

09_2025/299

TIP PROJECT: HL-00081

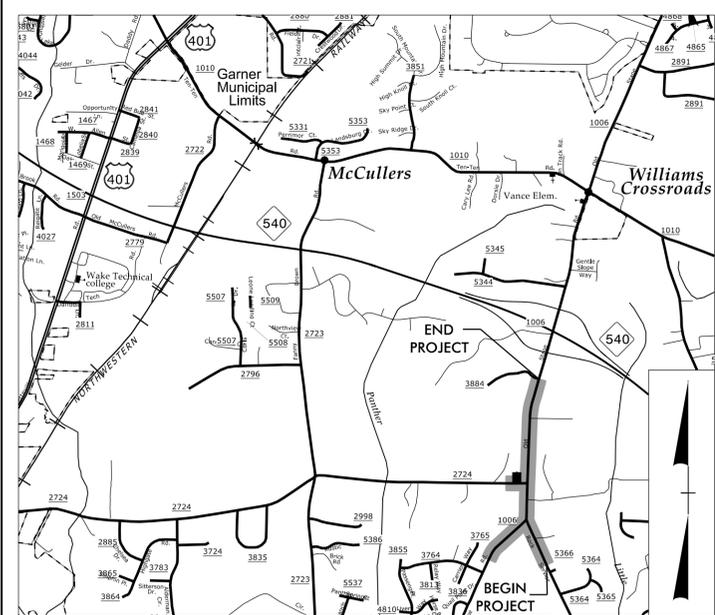
CONTRACT: C205038

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

WAKE COUNTY

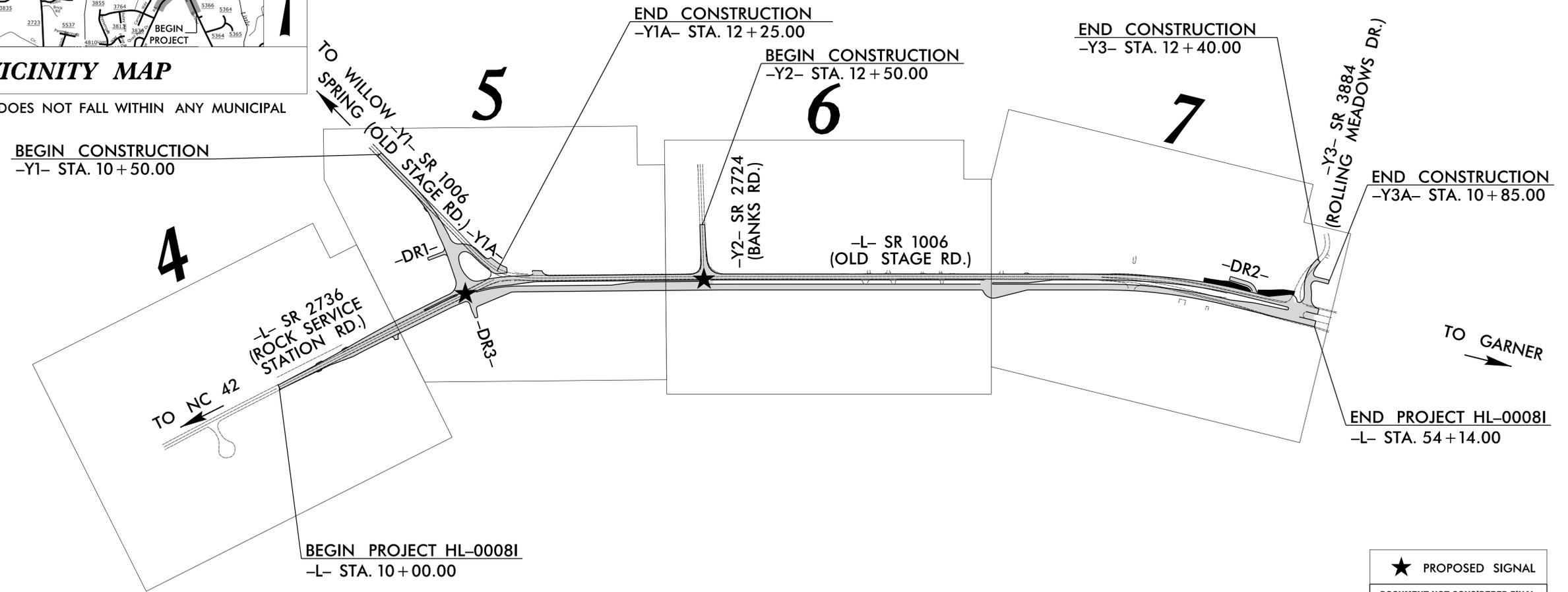
LOCATION: WIDENING SR 1006 (OLD STAGE ROAD) FROM SR 2736 (ROCK SERVICE STATION ROAD) TO SR 3884 (ROLLING MEADOWS DRIVE)
TYPE OF WORK: GRADING, DRAINAGE, PAVING & SIGNALS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	HL-00081	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
49367.1.9	NA	PE	
49367.2.10	NA	ROW	
49367.2.27	NA	UTILITIES	
49367.3.9	NA	CONSTRUCTION	

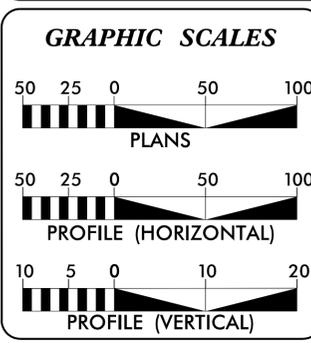


VICINITY MAP

NOTE: THIS PROJECT DOES NOT FALL WITHIN ANY MUNICIPAL BOUNDARIES.



★ PROPOSED SIGNAL
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



DESIGN DATA

ADT 2025 =	16,830
ADT 2045 =	26,400
V =	50 MPH
FUNC CLASS =	MINOR ARTERIAL

REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT HL-00081 =	0.836 MILES
TOTAL LENGTH TIP PROJECT HL-00081 =	0.836 MILES

NCDOT CONTACT: ANDREW MUSSELMAN, PE
PROJECT MANAGER, DIVISION 5

Prepared in the Office of:

320 Executive Ct.
Hillsborough, NC 27278-8551
Voice: (919) 732-3883
Fax: (919) 732-6776
www.summitde.net

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: NOVEMBER 22, 2023

LETTING DATE: MARCH 17, 2026

BRANDON W. JOHNSON, PE
PROJECT ENGINEER

FAITH E. JAHNKE, PE
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

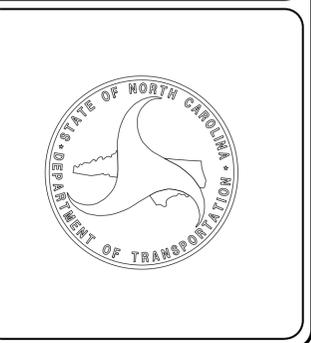
12/9/2025

DocuSigned by:
Patrick Hartnett
SIGNATURE: P.E.

ROADWAY DESIGN ENGINEER

12/9/2025

DocuSigned by:
Faith Jahnke
SIGNATURE: P.E.



8/17/24

PROJECT REFERENCE NO.	SHEET NO.
HL-00081	1A



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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	PAVEMENT SCHEDULE AND TYPICAL SECTIONS
2B-1 THRU 2B-4	ROADWAY DETAILS
2C-1 THRU 2C-7	SPECIAL DETAILS
2D-1	DRAINAGE DETAIL
3B-1	ROADWAY SUMMARIES
3D-1 THRU 3D-4	DRAINAGE SUMMARIES
3G-1	GEOTECHNICAL SUMMARIES
3P-1	PARCEL INDEX SHEET
4 THRU 11	PLAN AND PROFILE SHEETS
RW-01 THRU RW-07	RIGHT-OF-WAY PLANS
TMP-1 THRU TMP-27	TRAFFIC MANAGEMENT PLANS
PMP-1 THRU PMP-6	PAVEMENT MARKING PLANS
EC-1 THRU EC-12	EROSION CONTROL PLANS
RF-1	REFORESTATION PLANS
SIGN-1 THRU SIGN-6	SIGNING PLANS
SIG-1.0 THRU SIG-5.4	SIGNAL PLANS
SIG-M1A THRU SIG-M9	STANDARD METAL POLE SHEETS
SCP-1 THRU SCP-8	SIGNAL COMMUNICATION PLANS
UO-1 THRU UO-5	UTILITIES BY OTHERS PLANS
X-1 THRU X-1A	CROSS-SECTION SUMMARY SHEET
X-2 THRU X-29	CROSS-SECTIONS

GENERAL NOTES: 2024 SPECIFICATIONS
EFFECTIVE: 01-16-2024
REVISED:

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

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 WILL BE PAID FOR AS "EXTRA WORK" IN ACCORDANCE WITH SECTION 104-7

UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE DUKE ENERGY, SEGRA, VERIZON, CATV-SPECTRUM, CARDINAL PIPELINE and AT&T.

RIGHT-OF-WAY MARKERS:

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

EFF. 01-16-2024
REV.

2024 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Contracts Standards and Development Unit - 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
275.01	Rock Plating
DIVISION 3 - PIPE CULVERTS	
300.01	Method of Pipe Installation (Use Details in Lieu of Standards for Sheets 1 and 2 of 2)
310.10	Driveway Pipe Construction
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	
654.01	Pavement Repairs
DIVISION 8 - INCIDENTALS	
806.01	Concrete Right-of-Way Marker
806.02	Granite Right-of-Way Marker
806.03	Concrete Contol of Access Marker
815.02	Subsurface Drain
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
840.18	Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe
840.19	Concrete Grated Drop Inlet Type 'D' - 12" thru 36" Pipe
840.24	Frames and Narrow Slot Sag Grates
840.25	Anchorage for Frames - Brick or Concrete or Precast
840.27	Brick Grated Drop Inlet Type 'B' - 12" thru 36" Pipe
840.28	Brick Grated Drop Inlet Type 'D' - 12" thru 36" Pipe
840.29	Frames and Narrow Slot Flat Grates
840.31	Concrete Junction Box - 12" thru 66" Pipe
840.32	Brick Junction Box - 12" thru 66" Pipe
840.35	Traffic Bearing Grated Drop Inlet - for Cast Iron Double Frame and Grates
840.45	Precast Drainage Structure
840.46	Traffic Bearing Precast Drainage Structure
840.54	Manhole Frame and Cover
840.66	Drainage Structure Steps
846.01	Concrete Curb, Gutter and Curb & Gutter
848.02	Driveway Turnout - Radius Type
848.04	Street Turnout
852.01	Concrete Islands
852.04	Method for Placement of Drop Inlets in Grassed Median - Using 1'-6" Curb and Gutter
852.06	Method for Placement of Drop Inlets in Concrete Islands
862.01	Guardrail Placement (Use Details in Lieu of Standards for Sheets 4, 6, 12, and 14 of 15)
876.01	Rip Rap in Channels and Ditches
876.04	Drainage Ditches with Class 'B' Rip Rap

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Faith Jabonko

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS 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	(123)
Existing Fence Line	-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-S-
Potential Contamination Area: Soil	-S-S-
Known Contamination Area: Water	-W-W-
Potential Contamination Area: Water	-W-W-
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	-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	○
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	-C-
Proposed Slope Stakes Fill	-F-
Proposed Curb Ramp	CR
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	PH
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	PH
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	PH
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)*	-----

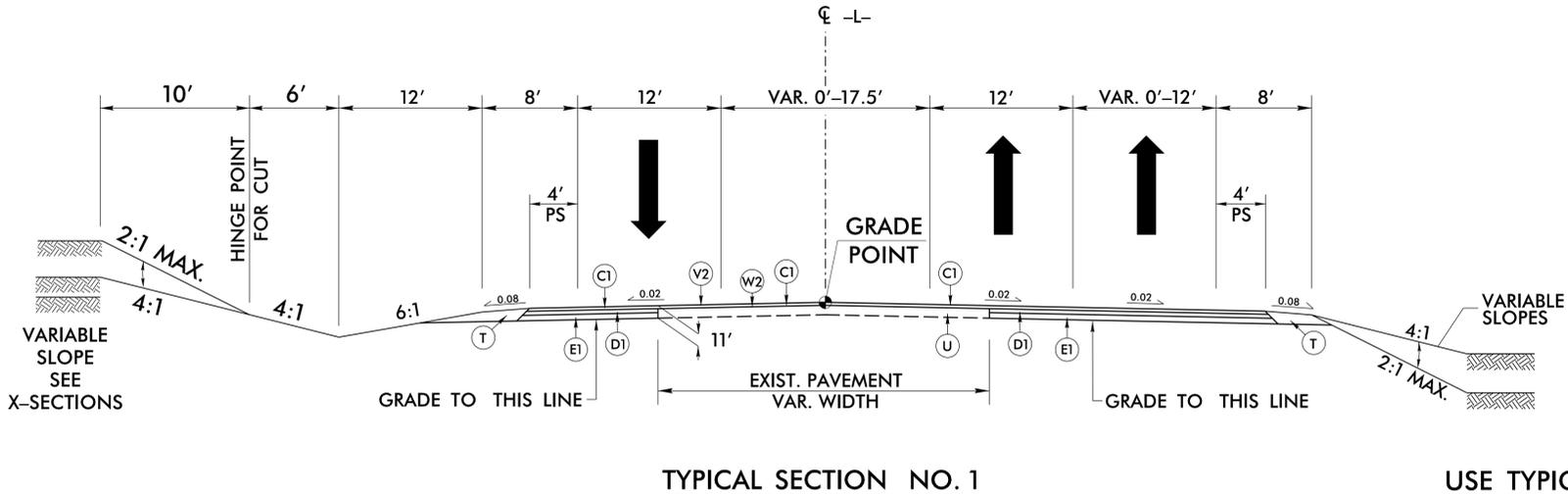
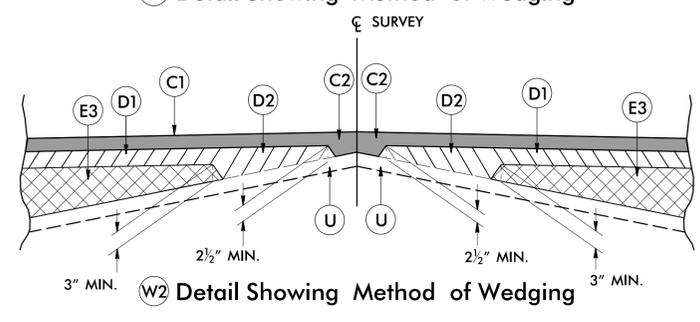
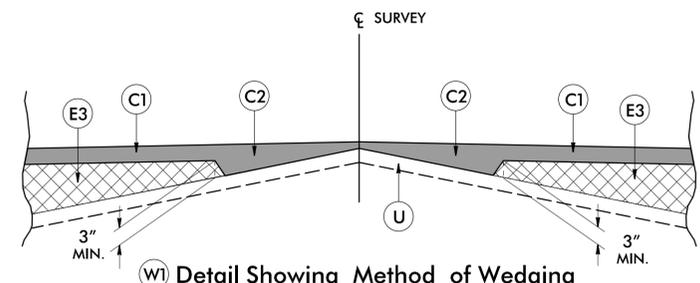
MISCELLANEOUS:

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.	UST
A/G Tank; Water, Gas, Oil	□
Geoenvironmental Boring	⊕
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

6/2/2025

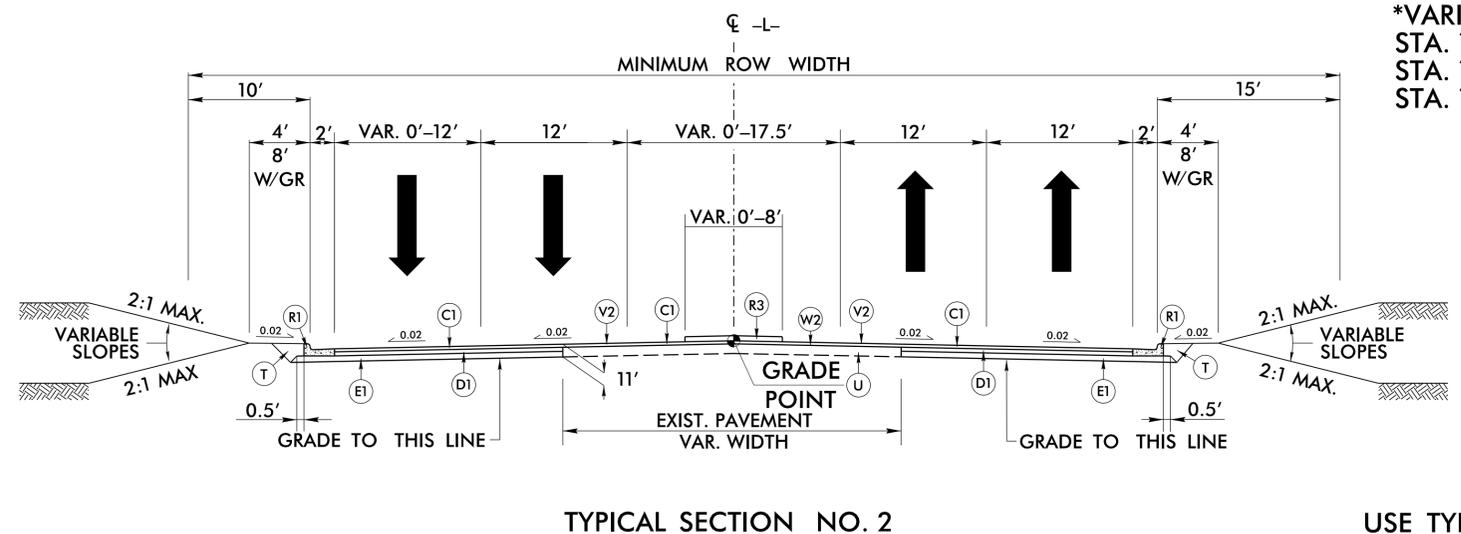
PAVEMENT SCHEDULE (FINAL PAVEMENT DESIGN)	
C1	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
C2	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 1½" IN DEPTH.
D1	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
D2	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 GREATER THAN 4" OR LESS THAN 2½" IN DEPTH.
E1	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E2	PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
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 GREATER THAN 5½" IN DEPTH OR LESS THAN 3" IN DEPTH.
J	8" AGGREGATE BASE COURSE
R1	2'-6" CONC. CURB AND GUTTER
R2	1'-6" CONC. CURB AND GUTTER
R3	5" MONOLITHIC CONCRETE ISLAND (KEYED-IN)
R4	6" CONCRETE DRIVEWAY.
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V1	INCIDENTAL MILLING OF BITUMINOUS PAVEMENT (VARIABLE DEPTH 0"-3")
V2	MILLING OF BITUMINOUS PAVEMENT (VARIABLE DEPTH 0"-3")
W1	VARIABLE DEPTH ASPHALT PAVEMENT (SEE STANDARD WEDGING DETAIL ON THIS SHEET)
W2	VARIABLE DEPTH ASPHALT PAVEMENT (SEE STANDARD WEDGING DETAIL ON THIS SHEET)

