

09/06/19

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

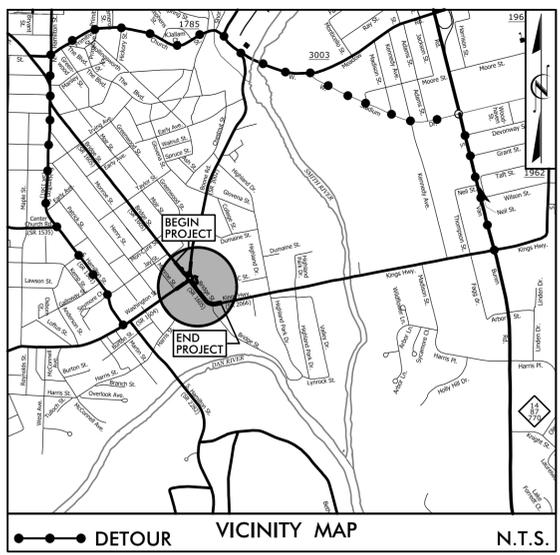
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

ROCKINGHAM COUNTY

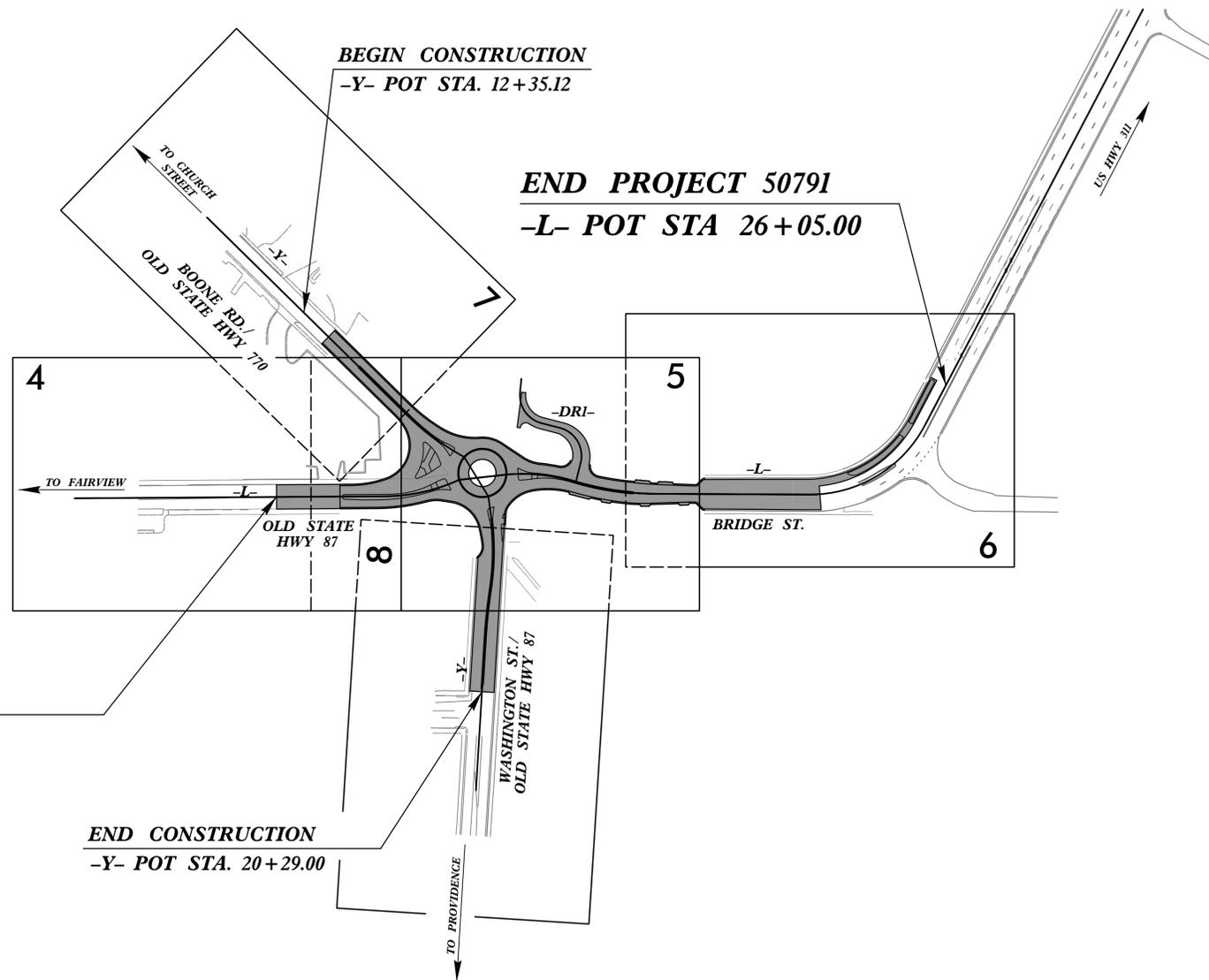
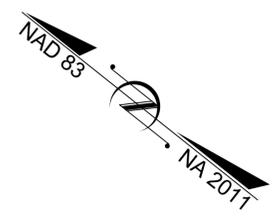
**LOCATION: INTERSECTION OF BRIDGE ST/(OLD STATE HWY 87) AND
BOONE RD/WASHINGTON ST (OLD STATE HWY 770) IN EDEN**
TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND SIGNING

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	50791	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
	N/A	PE ROW	

TIP PROJECT: 50791

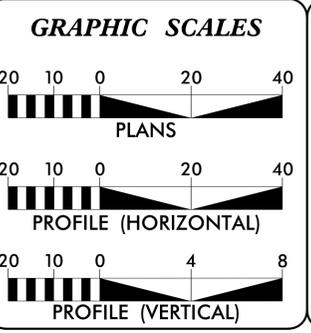


FINAL PLANS



THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF EDEN.

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



DESIGN DATA

ADT 2026 =	12,725
ADT 2046 =	13,225
K =	8%
D =	55%
T =	3%*
V =	25 MPH
* (TTST=1%+DUAL 2%)	
FUNC CLASSIFICATION =	MINOR ARTERIAL

PROJECT LENGTH

TOTAL LENGTH OF TIP PROJECT 50791 = .238 MILES

PLANS PREPARED FOR THE NCDOT BY:

stv STV Engineers, Inc.
2151 Hawkins St., Suite 1400
Charlotte, NC 28203
NC License Number F-0991

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
SEPTEMBER 19, 2024

LETTING DATE:
FEBRUARY 19, 2026

SEAN C. STEPHENS, PE
PROJECT ENGINEER

WESTON D. MURPHY, PE
PROJECT DESIGNER

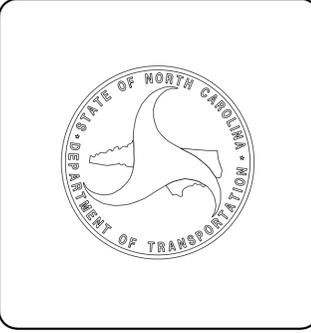
SUZANA MATTA, PE
PROJECT ENGINEER
NCDOT DIVISION 7

HYDRAULICS ENGINEERS

SEAN C. STEPHENS, PE
12/23/2025
P.E.

ROADWAY DESIGN ENGINEER

SEAN C. STEPHENS, PE
12/23/2025
P.E.



CONTRACT: DG00685

25% PLANS
12/23/2025

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-s-s-
Potential Contamination Area: Soil	-s-s-s-s-
Known Contamination Area: Water	-w-w-w-w-
Potential Contamination Area: Water	-w-w-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	A/G Water

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	A/G Gas

SANITARY SEWER:

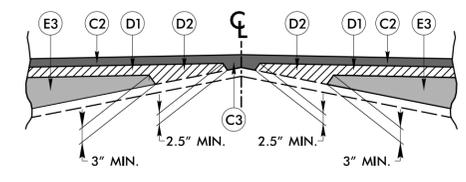
Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	SS
Above Ground Sanitary Sewer	A/G Sanitary Sewer
SS Force Main Line Test Hole (SUE - LOS A)*	⊕
SS Force Main Line (SUE - LOS B)*	-----
SS Force Main Line (SUE - LOS C)*	-----
SS Force Main Line (SUE - LOS D)*	-----

MISCELLANEOUS:

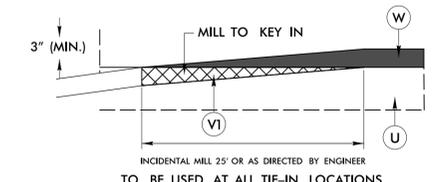
Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊕
Utility Unknown U/G Line (SUE - LOS B)*	-----
U/G Tank; Water, Gas, Oil	□
Underground Storage Tank, Approx. Loc.	UST
A/G Tank; Water, Gas, Oil	□
Geoenvironmental Boring	⊕
Abandoned According to Utility Records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

9/10/2021
12/19/2025
C:\projects\p1001\sheet\11935665_RDY_psh01B.dgn

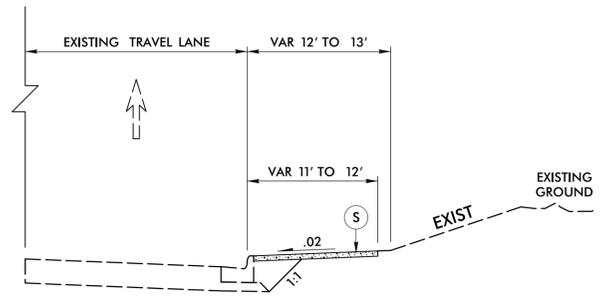
PROJECT REFERENCE NO. 50791	SHEET NO. 2A-1
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



