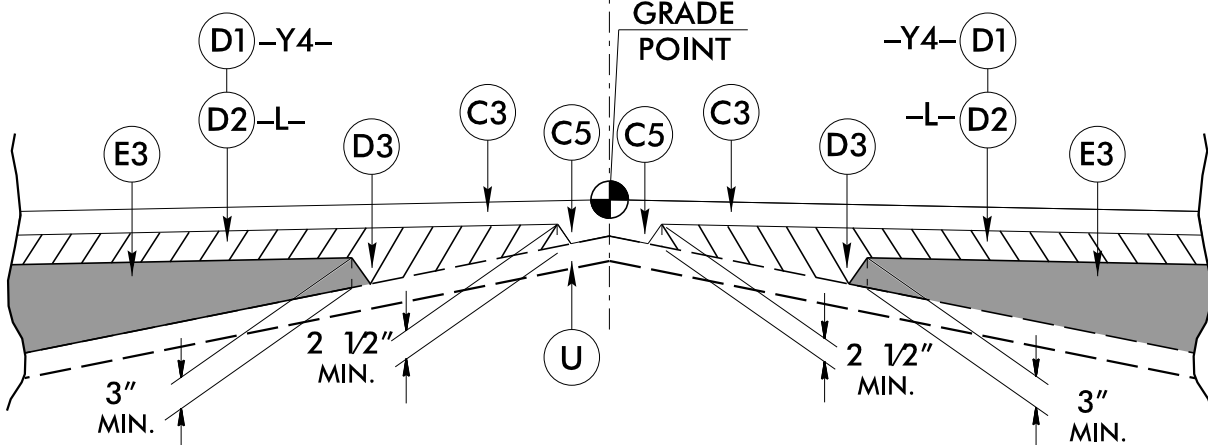
USE TYPICAL SECTION NO. 4
-L- STA. 33+76.50 (END BRIDGE) TO 39+32.00

TRANSITION FROM TYPICAL SECTION NO. 4 TO TYPICAL SECTION NO. 3:
-L- STA. 39+32.00 TO 40+32.00

PROJECT REFERENCE NO. <i>U-5899</i>	SHEET NO. <i>2A-1</i>
ROADWAY DESIGN ENGINEER <i>[Signature]</i> SEAL 21102 JAMES J. JAMES 07-APR-2019 MOTT MACDONALD, I & E, LLC LICENSE NO. F-0669	PAVEMENT DESIGN ENGINEER <i>[Signature]</i> SEAL 018969 JAMES J. JAMES 07-APR-2019 MOTT MACDONALD, I & E, LLC LICENSE NO. F-0669
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: M MOTT MACDONALD, I & E, LLC 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com	

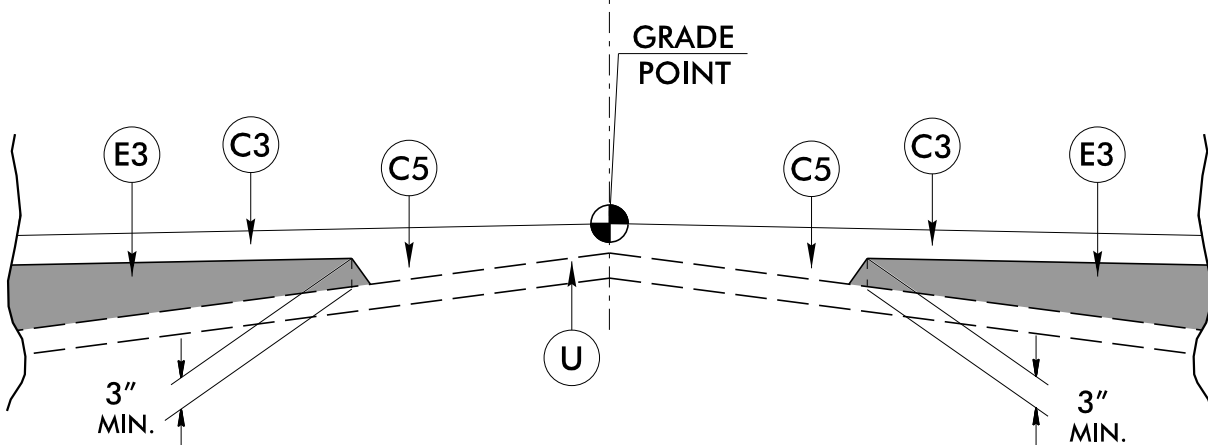


CL-L- & -Y4-

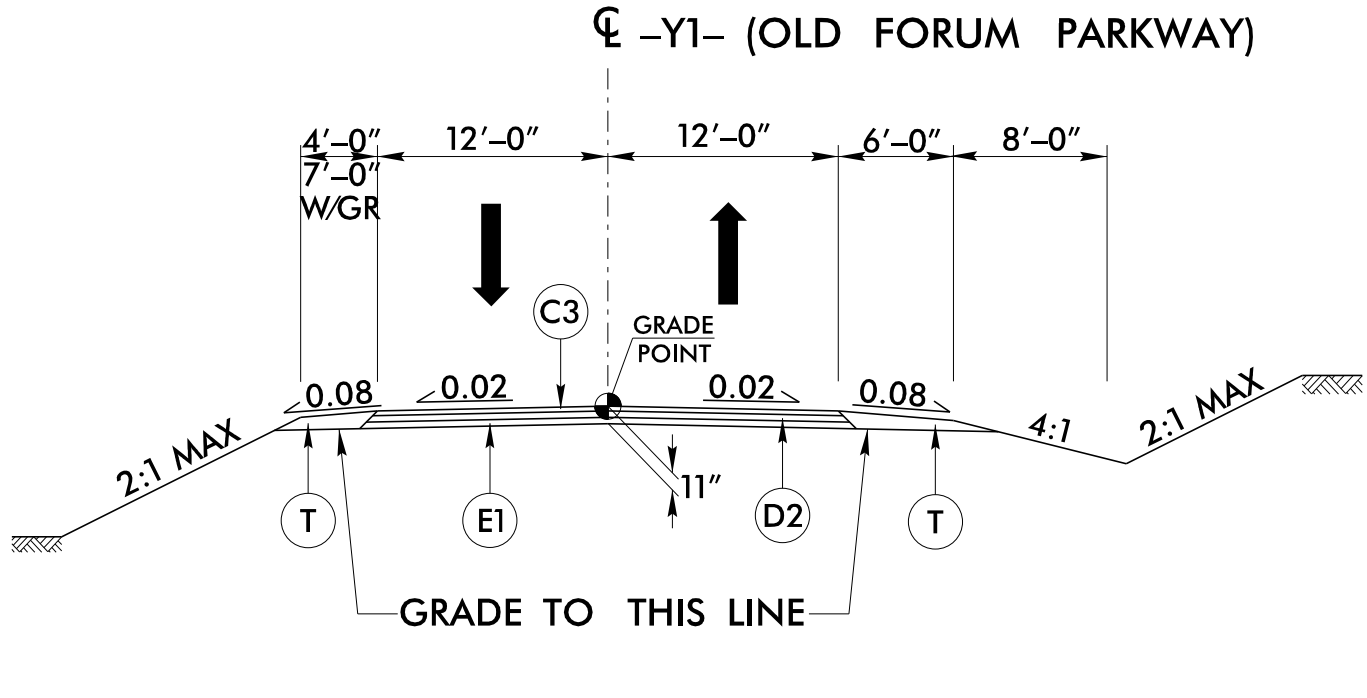


DETAIL SHOWING METHOD OF WEDGING

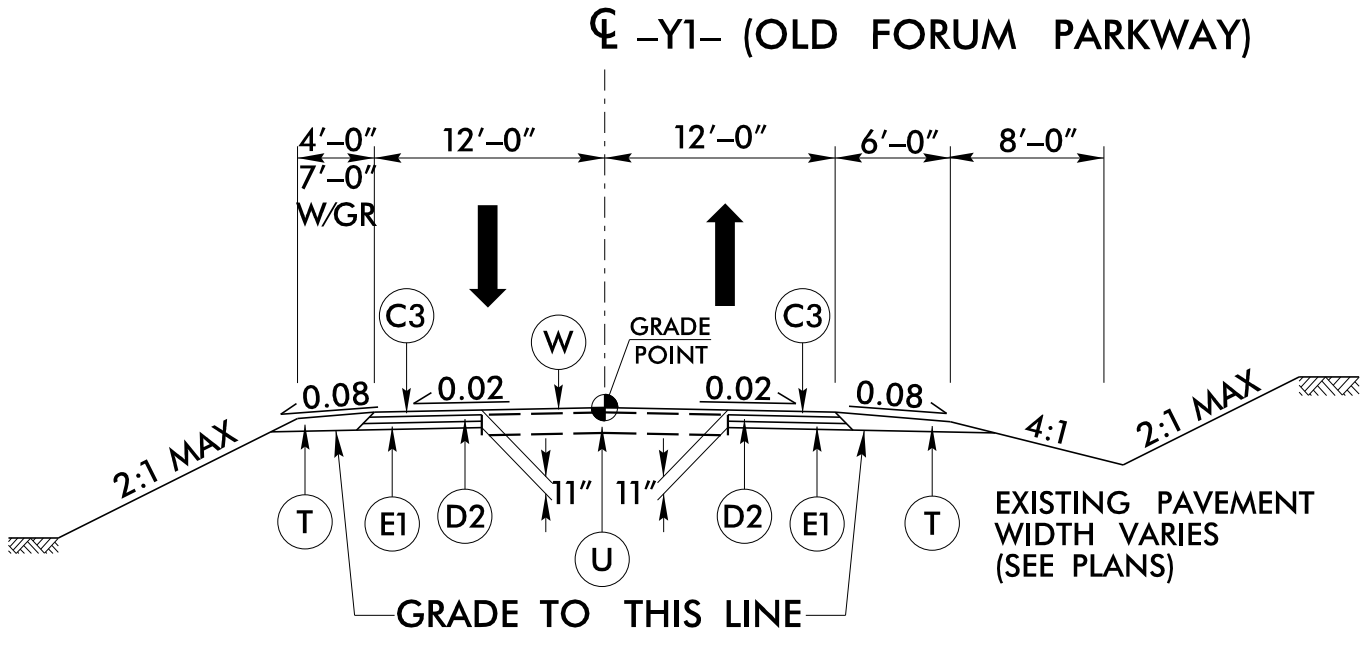
CL-Y2-, -Y3- & -Y3A-



DETAIL SHOWING METHOD OF WEDGING

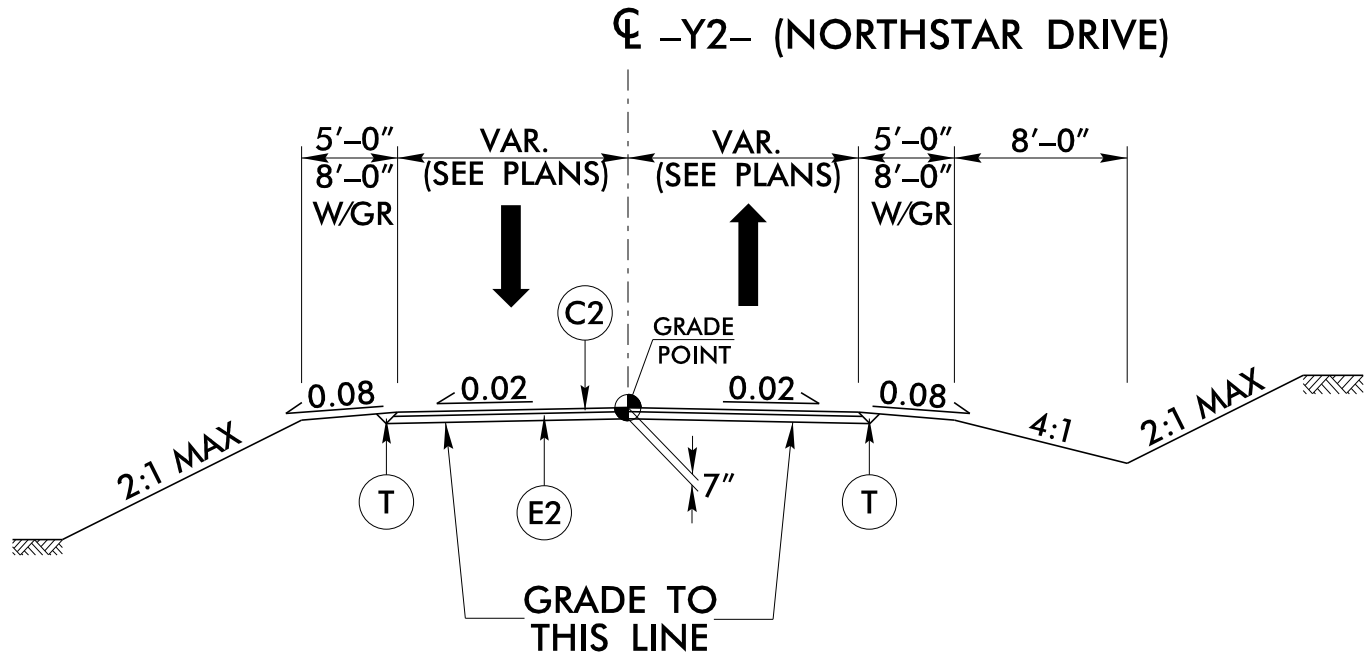


TYPICAL SECTION NO. 5
USE TYPICAL SECTION NO. 5
-Y1- STA. 12+00 TO 13+25.06

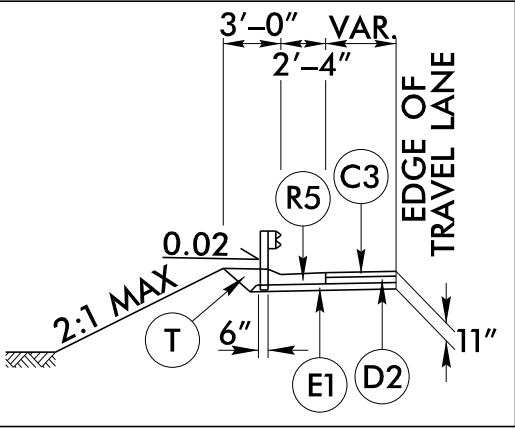


TYPICAL SECTION NO. 6
USE TYPICAL SECTION NO. 6
-Y1- STA. 13+25.06 TO 16+00.00

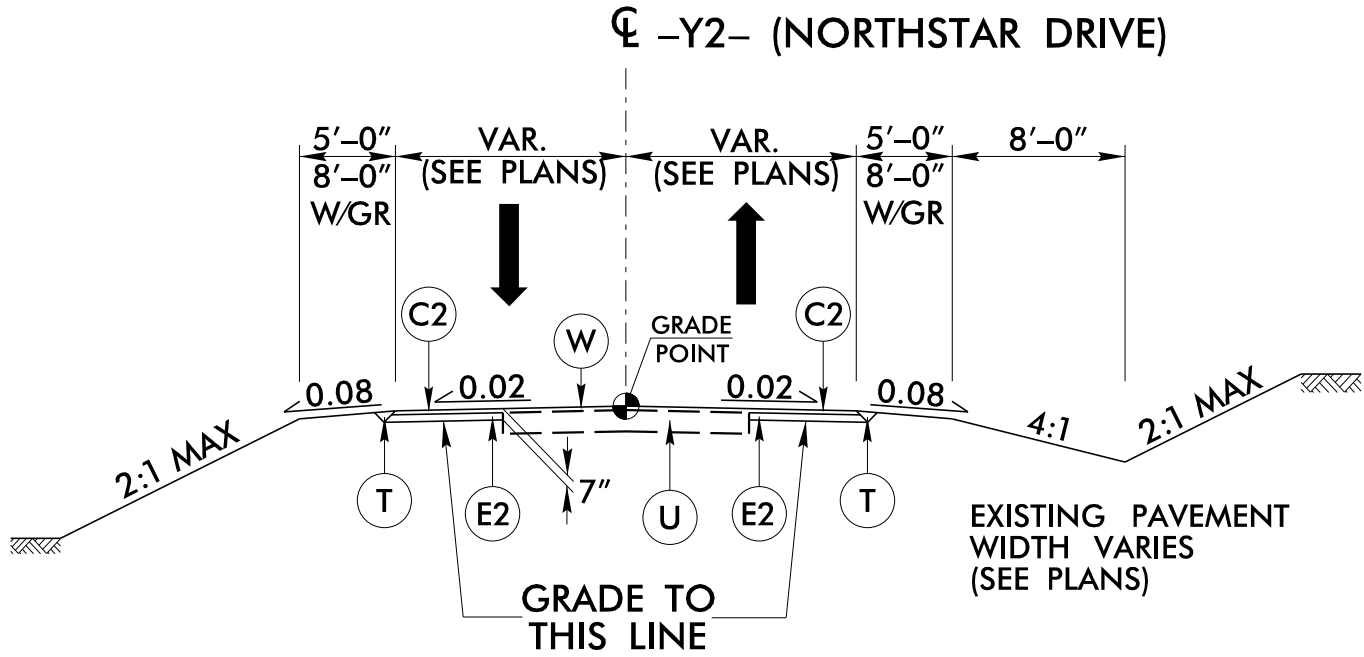
TRANSITION FROM TYPICAL SECTION NO. 6 TO EXISTING:
-Y1- STA. 16+00.00 TO 16+50.00