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



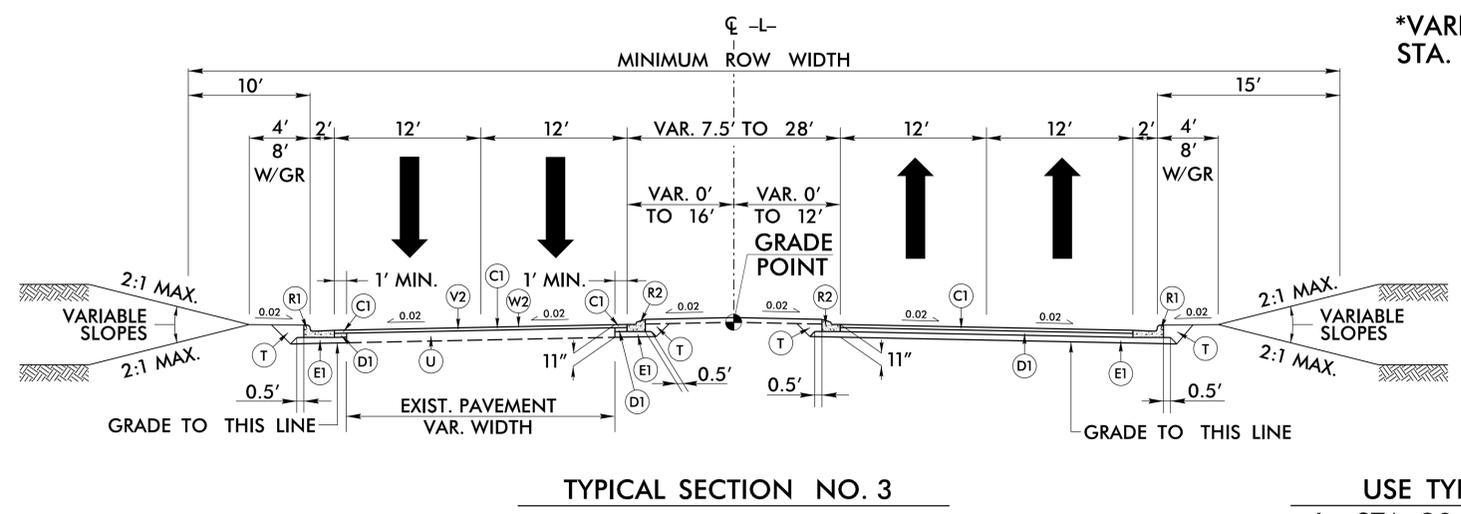
USE TYPICAL SECTION NO. 1
-L- STA. 10+00.00 TO STA. 15+80.00

*VARIABLE MILLING REQUIRED AT:
STA. 10+75.00 TO STA. 10+80.00
STA. 12+65.00 TO STA. 13+80.00
STA. 15+60.00 TO STA. 15+80.00
(SEE CROSS SECTIONS)



USE TYPICAL SECTION NO. 2
-L- STA. 15+80.00 TO STA. 20+76.32

*VARIABLE MILLING REQUIRED AT:
STA. 15+80.00 TO STA. 17+90.00
(SEE CROSS SECTIONS)



USE TYPICAL SECTION NO. 3
-L- STA. 20+76.32 TO STA. 54+14.00

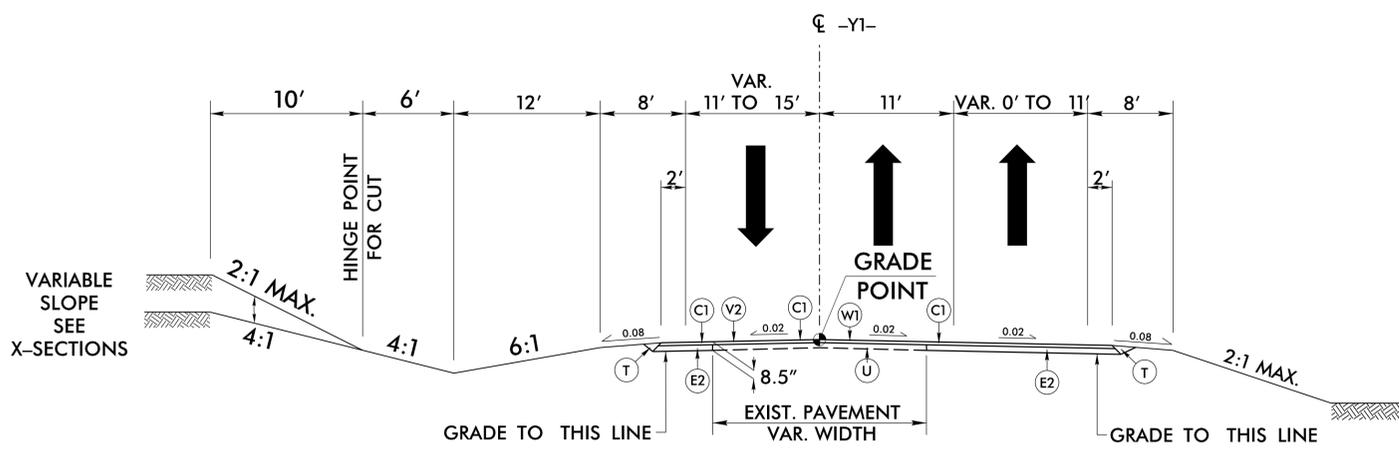
*VARIABLE MILLING REQUIRED AT:
STA. 31+90.00 TO STA. 32+90.00
STA. 52+70.00 TO STA. 53+39.00
(SEE CROSS SECTIONS)

PROJECT REFERENCE NO. HL-00081	SHEET NO. 2A-1
ROADWAY DESIGN ENGINEER 9/8/2025 Faith Jahnske	PAVEMENT DESIGN ENGINEER 9/8/2025 Andrew D. Wargo
SEAL 046981 ENGINEER NORTH CAROLINA	SEAL 044590 ENGINEER NORTH CAROLINA
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Prepared in the Office of: SUMMIT	NC FIRM LICENSE No. C-5976 120 Executive Ct. Hillsborough, NC 27278 (919) 732-3883 1991-132-6676 FAX

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zoe.zwick

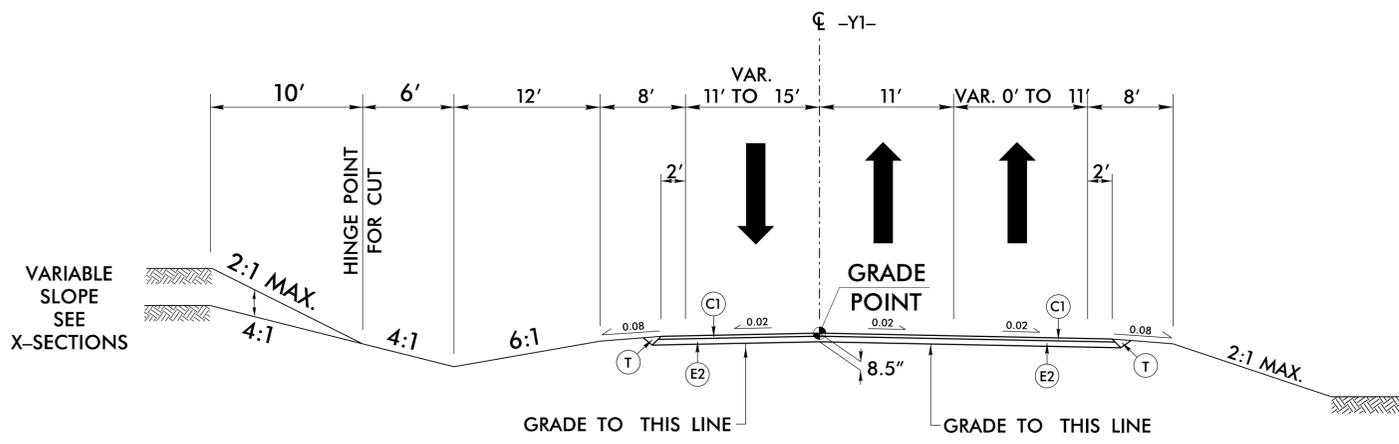
6/2/2025

PAVEMENT SCHEDULE	
C1	3" S9.5B
C2	VAR. S9.5B
D1	4" I19.0C
D2	VAR. I19.0C
E1	4" B25.0C
E2	5.5" B25.0C
E3	VAR. B25.0C
J	8" ABC
R1	2'-6" C&G
R2	1'-6" C&G
R3	MONO. ISLAND
R4	6" CONC DRWY
T	EARTH MAT.
U	EX. PAVEMENT
V1	INC. MILLING
V2	VAR. MILLING
W1	WEDGING (2)
W2	WEDGING (3)



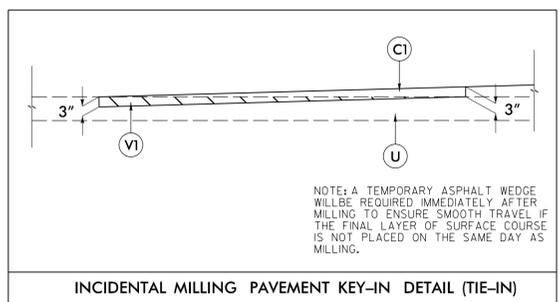
TYPICAL SECTION NO. 4

USE TYPICAL SECTION NO. 4
-Y1- STA. 10+50.00 TO STA. 14+11.00



TYPICAL SECTION NO. 5

USE TYPICAL SECTION NO. 5
-Y1- STA. 14+11.00 TO STA. 17+04.48

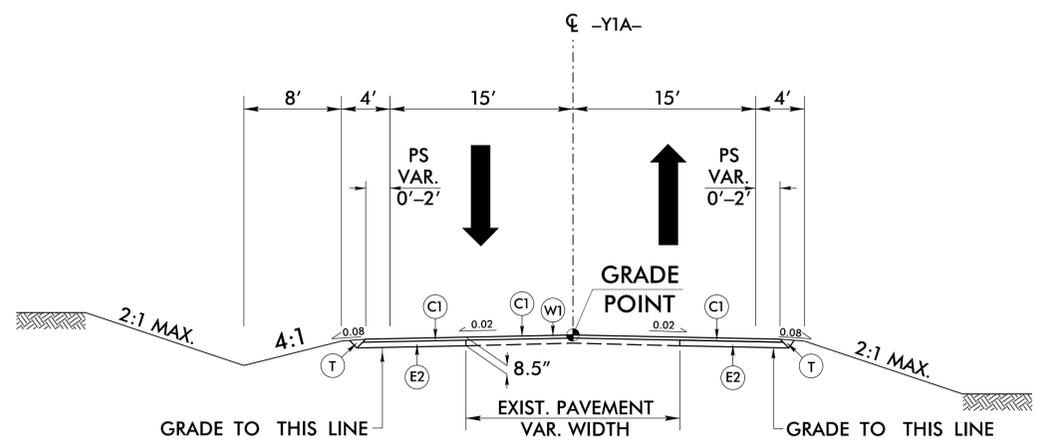


NOTE: A TEMPORARY ASPHALT WEDGE WILL BE REQUIRED IMMEDIATELY AFTER MILLING TO ENSURE SMOOTH TRAVEL IF THE FINAL LAYER OF SURFACE COURSE IS NOT PLACED ON THE SAME DAY AS MILLING.

INCIDENTAL MILLING PAVEMENT KEY-IN DETAIL (TIE-IN)

- L- STA. 10+00.00 TO STA. 10+75.00
- L- STA. 53+39.00 TO STA. 54+14.00
- Y1- STA. 10+50.00 TO STA. 11+25.00
- Y1A- STA. 10+15.00 TO STA. 10+90.00
- Y2- STA. 12+50.00 TO STA. 13+25.00
- Y3- STA. 11+65.00 TO STA. 12+40.00

STATION RANGES ARE APPROXIMATE ONLY. GRADE MAY BE ADJUSTED BY ENGINEER TO ENSURE A PROPER TIE-IN.



TYPICAL SECTION NO. 6

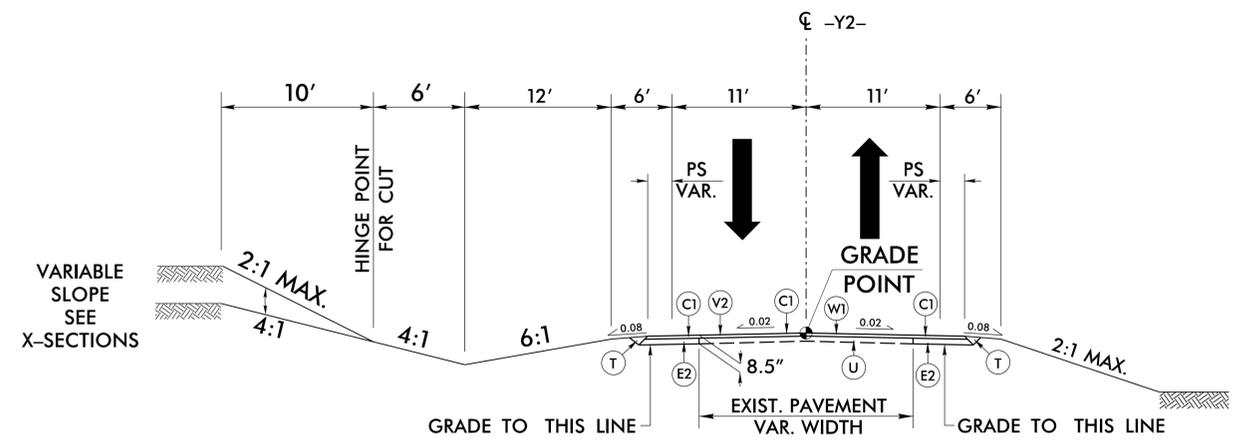
USE TYPICAL SECTION NO. 6
-Y1A- STA. 10+11.00 TO 12+25.00

PROJECT REFERENCE NO. HL-00081	SHEET NO. 2A-2
ROADWAY DESIGN ENGINEER 9/8/2025 SEAL 046981 FAITH J. JAHNKE	PAVEMENT DESIGN ENGINEER 9/8/2025 SEAL 044590 ANDREW D. WARRP
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: SUMMIT DESIGN AND ENGINEERING SERVICES NC FIRM LICENSE No. C-5976 220 Executive Ct. Hillsborough, NC 27278 (919) 732-3883 (919) 732-6676 (FAX)	

05-SEP-2025 08:47
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zoe.zwick

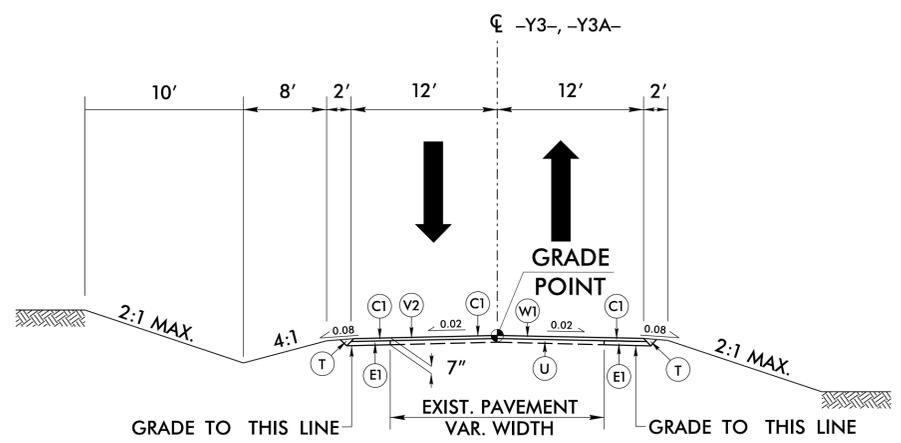
6/2/2025

PAVEMENT SCHEDULE	
C1	3" S9.5B
C2	VAR. S9.5B
D1	4" I19.0C
D2	VAR. I19.0C
E1	4" B25.0C
E2	5.5" B25.0C
E3	VAR. B25.0C
J	8" ABC
R1	2'-6" C&G
R2	1'-6" C&G
R3	MONO. ISLAND
R4	6" CONC DRWY
T	EARTH MAT.
U	EX. PAVEMENT
V1	INC. MILLING
V2	VAR. MILLING
W1	WEDGING (2)
W2	WEDGING (3)