WEDGING DETAIL A
Detail Showing Method of Wedging



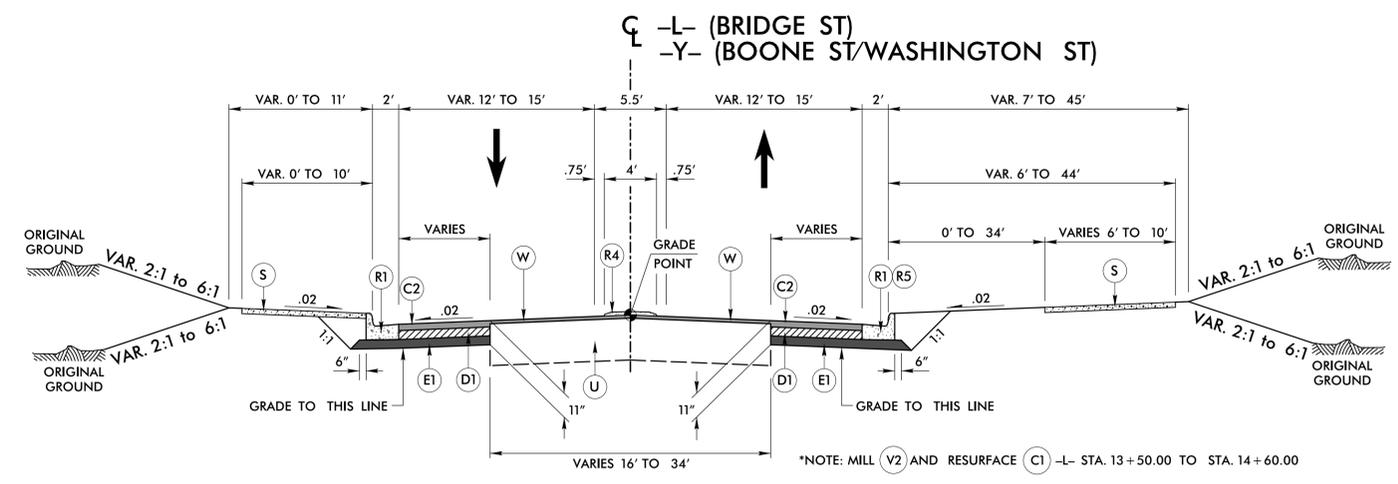
INCIDENTAL MILLING DETAIL B
TO BE USED AT ALL TIE-IN LOCATIONS



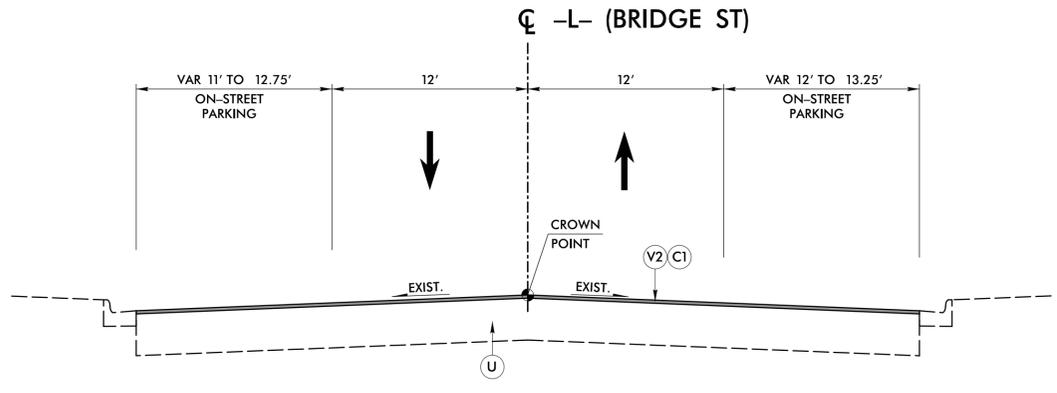
VARIABLE SIDEWALK DETAIL C
-Y- STA. 12+35.12 TO STA. 12+95.00 RT

PAVEMENT SCHEDULE	
(FINAL PAVEMENT DESIGN) NTS	
A1	PROP. 9" PORTLAND CEMENT CONCRETE TRUCK APRON
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C2	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
C3	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 1.5" IN DEPTH OR GREATER THAN 2" 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 LESS THAN 2.5" IN DEPTH OR GREATER THAN 4" 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. 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 3" IN DEPTH OR GREATER THAN 5.5" IN DEPTH.
R1	2'-6" CONCRETE CURB AND GUTTER
R2	8" X 18" CONCRETE CURB
R3	ROLLED CONCRETE CURB AND GUTTER (SEE DETAIL AND LOCATIONS ON SHEET 2B-4)
R4	5" MONOLITHIC CONCRETE ISLAND (KEYED-IN)
R5	MODIFIED ROLLED CONCRETE CURB AND GUTTER (SEE DETAIL AND LOCATIONS ON SHEET 2B-4)
S	CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V1	INCIDENTAL MILLING
V2	1.5" MILLING
W	VARIABLE DEPTH ASPHALT PAVEMENT (SEE WEDGING DETAILS THIS SHEET)

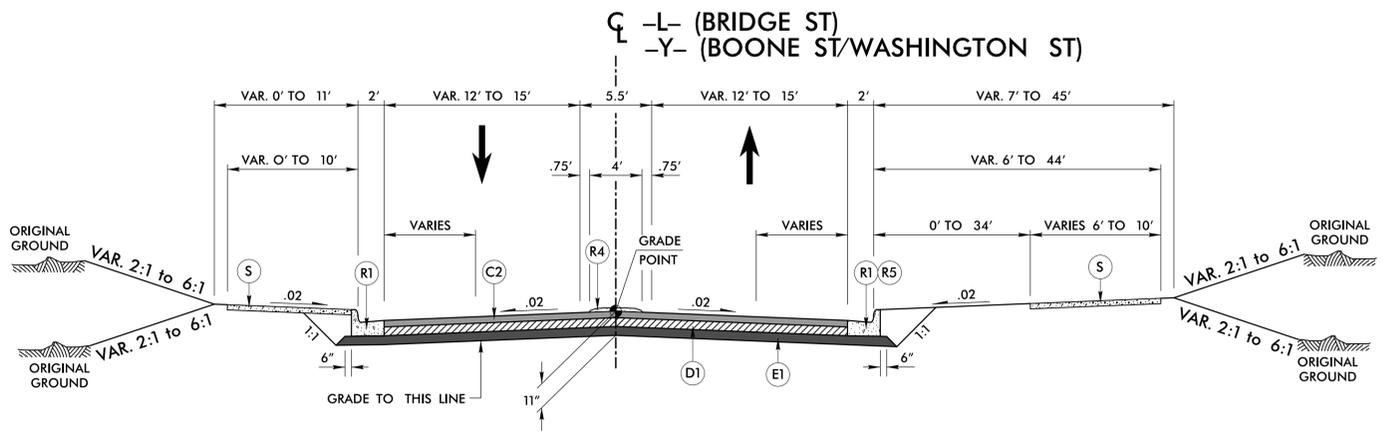
NOTES : PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.
INCIDENTAL MILLING TO BE USED AT DISCRETION OF ENGINEER FOR ALL TIE-INS.
SEE PLANS FOR LOCATION OF MONOLITHIC ISLANDS.



TYPICAL SECTION NO. 1
-L- STA. 14+60.00 TO STA. 15+50.00*
-L- STA. 19+77.00 TO STA. 21+00.00
-Y- STA. 12+95.00 TO STA. 14+78.00
-Y- STA. 17+30.00 TO STA. 18+15.64

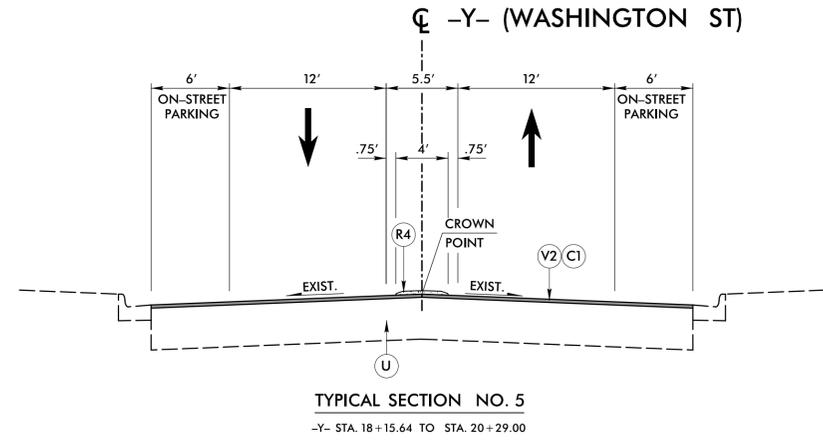
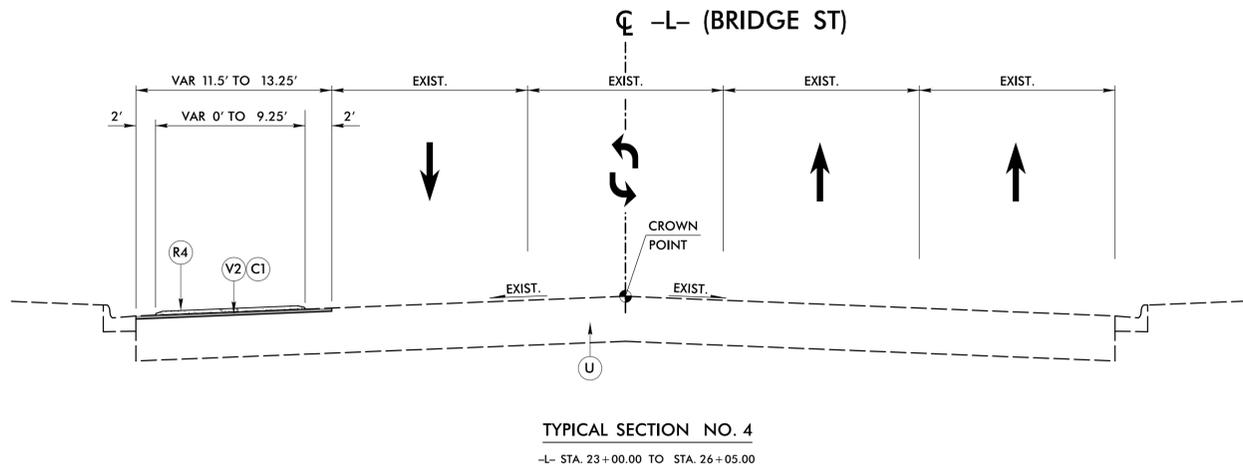