TYPICAL SECTION NO. 7
USE TYPICAL SECTION NO. 7
-Y2- STA. 10+75.07 TO 11+01.11 LT
-Y2- STA. 10+90.72 TO 11+44.22 RT

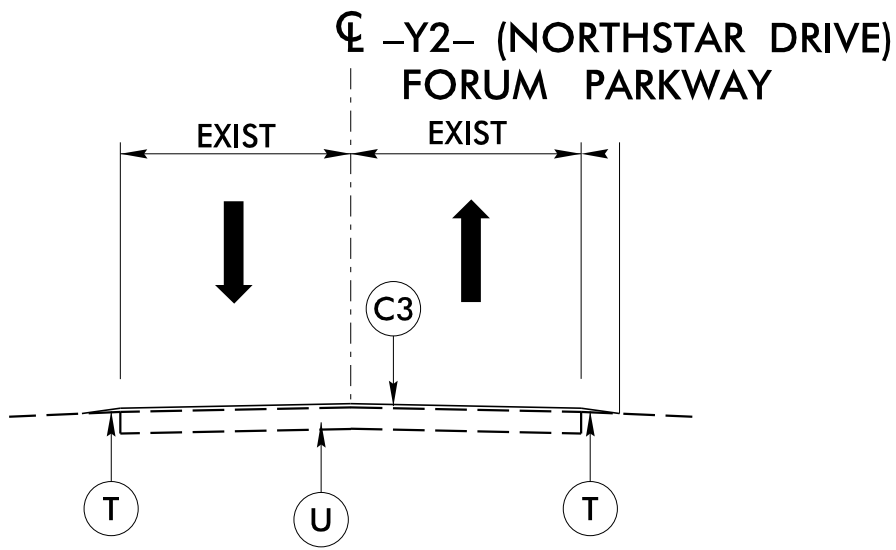


DETAIL FOR
SHOULDER BERM GUTTER IN
CONJUNCTION WITH GUARDRAIL
-Y1- STA 11+45.00 TO 14+34.00 LT



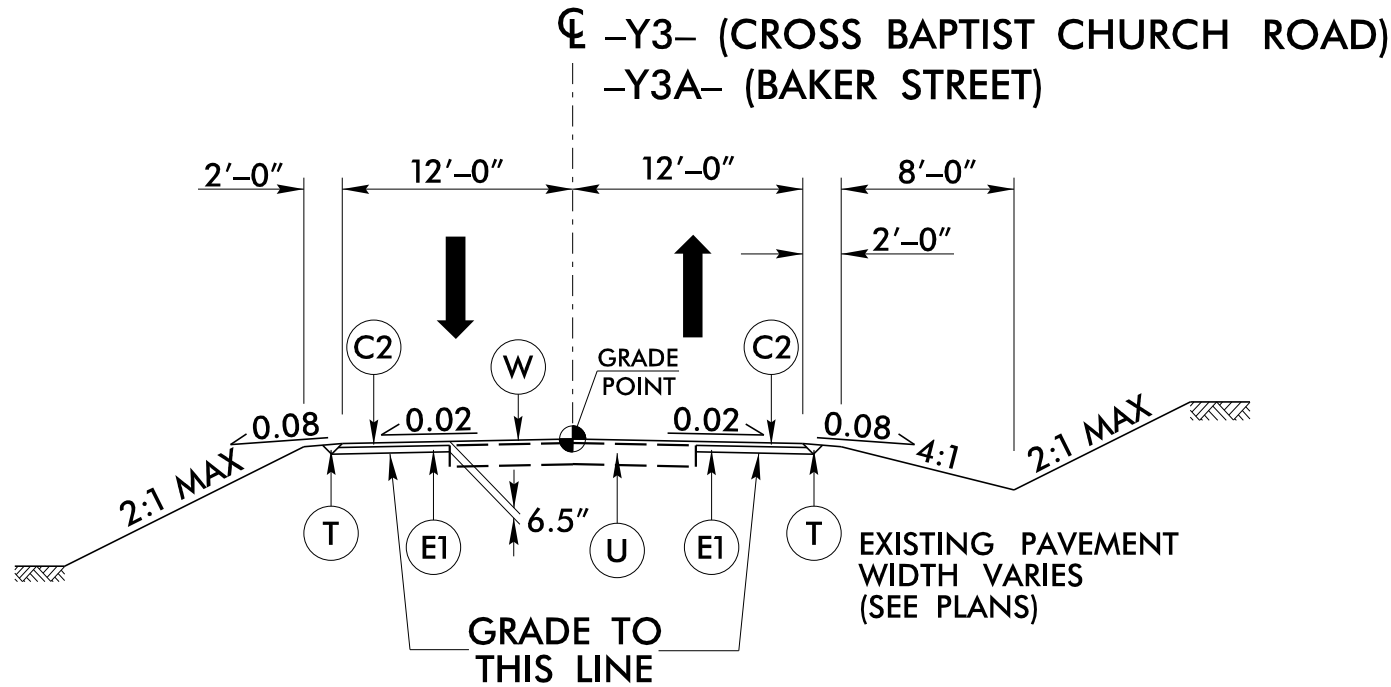
TYPICAL SECTION NO. 8
USE TYPICAL SECTION NO. 8
-Y2- STA. 11+01.11 TO 12+50.00 LT
-Y2- STA. 11+44.22 TO 12+50.00 RT

TRANSITION FROM TYPICAL SECTION NO. 6 TO EXISTING:
-Y2- STA. 12+50.00 TO 13+00.00



TYPICAL SECTION NO. 9
USE TYPICAL SECTION NO. 9
-Y2- STA. 13+00.00 TO 17+55.00
REPAIR/PATCH POTHOLES AS DIRECTED
BY THE ENGINEER. TAPER RESURFACING
TO EXISTING PAVEMENT IN 150'. DO
NOT MILL TIE-IN.

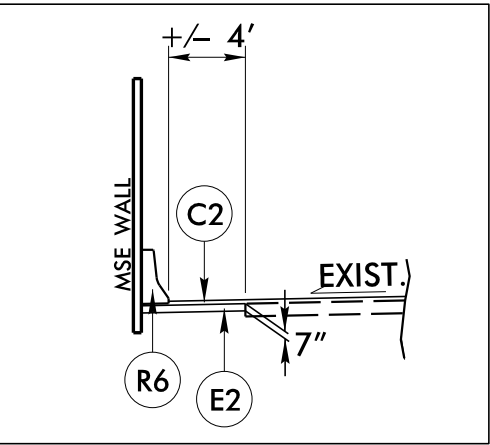
FORUM PARKWAY
SEE OVERLAY AREA ON SHEETS 4 & 5
RIGHT OF -Y1- STA 13+00.00



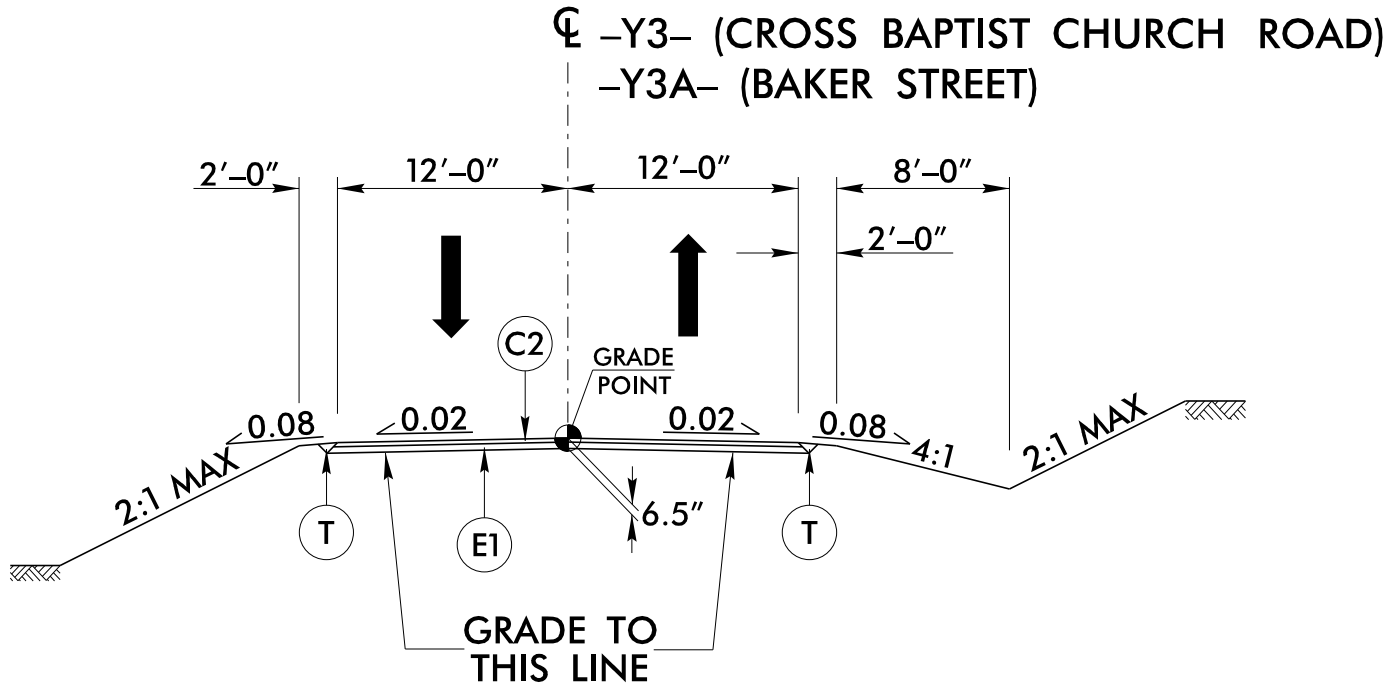
TRANSITION FROM EXISTING TO TYPICAL SECTION NO. 10:
-Y3- STA. 10+75.00 TO 11+25.00

TYPICAL SECTION NO. 10
USE TYPICAL SECTION NO. 10
-Y3- STA. 11+25.00 TO 12+74.10
-Y3A- STA. 11+83.12 TO 13+28.20

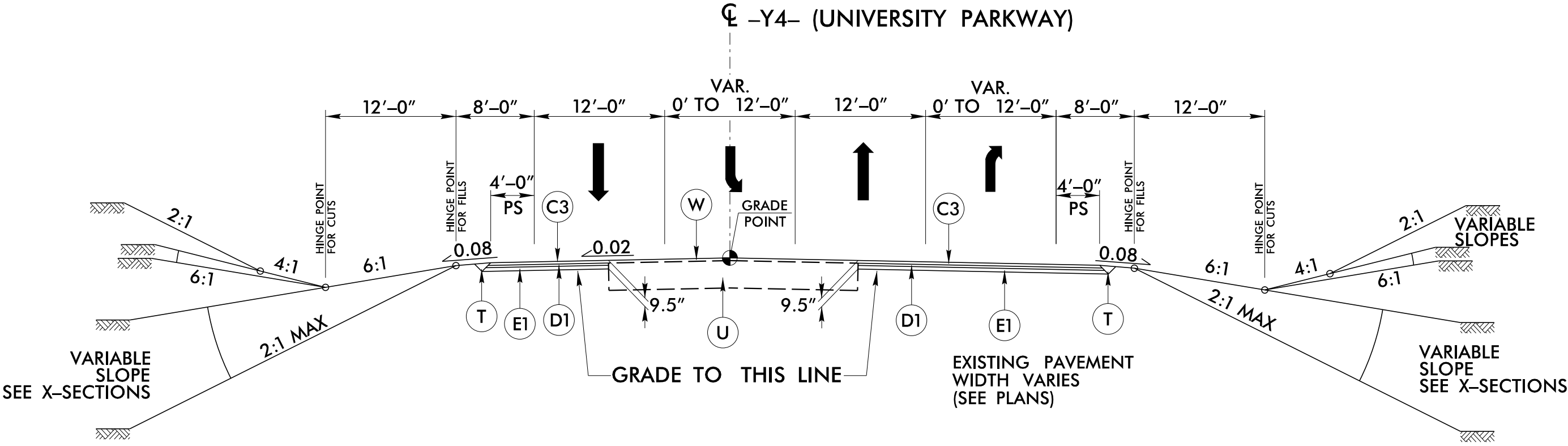
TRANSITION FROM TYPICAL SECTION NO. 10 TO EXISTING:
-Y3A- STA. 13+28.20 TO 13+78.20



DETAIL FOR
PAVED SHOULDER IN
CONJUNCTION WITH MSE WALL
-Y2- STA 15+29.00 TO 16+13.00 RT

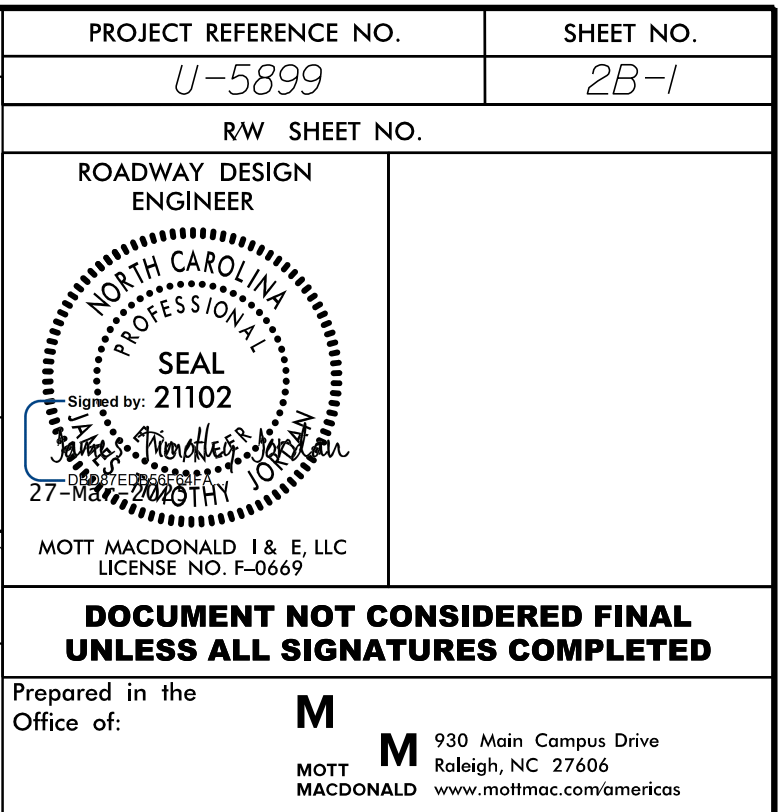


TYPICAL SECTION NO. 11
USE TYPICAL SECTION NO. 11
-Y3- STA. 12+74.10 TO 15+00.26
-Y3A- STA. 11+00.00 TO 11+83.12

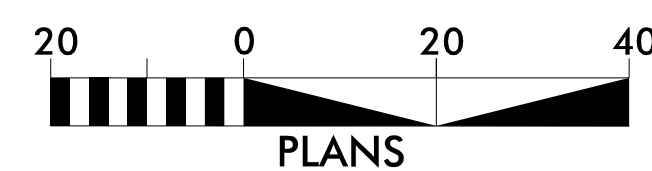


TYPICAL SECTION 12
USE TYPICAL SECTION NO. 12
-Y4- STA. 32+98.24 TO 38+72.95

PAVEMENT SCHEDULE	
C2	2.5" S9.5B
C3	3" S9.5B
D1	2.5" I19.0C
D2	4" I19.0C
E1	4" B25.0C
E2	4.5" B25.0C
R5	SHOULDER BERM GUTTER
R6	PRECAST CONC. BARRIER
T	EARTH MATERIAL
U	EXIST. PAVEMENT
W	WEDGING