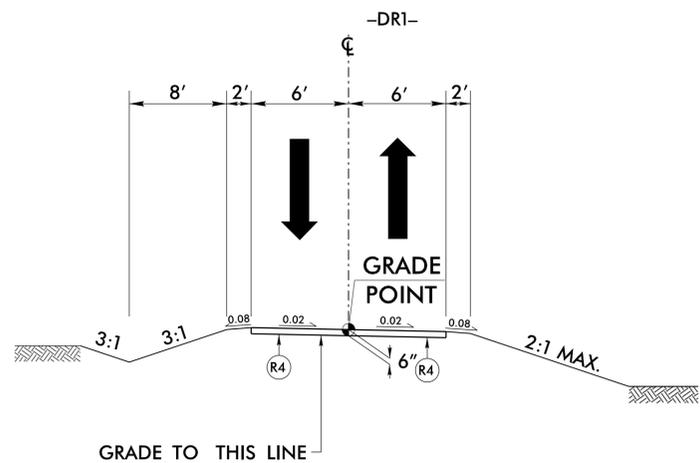
TYPICAL SECTION NO. 7

USE TYPICAL SECTION NO. 7
-Y2- STA. 12+50.00 TO STA. 14+54.98



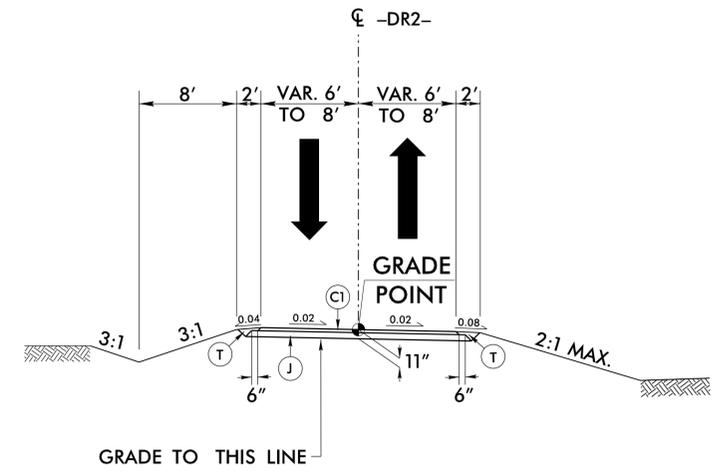
TYPICAL SECTION NO. 8

USE TYPICAL SECTION NO. 8
-Y3- STA. 10+40.00 TO STA. 12+40.00
-Y3A- STA. 10+12.00 TO STA. 10+85.00



TYPICAL SECTION NO. 9

USE TYPICAL SECTION NO. 9
-DR1- STA. 10+23.00 TO STA. 11+01.00



TYPICAL SECTION NO. 10

USE TYPICAL SECTION NO. 10
-DR2- STA. 10+41.45 TO STA. 11+69.45

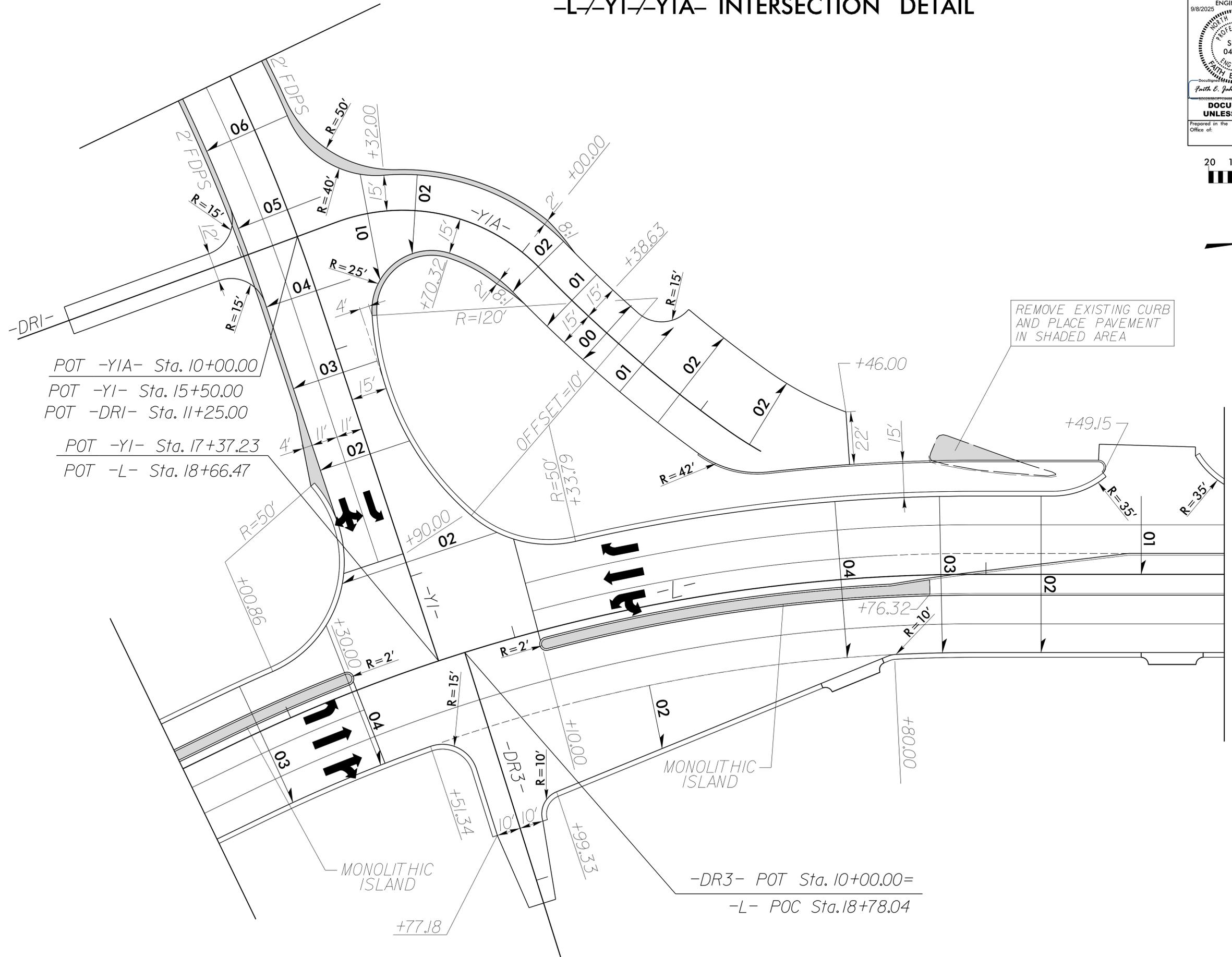
PROJECT REFERENCE NO. HL-00081	SHEET NO. 2A-3
ROADWAY DESIGN ENGINEER 9/8/2025 SEAL 046981 PAVEMENT DESIGN ENGINEER 9/8/2025 SEAL 044590	
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	
<p>Prepared in the Office of: SUMMIT DESIGN AND ENGINEERING SERVICES</p>	

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DT-200810101-10101.dgn
zoe.zwick

8/17/99

-L/-Y1/-Y1A- INTERSECTION DETAIL

PROJECT REFERENCE NO. <i>HL-00081</i>	SHEET NO. <i>2B-1</i>
ROADWAY DESIGN ENGINEER 9/8/2025	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of:	
<small>NC FIRM LICENSE No. C-5976 320 Executive Ct. Hillsborough, NC 27278 (919) 732-3883 (919) 732-6676 (FAX)</small>	

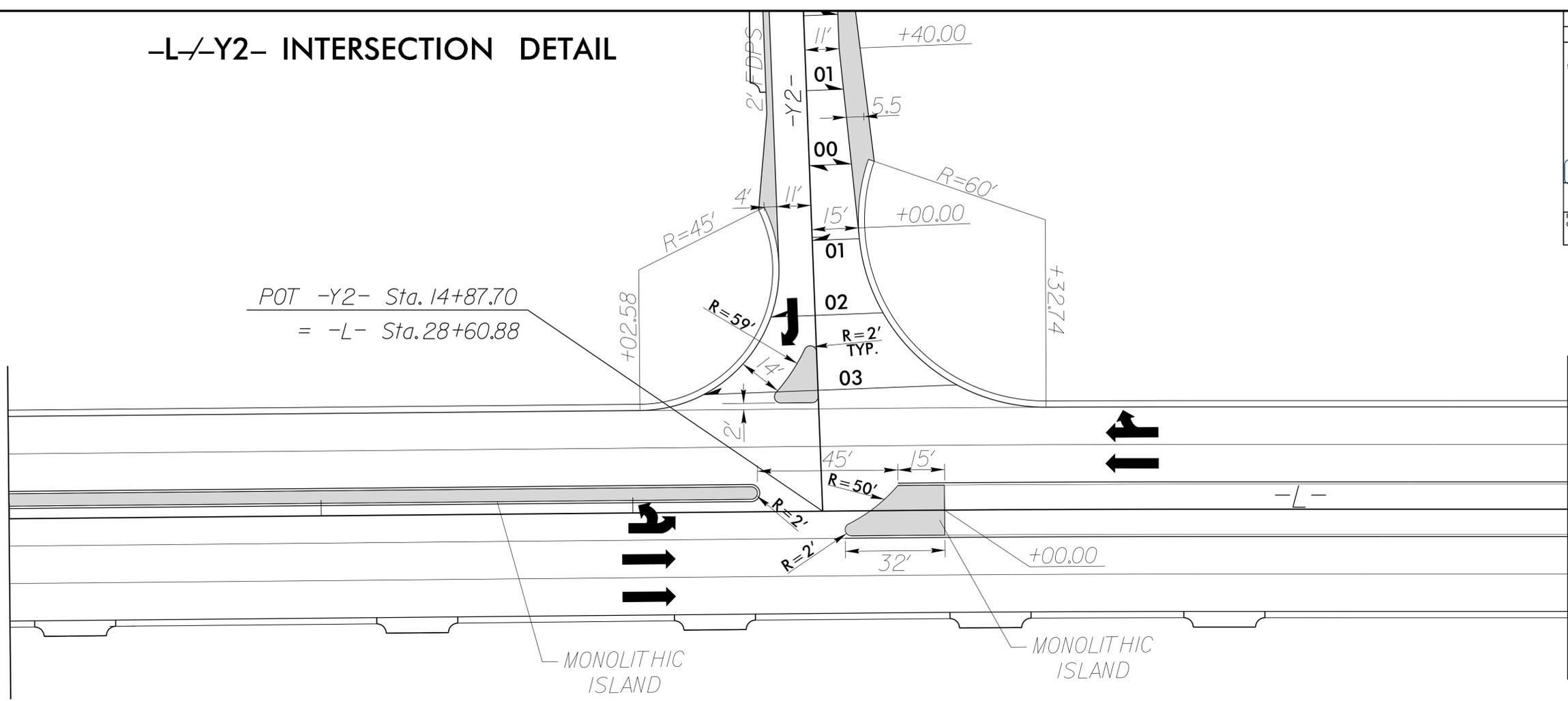


REVISIONS

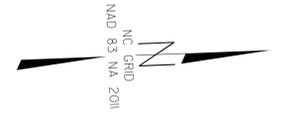
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8/17/99

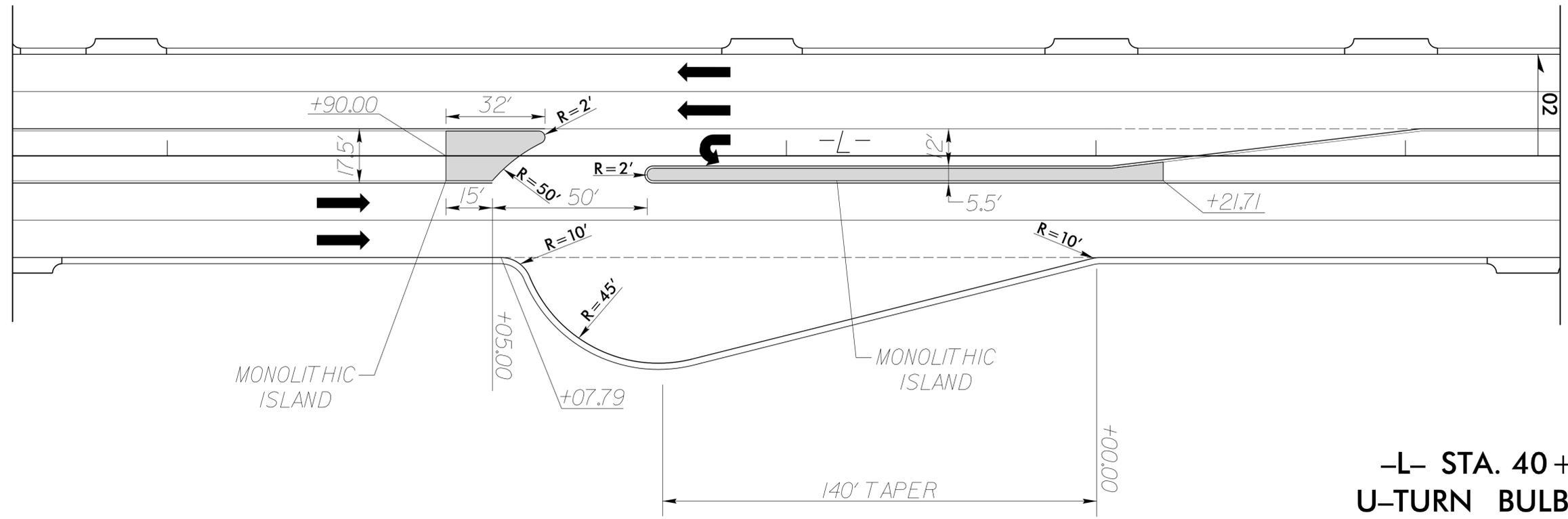
-L/-Y2- INTERSECTION DETAIL



PROJECT REFERENCE NO. HL-00081	SHEET NO. 2B-2
ROADWAY DESIGN ENGINEER 9/8/2025	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of:	 <small>NC FIRM LICENSE No. C-5976 320 Executive Ct. Hillsborough, NC 27278 (919) 732-3883 (919) 732-6676 (FAX)</small>



REVISIONS



-L- STA. 40+07.79 U-TURN BULB DETAIL

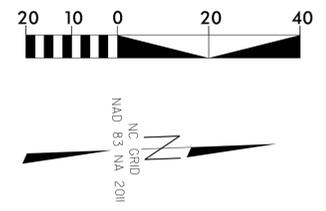
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8/17/99

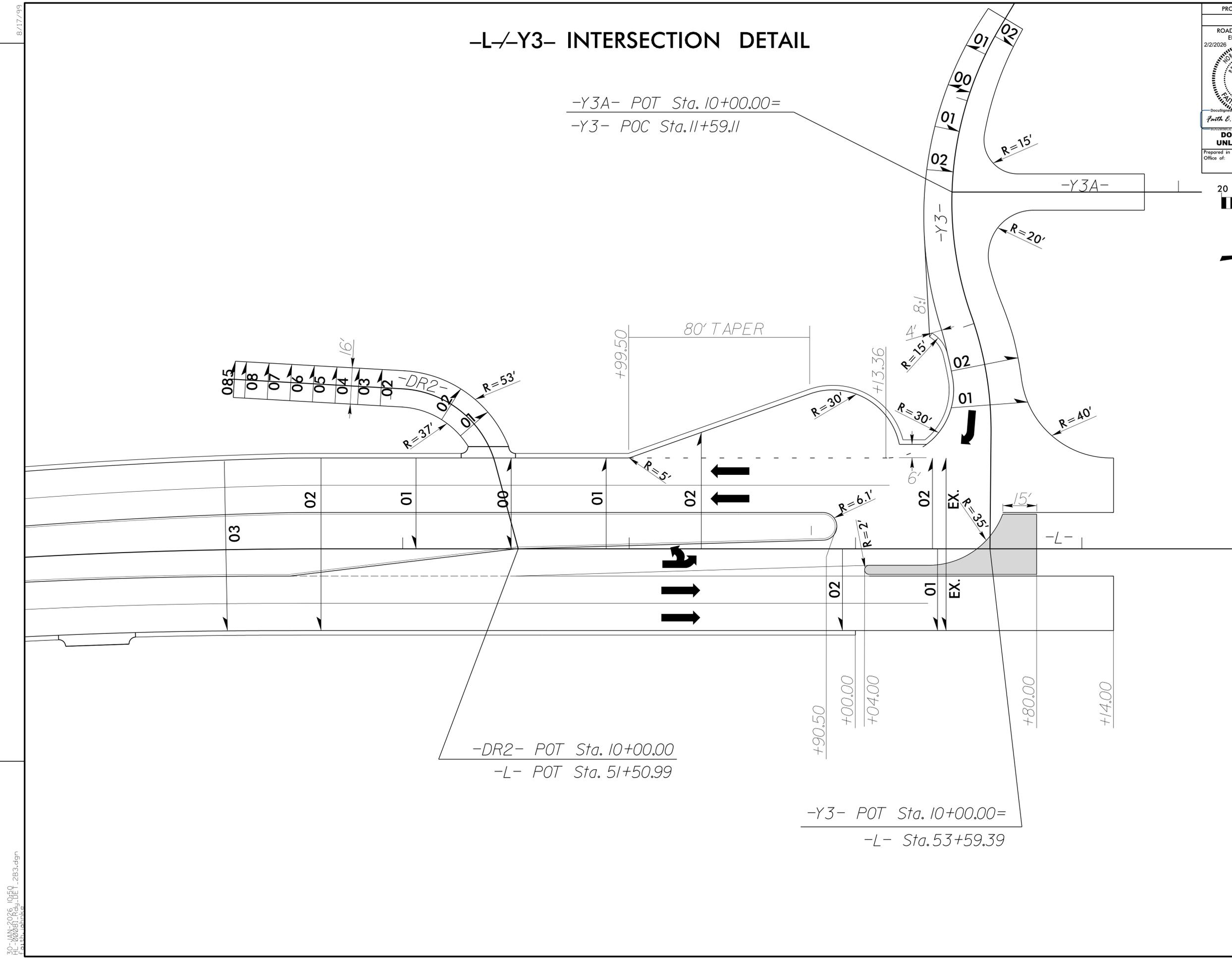
-L/-Y3- INTERSECTION DETAIL

-Y3A- POT Sta. 10+00.00=
-Y3- POC Sta. 11+59.11

PROJECT REFERENCE NO. HL-00081	SHEET NO. 2B-3
ROADWAY DESIGN ENGINEER 2/2/2026	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of:	



REVISIONS



-DR2- POT Sta. 10+00.00
-L- POT Sta. 51+50.99

-Y3- POT Sta. 10+00.00=
-L- Sta. 53+59.39

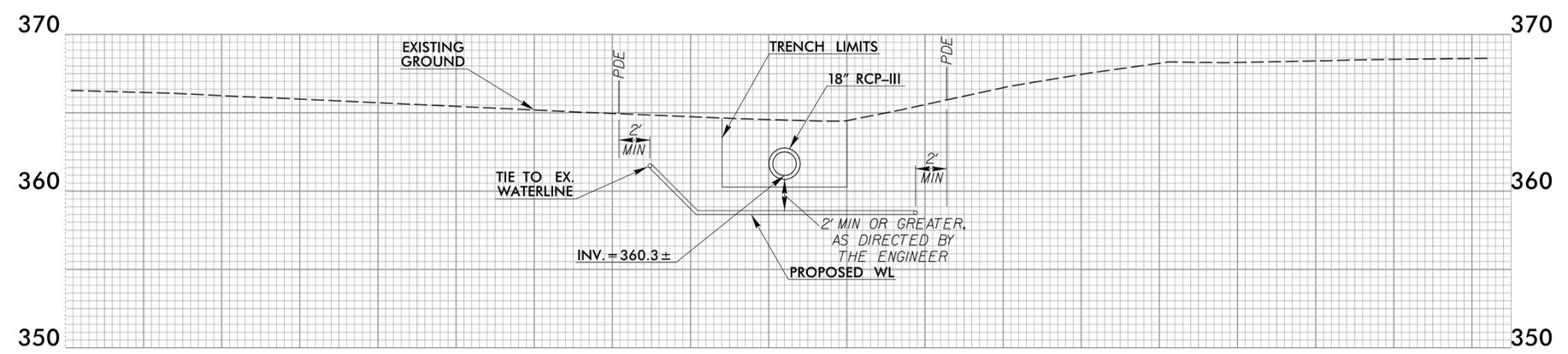
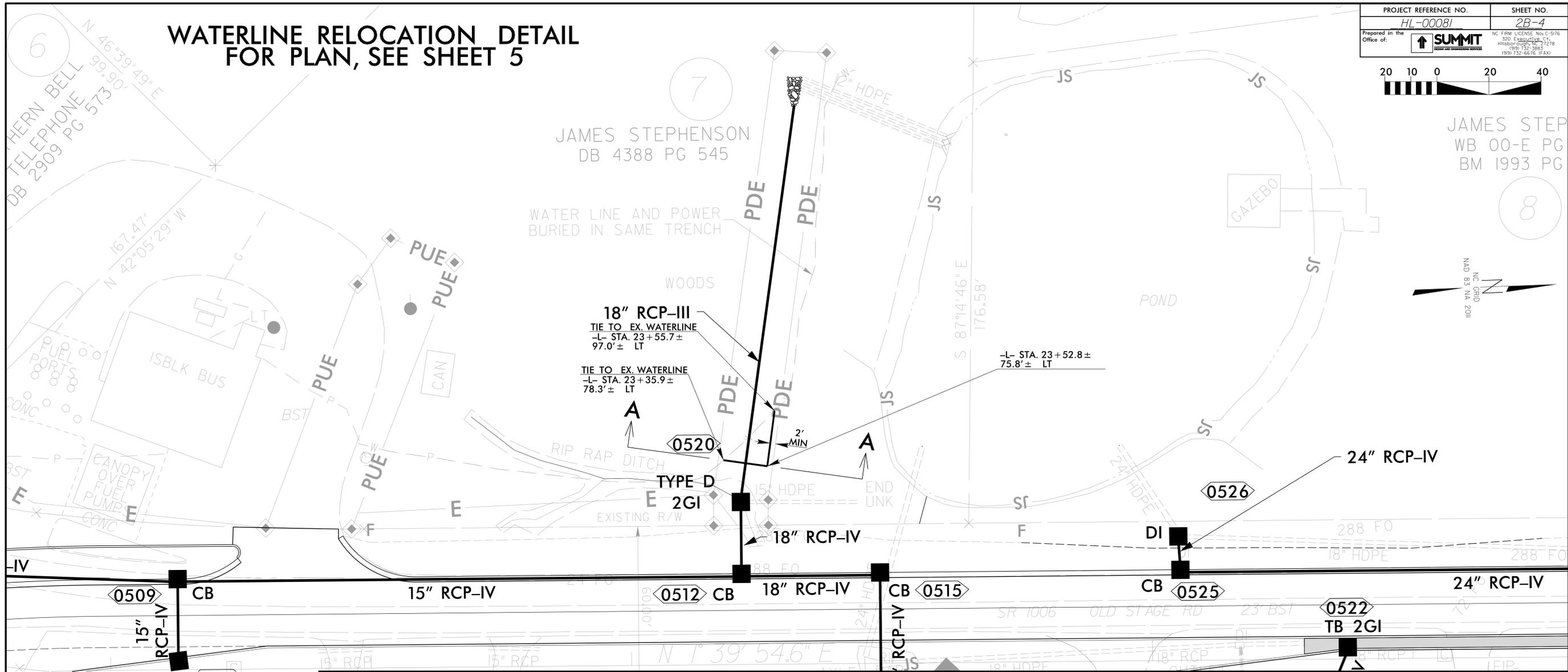
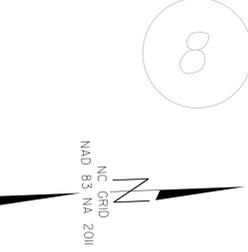
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Faith Jahnke