TYPICAL SECTION NO. 2
-L- STA. 21+00.00 TO STA. 23+00.00



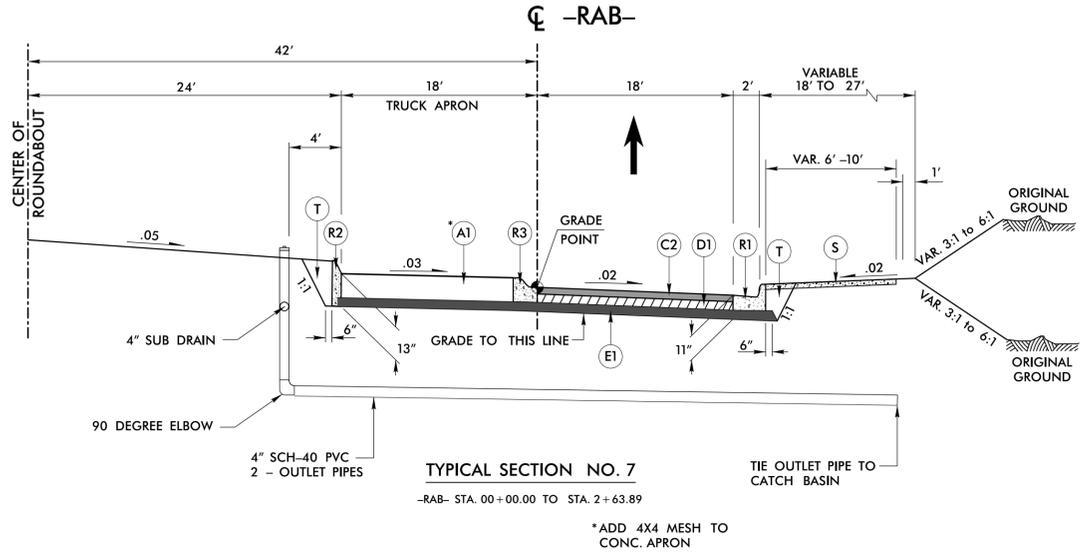
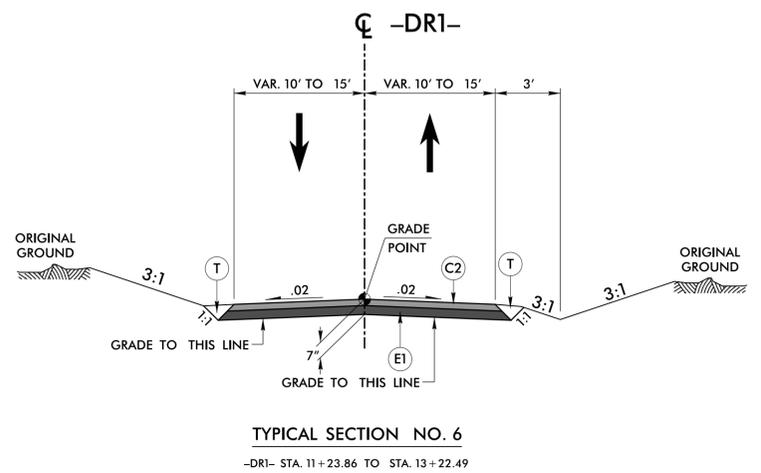
TYPICAL SECTION NO. 3
-L- STA. 15+50.00 TO STA. 16+52.36
-L- STA. 17+17.37 TO STA. 19+77.00
-Y- STA. 14+78.00 TO STA. 15+91.68
-Y- STA. 17+08.27 TO STA. 17+30.00

PROJECT REFERENCE NO. 50791	SHEET NO. 2A-2
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
STV Engineers, Inc. 2151 Hawkins St., Suite 1400 Charlotte, NC 28203 NC License Number F-0991	



PAVEMENT SCHEDULE <small>(FINAL PAVEMENT DESIGN)</small>	
A1	9" CONCRETE TRUCK APRON
C1	1.5" S9.5B
C2	3" S9.5B
C3	VAR. S9.5B
D1	4" I19.0C
D2	VAR. I19.0C
E1	4" B25.0C
E2	VAR. B25.0C
R1	2'-6" C&G
R2	8" X 18" CURB
R3	ROLLED CONCRETE C&G (SEE DETAIL ON SHEET 28-4)
R4	6" MONO ISLAND (KEYED-IN)
S	CONCRETE SIDEWALK
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V1	INCIDENTAL MILLING
V2	1.5" MILLING
W	VAR. DEPTH ASPHALT PAVEMENT

NOTES : PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.
INCIDENTAL MILLING TO BE USED AT DISCRETION OF ENGINEER FOR ALL TIE-INS.
SEE PLANS FOR LOCATION OF MONOLITHIC ISLANDS.



6/2/99
 12/19/2025
 P:\Roadway\p-r-o-j\sh-t\1193565_RDY-ps\sh02A-TYP.dgn

ALIGNMENT CURVE DATA

PROJECT REFERENCE NO. 50791	SHEET NO. 2B-1
ROADWAY DESIGN ENGINEER	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
	

STV Engineers, Inc.
2151 Hawkins St., Suite 1400
Charlotte, NC 28203
NC License Number F-0991

CURVE DATA -L-	
<i>PI Sta 16+05.87</i> $\Delta = 24^{\circ} 17' 00.9" (LT)$ $D = 18^{\circ} 28' 57.0"$ $L = 131.39'$ $T = 66.69'$ $R = 310.00'*$ $e = NC$	<i>PI Sta 18+11.81</i> $\Delta = 22^{\circ} 05' 08.3" (RT)$ $D = 19^{\circ} 05' 54.9"$ $L = 115.64'$ $T = 58.55'$ $R = 300.00'*$ $e = NC$
<i>PI Sta 19+41.68</i> $\Delta = 16^{\circ} 33' 41.0" (LT)$ $D = 11^{\circ} 27' 33.0"$ $L = 144.53'$ $T = 72.77'$ $R = 500.00'*$ $e = NC$	<i>PI Sta 24+18.58</i> $\Delta = 62^{\circ} 34' 44.2" (LT)$ $D = 25^{\circ} 26' 27.0"$ $L = 245.98'$ $T = 136.87'$ $R = 225.21'$ $e = EXIST$

*CURVE AT ROUNDABOUT APPROACH

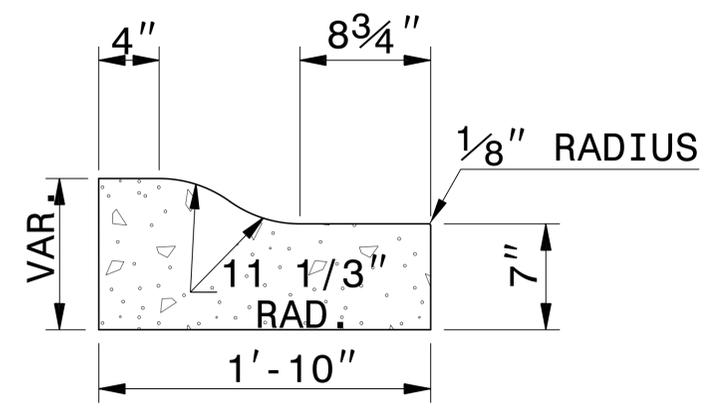
CURVE DATA -Y-		
<i>PI Sta 15+50.35</i> $\Delta = 15^{\circ} 47' 18.3" (LT)$ $D = 13^{\circ} 10' 17.2"$ $L = 119.87'$ $T = 60.32'$ $R = 435.00'*$ $e = NC$	<i>PI Sta 17+89.89</i> $\Delta = 15^{\circ} 52' 44.1" (RT)$ $D = 13^{\circ} 10' 17.2"$ $L = 120.56'$ $T = 60.67'$ $R = 435.00'*$ $e = NC$	<i>PI Sta 18+94.22</i> $\Delta = 5^{\circ} 05' 23.4" (LT)$ $D = 5^{\circ} 43' 46.5"$ $L = 88.83'$ $T = 44.45'$ $R = 1,000.00'$ $e = NC$

*CURVE AT ROUNDABOUT APPROACH

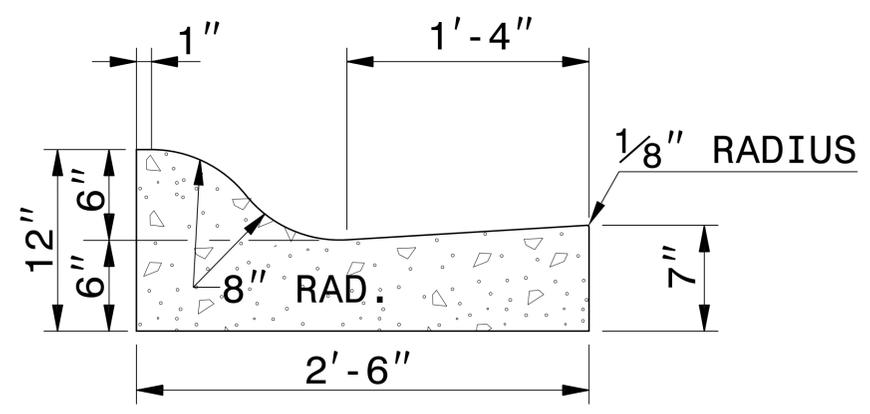
CURVE DATA -RAB-		
<i>PI Sta 0+72.75</i> $\Delta = 120^{\circ} 00' 00.0" (LT)$ $D = 136^{\circ} 25' 06.7"$ $L = 87.96'$ $T = 72.75'$ $R = 42.00'$ $e = 2.0\%$	<i>PI Sta 1+60.71</i> $\Delta = 120^{\circ} 00' 00.0" (LT)$ $D = 136^{\circ} 25' 06.7"$ $L = 87.96'$ $T = 72.75'$ $R = 42.00'$ $e = 2.0\%$	<i>PI Sta 2+48.68</i> $\Delta = 120^{\circ} 00' 00.0" (LT)$ $D = 136^{\circ} 25' 06.7"$ $L = 87.96'$ $T = 72.75'$ $R = 42.00'$ $e = 2.0\%$