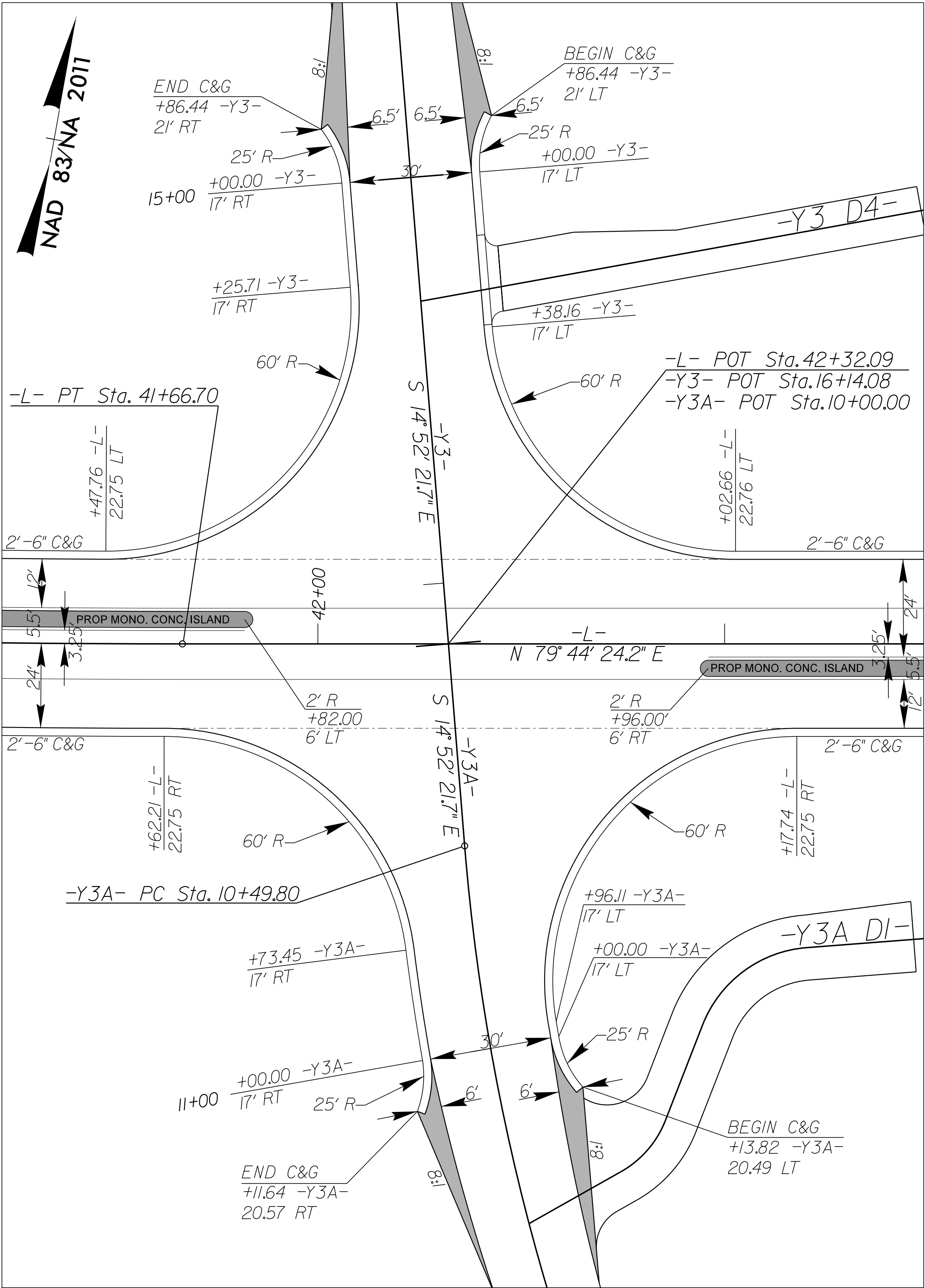


INTERSECTION DETAIL
 -L- /-Y1- /-Y2-
 FOR PLAN SEE SHEET 5



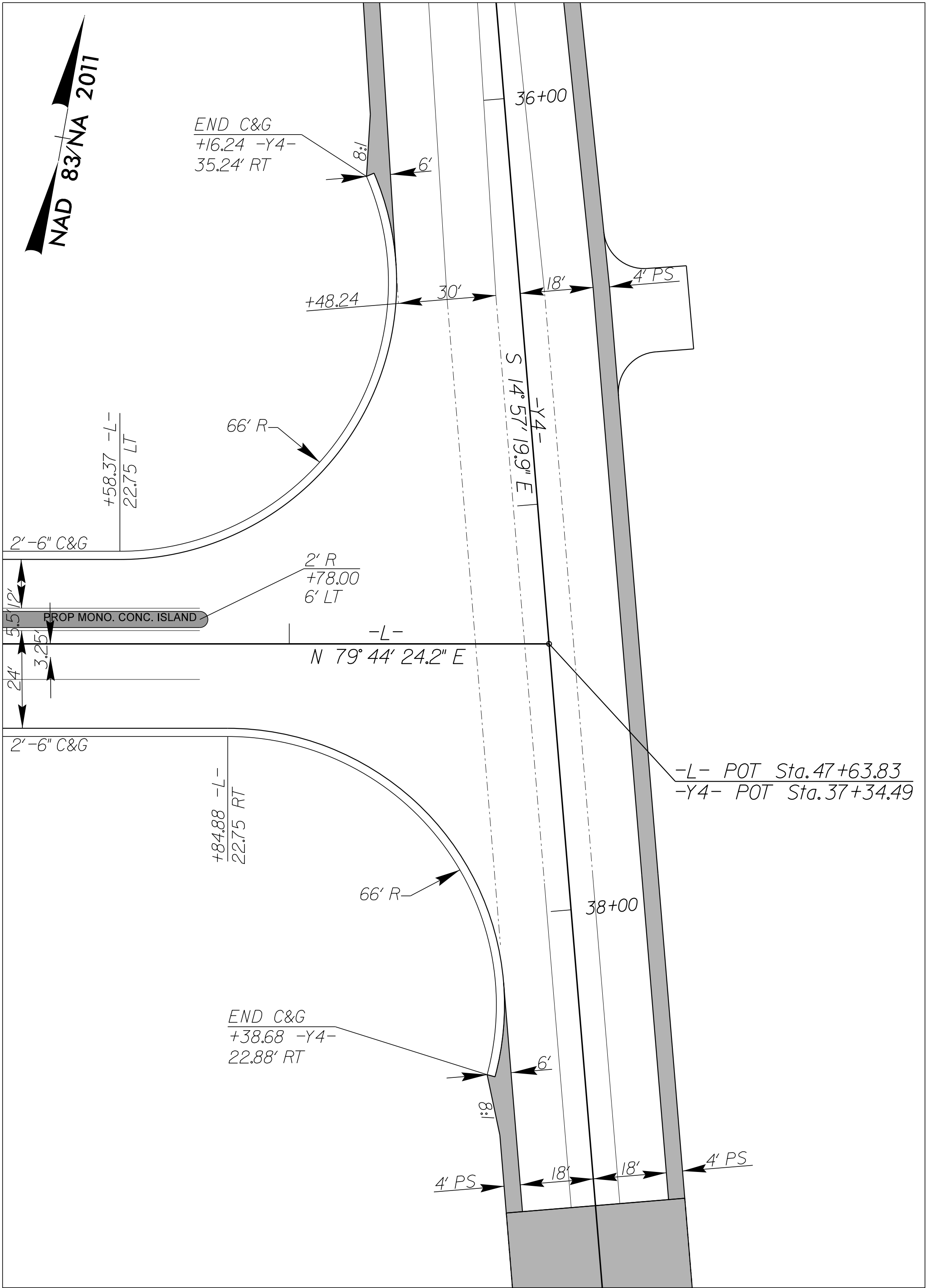
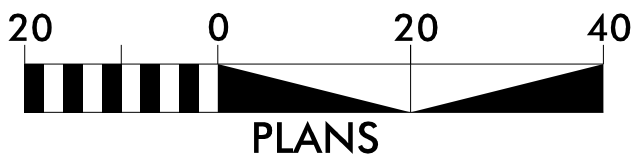
8/17/99

3/27/2025
c:\pwworking\hmm\raill-transat\jor-66165\ad0178164\45899_r.dgn
iso-jordan



INTERSECTION DETAIL

-L- / -Y3- / -Y3A-
FOR PLAN SEE SHEET NO. 6



INTERSECTION DETAIL

-L- / -Y4-
FOR PLAN SEE SHEET NO. 6



PROJECT REFERENCE NO.	SHEET NO.	
U-5899	2B-2	
RW SHEET NO.		
ROADWAY DESIGN ENGINEER		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		
Prepared in the Office of:		M M MOTT MACDONALD
930 Main Campus Drive Raleigh, NC 27606 www.mottmac.com/americas		

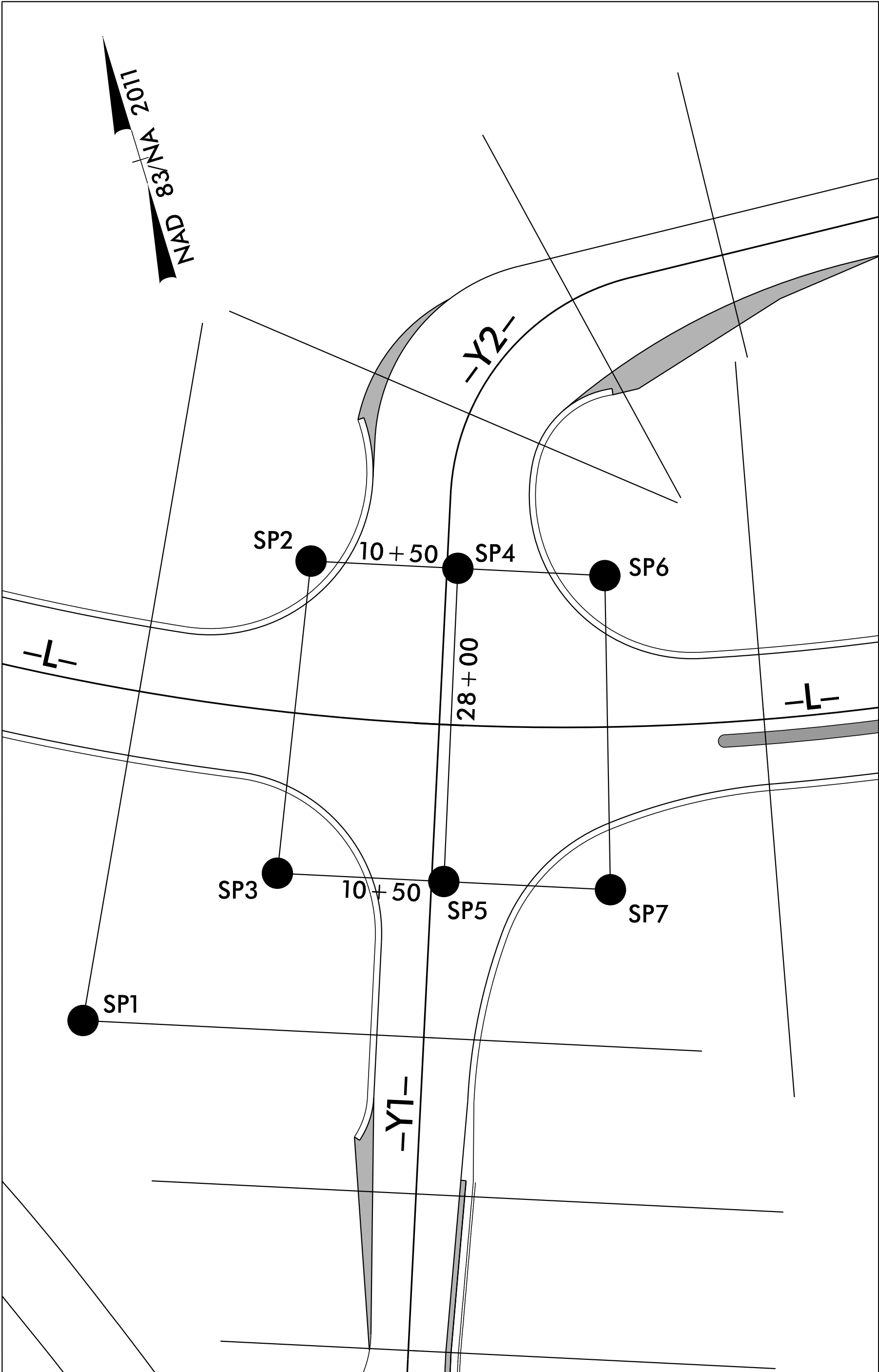
8/17/99

3/27/2025
c:\pwworking\hmm\rail\transat\jor-66165\ad0178164\45899_rdy_2B-4_shear-point.dgn
iso-6-jor-661

PROJECT REFERENCE NO. <i>U-5899</i>		SHEET NO. <i>2B-4</i>	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 21102 <i>James W. Moore, Jr.</i> 27-March 2011 MOTT MACDONALD I & E, LLC LICENSE NO. F-9669			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
Prepared in the Office of:		M MOTT MACDONALD 930 Main Campus Drive Raleigh, NC 27606 www.mottmac.com	

SHEAR POINT DIAGRAM

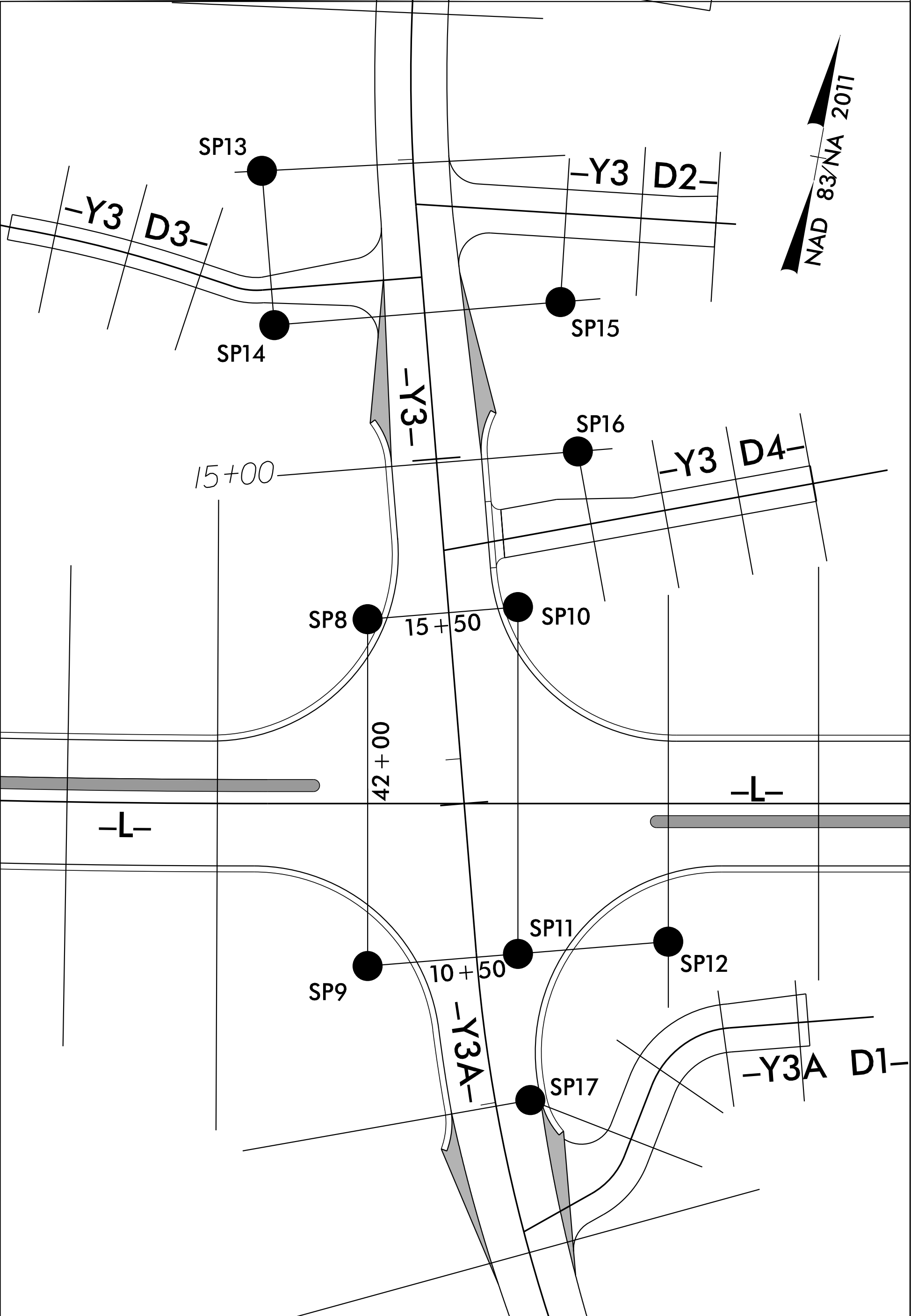
-L- /-Y1- /-Y2-
FOR PLAN SEE SHEET 5



NOT TO SCALE

SHEAR POINT DIAGRAM

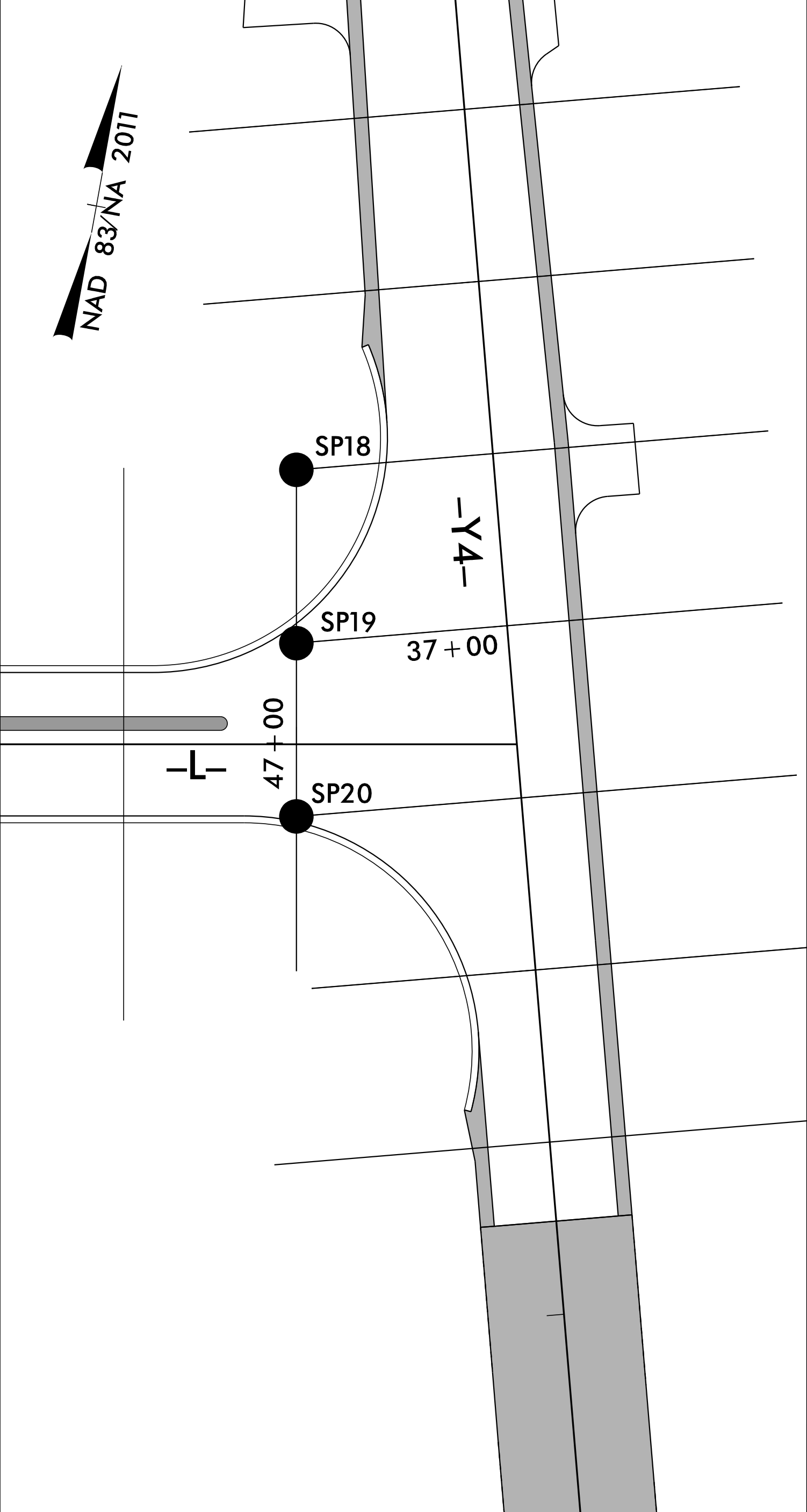
-L- /-Y3- /-Y3A- /-Y3_D2- /-Y3_D3- /-Y3_D4- /Y3A_D1-
FOR PLAN SEE SHEET 6



NOT TO SCALE

SHEAR POINT DIAGRAM

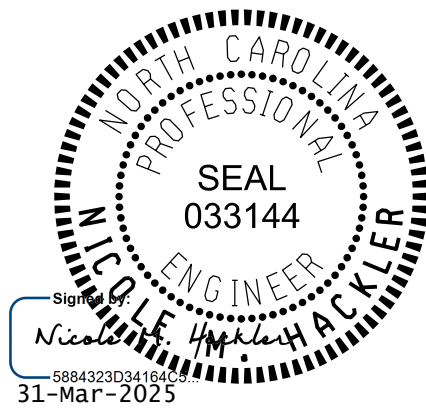
-L- /-Y4-
FOR PLAN SEE SHEET 6





The seal is circular with a double-lined border. The outer ring contains the text "NORTH CAROLINA" at the top and "PROFESSIONAL ENGINEER" at the bottom. The center of the seal contains the word "SEAL" above the number "033144". Below the number, the name "NICOLE M. HACKLER" is written in a stylized, overlapping font.