WATERLINE RELOCATION DETAIL FOR PLAN, SEE SHEET 5

PROJECT REFERENCE NO. HL-00081	SHEET NO. 2B-4
Prepared in the Office of: SUMMIT <small>ENGINEERS AND ARCHITECTS</small>	
NC FIRM LICENSE NO. C-5176 300 FIDELITY CT HILLSBOROUGH, NC 27278 (919) 332-3883 (919) 732-6676 (FAX)	



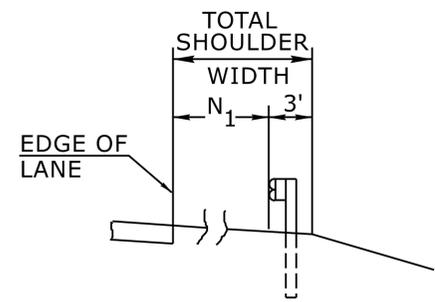
JAMES STEP
WB 00-E PG
BM 1993 PG



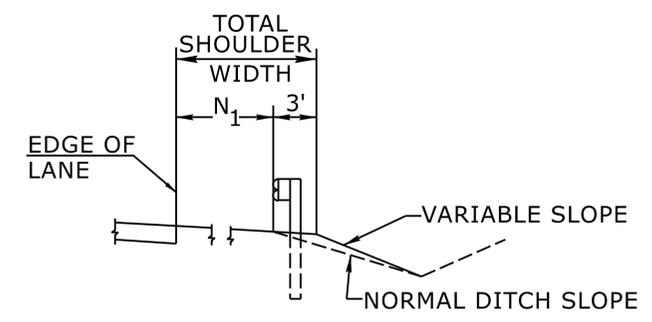
SECTION A-A



22-AUG-2005 16:37
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caulley

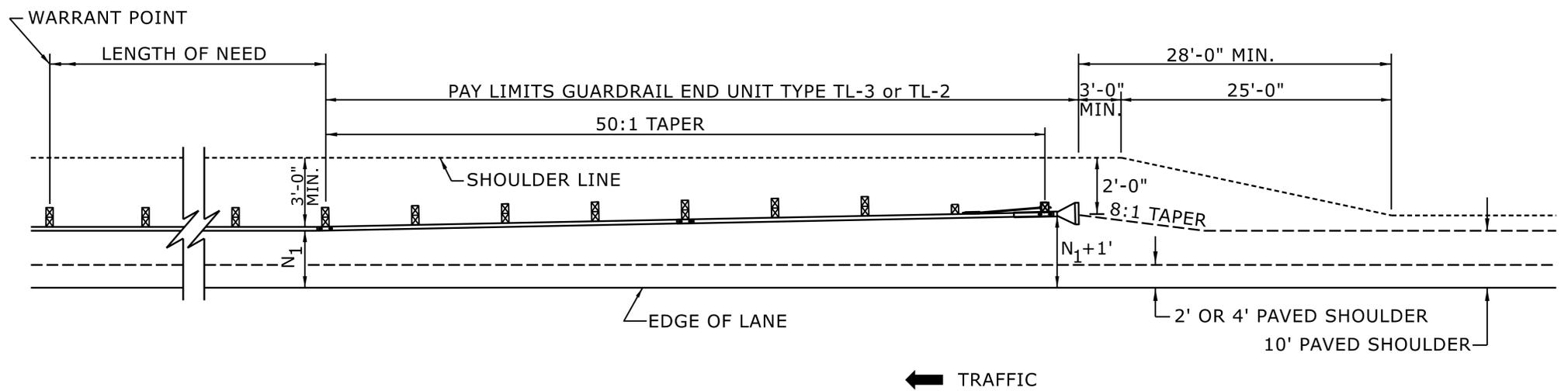


FILL SECTION



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

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

ROADWAY DETAIL DRAWING FOR
GUARDRAIL PLACEMENT

SHEET 6 OF 15
862D01

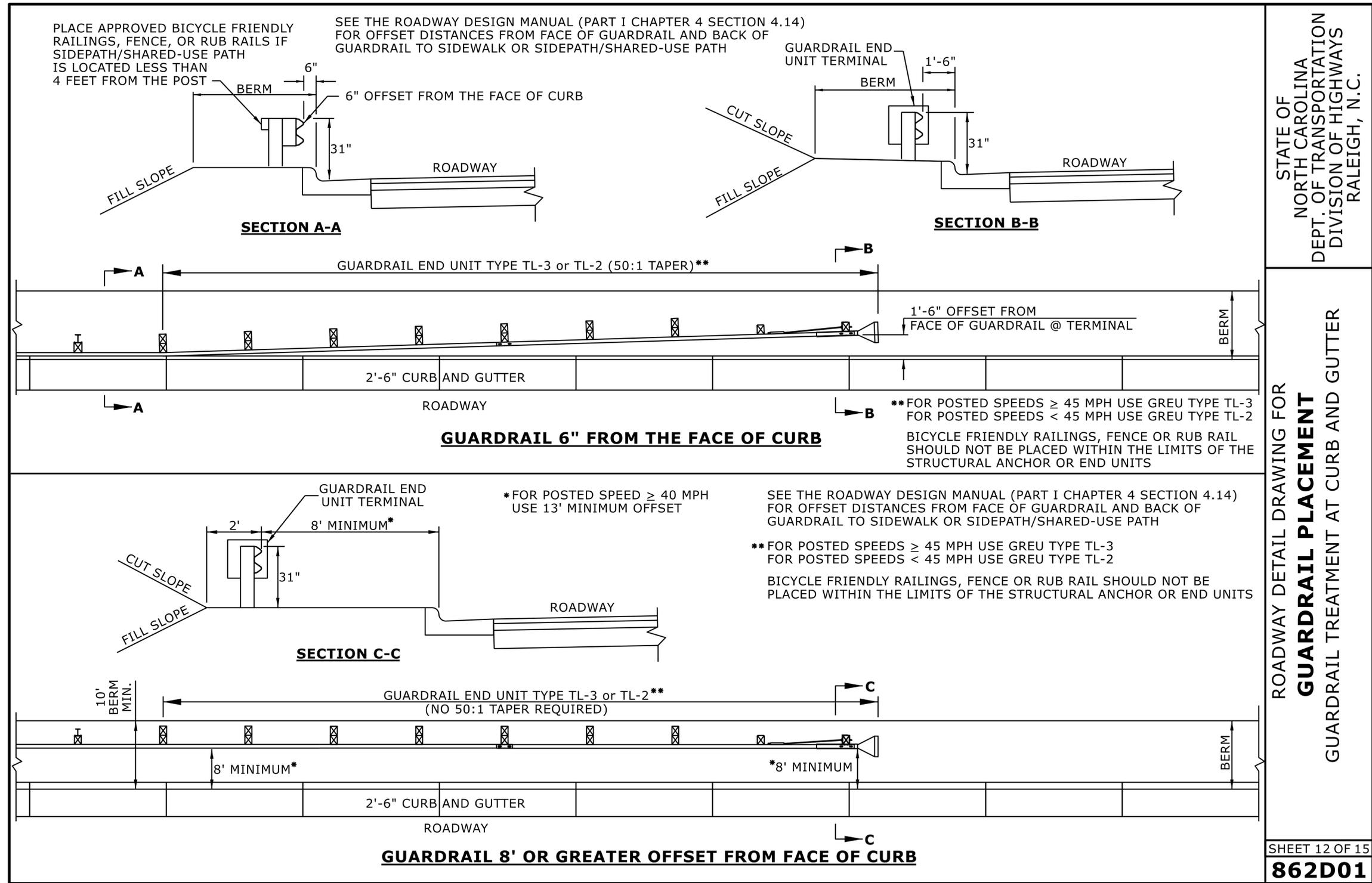


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AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

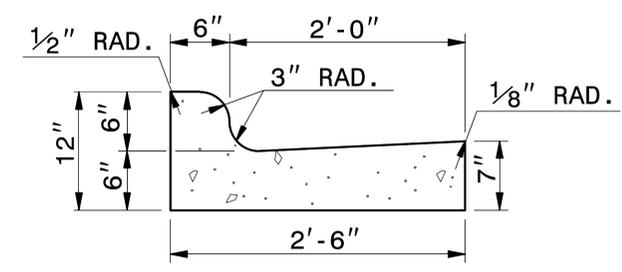
SEE TITLE BLOCK

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

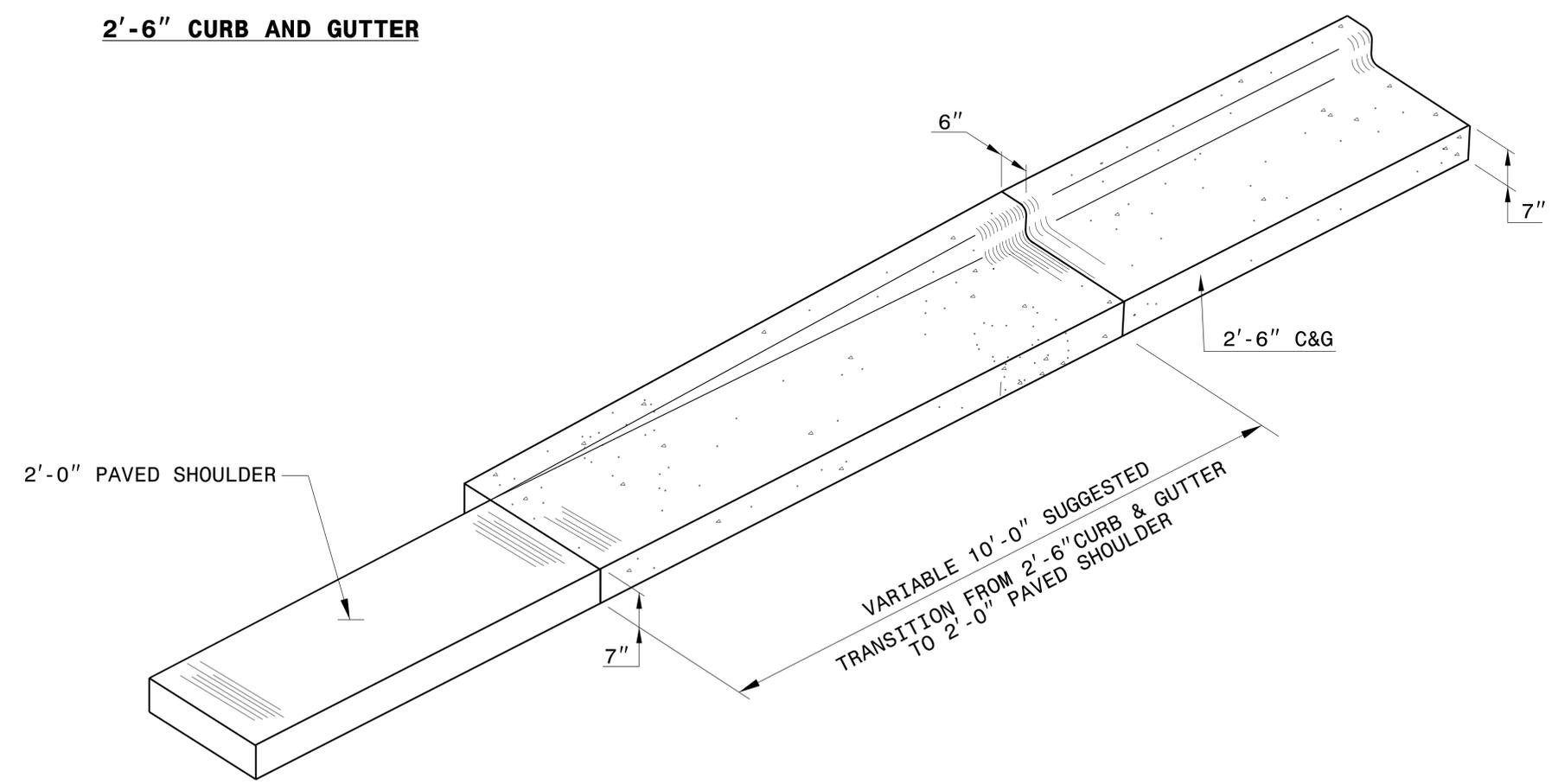


5/14/99

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



2'-6" CURB AND GUTTER



ISOMETRIC VIEW OF TRANSITION

9/8/2025



Signed by:
Nicole M. Hecker
588432034164CS

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UNLESS ALL SIGNATURES COMPLETED**

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

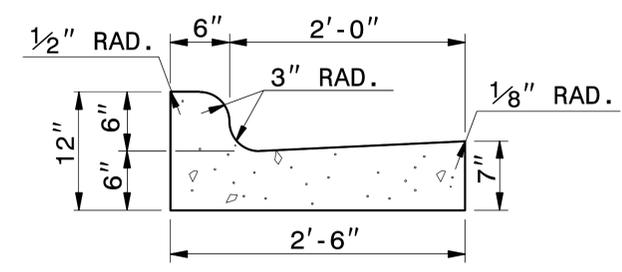
**DETAIL OF 10' TRANSITION
FROM 2'-6" CURB & GUTTER
TO 2'-0" PAVED SHOULDER**

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 MODIFIED BY: rnbritt DATE: 04-13-2016
 CHECKED BY: _____ DATE: _____
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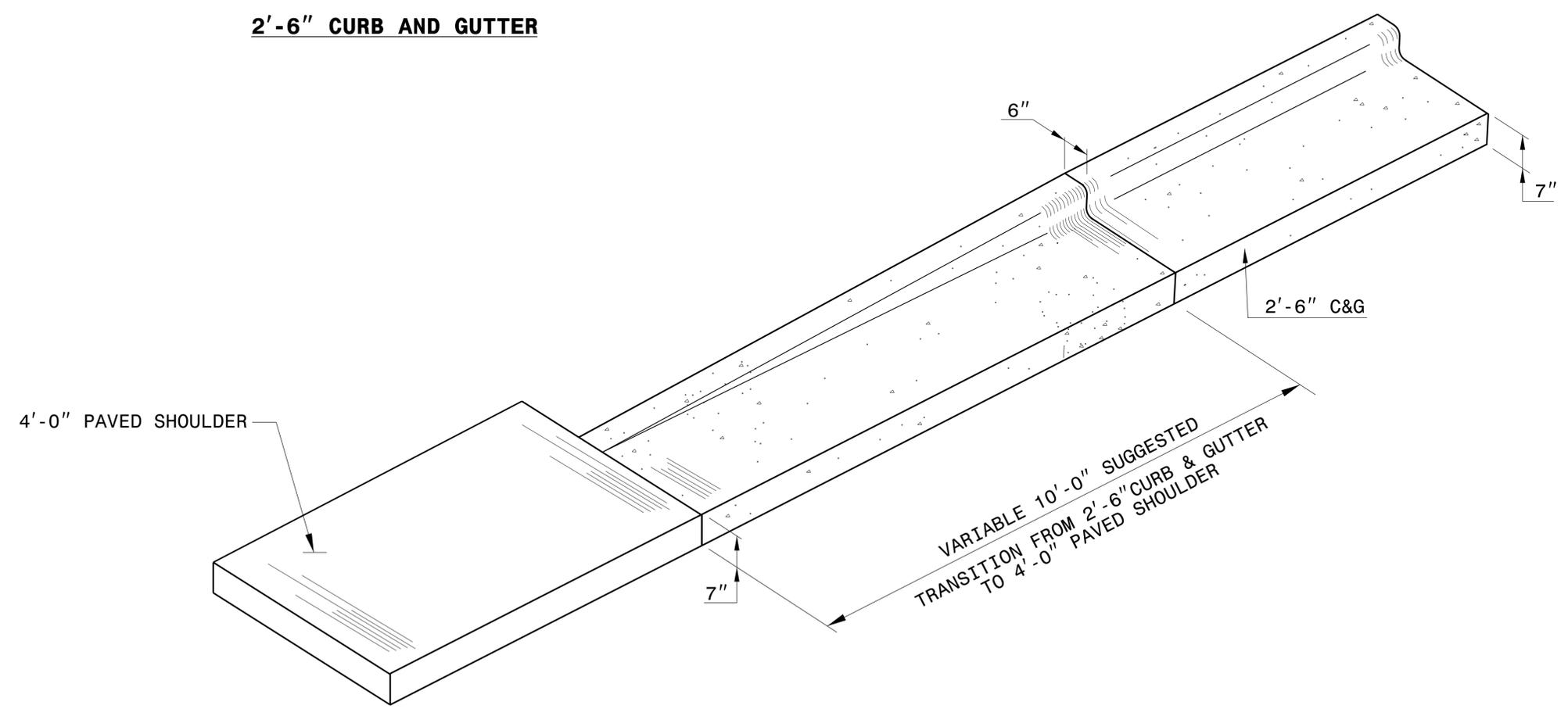
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 .jhoverton AT USD-320965