CURVE DATA -DRI- (DREWEWAY)	
<i>PI Sta 11+66.49</i> $\Delta = 81^{\circ} 41' 53.2" (LT)$ $D = 114^{\circ} 35' 29.6"$ $L = 71.30'$ $T = 43.23'$ $R = 50.00'$ $e = 2.0\%$	<i>PI Sta 12+77.09</i> $\Delta = 89^{\circ} 43' 09.5" (RT)$ $D = 114^{\circ} 35' 29.6"$ $L = 78.29'$ $T = 49.76'$ $R = 50.00'$ $e = 2.0\%$

PROJECT REFERENCE NO. 50791	SHEET NO. 2C-1
ROADWAY DESIGN ENGINEER	
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	
 <p>STV Engineers, Inc. 2151 Hawkins St., Suite 1400 Charlotte, NC 28203 NC License Number F-0991</p>	



ROLLED CURB AND GUTTER
 -RAB- STA. 00+00.00 TO STA. 2+63.89



MODIFIED ROLLED CURB AND GUTTER
 -L- STA. 14+60.00 TO STA. 16+07.10 RT
 -Y- STA. 13+15.00 TO STA. 13+45.00 LT
 -Y- STA. 14+00.76 TO STA. 14+30.76 LT

COMPUTED BY: CO DATE: 4/05/2024
 CHECKED BY: WDM DATE: 4/16/2024

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

PROJECT REFERENCE NO. <i>50791</i>	SHEET NO. <i>3B-1</i>
ROADWAY DESIGN ENGINEER	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 STV Engineers, Inc. <small>2151 Hawkins St., Suite 1400 Charlotte, NC 28203 NC License Number F-0991</small>	

SUMMARY OF EARTHWORK IN CUBIC YARDS

SURVEY LINE	FROM STATION	TO STATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANK +%	BORROW	WASTE
-L-	15+50.00 LT	16+52.36 LT	15		5		10
-L-	17+71.37 LT	21+00.00 LT	310		24		286
-Y-	12+95.00	15+91.68	52		574	522	
-DRI-	11+30.57	13+22.49	492				492
-RAB-	1+25.00	2+50.00	74		460	386	
SUBTOTAL 1			943		1,063	908	788
-L-	14+60.00	15+91.68	41		16		25
-L-	15+50.00 RT	16+52.36 RT	153				153
-L-	17+71.37 RT	21+00.00 RT	237		80		157
-Y-	17+08.27	18+15.64	81		6		75
-RAB-	00+00.00	1+25.00	145		347	202	
-RAB-	2+50.00	2+63.89			64	64	
SUBTOTAL 2			657		513	266	410
TOTAL			1,600		1,576	1,174	1,198
MATERIAL FOR SHOULDER CONSTRUCTION							
LOSS DUE TO CLEARING & GRUBBING							
ADDITIONAL UNDERCUT							
ROCK WASTE TO REPLACE BORROW							
ADJUST FOR ROCK WASTE							
WASTE IN LIEU OF BORROW						-1,174	-1,174
PROJECT TOTAL			1,600		1,576		24
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT							
GRAND TOTAL			1,600		1,576		24
SAY			1,600				

EST. SHALLOW UNDERCUT = 100 CY
 CLASS IV SUBGRADE STABILIZATION = 150 TON
 GEOTEXTILE FOR SOIL STABILIZATION = 300 SY

NOTE: Earthwork quantities are calculated by the Engineer. Approximate quantities only. Unclassified excavation, borrow excavation, shoulder borrow, fine grading, clearing and grubbing, breaking of existing pavement, and removal of existing pavement will be paid for at the contract lump sum price for Grading.

PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD ²
-L-	16+00	16+52	RT	273
-L-	17+68	19+00	RT	699
-Y-	14+50	16+00	LT	577
-Y-	17+05	17+50	LT	310
-RAB-	0+00	2+50	LT	768
TOTAL:				2,627
SAY:				2,630

12/19/2025 12:19:25 PM C:\Users\pcoj\OneDrive\Projects\H113565_rdy_psh\03B-1.dgn

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
50791	3P-1

stv STV Engineers, Inc.
2151 Hawkins St., Suite 1400
Charlotte, NC 28203
NC License Number F-0991

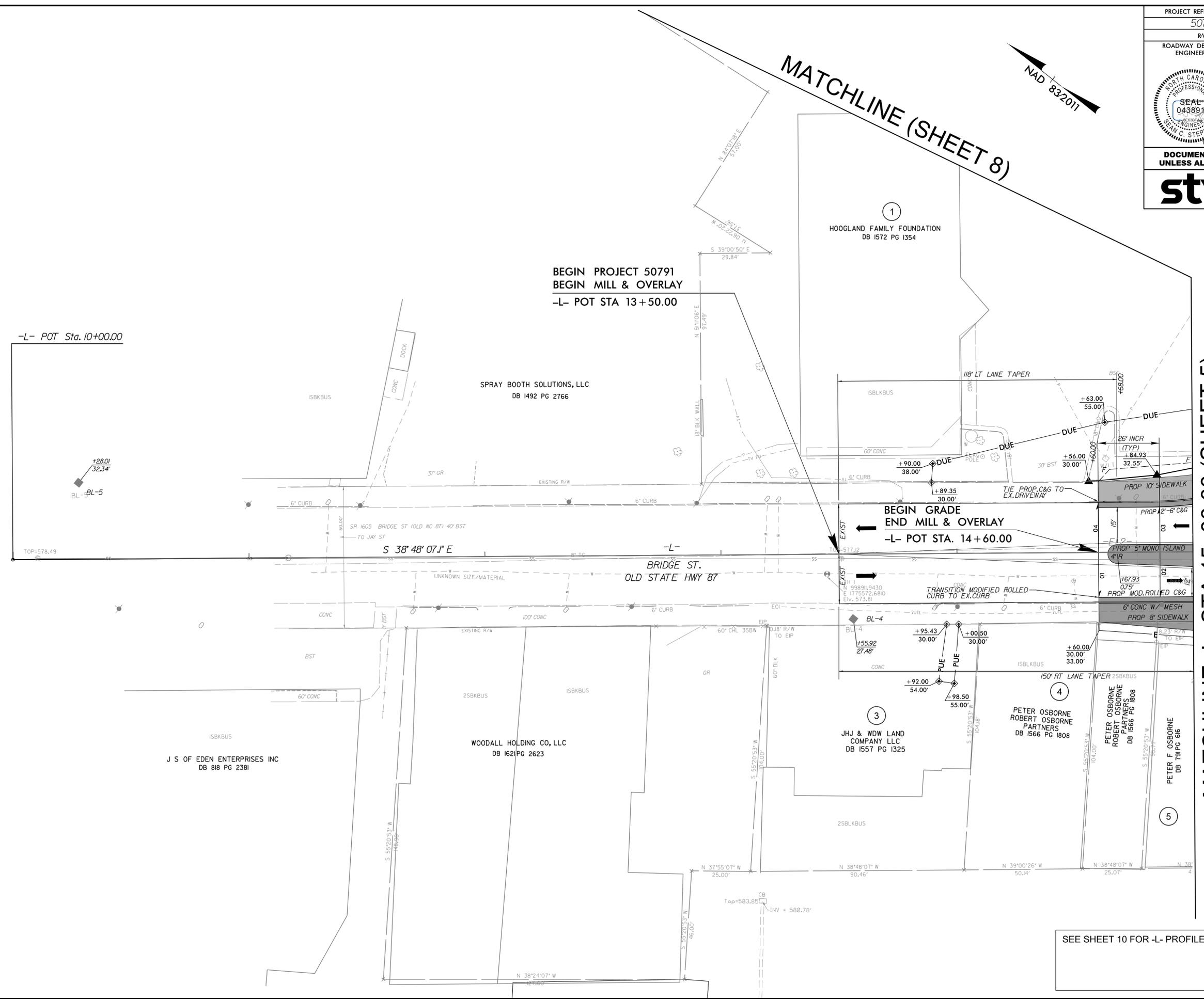
PARCEL INDEX SHEET

PARCEL NO.	SHEET NO.	PROPERTY OWNER NAME
1	4, 5, 7	Hoogland Family Foundation
2	5,7	Kenneth Barnes & James Barnes
3	4	JHJ & WDW Land Company LLC
4	4	Peter Osborne & Robert Osborne Partners
5	5	Peter F Osborne
6	5	Wise Choice Investments
7	5	Phillip Sharpe
8	5	600 Washington St, LLC
9	5	City of Eden
10	5	Jerry Holland
11	6	Kamcp, LLC
12	5	J & M Properties of Eden, LLC

PROJECT REFERENCE NO. 50791		SHEET NO. 4	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
STV STV Engineers, Inc. 2151 Hawkins St., Suite 1400 Charlotte, NC 28203 NC License Number F-0991			