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: <u>S.CALHOUN</u>	DATE: <u>7-25-2024</u>
MODIFIED BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____
FILE SPEC: _____	



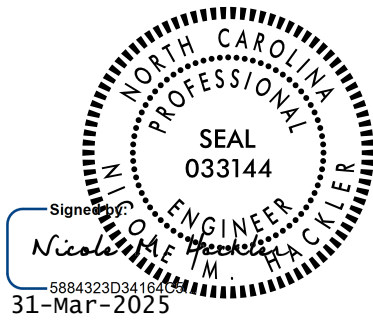
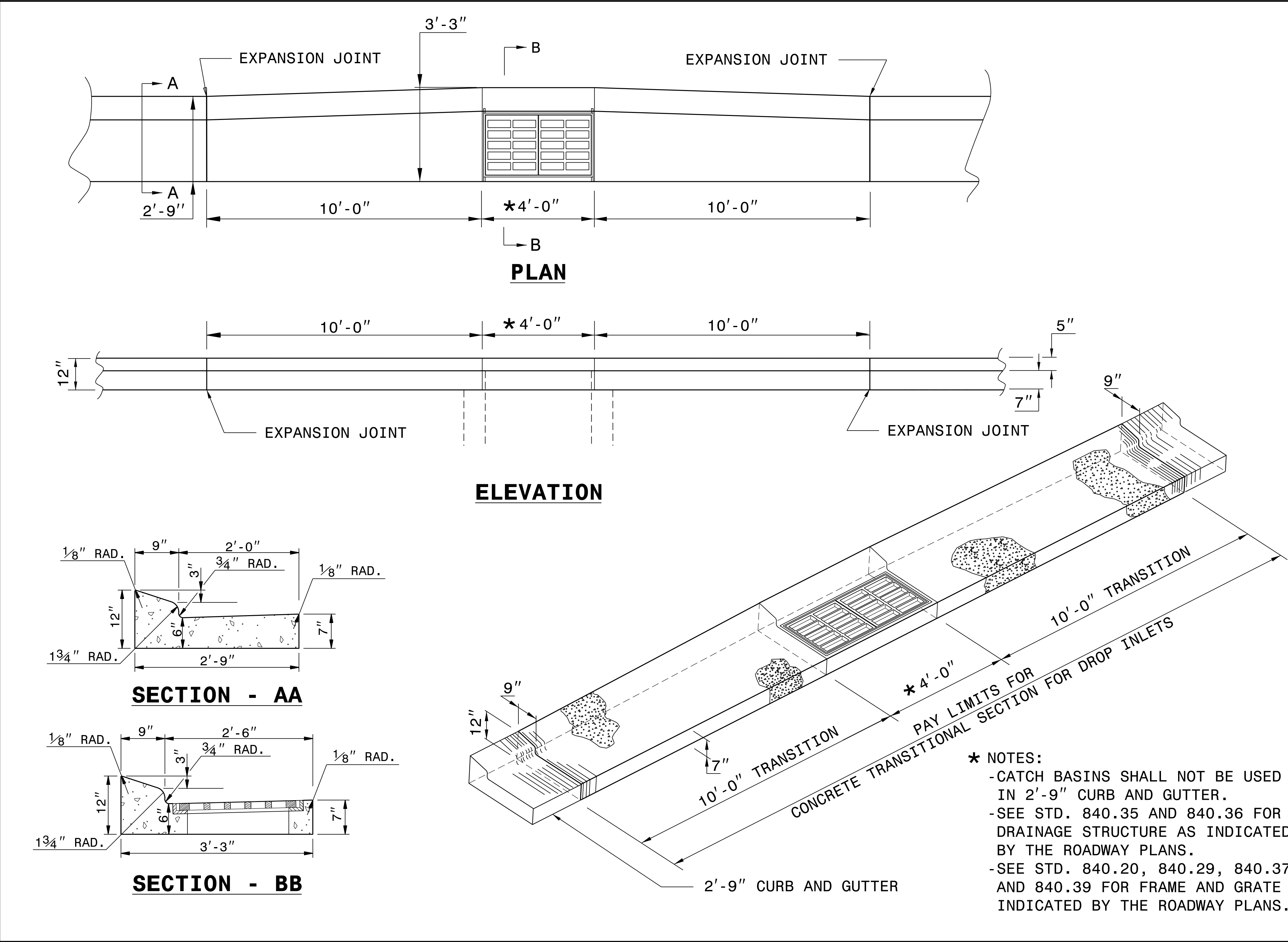
ORIGINAL BY: S.CALHOUN DATE: 7-25-2024
 MODIFIED BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 FILE SPEC.: _____

PROJECT REFERENCE NO.	SHEET NO.
U-5899	2C-3

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

ROADWAY DETAIL DRAWING FOR
MEDIAN CURB FOR TRAFFIC BEARING
GRADED DROP INLET
(FOR USE WITH 2'-9" CURB AND GUTTER)

SHEET 1 OF 1
852D07



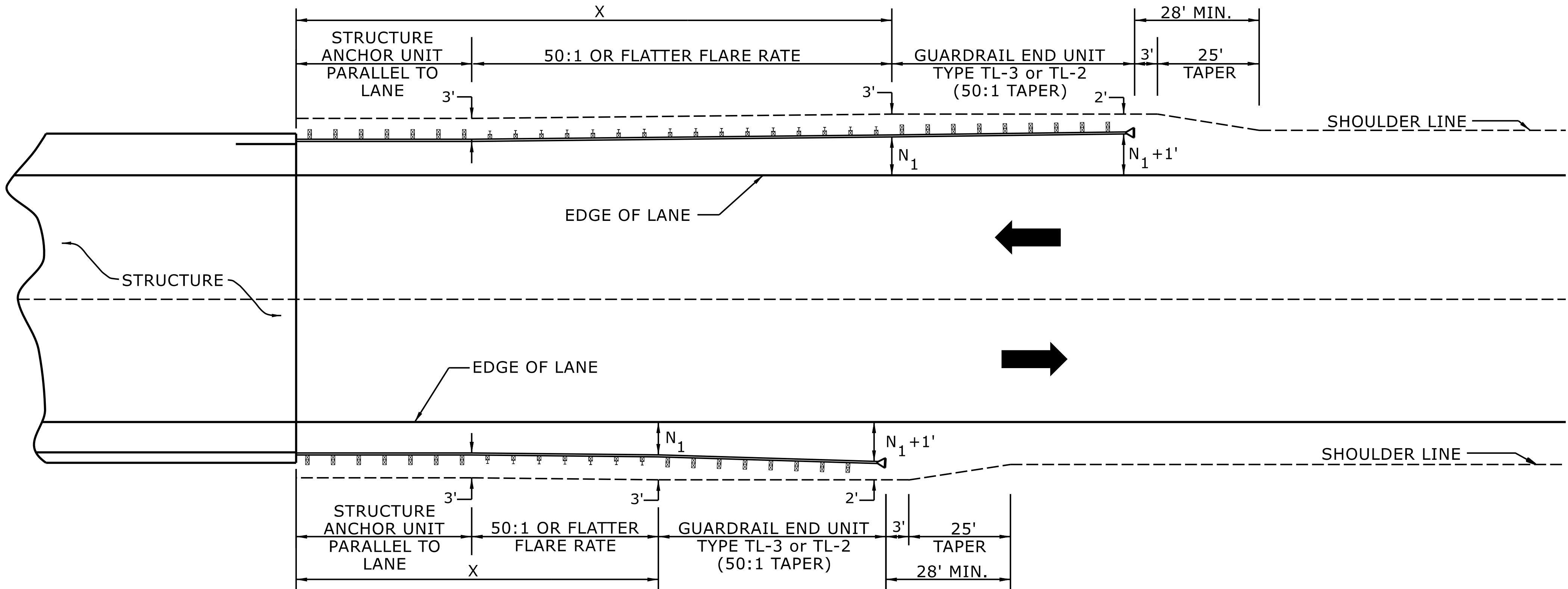
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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

SEE TITLE BLOCK

ORIGINAL BY: K.A. KEMPf DATE: 7-20-23
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: 2024 details in lieu\852D0701.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5899	2C-4



USE FLARE RATE AS THE CONTROL IF THE "N₁" DISTANCE IS NOT OBTAINED.
("N₁" IS BASED ON SHOULDER WIDTHS IN THE ROADWAY DESIGN MANUAL)

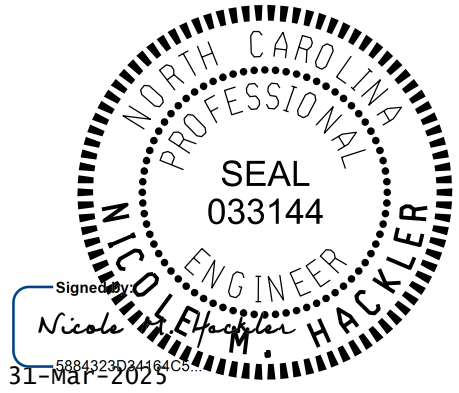
SEE STD. 862.03 FOR STRUCTURE ANCHOR UNITS

FOR POSTED SPEEDS ≥ 45MPH USE GREU TYPE TL-3
FOR POSTED SPEEDS < 45MPH USE GREU TYPE TL-2

GUARDRAIL LENGTH OF NEED (X) IS CALCULATED BASED ON THE AASHTO ROADSIDE DESIGN GUIDE.

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

ROADWAY DETAIL DRAWING FOR
GUARDRAIL PLACEMENT



LENGTHS AND OFFSETS FOR PROPOSED GUARDRAIL AT TWO LANE - TWO WAY LOCATIONS

SHEET 4 OF 15
862D01

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

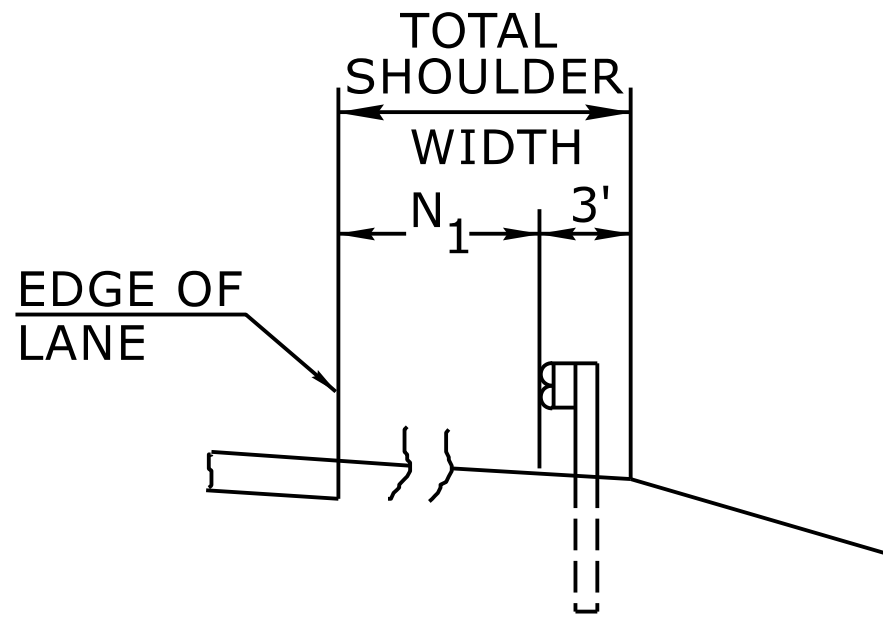
**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**

Office 919-707-6950 FAX 919-250-4119

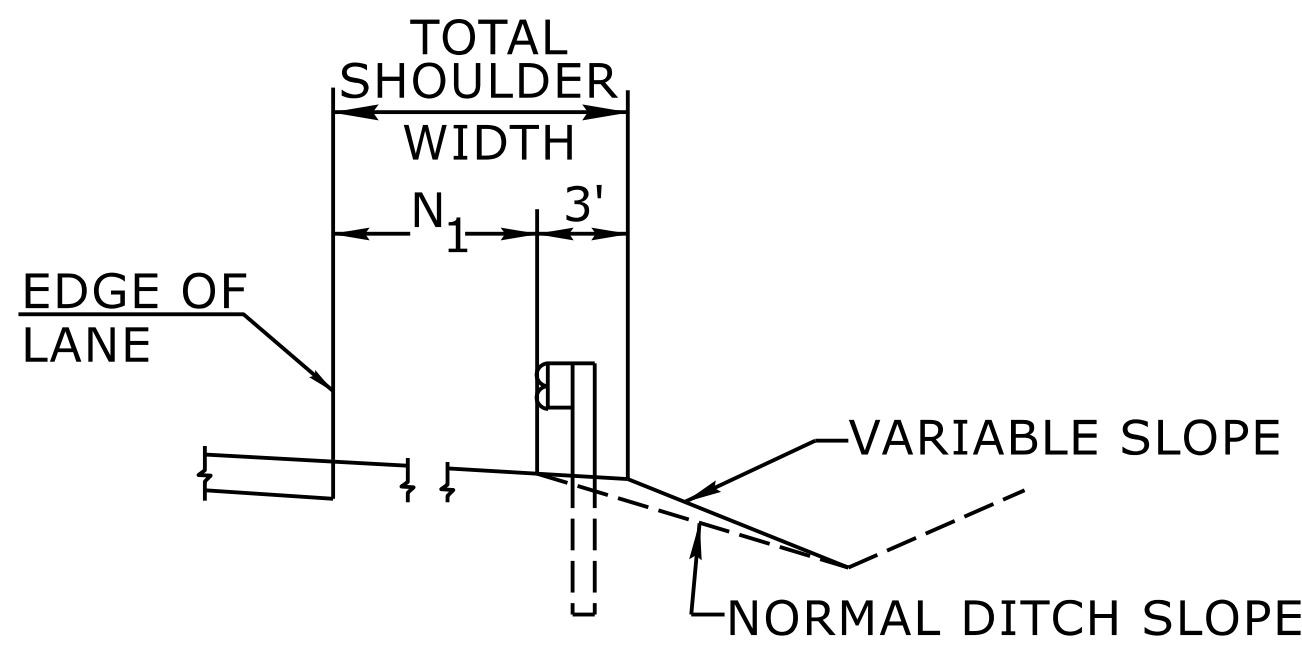
SEE TITLE BLOCK

ORIGINAL BY: S.CALHOUN DATE: 7-25-2024
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.:

PROJECT REFERENCE NO.	SHEET NO.
U-5899	2C-5

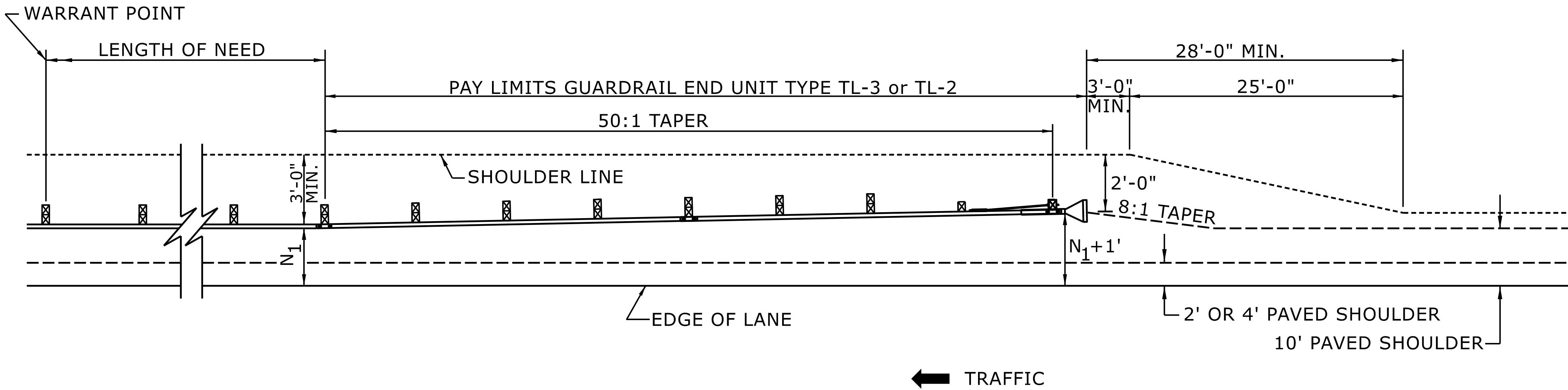


FILL SECTION



CUT SECTION

"N₁"= DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL WHERE GUARDRAIL IS PARALLEL TO LANE.