5/14/99

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



2'-6" CURB AND GUTTER



ISOMETRIC VIEW OF TRANSITION



Signed by:
Nicole M. Hecker
58849202418605

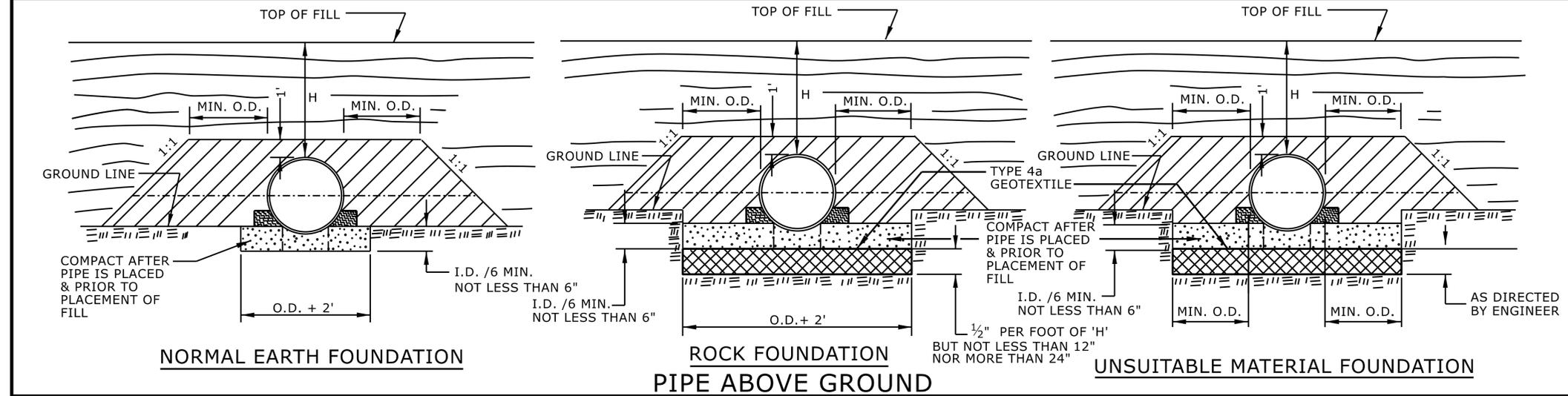
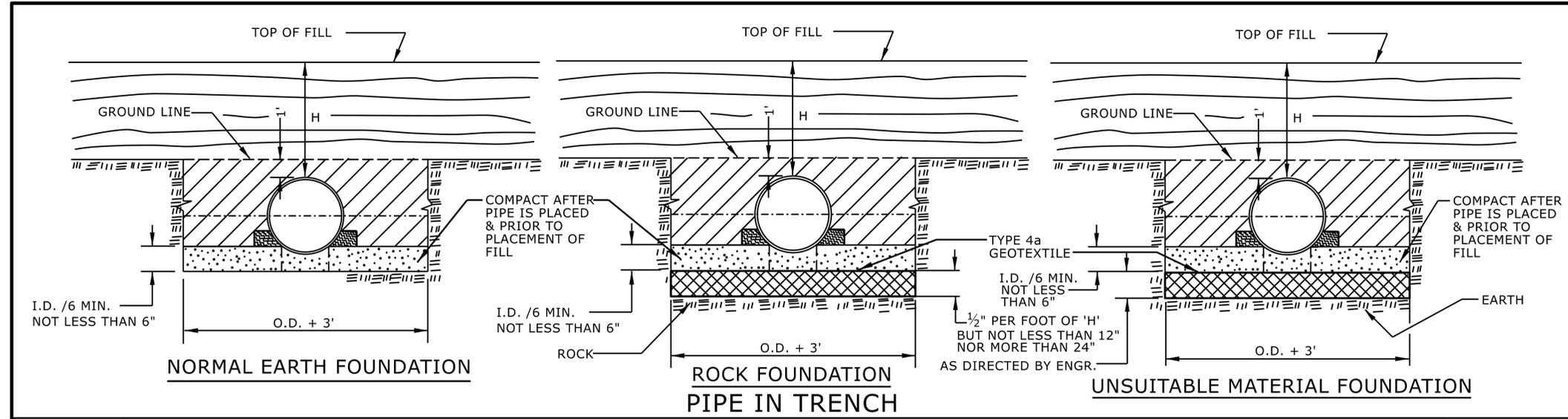
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

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

**DETAIL OF 10' TRANSITION
FROM 2'-6" CURB & GUTTER
TO 4'-0" PAVED SHOULDER**

ORIGINAL BY: _____ DATE: _____
 MODIFIED BY: rnbritt DATE: 04-13-2016
 CHECKED BY: _____ DATE: _____
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 J:\overton AT USD-320965

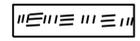


GENERAL NOTES:
 I.D. = THE MAXIMUM HORIZONTAL INSIDE DIAMETER DIMENSION.
 O.D. = THE MAXIMUM HORIZONTAL OUTSIDE DIAMETER DIMENSION.
 H = THE FILL HEIGHT MEASURED VERTICALLY AT ANY POINT ALONG THE PIPE FROM THE TOP OF THE PIPE TO THE TOP OF THE EMBANKMENT AT THAT POINT.

 APPROVED SUITABLE LOCAL MATERIAL.
 TAKE CARE TO FULLY COMPACT HAUNCH ZONE OF PIPE BACKFILL.
 LOOSELY PLACED SELECT MATERIAL CLASS III OR CLASS II, TYPE 1 FOR PIPE BEDDING. LEAVE SECTION DIRECTLY BENEATH PIPE UNCOMPACTED AS PIPE SEATING AND BACKFILL WILL ACCOMPLISH COMPACTION.

DO NOT OPERATE HEAVY EQUIPMENT OVER ANY PIPE CULVERT UNTIL THE PIPE CULVERT HAS BEEN PROPERLY BACKFILLED AND COVERED WITH AT LEAST 3 FEET OF APPROVED MATERIAL.

REFER TO NCDOT PIPE MATERIAL SELECTION GUIDE AND STANDARD SPECIFICATIONS FOR ALLOWABLE PIPE FILL HEIGHTS AND PIPE SPECIFICATIONS.

 SPRINGLINE OF PIPE
 SELECT BACKFILL MATERIAL CLASS III OR CLASS II, TYPE 1 ABOVE AND BELOW SPRINGLINE.
 UNDISTURBED EARTH MATERIAL
 SELECT MATERIAL CLASS V OR VI FOR FOUNDATION CONDITIONING. ENCAPSULATE WITH TYPE IV GEOTEXTILE AS DIRECTED BY THE ENGINEER.

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

ROADWAY DETAIL DRAWING FOR
METHOD OF PIPE INSTALLATION
 FLEXIBLE PIPE

SHEET 1 OF 2
300.01

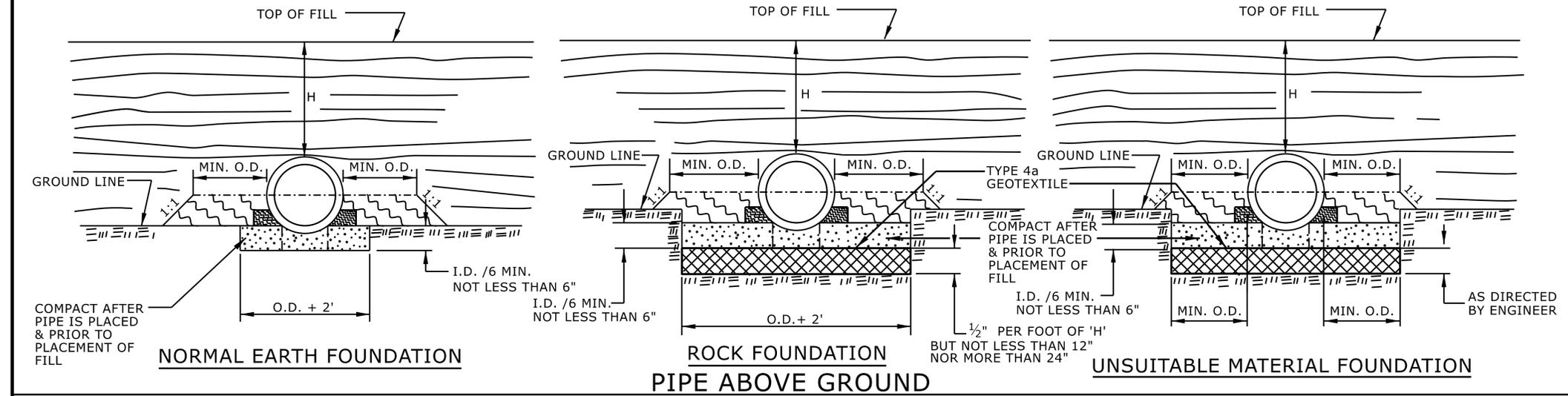
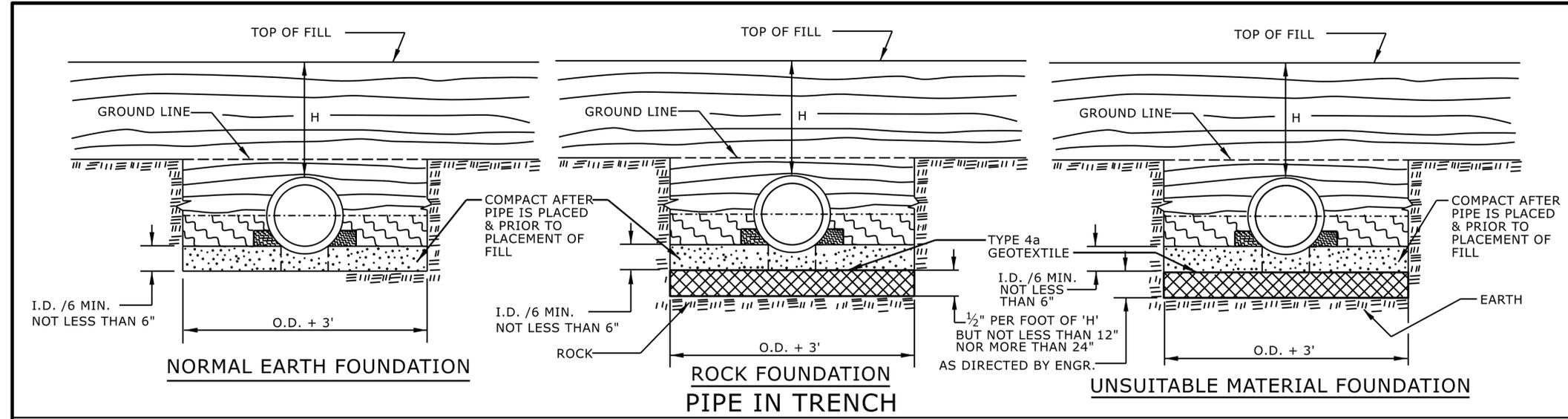


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**CONTRACTS STANDARDS
 AND DEVELOPMENT UNIT**
 Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

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



GENERAL NOTES:
 I.D. = THE MAXIMUM HORIZONTAL INSIDE DIAMETER DIMENSION.
 O.D. = THE MAXIMUM HORIZONTAL OUTSIDE DIAMETER DIMENSION.
 H = THE FILL HEIGHT MEASURED VERTICALLY AT ANY POINT ALONG THE PIPE FROM THE TOP OF THE PIPE TO THE TOP OF THE EMBANKMENT AT THAT POINT.

-  APPROVED SUITABLE LOCAL MATERIAL.
-  TAKE CARE TO FULLY COMPACT HAUNCH ZONE OF PIPE BACKFILL.
-  LOOSELY PLACED SELECT MATERIAL CLASS III OR CLASS II, TYPE 1 FOR PIPE BEDDING. LEAVE SECTION DIRECTLY BENEATH PIPE UNCOMPACTED AS PIPE SEATING AND BACKFILL WILL ACCOMPLISH COMPACTION.

DO NOT OPERATE HEAVY EQUIPMENT OVER ANY PIPE CULVERT UNTIL THE PIPE CULVERT HAS BEEN PROPERLY BACKFILLED AND COVERED WITH AT LEAST 3 FEET OF APPROVED MATERIAL.

REFER TO NCDOT PIPE MATERIAL SELECTION GUIDE AND STANDARD SPECIFICATIONS FOR ALLOWABLE PIPE FILL HEIGHTS AND PIPE SPECIFICATIONS.

-  SPRINGLINE OF PIPE
-  SELECT BACKFILL MATERIAL CLASS III OR CLASS II, BELOW SPRINGLINE.
-  UNDISTURBED EARTH MATERIAL
-  SELECT MATERIAL CLASS V OR VI FOR FOUNDATION CONDITIONING. ENCAPSULATE WITH TYPE IV GEOTEXTILE AS DIRECTED BY THE ENGINEER.

STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.
 ROADWAY DETAIL DRAWING FOR
METHOD OF PIPE INSTALLATION
 RIGID PIPE



SHEET 2 OF 2
300.01

DOCUMENT NOT CONSIDERED FINAL
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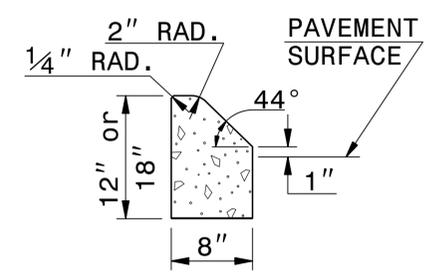
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 AND DEVELOPMENT UNIT
 Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

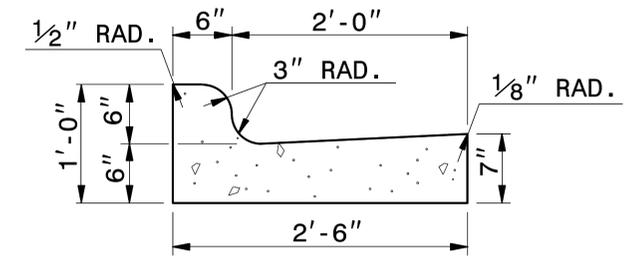
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5/14/99

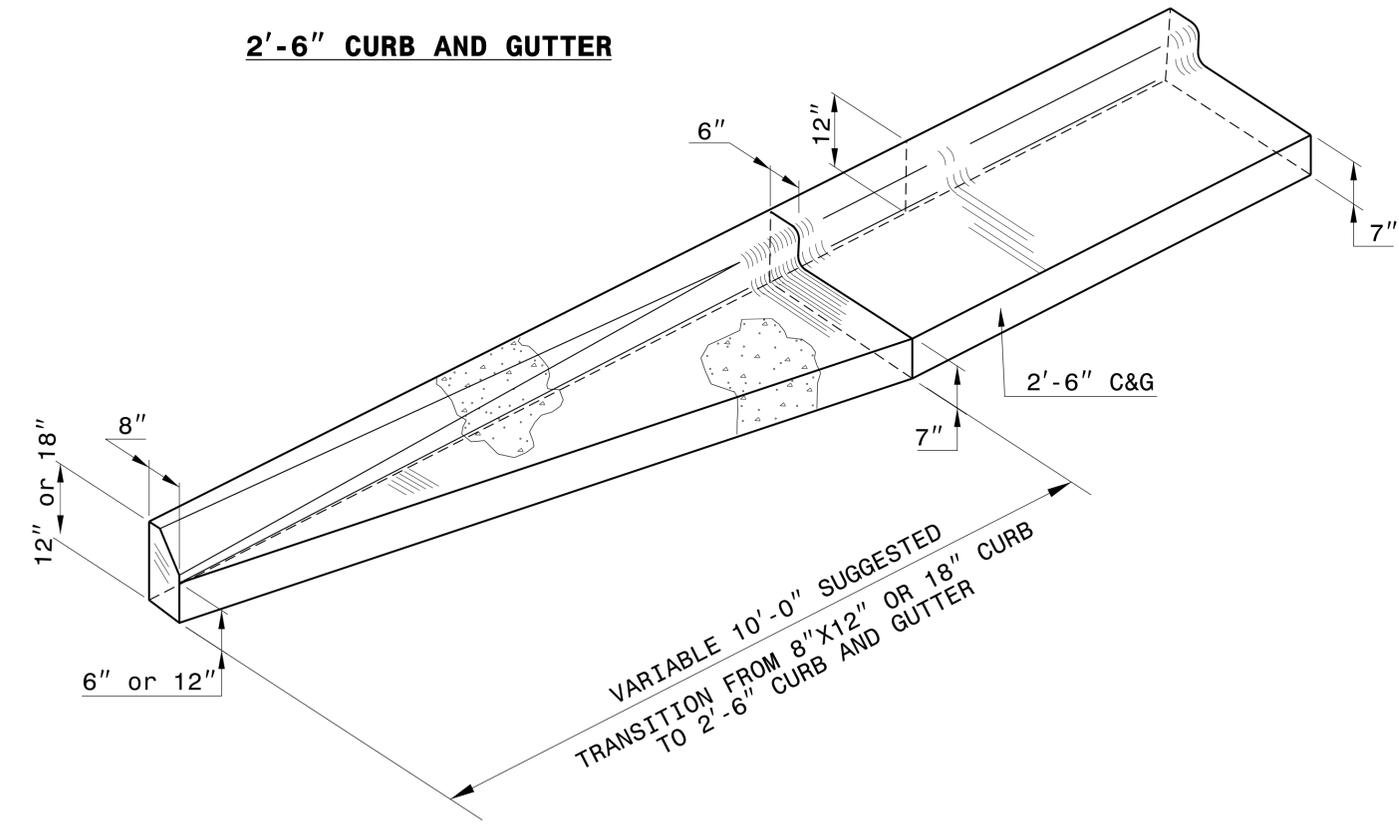
*NOTE: SEE STD. DWG. 846.01 FOR GENERAL NOTES



8" X 12" or 18" CONCRETE CURB



2'-6" CURB AND GUTTER



ISOMETRIC VIEW OF TRANSITION

VARIABLE 10'-0" SUGGESTED
TRANSITION FROM 8"X12" OR 18" CURB
TO 2'-6" CURB AND GUTTER

9/8/2025

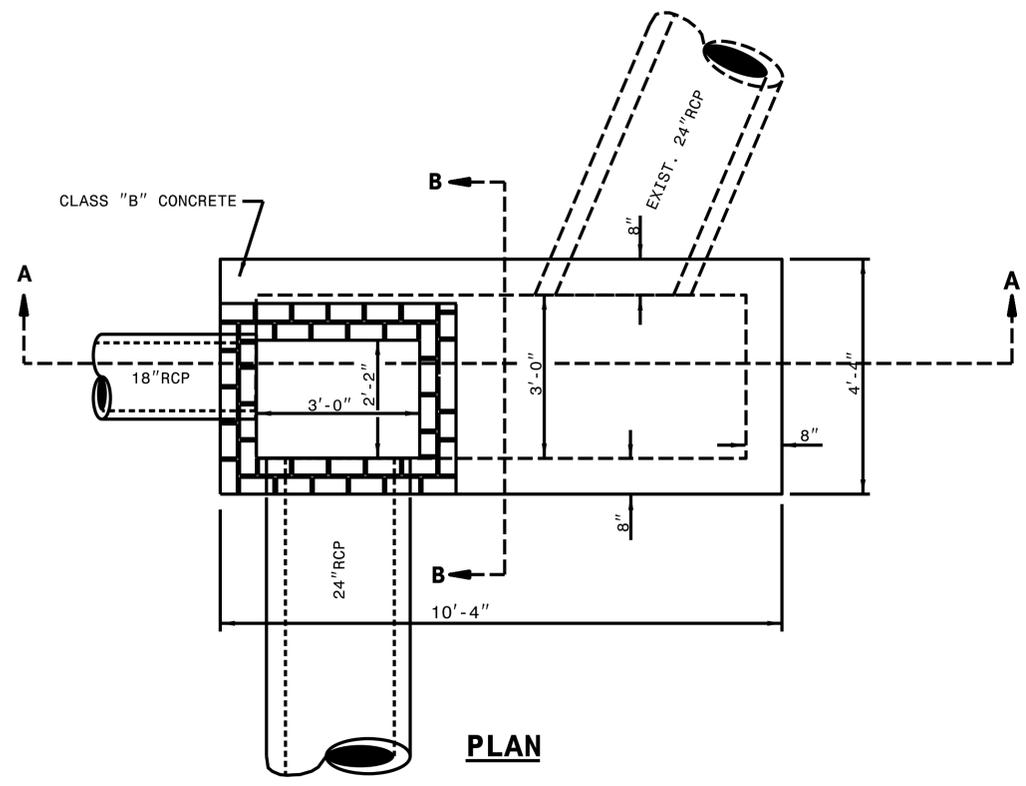


Signed by:
Nicole M. Hecker
588432034164CS

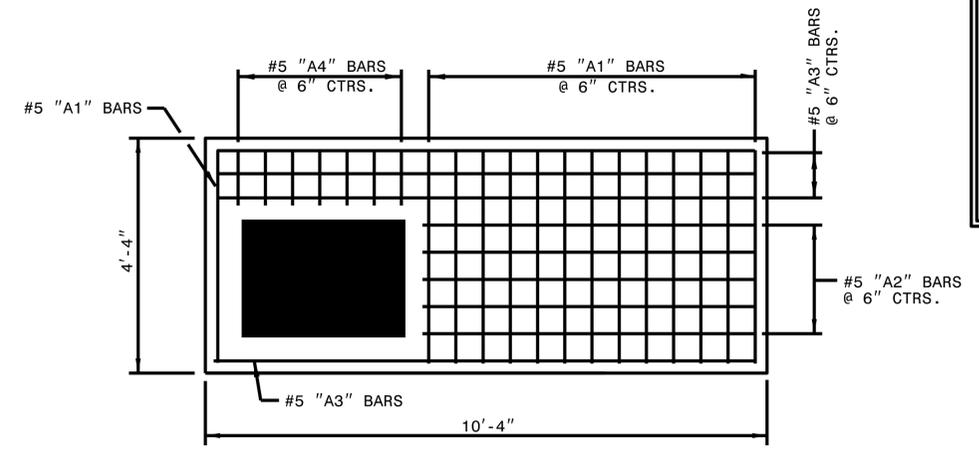
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
DETAIL OF 8" x 12" or 18" CURB TO 2'-6" CURB & GUTTER TRANSITION SECTION	
ORIGINAL BY: _____	DATE: _____
MODIFIED BY: K. KEMPF	DATE: 4-05-18
CHECKED BY: _____	DATE: _____
FILE SPEC.: details/ericward/usr/details/stand/cgtransit.dgn	

I:\MAR-2019_09450
S:\Contracts\Contractors\Special Details\ericward\usr\details\stand\c&g transition sections.dgn
J.Overton AT USD-292595



PLAN



PLAN OF TOP SLAB

GENERAL NOTES:

DRAINAGE STRUCTURE SHALL MEET REQUIREMENTS OF SECTION 840 OF THE STANDARD SPECIFICATIONS.