8/17/99

12/23/2025
r:\25\2025\proj\proj\sheet\H13565.RDY_psh04.dgn
stephen



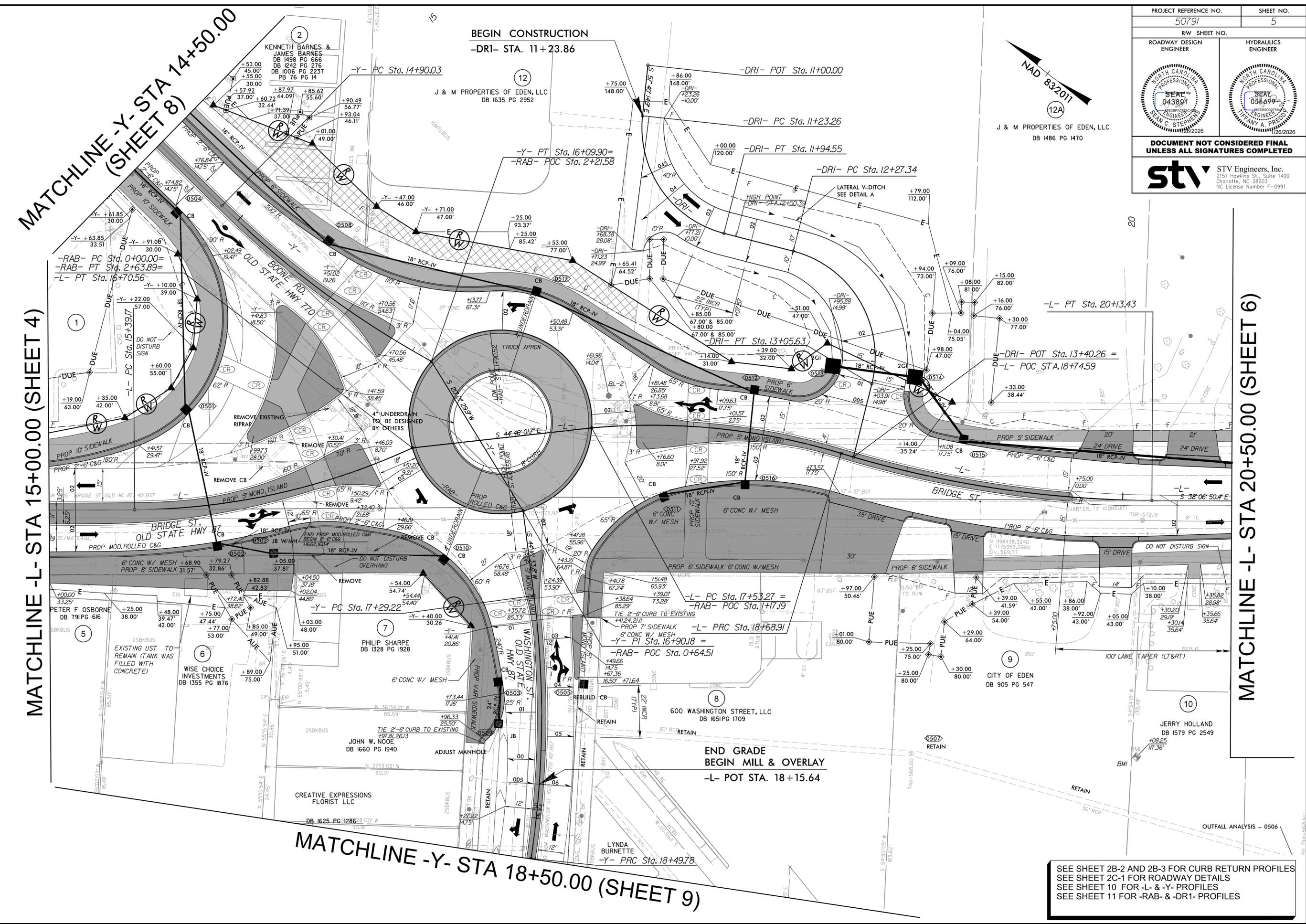
BEGIN PROJECT 50791
 BEGIN MILL & OVERLAY
 -L- POT STA 13+50.00

BEGIN GRADE
 END MILL & OVERLAY
 -L- POT STA. 14+60.00

-L- POT Sta. 10+00.00

SEE SHEET 10 FOR -L- PROFILE

PROJECT REFERENCE NO. 50791		SHEET NO. 5	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
STV Engineers, Inc. 2151 Hawkins St., Suite 1400 Charlotte, NC 28203 NC License Number F-0991			



MATCHLINE -L- STA 15+00.00 (SHEET 4)

MATCHLINE -Y- STA 14+50.00 (SHEET 8)

MATCHLINE -Y- STA 18+50.00 (SHEET 9)

MATCHLINE -L- STA 20+50.00 (SHEET 6)



SEE SHEET 2B-2 AND 2B-3 FOR CURB RETURN PROFILES
 SEE SHEET 2C-1 FOR ROADWAY DETAILS
 SEE SHEET 10 FOR -L- & -Y- PROFILES
 SEE SHEET 11 FOR -RAB- & -DRI- PROFILES

8/17/19

stv STV Engineers, Inc.
 2151 Hawkins St., Suite 1400
 Charlotte, NC 28203
 NC License Number F-0991

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

PROJECT REFERENCE NO. 50791	SHEET NO. 6
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



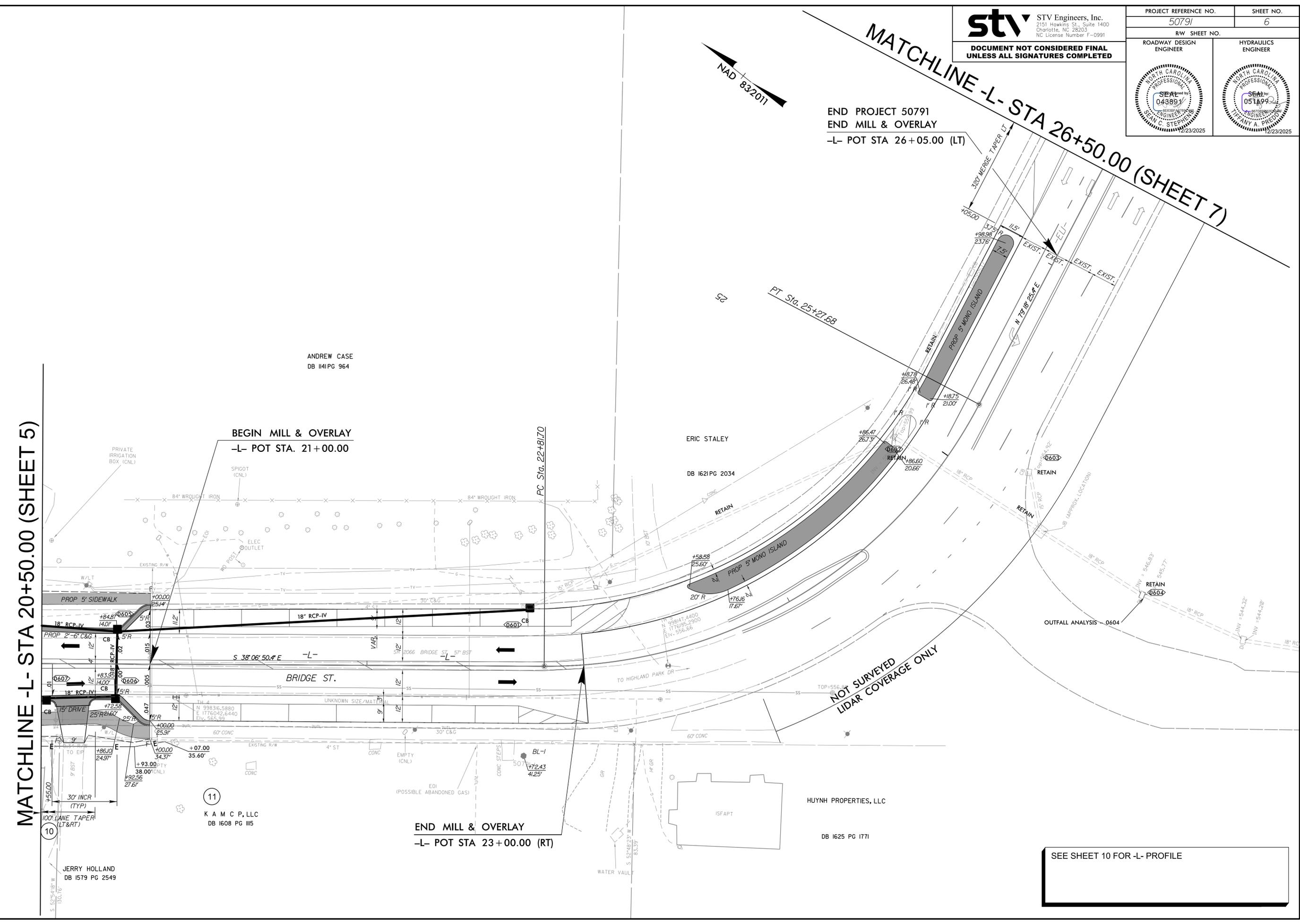
END PROJECT 50791
 END MILL & OVERLAY
 -L- POT STA 26+05.00 (LT)

MATCHLINE -L- STA 26+50.00 (SHEET 7)

MATCHLINE -L- STA 20+50.00 (SHEET 5)

BEGIN MILL & OVERLAY
 -L- POT STA. 21+00.00

END MILL & OVERLAY
 -L- POT STA 23+00.00 (RT)



NOT SURVEYED
 LIDAR COVERAGE ONLY

SEE SHEET 10 FOR -L- PROFILE

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 JERRY HOLLAND
 DB 1579 PG 2549