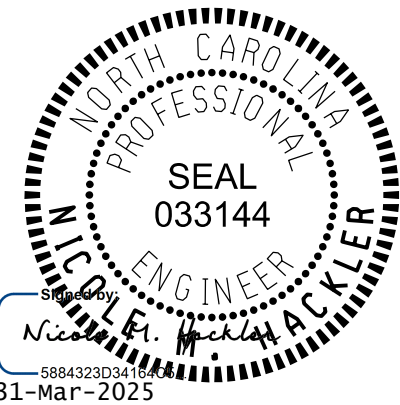


FOR POSTED SPEEDS ≥ 45mph USE GREU TYPE TL-3
FOR POSTED SPEEDS < 45mph USE GREU TYPE TL-2

DETAIL OF BEGINNING OF GUARDRAIL IN CUT OR FILL SECTION

ROADWAY DETAIL DRAWING FOR
GUARDRAIL PLACEMENT

SHEET 6 OF 15
862D01



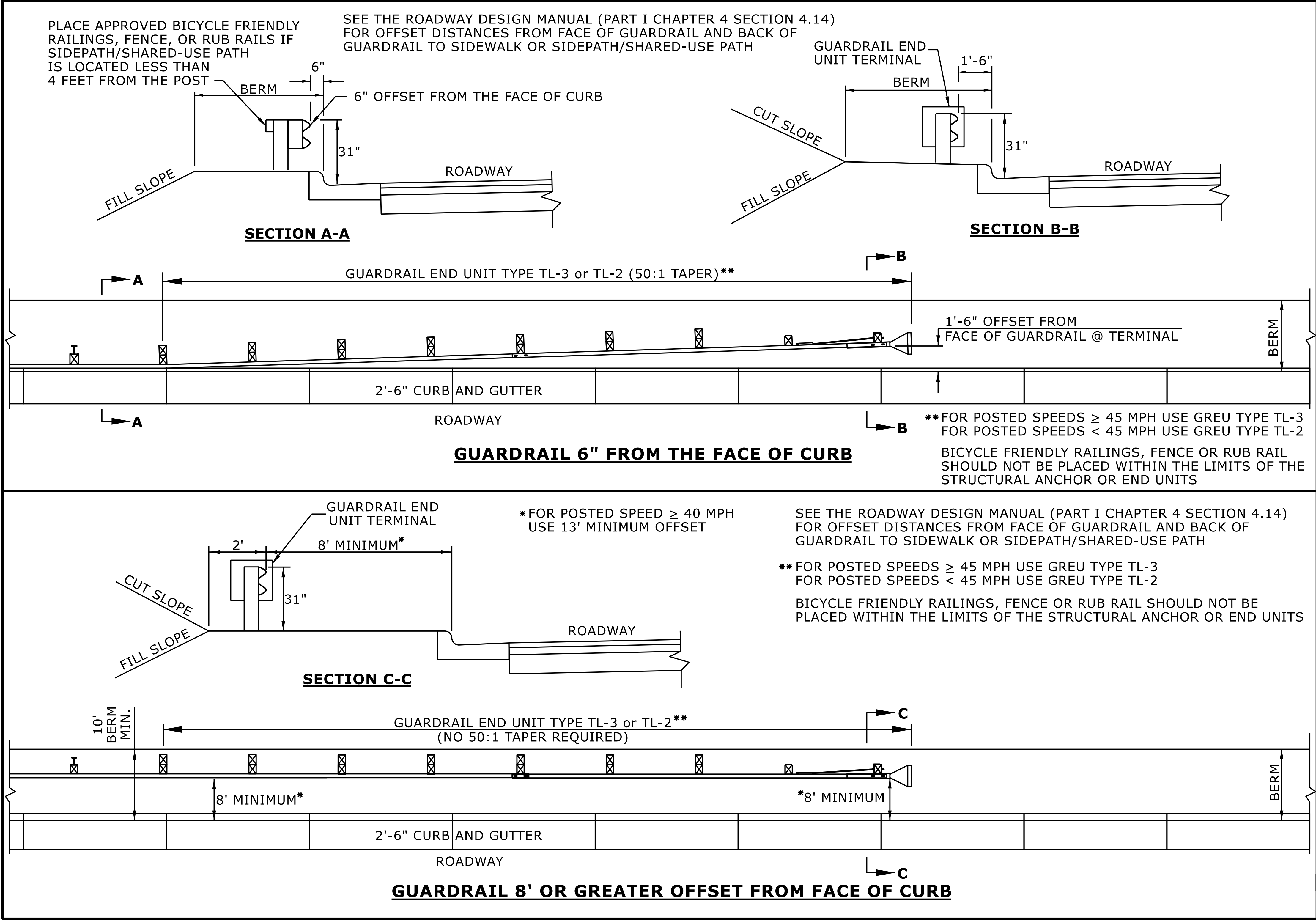
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**

Office 919-707-6950 FAX 919-250-4119

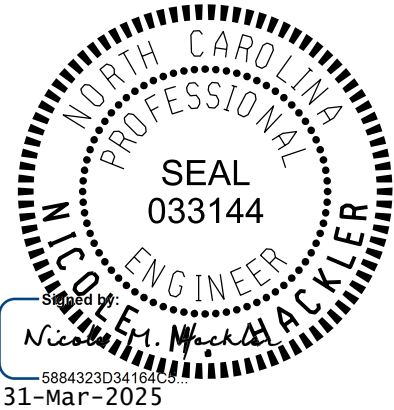
SEE TITLE BLOCK

ORIGINAL BY: S.CALHOUN DATE: 7-25-2024
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: DATE:



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

ROADWAY DETAIL DRAWING FOR
GUARDRAIL PLACEMENT
GUARDRAIL TREATMENT AT CURB AND GUTTER



SHEET 12 OF 15
862D01

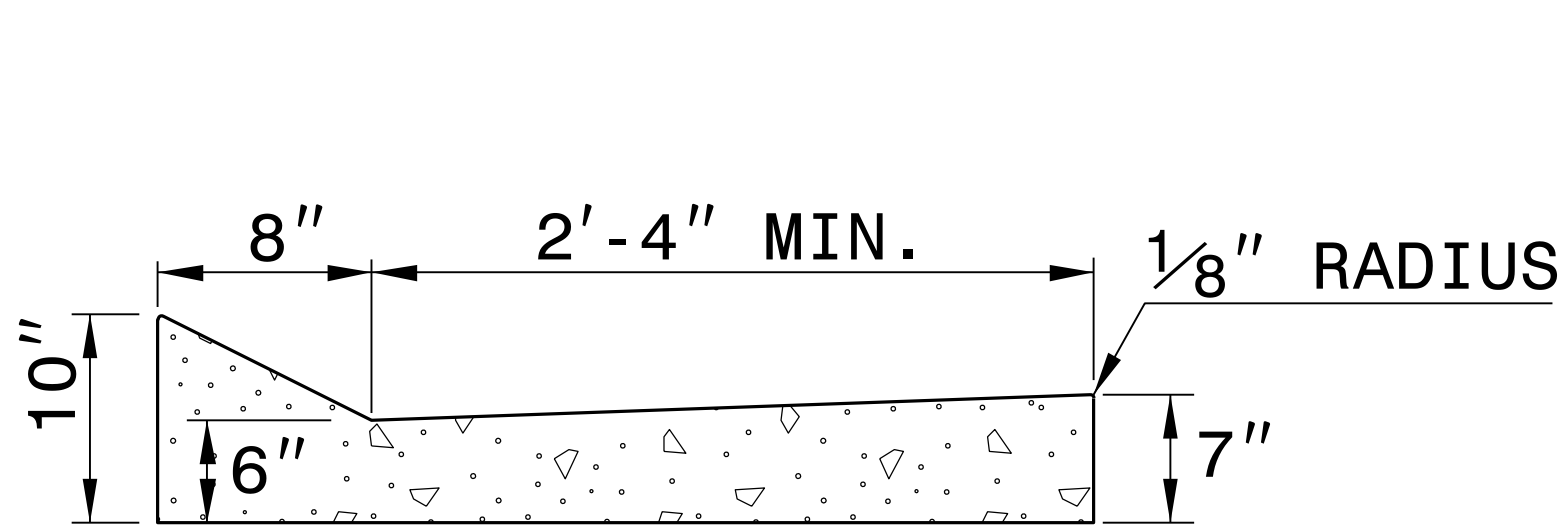
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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

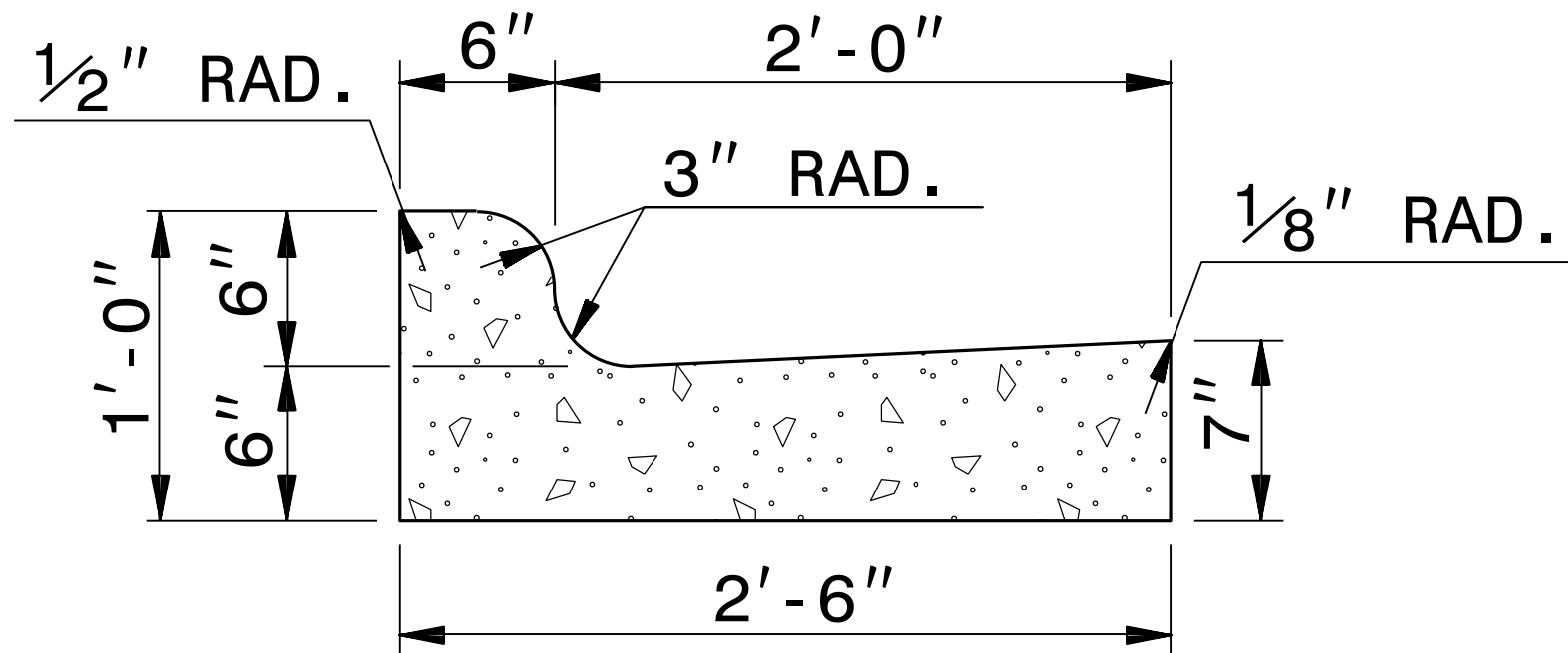
SEE TITLE BLOCK

ORIGINAL BY: S.CALHOUN DATE: 7-25-2024
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: DATE:

PROJECT REFERENCE NO.	SHEET NO.
U-5899	2C-7

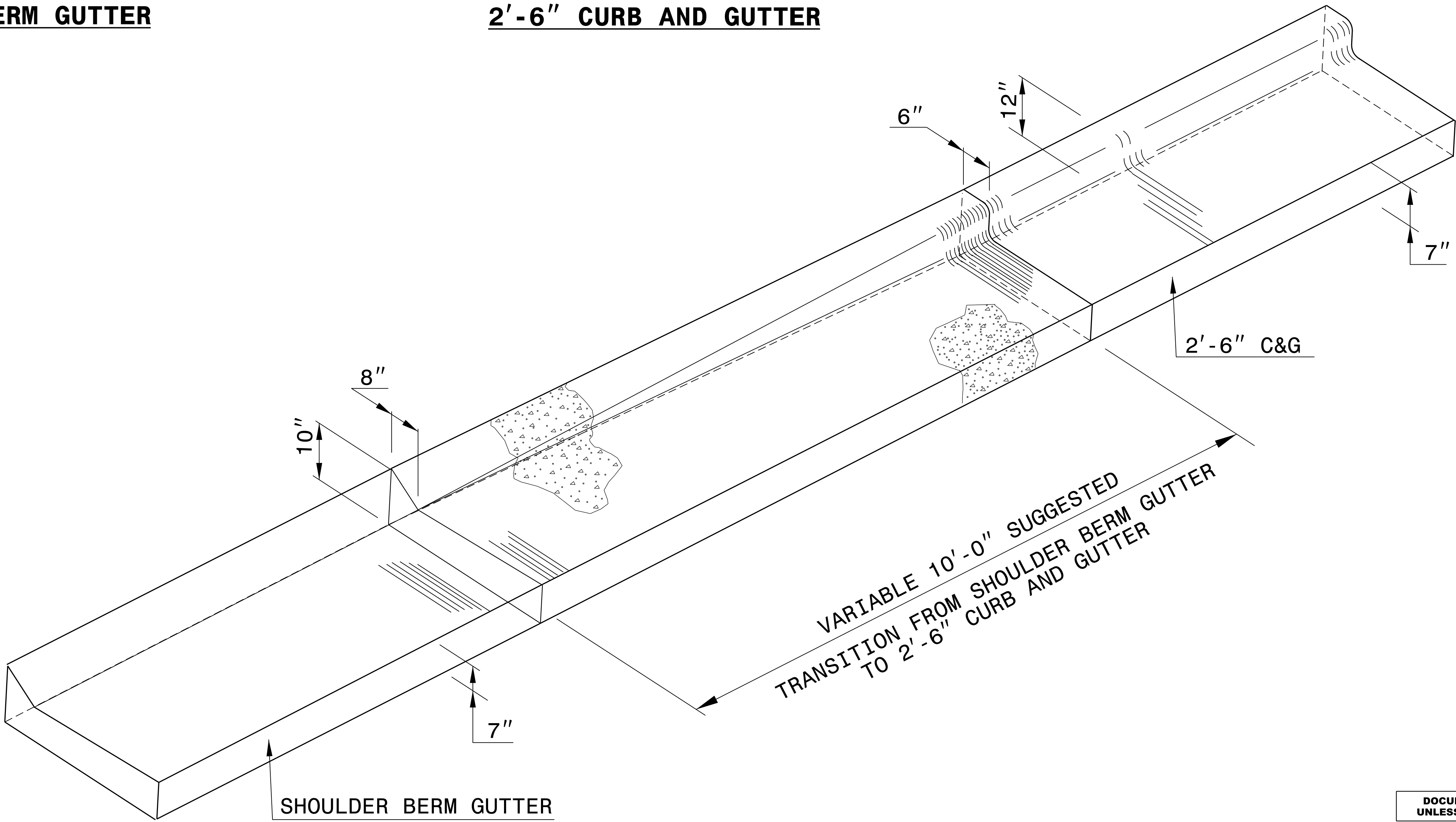


SHOULDER BERM GUTTER

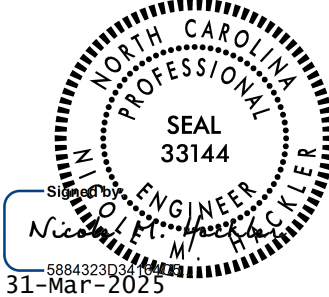


2'-6" CURB AND GUTTER

*NOTE: SEE STD. DWG. 846.01
FOR GENERAL NOTES



ISOMETRIC VIEW OF TRANSITION

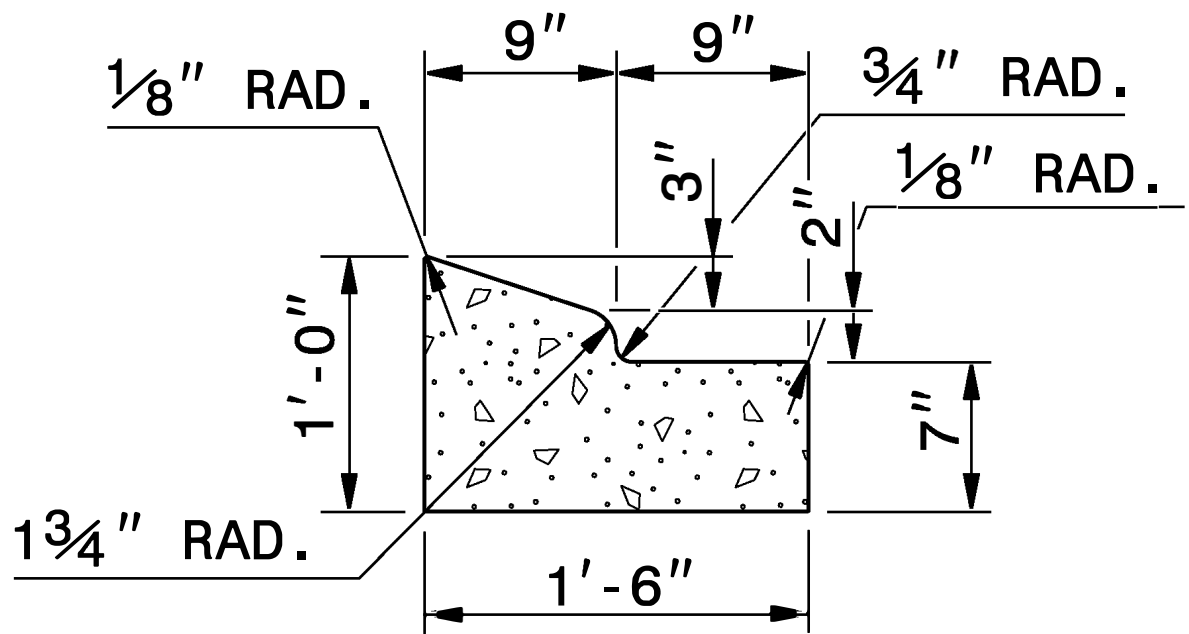


DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

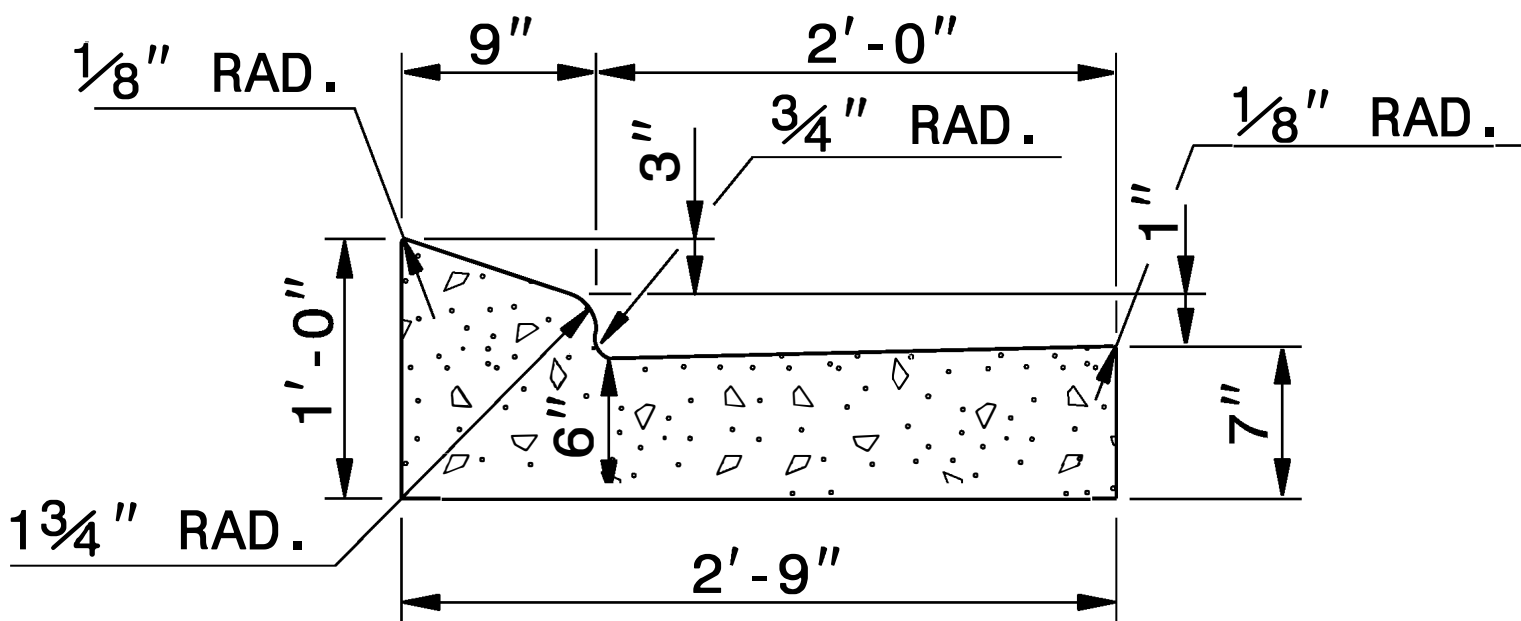
CONTRACT STANDARDS AND DEVELOPMENT UNIT Office 919-707-6950 FAX 919-250-4119	
DETAIL OF SHOULDER BERM GUTTER TO 2'-6" CURB & GUTTER TRANSITION SECTION	
ORIGINAL BY: E.E. WARD	DATE: 5-29-02
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.: /usr/details/stand/cgtransit.dgn	

5/14/99

PROJECT REFERENCE NO.	SHEET NO.