ALL EXPOSED CONCRETE CORNERS TO BE CHAMFERED 1"

CLASS "B" CONCRETE TO BE USED THROUGHOUT

IF REINFORCED CONCRETE PIPE IS SET IN BASE SLAB OF BOX, ADD TO BASE SLAB AS SHOWN ON STANDARD 840.00

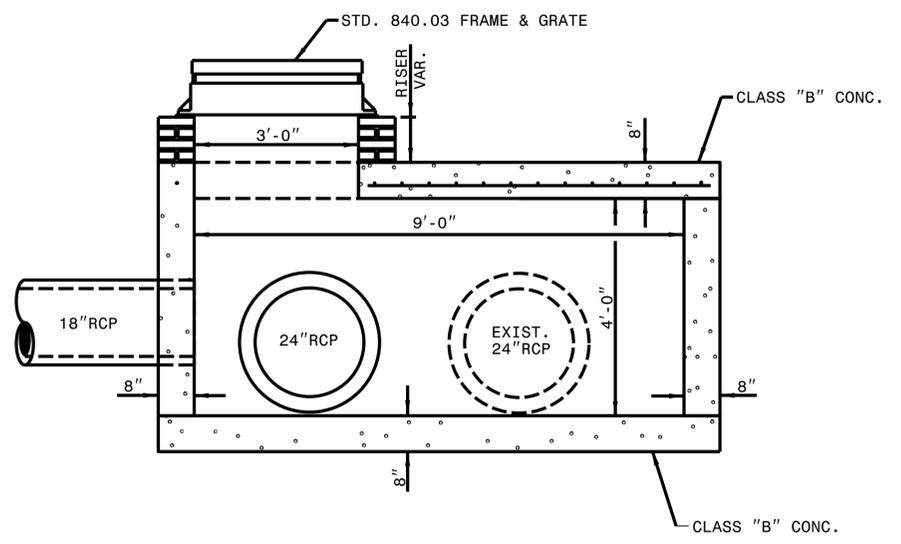
STEPS, 12" ON CENTERS SHALL BE PROVIDED IN ACCORDANCE WITH STD. 840.66.

CONSTRUCT STRUCTURE BY FORMING.

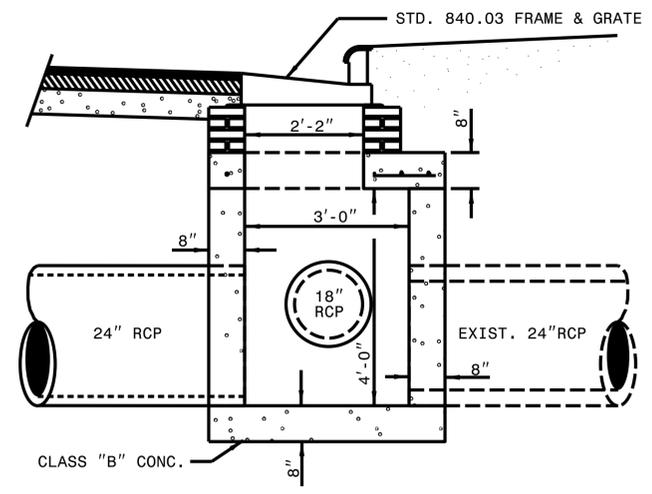
REINFORCING STEEL CAN BE RELOCATED TO POSITION GRATE AND FRAME AS DIRECTED BY THE ENGINEER.

BILL OF MATERIALS					
REINFORCING STEEL					
CODE	BAR #	LENGTH	LBS/FT.	QTY.	LBS. ST.
A1	5	4'-0"	1.043	14	58.4
A2	5	6'-4"	1.043	5	33.0
A3	5	10'-0"	1.043	4	41.7
A4	5	1'-2"	1.043	7	8.5
TOTAL					141.6
CONCRETE QUANTITIES					
CLASS "B" CONCRETE = 5.03 CU. YDS.					

NO DEDUCTIONS HAVE BEEN MADE FOR PIPE OPENINGS



ELEVATION A-A



ELEVATION B-B



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CONTRACT STANDARDS & DEVELOPMENT UNIT
STANDARDS AND SPECIAL DESIGN
Office 919-250-4128 FAX 919-250-4119

DETAIL OF SPECIAL CATCH BASIN

ORIGINAL BY: _____ DATE: _____
 MODIFIED BY: pmhartnett DATE: 10-31-23
 CHECKED BY: _____ DATE: _____
 FILE SPEC.: _____

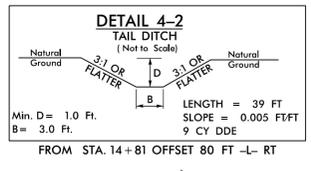
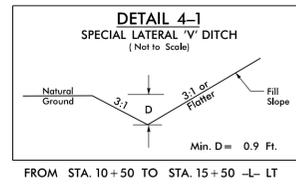
8/17/99

REVISIONS

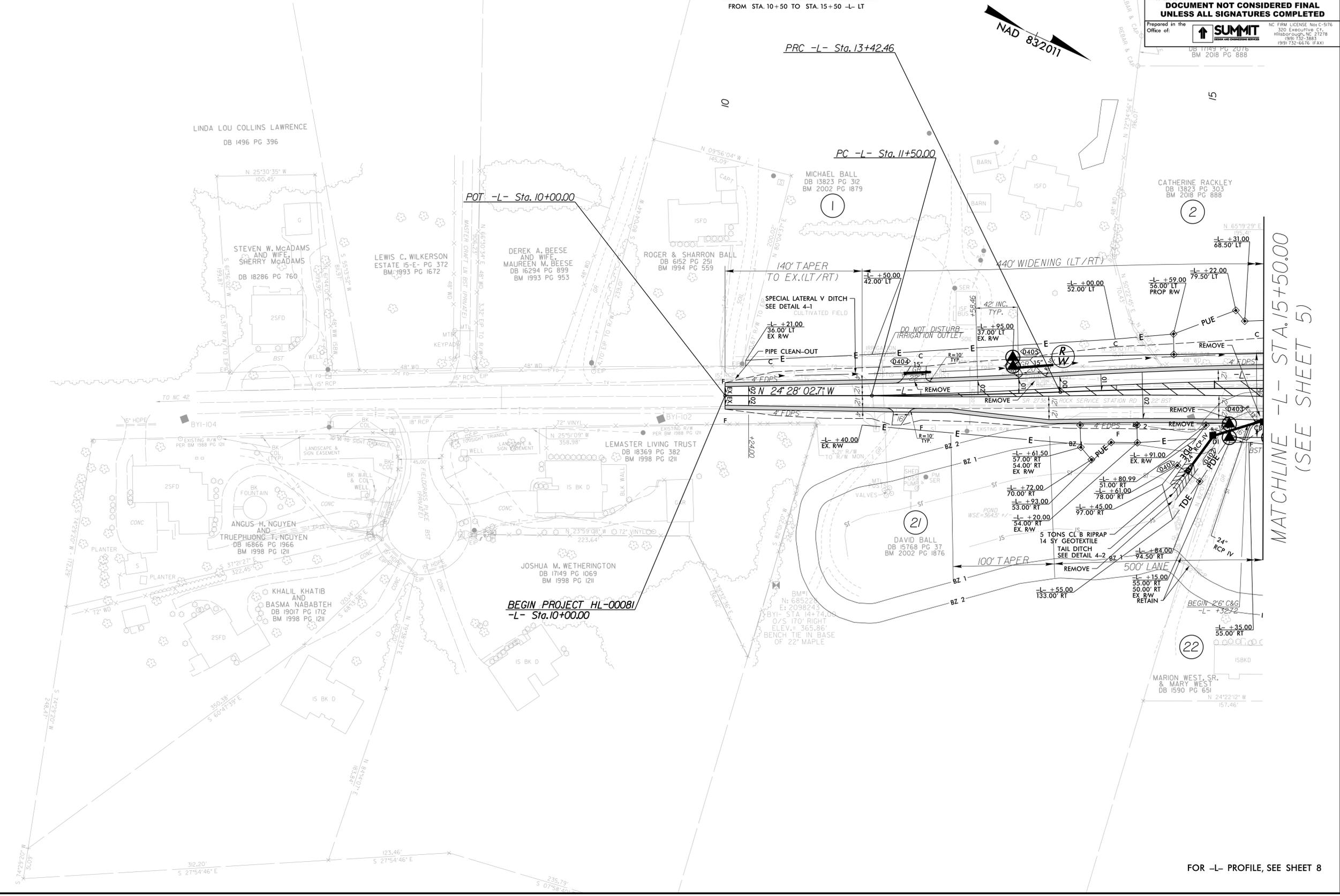
07_SFB-2005_0917
07-20081301-14.dgn
zoe.zwick

-L-

PI Sta 12+46.24	PI Sta 14+49.03
$\Delta = 2^\circ 12' 19.7''$ (LT)	$\Delta = 2^\circ 26' 31.1''$ (RT)
D = 1'08' 45.3"	D = 1'08' 45.3"
L = 192.46'	L = 213.10'
T = 96.24'	T = 106.57'
R = 5,000.00'	R = 5,000.00'
SE = RC	SE = RC
RO = SEE PLANS	RO = 84'



PROJECT REFERENCE NO. HL-00081	SHEET NO. 4
ROADWAY DESIGN ENGINEER 9/8/2025 SEAL 046981 FAITH E. JAHNKE	HYDRAULICS ENGINEER 9/8/2025 SEAL 053755 PATRICK M. HARTNETT
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: SUMMIT DESIGN AND ENGINEERING SERVICES	NC FIRM LICENSE Nos C-5976 320 Executive Ct. Hillsborough, NC 27278 (919) 732-3883 (919) 732-6676 (FAX)



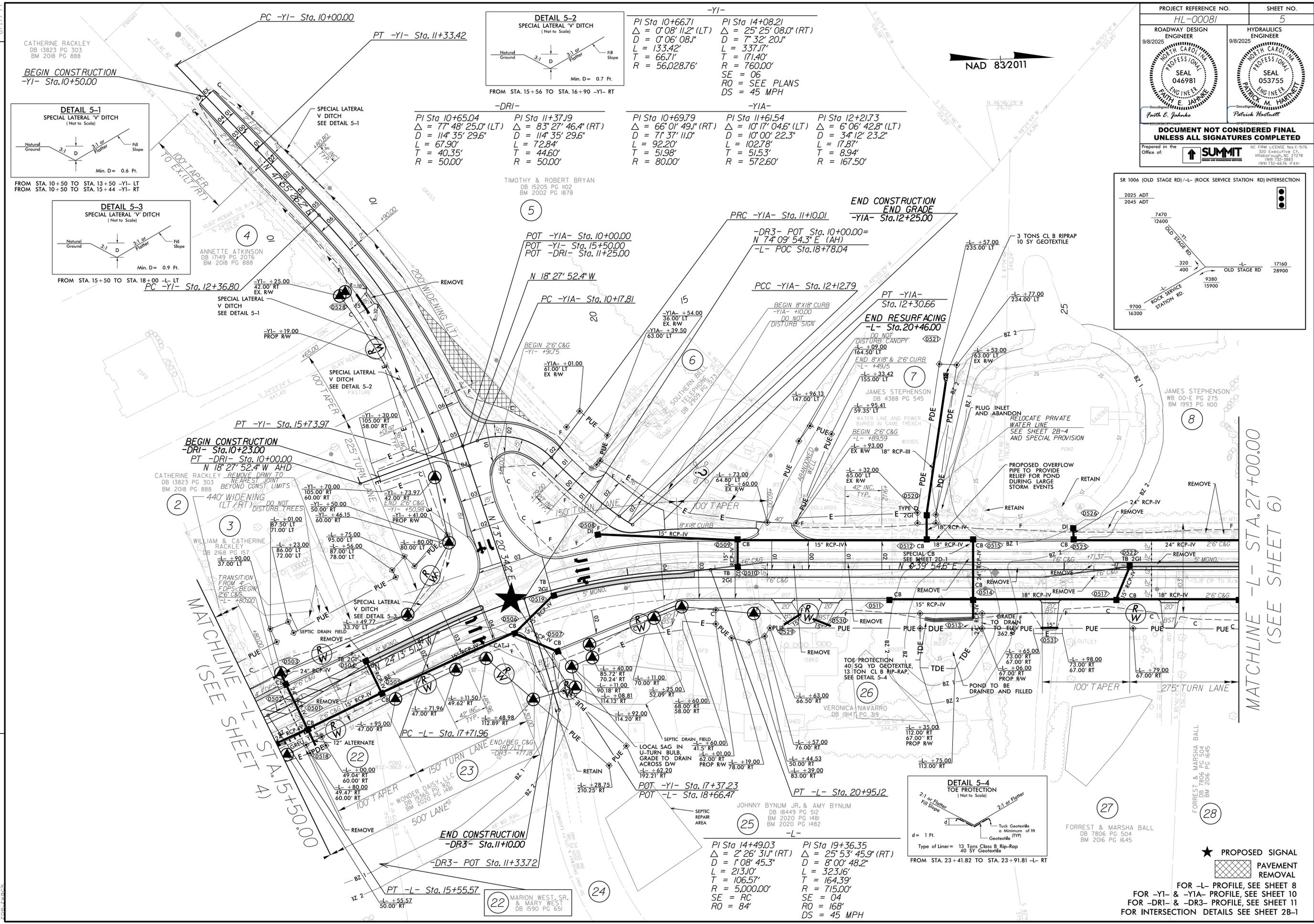
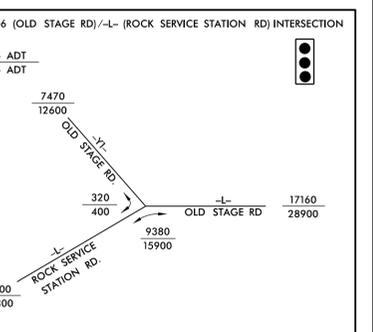
MATCHLINE -L- STA. 15+50.00 (SEE SHEET 5)

FOR -L- PROFILE, SEE SHEET 8

PROJECT REFERENCE NO. HL-00081	SHEET NO. 5
ROADWAY DESIGN ENGINEER 9/8/2025 SEAL 046981 Faith E. Jahnske	HYDRAULICS ENGINEER 9/8/2025 SEAL 053755 Patrick Hestnett

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PROPOSED SIGNAL

PAYMENT REMOVAL

FOR -L- PROFILE, SEE SHEET 8
FOR -Y1- & -Y1A- PROFILE, SEE SHEET 10
FOR -DR1- & -DR3- PROFILE, SEE SHEET 11
FOR INTERSECTION DETAILS SEE SHEET 2B-1

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zoe.zoe

REVISIONS

MATCHLINE -L- STA. 27+00.00
(SEE SHEET 6)

MATCHLINE -L- STA. 15+50.00
(SEE SHEET 4)

22 MARION WEST, SR. & MARY WEST
DB 1590 PG 651

25 JOHNNY BYNUM JR. & AMY BYNUM
DB 18449 PG 512
BM 2020 PG 1481
BM 2020 PG 1482

23 WONDER DAISY, LLC
DB 19365 PG 593
BM 2020 PG 1481

27 FORREST & MARSHA BALL
DB 7806 PG 504
BM 2016 PG 1645

28 FORREST & MARSHA BALL
DB 7806 PG 504
BM 2016 PG 1645

5 TIMOTHY & ROBERT BRYAN
DB 15205 PG 102
BM 2002 PG 1878

4 ANNETTE ATKINSON
DB 17149 PG 2076
BM 2018 PG 888

7 JAMES STEPHENSON
DB 4388 PG 545

8 JAMES STEPHENSON
WB 00-E PG 275
BM 1993 PG 1100

26 VERONICA NAVARRO
DB 19147 PG 319

3 WILLIAM & CATHERINE RACKLEY
DB 2168 PG 157
BM 2018 PG 888

CATHERINE RACKLEY
DB 13823 PG 303
BM 2018 PG 888

-Y1-
PI Sta 10+66.71
 $\Delta = 0' 08" 11.2" (LT)$
D = 7' 32" 20.1"
L = 133.42'
T = 66.71'
R = 56,028.76'

-Y1-
PI Sta 14+08.21
 $\Delta = 25' 25" 08.0" (RT)$
D = 7' 32" 20.1"
L = 337.17'
T = 171.40'
R = 760.00'

-DRI-
PI Sta 10+65.04
 $\Delta = 77' 48" 25.0" (LT)$
D = 114' 35" 29.6"
L = 67.90'
T = 40.35'
R = 50.00'

-DRI-
PI Sta 11+37.19
 $\Delta = 83' 27" 46.4" (RT)$
D = 114' 35" 29.6"
L = 72.84'
T = 44.60'
R = 50.00'