JERRY HOLLAND
 DB 1579 PG 2549

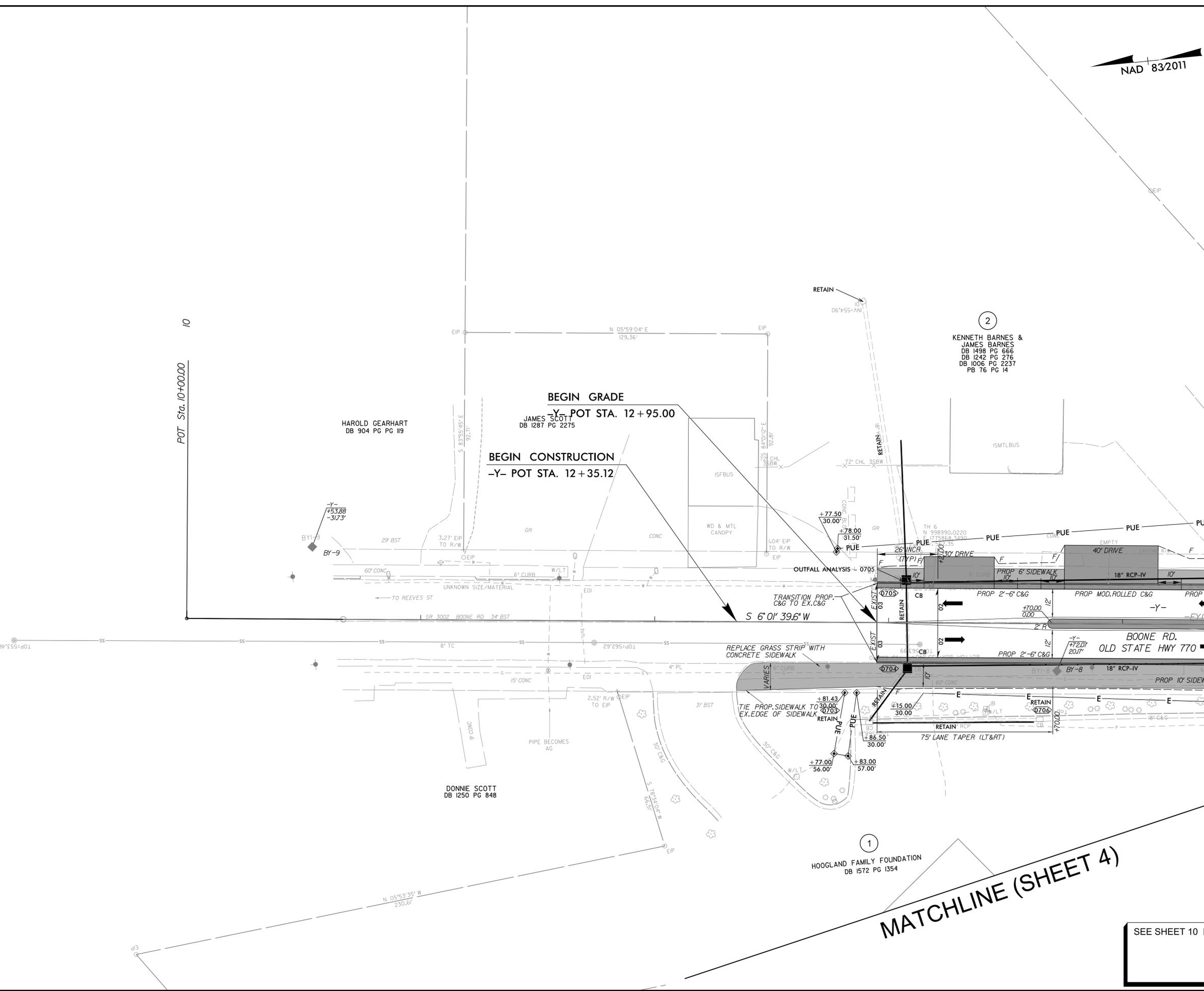
11
 K A M C P, LLC
 DB 1608 PG 115

ANDREW CASE
 DB 1141 PG 964

ERIC STALEY
 DB 1621 PG 2034

HUYNH PROPERTIES, LLC
 DB 1625 PG 1771

PROJECT REFERENCE NO. 50791	SHEET NO. 8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
STV Engineers, Inc. 2151 Hawkins St., Suite 1400 Charlotte, NC 28203 NC License Number F-0991	



POT Sta. 10+00.00
10

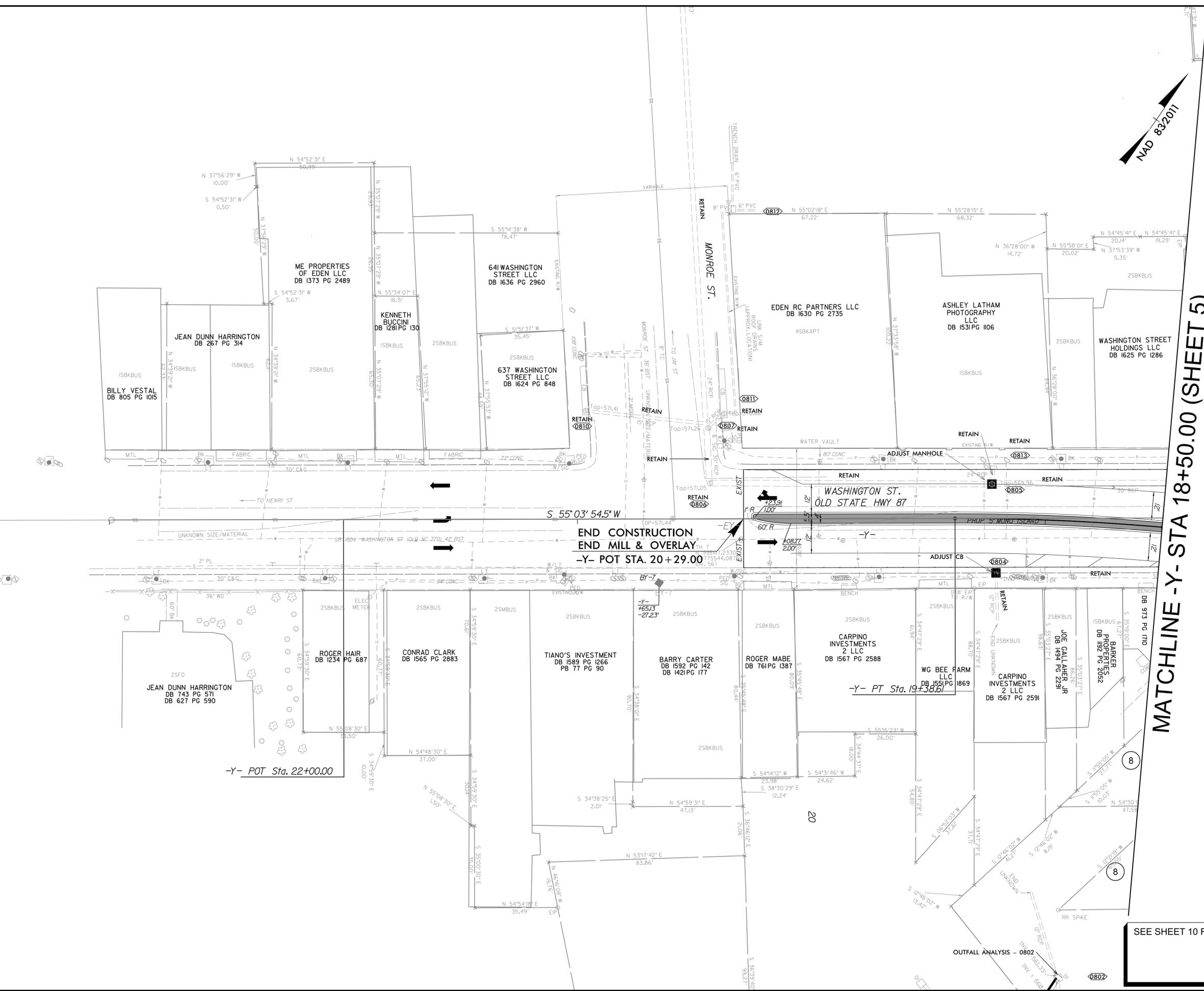
MATCHLINE -Y- STA 14+50.00 (SHEET 5)

MATCHLINE (SHEET 4)