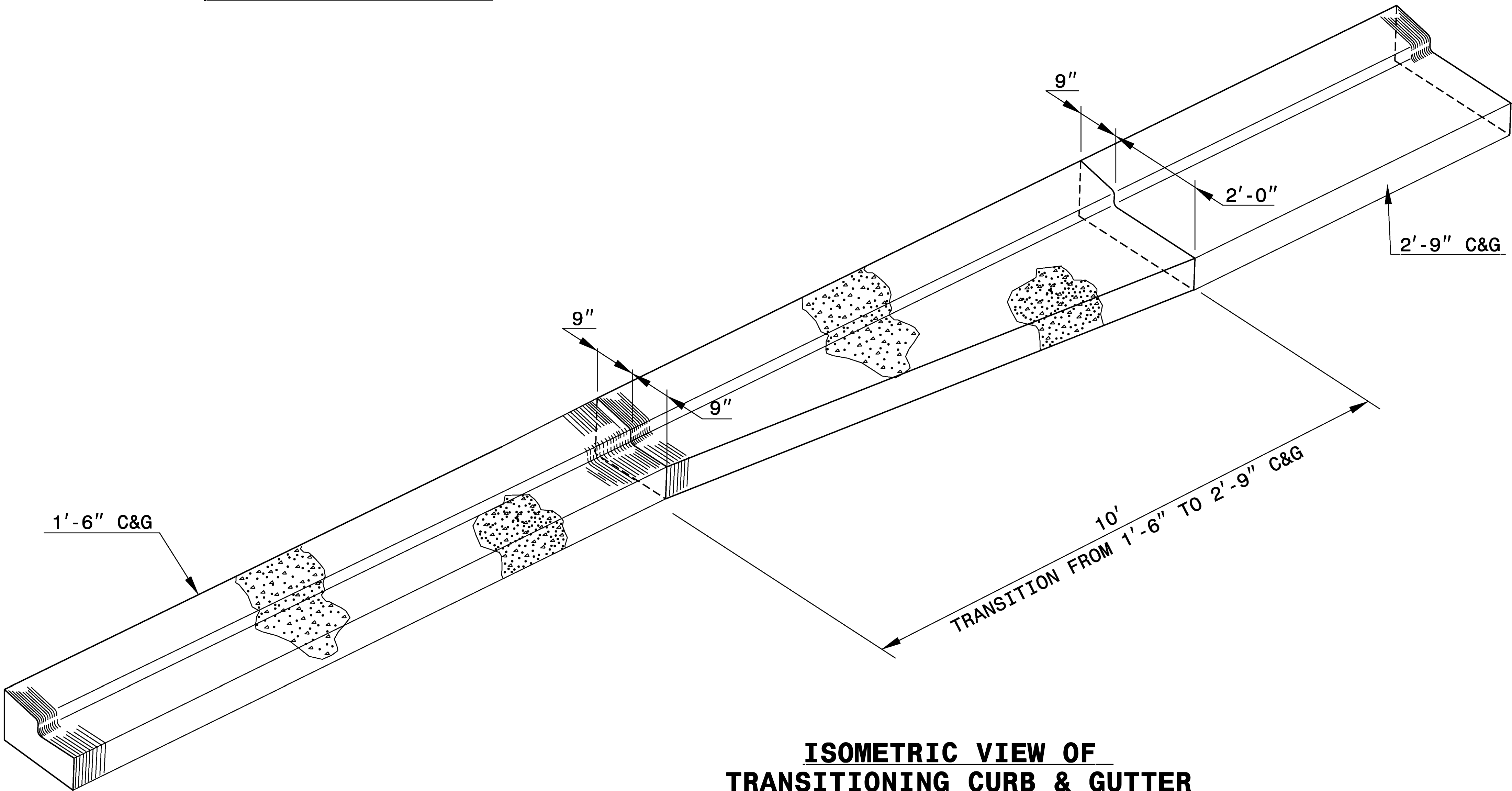
1'-6" CURB AND GUTTER



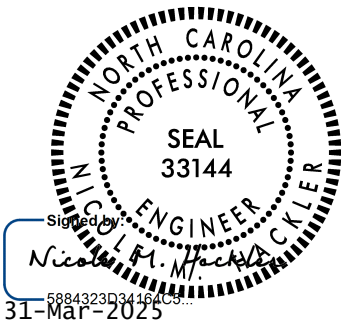
2'-9" CURB AND GUTTER

NOTE: SEE STD. DWG. 846.01 FOR ADDITIONAL CURB AND GUTTER INFORMATION.

SEE ROADWAY PLANS FOR LOCATION OF CURB TRANSITION.



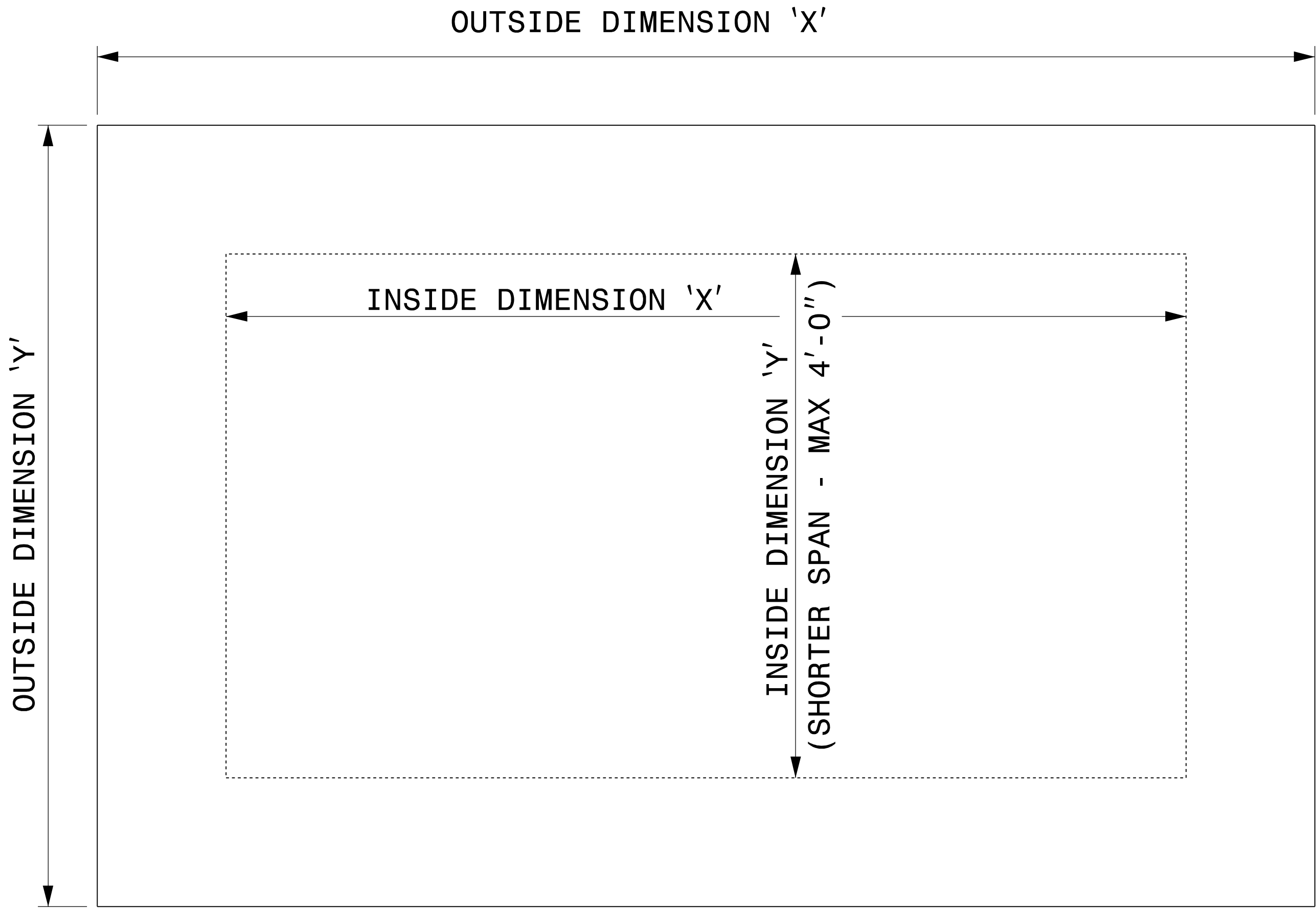
**ISOMETRIC VIEW OF
TRANSITIONING CURB & GUTTER**



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

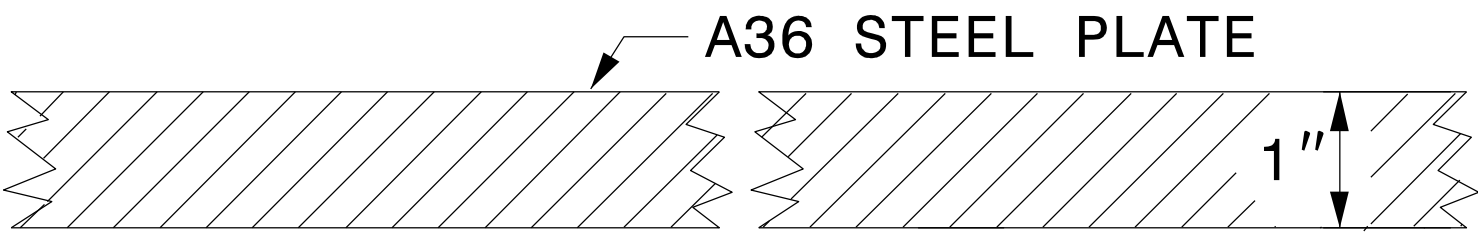
CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
DETAIL OF 1'-6" TO 2'-9" CURB & GUTTER TRANSITION SECTION	
ORIGINAL BY: T.S.SPELL	DATE: NOV. 26, 2001
MODIFIED BY: T.S.SPELL	DATE: JAN. 23, 2007
CHECKED BY:	DATE:
FILE SPEC.: DS174:/usr/details/stand/cqtransit.dgn	

PROJECT REFERENCE NO.	SHEET NO.
U-5899	2C-9



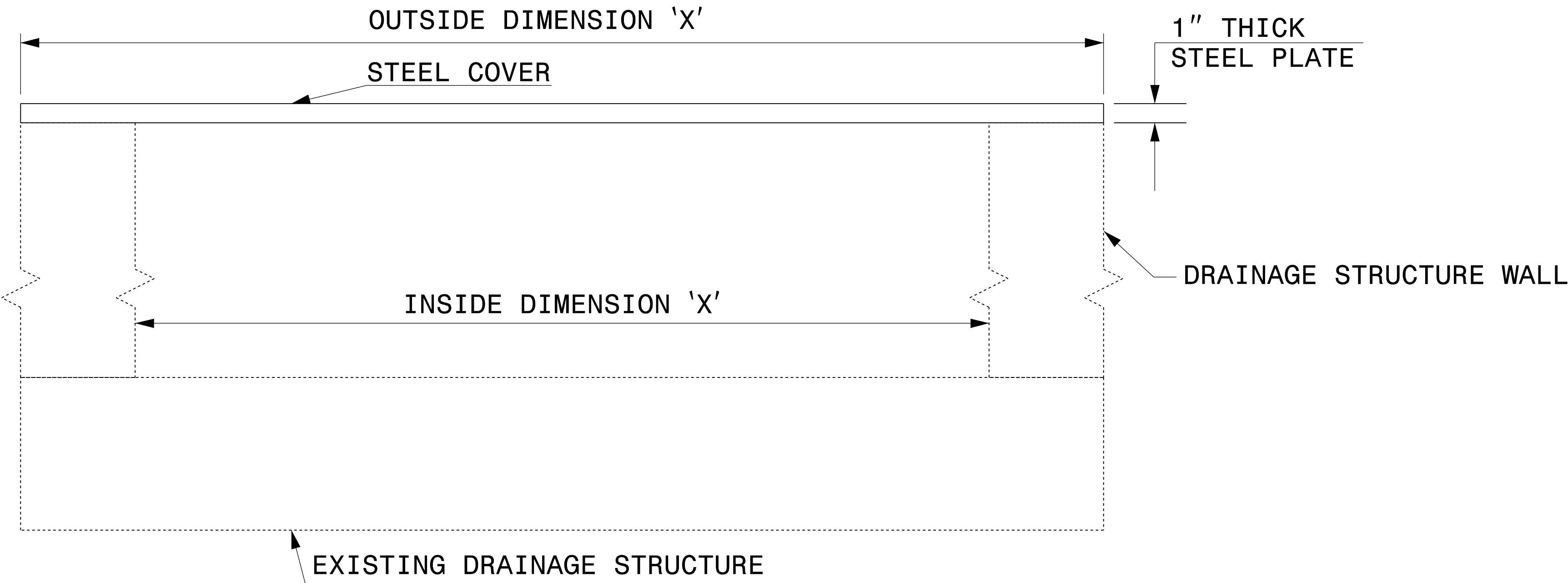
GENERAL NOTES:

- USE GRADE A36 STEEL
- STEEL COVERS ARE FOR TEMPORARY USE DURING PHASE CONSTRUCTION.
- FILL SHALL BE PLACED DIRECTLY OVER THE STEEL PLATES.
- SEE ROADWAY PLANS AND PROVISIONS FOR LOCATIONS
- QUANTITIES TO BE PAID FOR AT THE UNIT PRICE BID PER EACH.

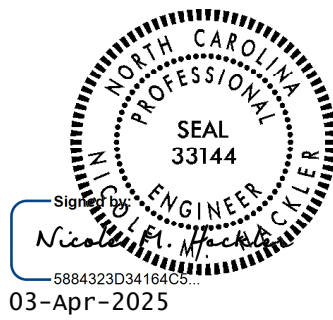


SECTION VIEW OF STEEL TOP PLATE

PLAN VIEWS



ELEVATION VIEWS



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
DETAIL OF TEMPORARY 1" STEEL COVER OVER DRAINAGE STRUCTURE	
ORIGINAL BY: E.E. WARD	DATE: 2-2-98
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.: eric:/usr/details/metric/stand/stlcvr2.dgn	

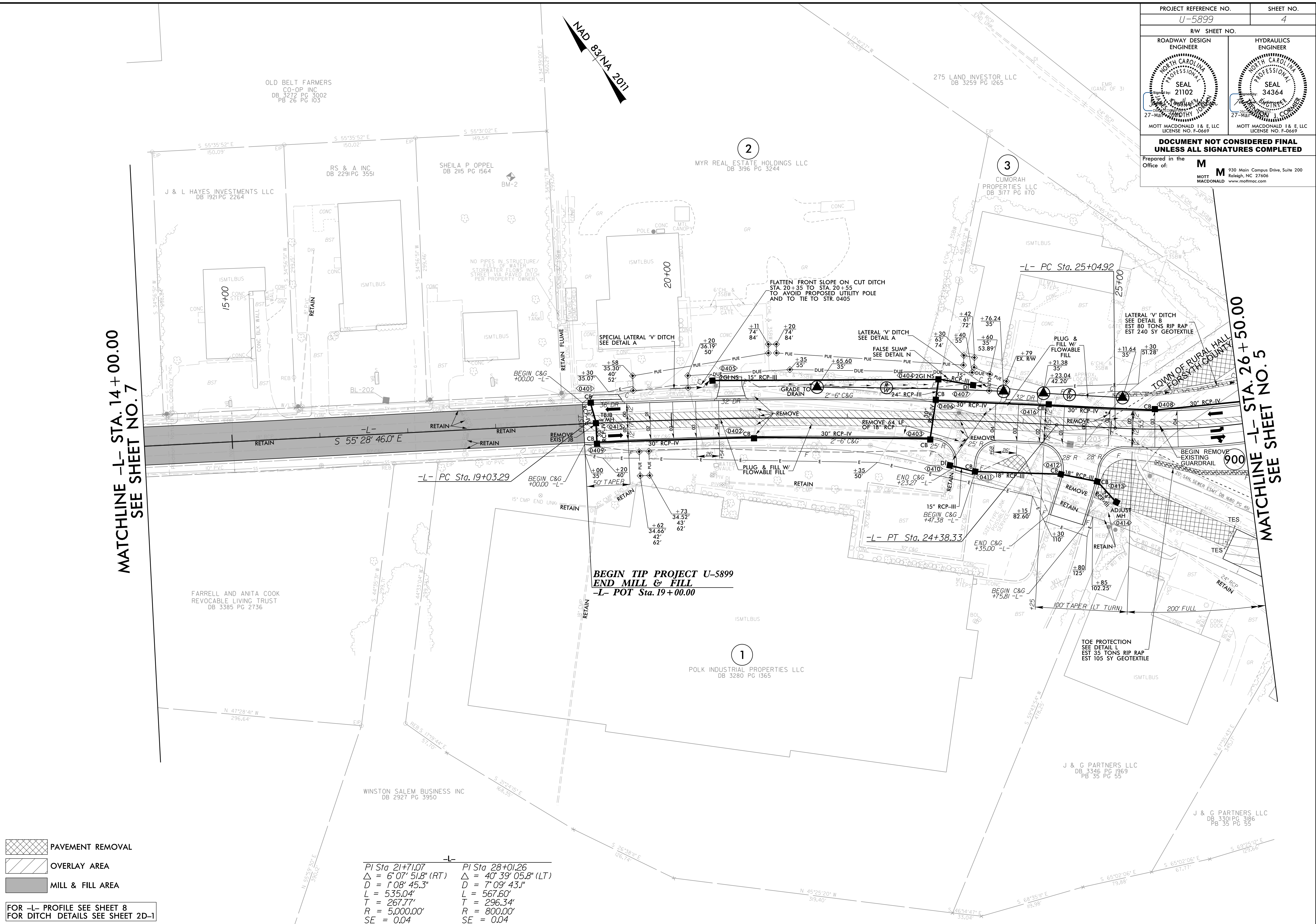
[illegible]