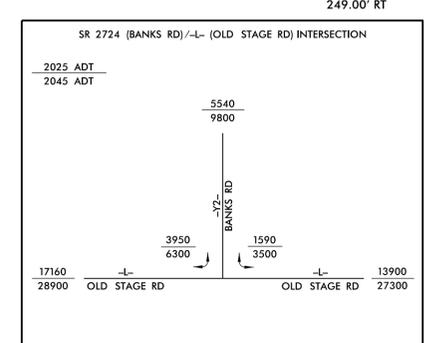
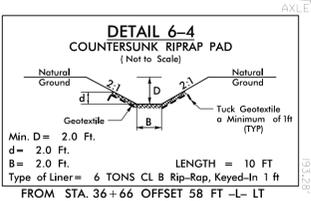
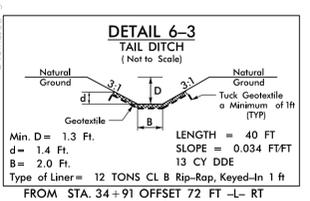
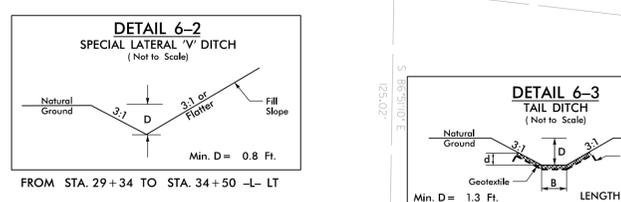
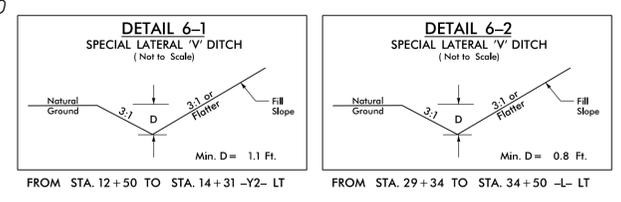
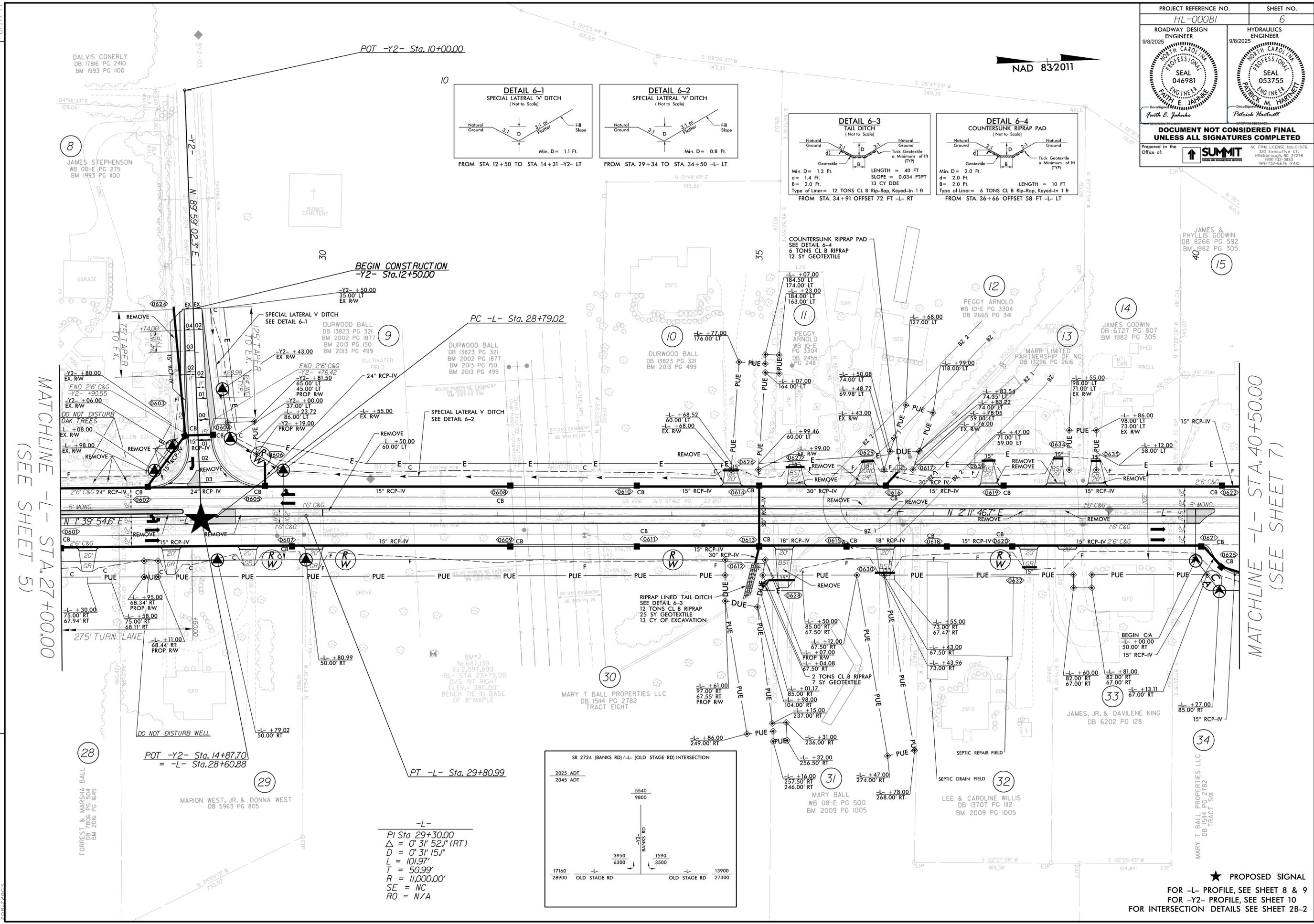
-Y1A-
PI Sta 10+69.79
 $\Delta = 66' 01" 49.1" (RT)$
D = 71' 37" 11.0"
L = 92.20'
T = 51.98'
R = 80.00'

-Y1A-
PI Sta 11+61.54
 $\Delta = 10' 17" 04.6" (LT)$
D = 10' 00" 22.3"
L = 102.78'
T = 51.53'
R = 572.60'

-Y1A-
PI Sta 12+21.73
 $\Delta = 6' 06" 42.8" (LT)$
D = 34' 12" 23.2"
L = 17.87'
T = 8.94'
R = 167.50'

NAD 83/2011

PROJECT REFERENCE NO. HL-00081	SHEET NO. 6
ROADWAY DESIGN ENGINEER 9/8/2025	HYDRAULICS ENGINEER 9/8/2025
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-L-
 PI Sta 29+30.00
 $\Delta = 0' 31' 52.1'' (RT)$
 $D = 0' 31' 15.1''$
 $L = 101.97'$
 $T = 50.99'$
 $R = 11,000.00'$
 $SE = NC$
 $RO = N/A$

MATCHLINE -L- STA. 27+00.00 (SEE SHEET 5)

MATCHLINE -L- STA. 40+50.00 (SEE SHEET 7)

REVISIONS

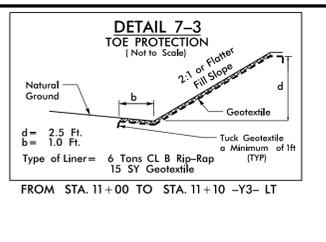
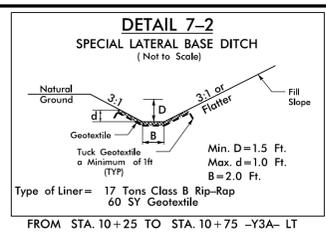
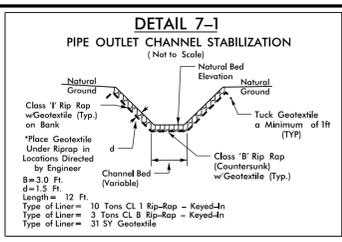
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★ PROPOSED SIGNAL
 FOR -L- PROFILE, SEE SHEET 8 & 9
 FOR -Y2- PROFILE, SEE SHEET 10
 FOR INTERSECTION DETAILS SEE SHEET 2B-2

8.17.799

-L-	-DR2-
PI Sta 47+88.68 Δ = 13° 46' 40.1" (RT) D = 2' 29' 28.0" L = 553.08' T = 277.88' R = 2,300.00' SE = 03 RO = 126'	PI Sta 10+71.08 Δ = 71° 42' 11.4" (LT) D = 127' 19' 26.2" L = 56.32' T = 32.52' R = 45.00'

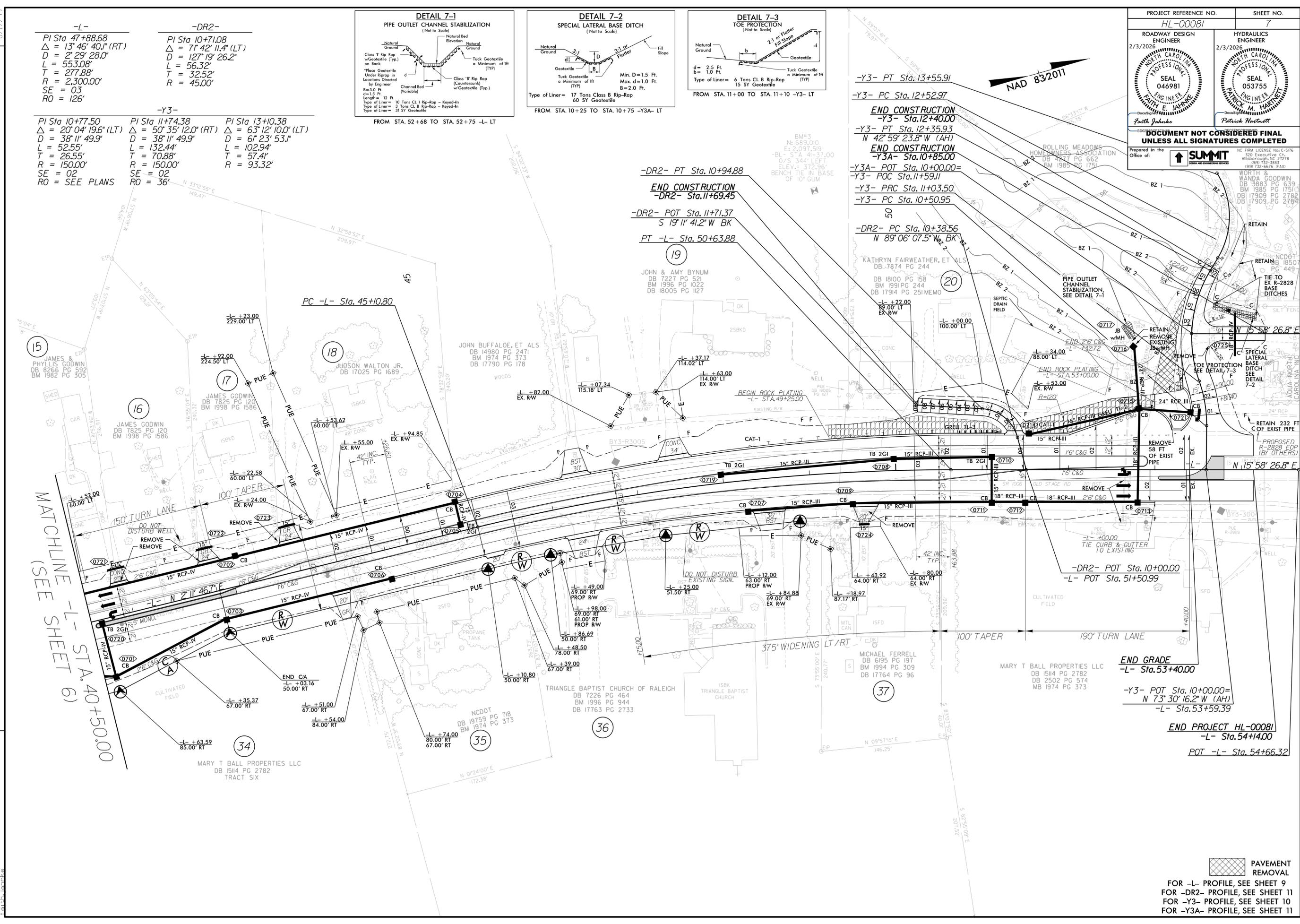
-Y3-	PI Sta 10+77.50	PI Sta 11+74.38	PI Sta 13+10.38
	Δ = 20° 04' 19.6" (LT) D = 38' 11' 49.9" L = 52.55' T = 26.55' R = 150.00' SE = 02 RO = SEE PLANS	Δ = 50° 35' 12.0" (RT) D = 38' 11' 49.9" L = 132.44' T = 70.88' R = 150.00' SE = 02 RO = 36'	Δ = 63° 12' 10.0" (LT) D = 61' 23' 53.1" L = 102.94' T = 57.41' R = 93.32'



PROJECT REFERENCE NO. HL-00081	SHEET NO. 7
ROADWAY DESIGN ENGINEER 2/3/2026 SEAL 046981 Faith Johnson	HYDRAULICS ENGINEER 2/3/2026 SEAL 053755 Patrick M. Hartnett
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REVISIONS

MATCHLINE -L- STA. 40+50.00 (SEE SHEET 6)



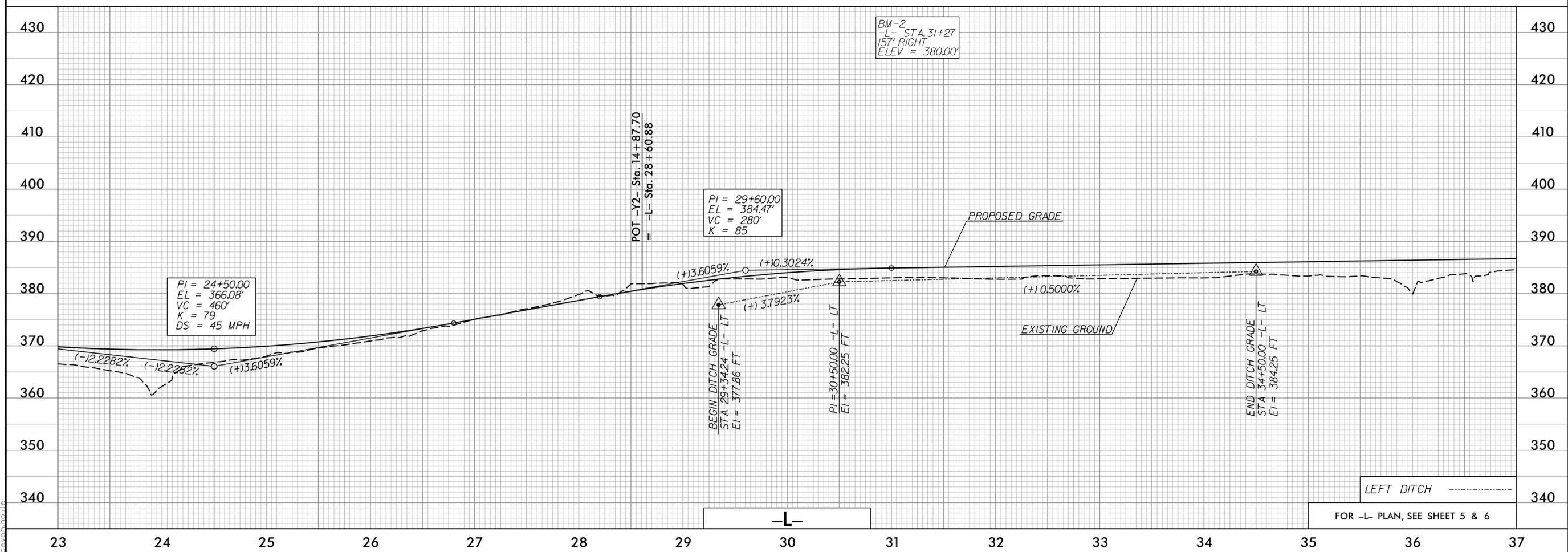
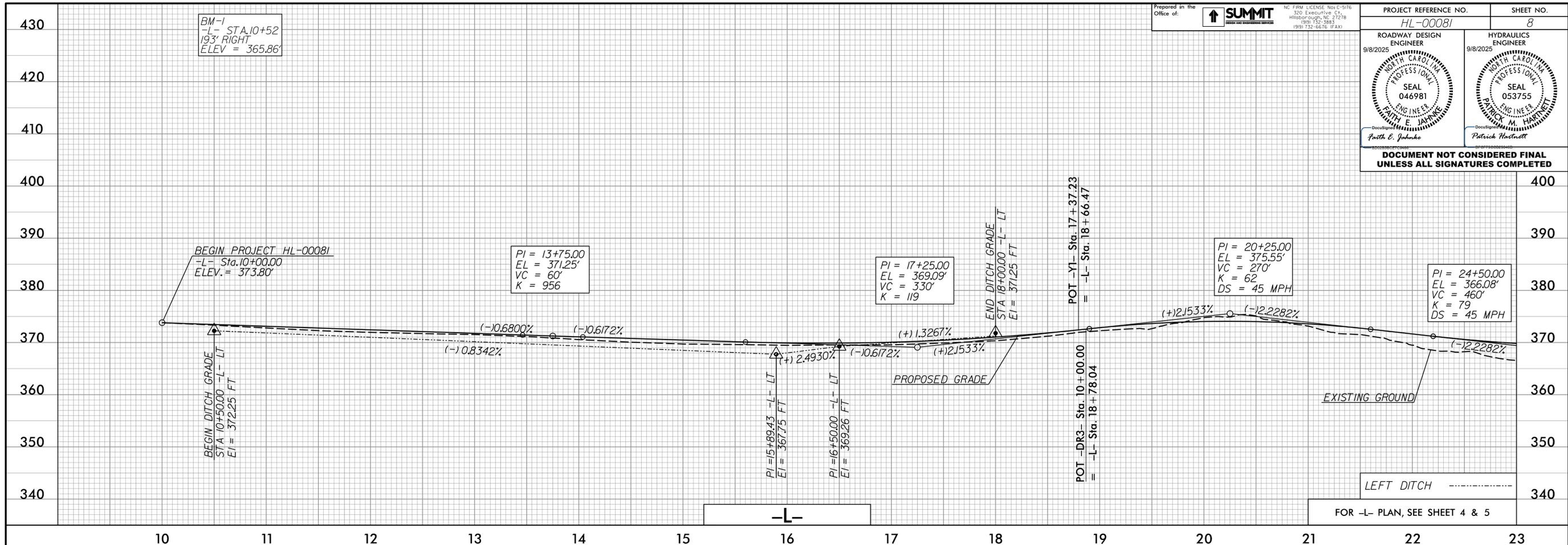
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DL-00081-06.dwg
Faith Johnson

PAVEMENT REMOVAL

FOR -L- PROFILE, SEE SHEET 9
FOR -DR2- PROFILE, SEE SHEET 11
FOR -Y3- PROFILE, SEE SHEET 10
FOR -Y3A- PROFILE, SEE SHEET 11

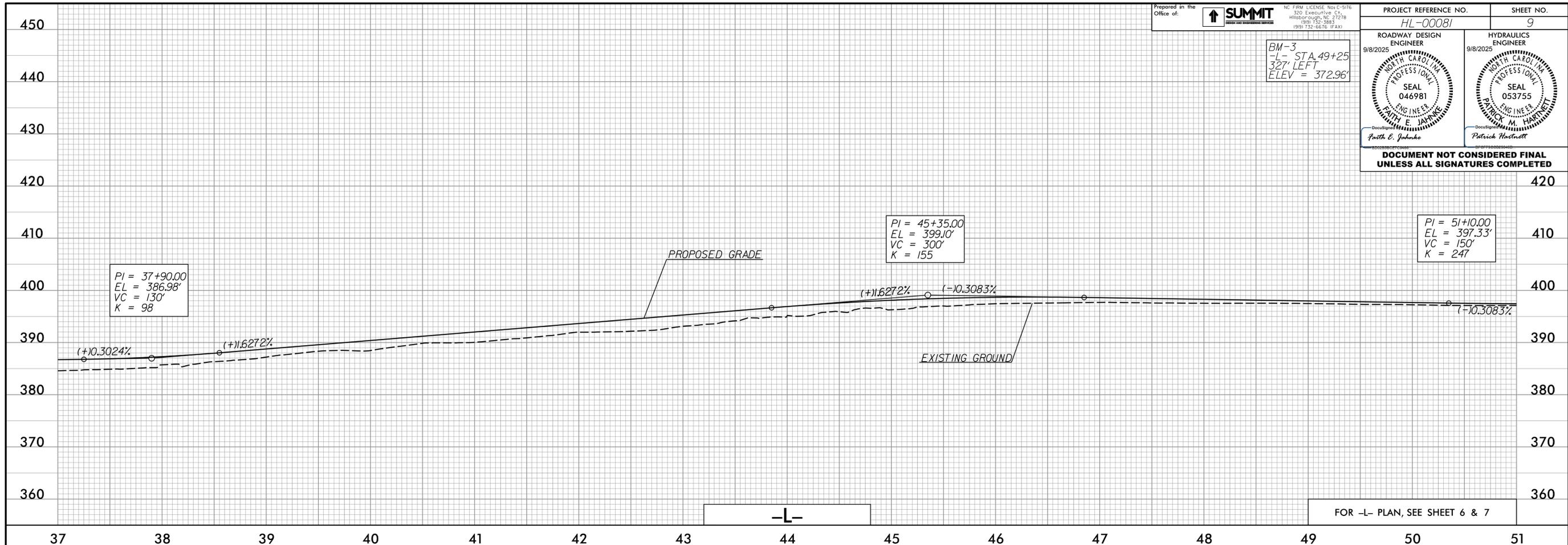
PROJECT REFERENCE NO. HL-00081		SHEET NO. 8
ROADWAY DESIGN ENGINEER 9/8/2025 PAUL E. JAHANEK SEAL 046981 ENGINEER	HYDRAULICS ENGINEER 9/8/2025 PATRICK M. HARTNETT SEAL 053755 ENGINEER	