SEE SHEET 10 FOR -Y- PROFILE

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 stv\des

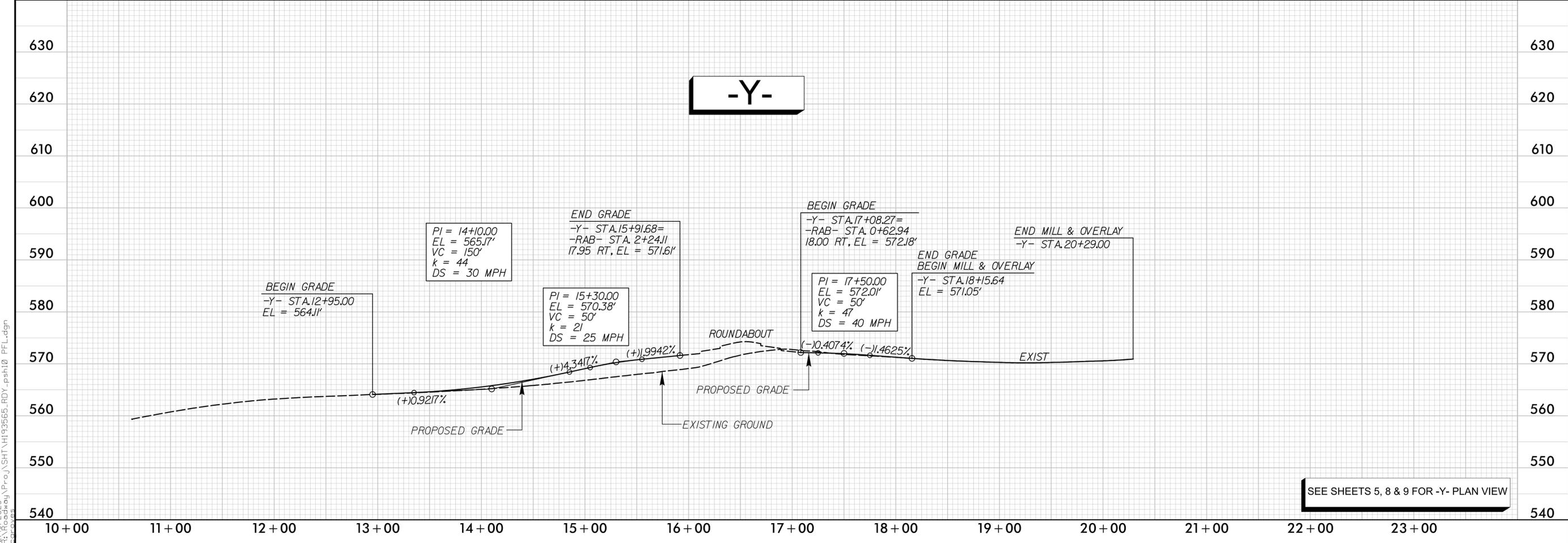
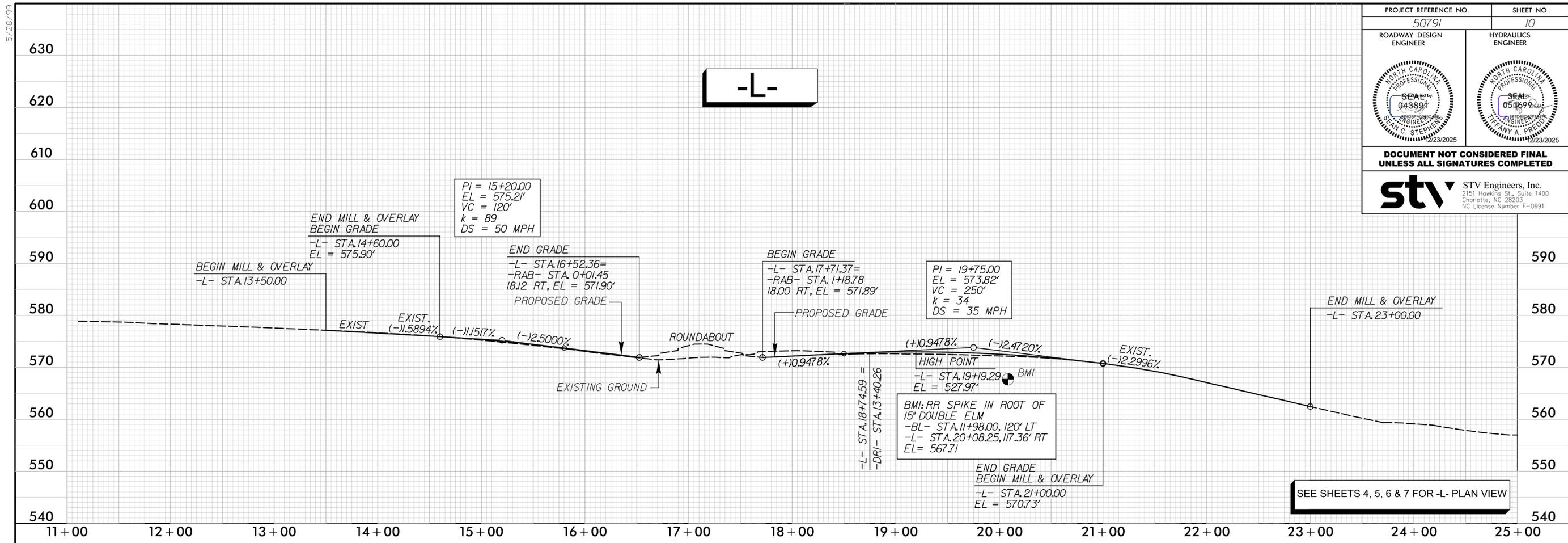
PROJECT REFERENCE NO. 50791	SHEET NO. 9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
STV Engineers, Inc. 2151 Hawkins St., Suite 1400 Charlotte, NC 28203 NC License Number F-0991	



MATCHLINE -Y- STA 18+50.00 (SHEET 5)

SEE SHEET 10 FOR -Y- PROFILE

PROJECT REFERENCE NO. 50791	SHEET NO. 10
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 STV Engineers, Inc. 2151 Hawks Dr., Suite 1400 Charlotte, NC 28203 NC License Number F-0991	

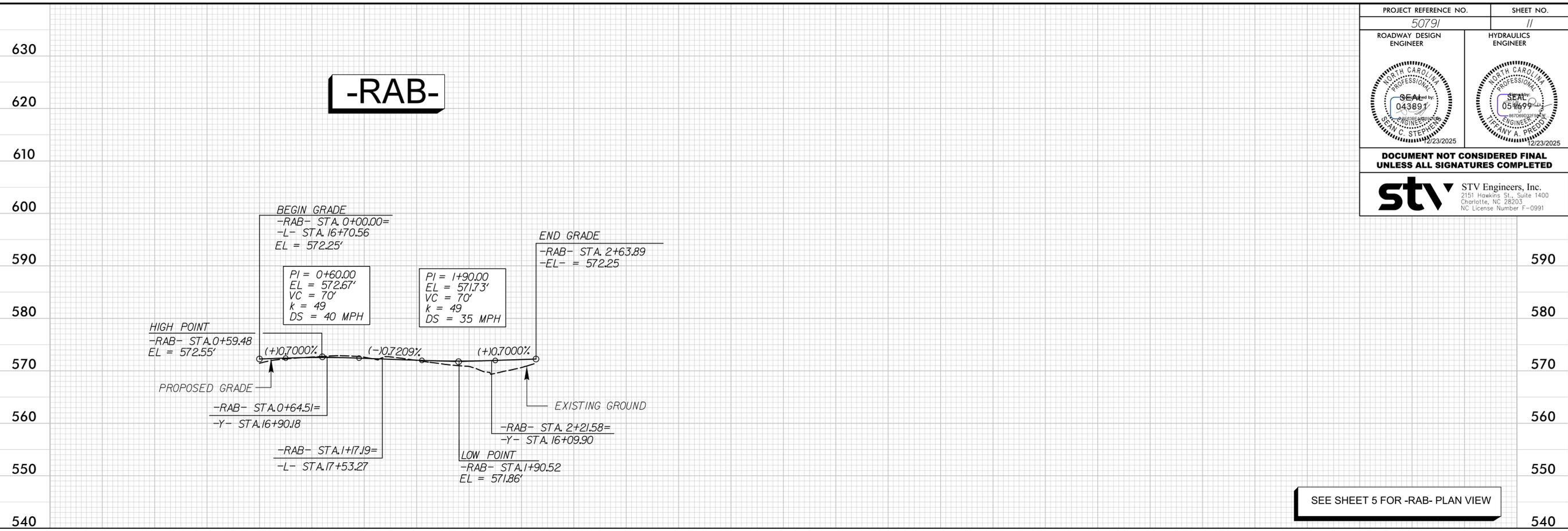


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PROJECT REFERENCE NO. 50791	SHEET NO. 11
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 STV Engineers, Inc. 2151 Hawks St., Suite 1400 Charlotte, NC 28203 NC License Number F-0991	