COMPUTED BY: MKM		DATE: 10/10/2023		NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS																				PROJECT NO.		SHEET NO.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
CHECKED BY: TJC		DATE: 3/5/2025																						U-5899		3D-4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
STATION	LOCATION (L.T. RT. OR CL)		STRUCTURE NO.	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	C.S.P.								R.C. PIPE CLASS III								R.C. PIPE CLASS IV								PIPE AS NOTED								ENDWALLS		QUANTITIES FOR DRAINAGE STRUCTURES *TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. "A" + (1.3 X COL. "B")	FRAME, GRATES, AND HOOD STANDARD 840.03			CONCRETE TRANSITIONAL SECTION		ABBREVIATIONS C.B. CATCH BASIN N.D.I. NARROW DROP INLET D.I. DROP INLET G.D.I. (N.S.) GRATED DROP INLET (NARROW SLOT) J.B. JUNCTION BOX M.H. MANHOLE T.B.D.I. TRAFFIC BEARING DROP INLET T.B.J.B. TRAFFIC BEARING JUNCTION BOX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
THICKNESS OR GAUGE	FROM	TO						.064	.064	.064	.064	.079	.079	.109	.109																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

COMPUTED BY: __ PFT UPDATED BY: S Clark		2/5/2025 DATE:4/2/2025	(9-17-24)		PROJECT NO. 44689.1.1		SHEET NO. 3G-1								
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS															
SUMMARY OF SUBSURFACE DRAINAGE						SUMMARY OF AGGREGATE SUBGRADE/STABILIZATION									
LINE	Station	Station	Location LT/RT/CL	Drain Type* UD/BD/SD	LF	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
						-L-	20+25	23+25	ASU(1)	12"	70	140	210		
						-Y4-	32+98	38+73	ASU(1)	12"	400	800	1200		
CONTINGENCY				SD	300	CONTINGENCY					300	600	900		
				TOTAL LF:	300				TOTAL CY/TONS/SY:		770	1540**	2310**	0	0
*UD = Underdrain *BD = Blind Drain *SD = Subsurface Drain						*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.									
SUMMARY OF ROCK PLATING															
LINE	Beginning Slope (H:V)	Approx. Station	Ending Slope (H:V)	Approx. Station	Location LT/RT	Rock Plating Detail No. 1/2/3/4	Riprap Class* 1/2/B	Rock Plating SY							
-Y2-	1.59:1	10+30	1.59:1	10+75	LT & RT	2		390							
							TOTAL SY:	390							
*Use Class 1, 2 or B riprap if riprap class is not shown for rock plating location.															
SUMMARY OF BRIDGE WAITING PERIODS															
Bridge Description													End Bent/ Bent No.	MONTHS	
Bridge No. 747													EB1/EB2	3	

8/17/99

3/10/2025
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15:08:10



PAVEMENT REMOVAL

OVERLAY AREA

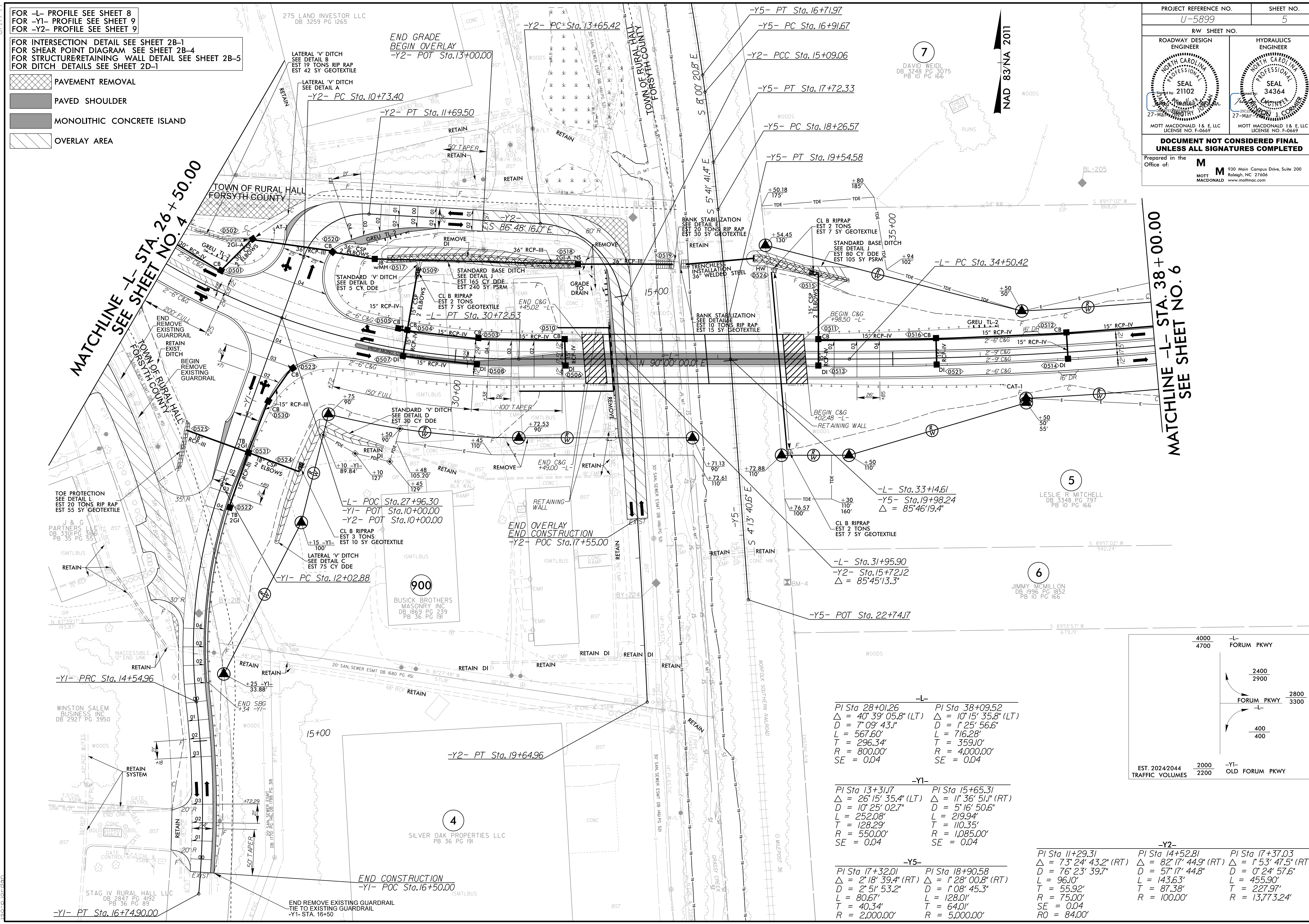
MILL & FILL AREA

FOR -L- PROFILE SEE SHEET 8

FOR DITCH DETAILS SEE SHEET 2D-1

PROJECT REFERENCE NO. <i>U-5899</i>		SHEET NO. 4
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
SEAL 21102 27-Mar-2025 MOORE 27-Mar-2025	SEAL 34364 27-Mar-2025 MACDONALD 27-Mar-2025	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		
Prepared in the Office of: M MOTT MACDONALD		
930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com		

8/17/99
3/24/2025
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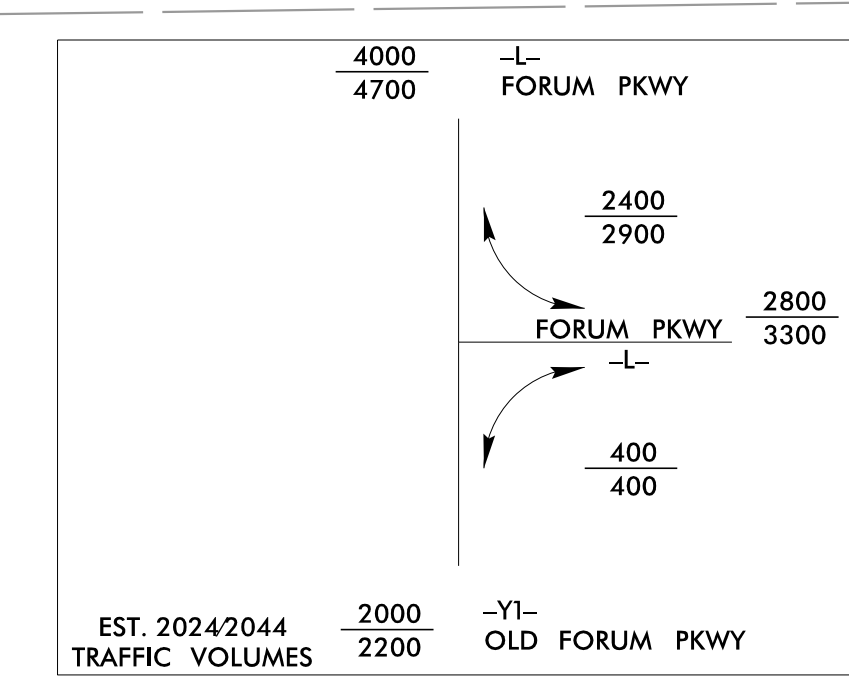
FOR -L- PROFILE SEE SHEET 8
FOR -Y1- PROFILE SEE SHEET 9
FOR -Y2- PROFILE SEE SHEET 9

FOR INTERSECTION DETAIL SEE SHEET 2B-1
FOR SHEAR POINT DIAGRAM SEE SHEET 2B-4
FOR STRUCTURE/RETAINING WALL DETAIL SEE SHEET 2B-5
FOR DITCH DETAILS SEE SHEET 2D-1

PAVEMENT REMOVAL
PAVED SHOULDER
MONOLITHIC CONCRETE ISLAND
OVERLAY AREA

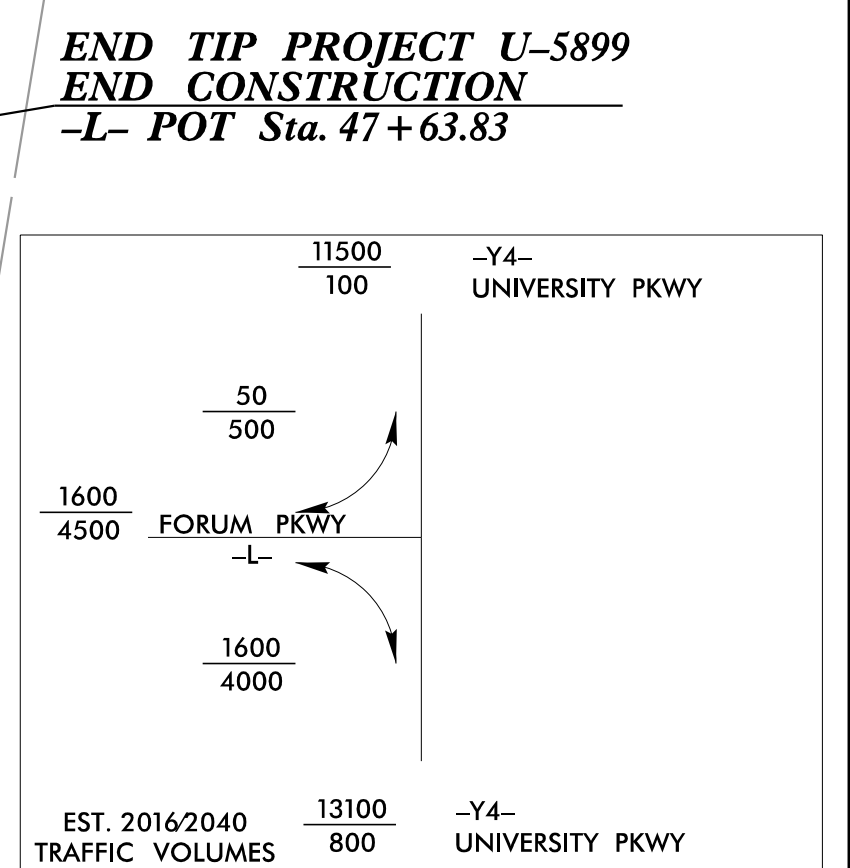
PROJECT REFERENCE NO. U-5899		SHEET NO. 5	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER DAVID WEIDL DB 3248 PG 3075 PB 10 PG 166		HYDRAULICS ENGINEER MOTT MACDONALD I & E, LLC LICENSE NO. F-0669	
SEAL 21102		SEAL 34364	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
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-L-		-Y1-		-Y2-	
PI Sta 28+01.26 Δ = 40° 39' 05.8" (LT) D = 7° 09' 43.1" L = 567.60' T = 296.34' R = 800.00' SE = 0.04	PI Sta 38+09.52 Δ = 10° 15' 35.8" (LT) D = 1° 25' 56.6" L = 716.28' T = 359.10' R = 4,000.00' SE = 0.04	PI Sta 13+31.17 Δ = 26° 15' 35.4" (LT) D = 10° 25' 02.7" L = 252.08' T = 128.29' R = 550.00' SE = 0.04	PI Sta 15+65.31 Δ = 11° 36' 51.1" (RT) D = 5° 16' 50.6" L = 219.94' T = 110.35' R = 1,085.00' SE = 0.04	PI Sta 11+29.31 Δ = 73° 24' 43.2" (RT) D = 76° 23' 39.7" L = 96.10' T = 55.92' R = 75.00' SE = 0.04 RO = 84.00'	PI Sta 14+52.81 Δ = 82° 17' 44.9" (RT) D = 57° 17' 44.8" L = 143.63' T = 87.38' R = 100.00'
-Y1-		-Y2-		-Y1-	
PI Sta 17+32.01 Δ = 2° 18' 39.4" (RT) D = 2° 51' 53.2" L = 80.67' T = 40.34' R = 2,000.00'	PI Sta 18+90.58 Δ = 1° 28' 00.8" (RT) D = 1° 08' 45.3" L = 128.01' T = 64.01' R = 5,000.00'	PI Sta 15+37.03 Δ = 1° 53' 47.5" (RT) D = 0° 24' 57.6" L = 455.90' T = 227.97' R = 13,773.24'	PI Sta 17+37.03 Δ = 1° 53' 47.5" (RT) D = 0° 24' 57.6" L = 455.90' T = 227.97' R = 13,773.24'		