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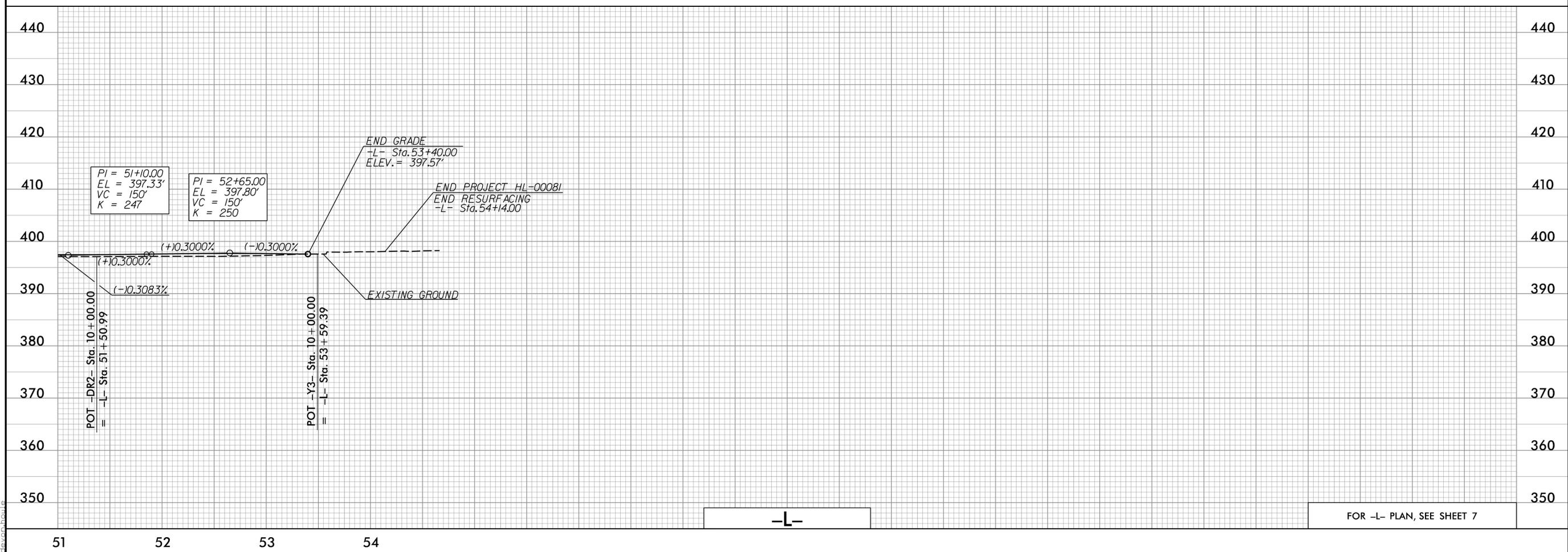


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BM-3
-L- STA. 49+25
327' LEFT
ELEV = 372.96'



FOR -L- PLAN, SEE SHEET 6 & 7

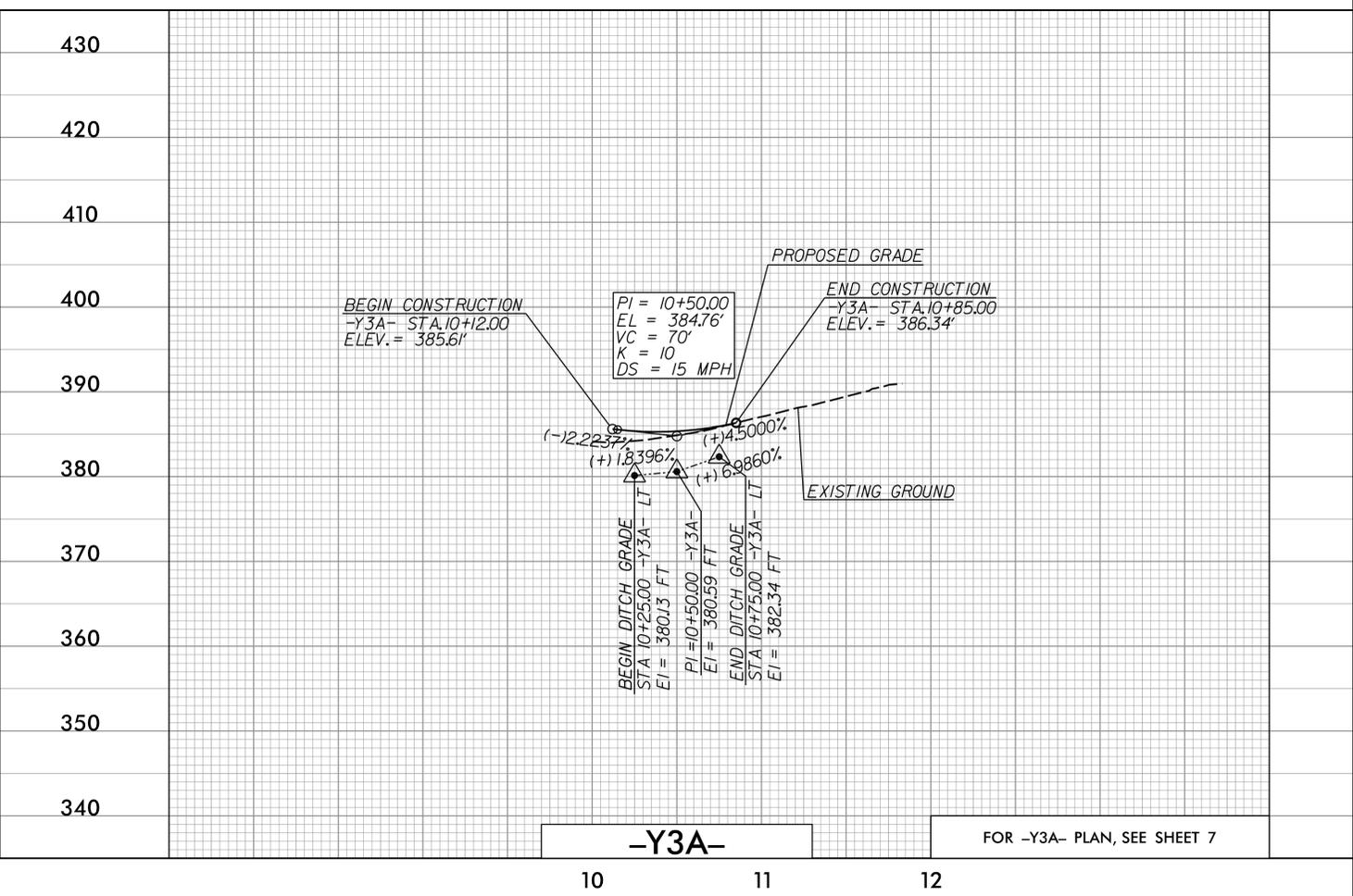
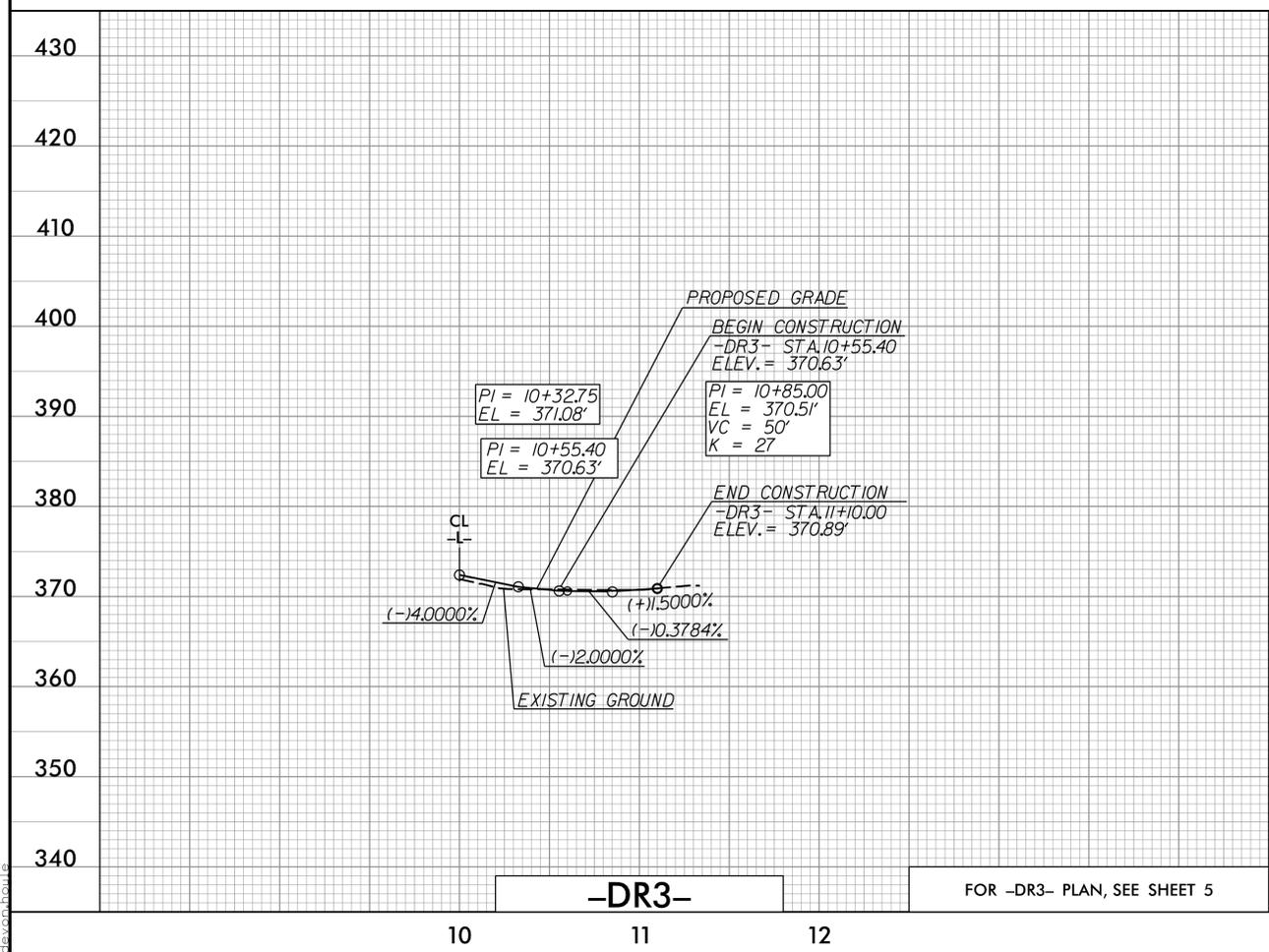
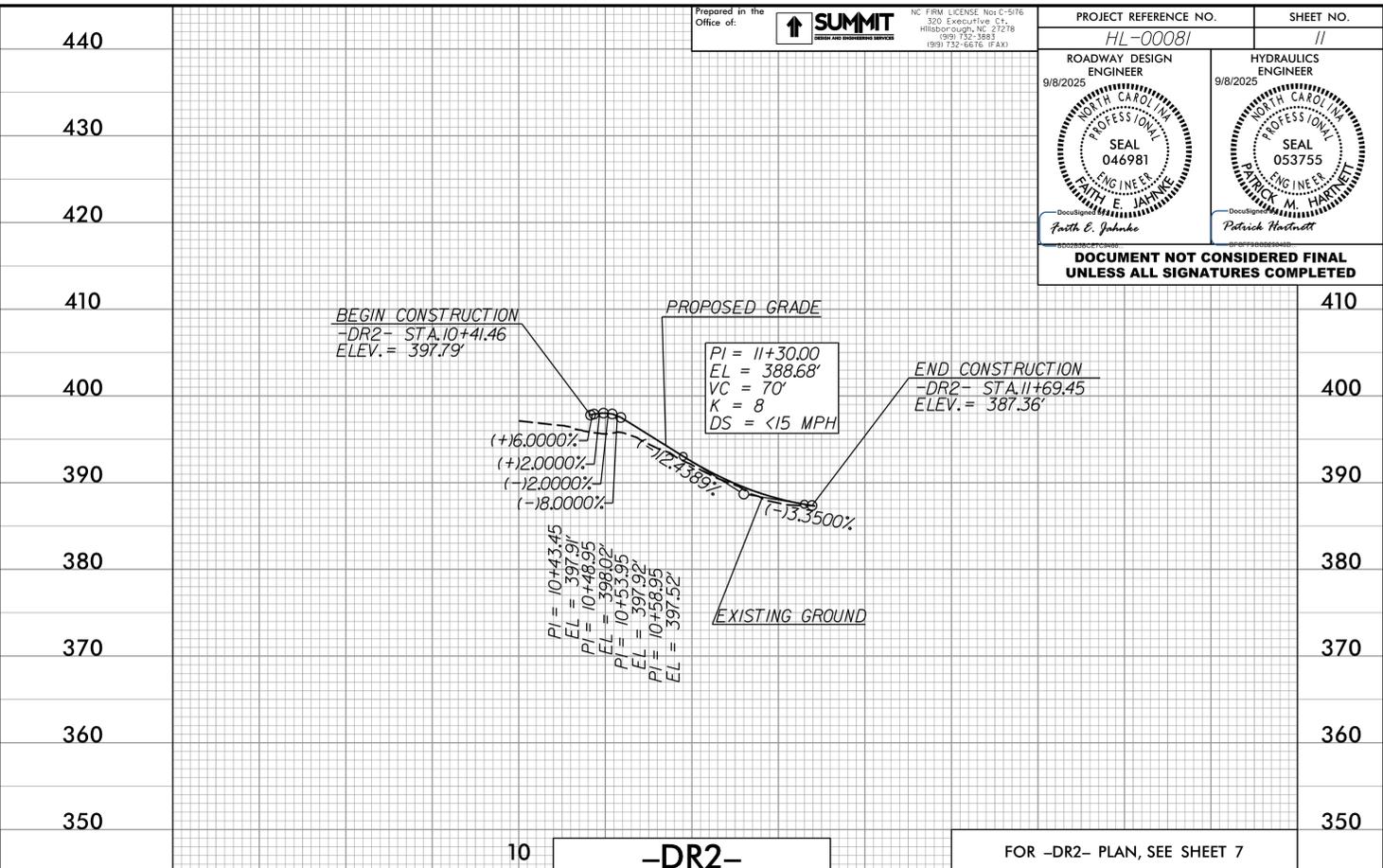
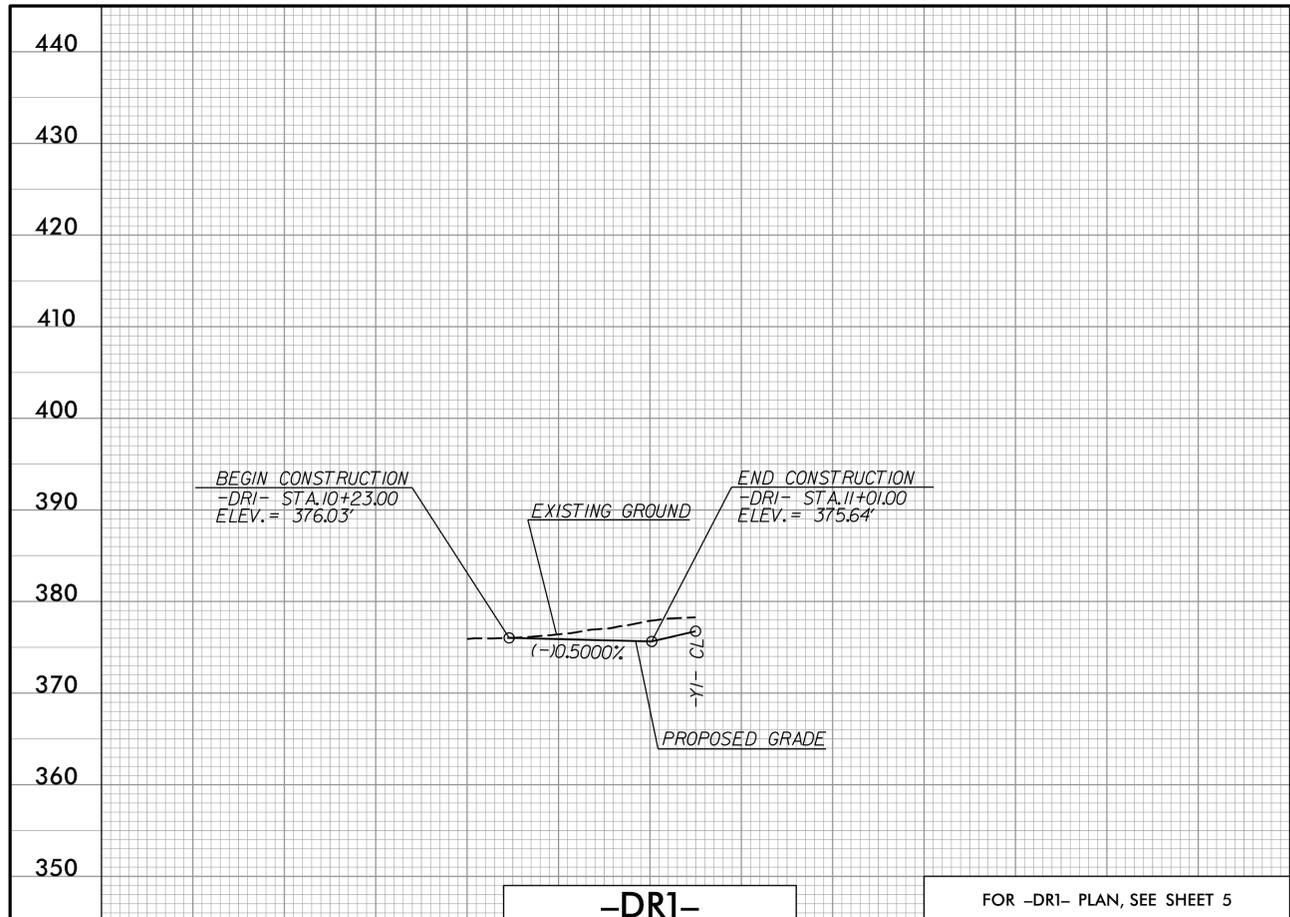


FOR -L- PLAN, SEE SHEET 7

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PROJECT REFERENCE NO. <i>HL-00081</i>	SHEET NO. <i>11</i>
ROADWAY DESIGN ENGINEER 9/8/2025 <i>FAITH E. JAHNKE</i> SEAL 046981 NORTH CAROLINA PROFESSIONAL ENGINEER	HYDRAULICS ENGINEER 9/8/2025 <i>PATRICK M. HARTNETT</i> SEAL 053755 NORTH CAROLINA PROFESSIONAL ENGINEER

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