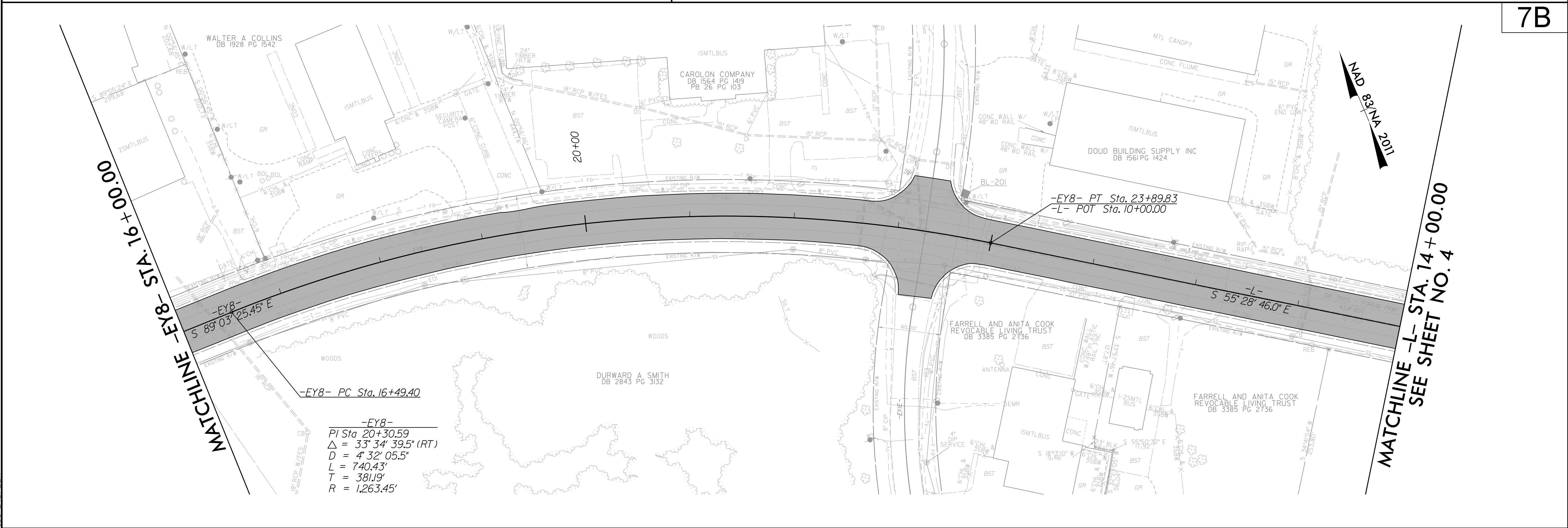
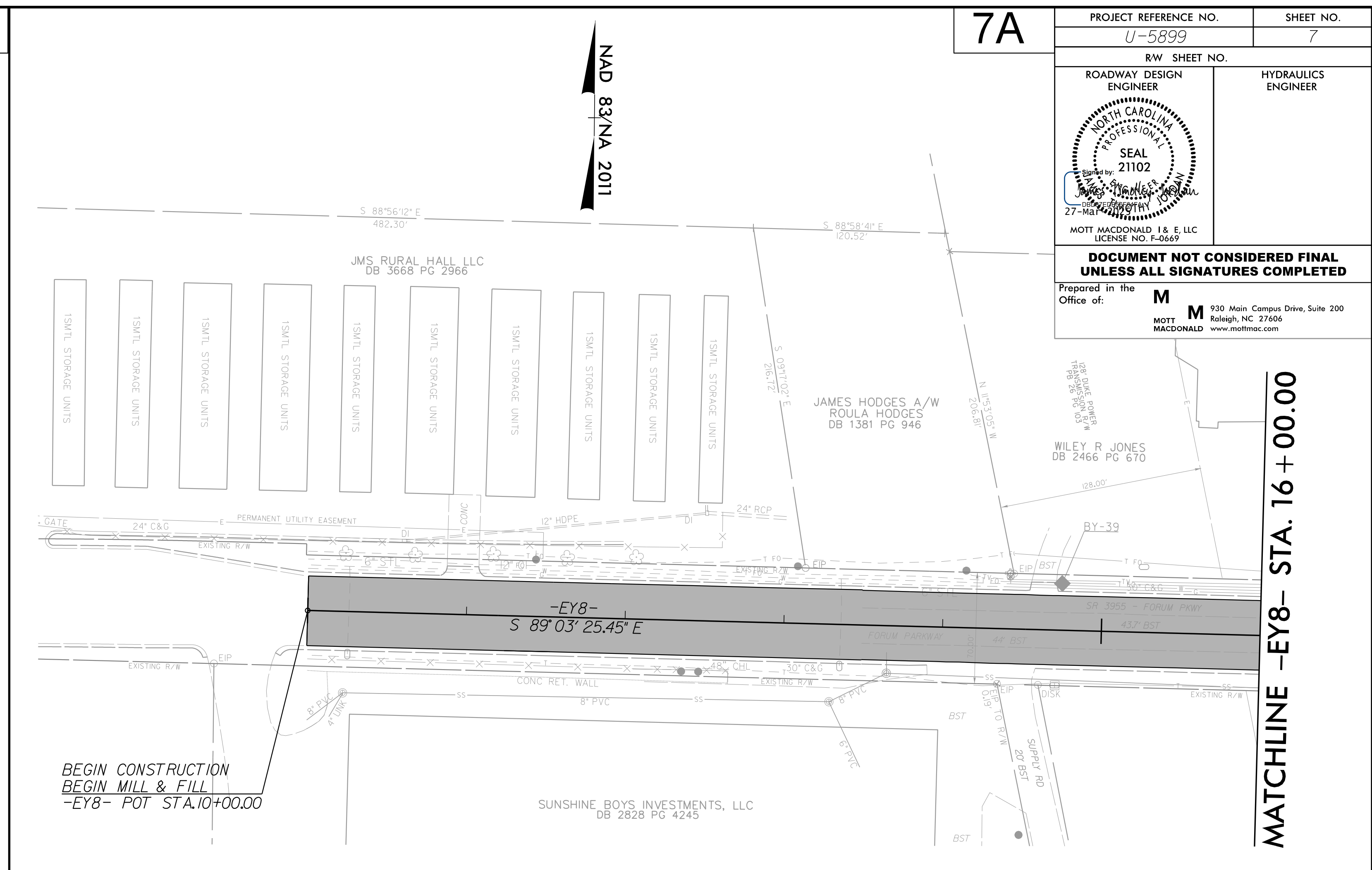
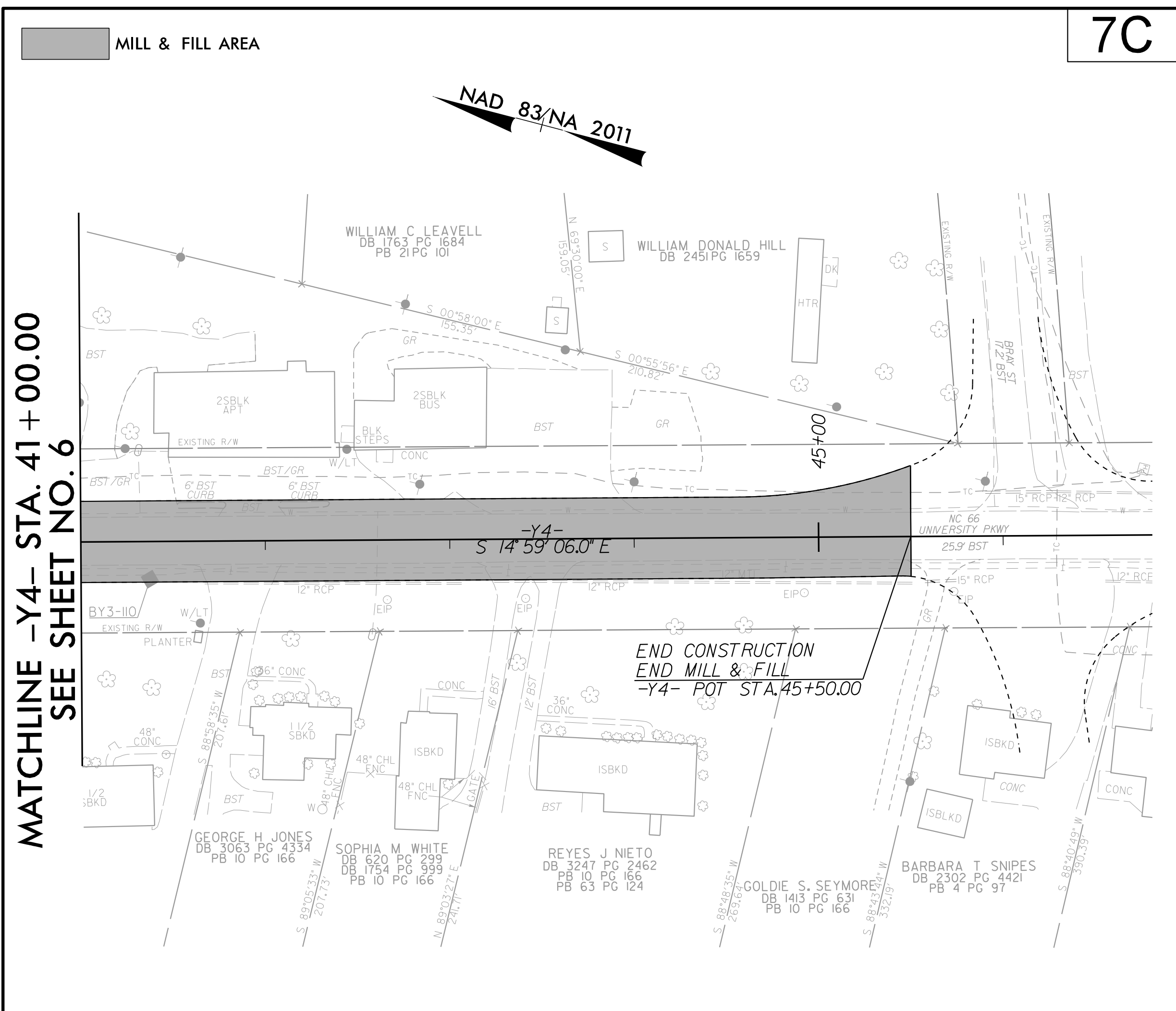


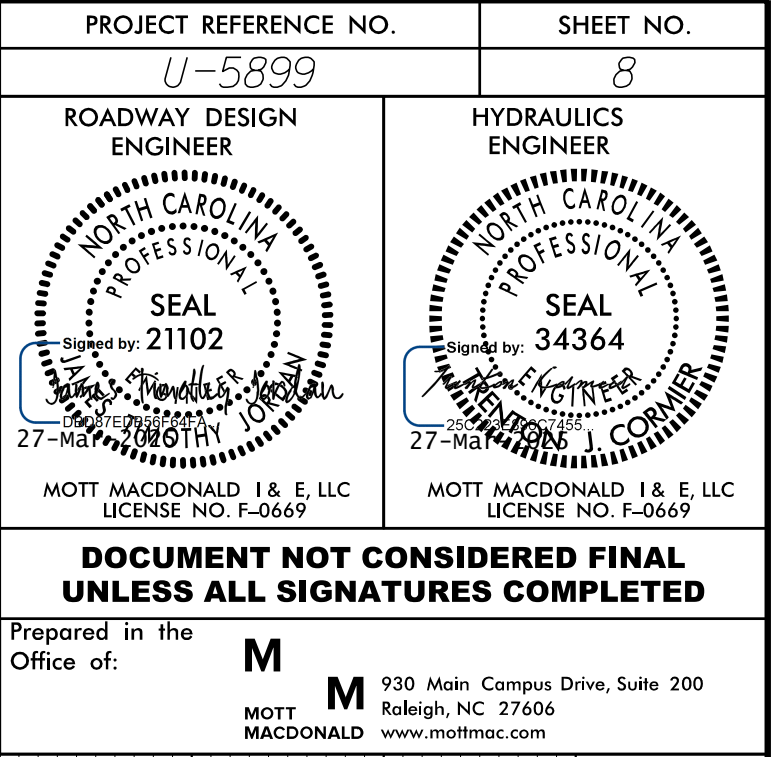


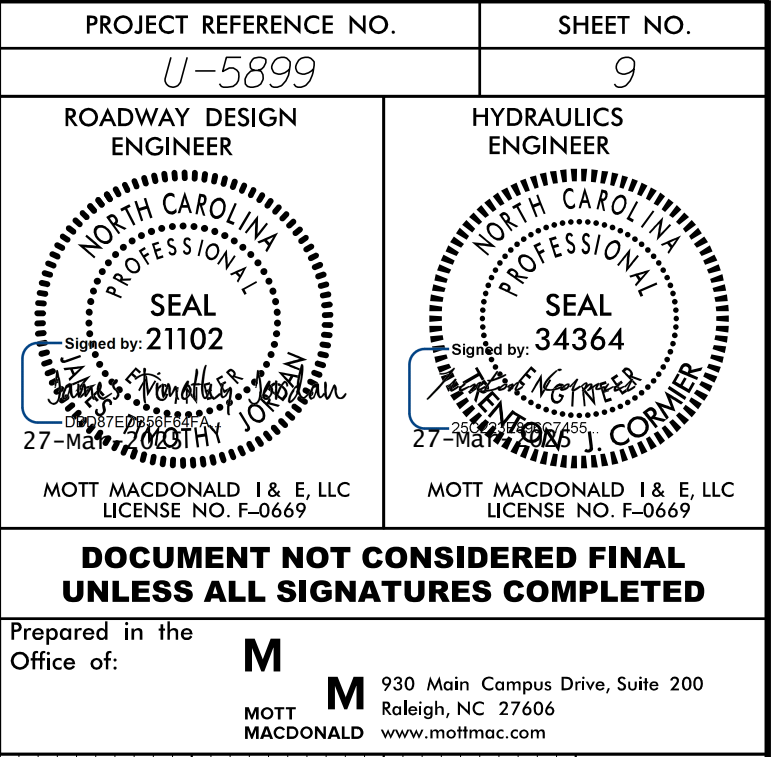
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 $45.91'$
- 3 $+34 \text{ } -Y3A-$
 $56.73'$
- 4 $+05 \text{ } -Y3A-$
 $75'$
- 5 $+77 \text{ } -Y3A-$
 $73.56'$
- 6 $+10 \text{ } -Y3A-$
 $110'$
- 7 $+55$
 $65'$
- 8 $+25$
 $63.18'$
- 9 $+92.31 \text{ } -Y4-$
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- 10 $+83.09 \text{ } -Y4-$
 $75.74'$
- 11 $+82$
 $49.12'$



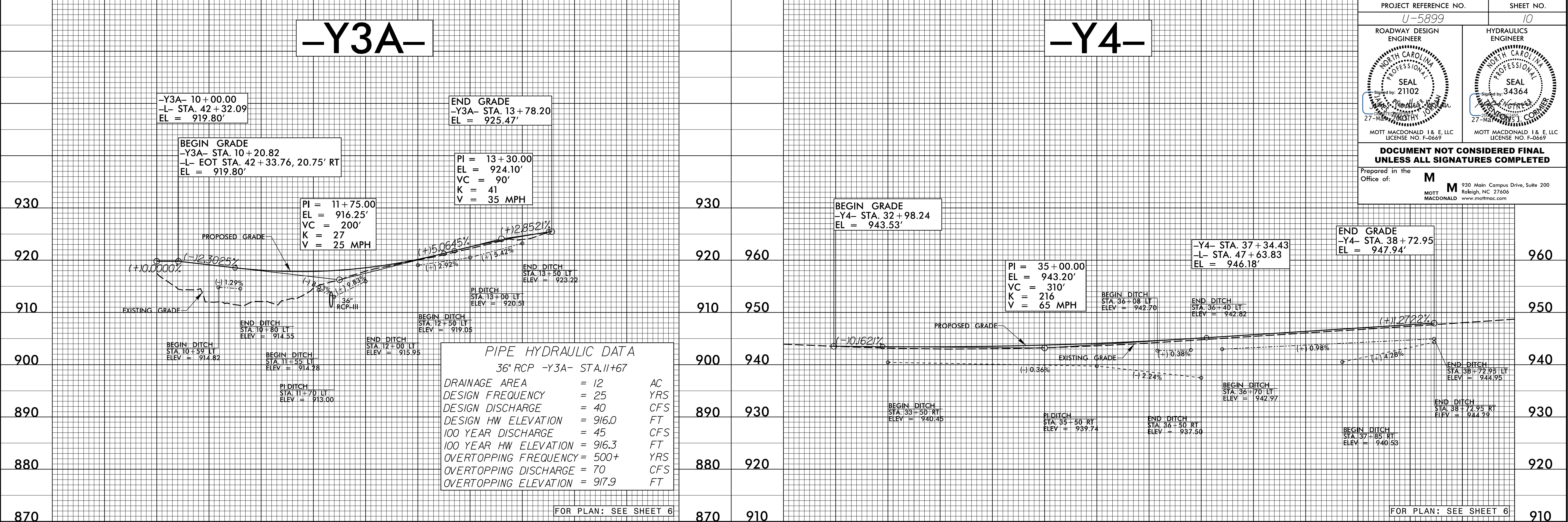
- | | |
|---|----------------------------|
| EGIN MILL & FILL | |
| 4- POT Sta.38+72.95 | |
|  | PAVEMENT REMOVAL |
|  | PAVED SHOULDER |
|  | MONOLITHIC CONCRETE ISLAND |
|  | MILL & FILL AREA |
| <div> <div>FOR -L- PROFILE SEE SHEETS 8 & 9</div> <div>FOR -Y3- PROFILE SEE SHEET 9</div> <div>FOR -Y3A- PROFILE SEE SHEET 10</div> <div>FOR -Y4- PROFILE SEE SHEET 10</div> </div> | |
| <div> <div>FOR INTERSECTION DETAIL SEE SHEET 2B-2</div> <div>FOR DRIVEWAY DETAILS SEE SHEET 2B-3</div> <div>FOR SHEAR POINT DIAGRAM SEE SHEET 2B-4</div> <div>FOR DITCH DETAILS SEE SHEET 2D-1</div> </div> | |







5/14/99



PROJECT REFERENCE NO.
U-5899

SHEET NO.
10

ROADWAY DESIGN ENGINEER

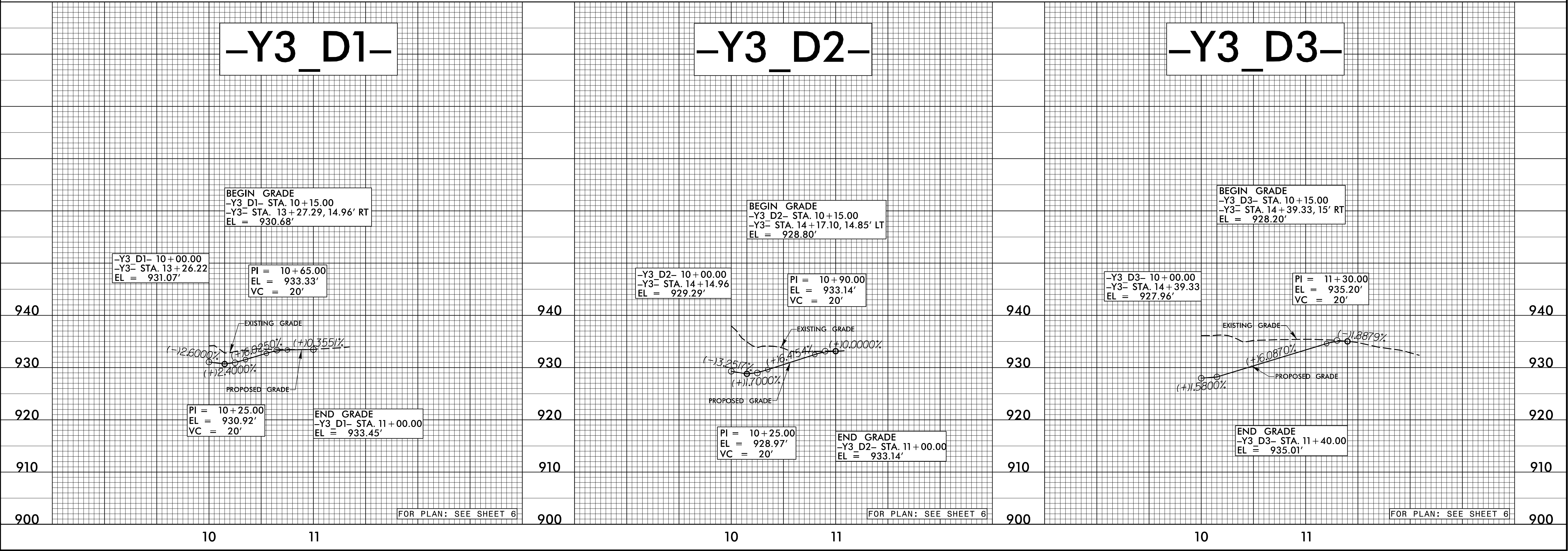
HYDRAULICS ENGINEER

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Prepared in the Office of:

930 Main Campus Drive, Suite 200
Raleigh, NC 27608
www.mottmac.com

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