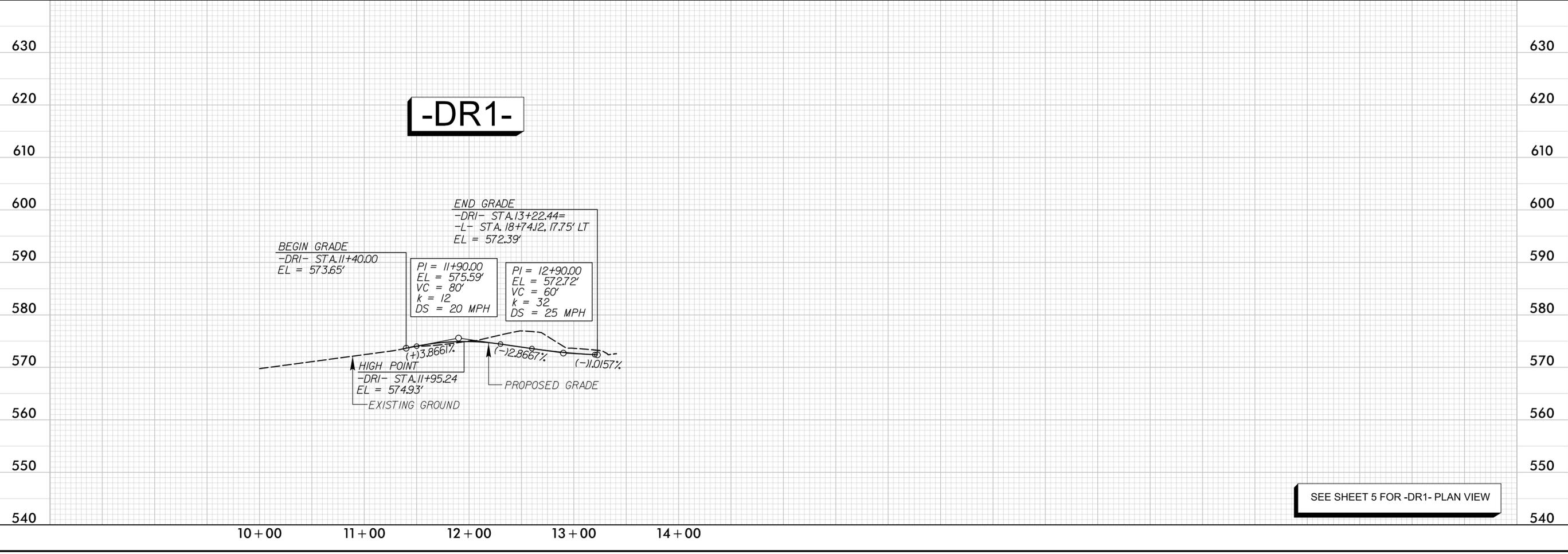
5/28/25

-RAB-



SEE SHEET 5 FOR -RAB- PLAN VIEW

-DR1-



SEE SHEET 5 FOR -DR1- PLAN VIEW

12/18/2025
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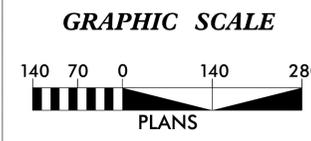
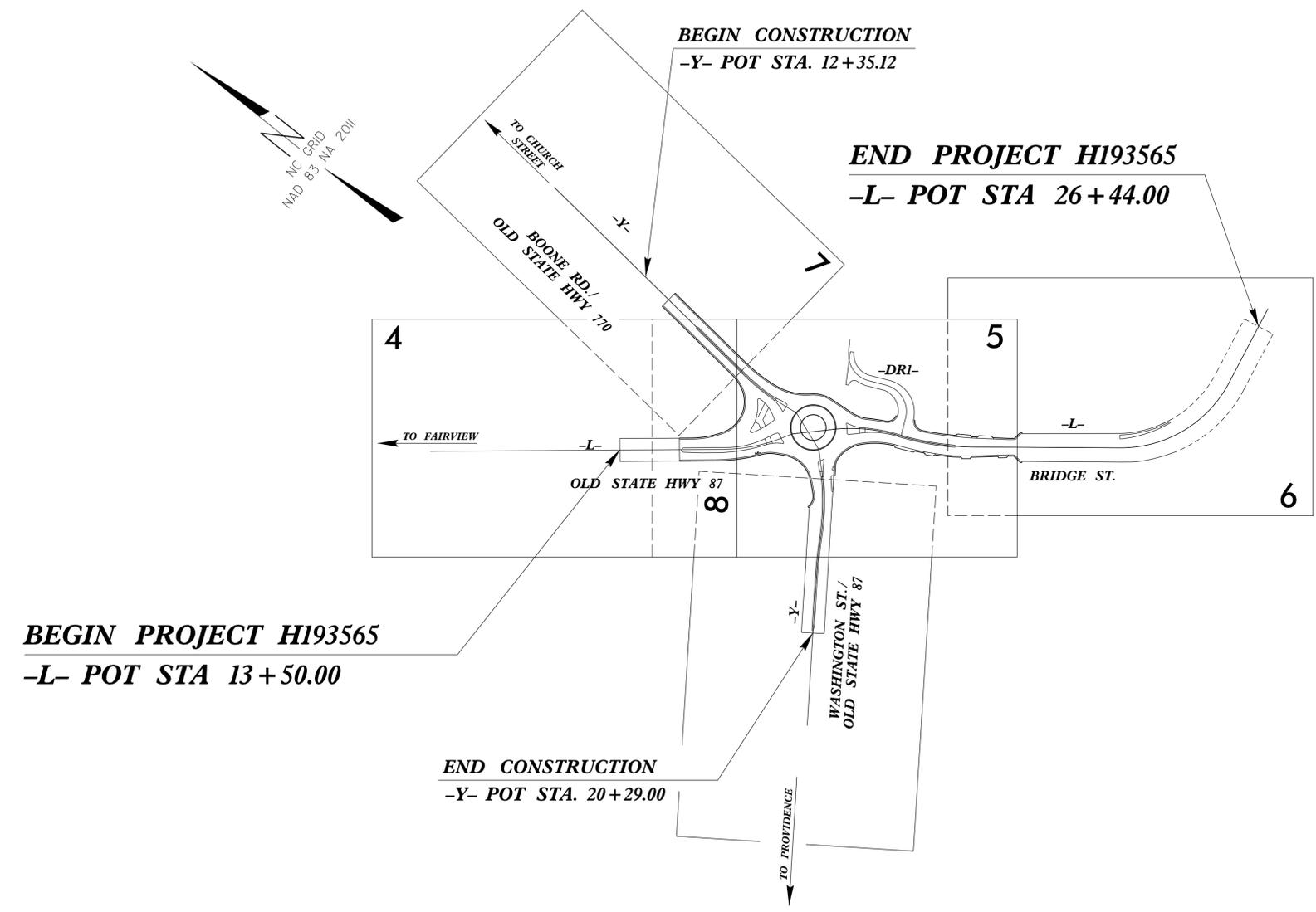
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	SR-1604	RW01	12

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SURVEY CONTROL, EXISTING CENTERLINES,
RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

ROCKINGHAM COUNTY

TIP PROJECT: SR-1604



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "50791-2" WITH NAD 83/NA2011 STATE PLANE GRID COORDINATES OF NORTHING: 998627.8835(ft) EASTING: 1775876.7678(ft) ELEVATION: 572.73(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9999154873
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "50791-2" TO -L- STATION 13+50.00 IS N 45-53'57.8" W 409.98(ft)
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:



an Affiliate of THE GEL GROUP, INC.
111 CREEK RIDGE ROAD
SUITE C
GREENSBORO, NC 27406
(336) 516-9840
WWW.GEL-SOLUTIONS.COM

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
09/19/2024

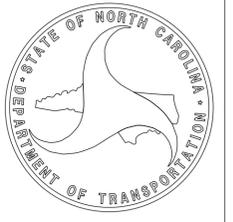
LETTING DATE:
02/19/2026

PROFESSIONAL LAND SURVEYOR

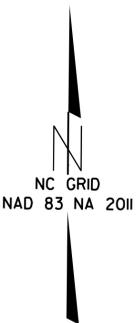
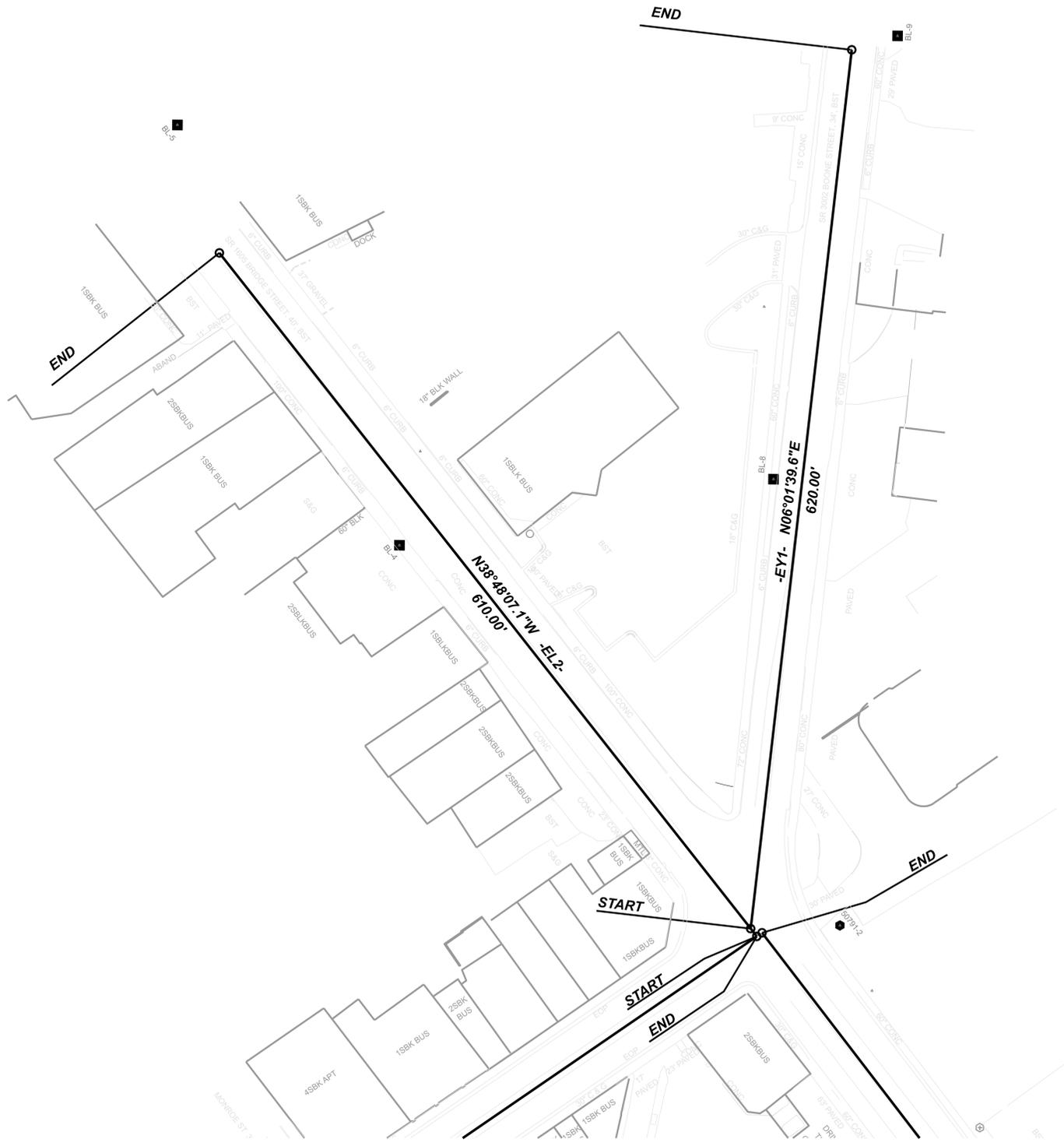


Parks H. Icenhour, Jr.

Digitally signed by Parks H. Icenhour, Jr.
Date: 2025.09.30 15:17:16 -04'00'



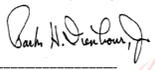
30-SEP-2025 15:15 CA:\SR1604-50791\RW\SURV\TAKING_8-25\SR1604-LS-RW01.dgn Andy.Smith



I, Parks H Icenhour Jr, PLS, certify that the Project Control was performed under my supervision from an actual GPS survey performed under my supervision and the following information was used to perform the survey:

Class of survey: **AA**
 Type of GPS field procedure: RTN
 Dates of survey: 7-18-2023
 Datum/Epoch: NAD 1983/ N2011
 Published/Fixed-control use: N/A
 Localized around: 50791-2
 Northing: 998627.8835
 Easting: 1775876.7678
 Combined grid factor: 0.9999154873
 Geoid model: G18
 Units: US SURVEY FEET

I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from 7-18-23 to 8-29-23, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 31st day of August, 2023.

 Digitally signed by Parks Icenhour
 Date: 2023.08.31 14:51:21 -04'00'
 Professional Land Surveyor L-3996

50791
R/W 02C-1
 NORTH CAROLINA
 DEPARTMENT
 OF TRANSPORTATION



PROFESSIONAL LAND
 SURVEYOR




DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL SIGNATURES
 ARE COMPLETED

2018 STANDARD
 SPECIFICATIONS

TIP PROJECT: 50791
County: Rockingham



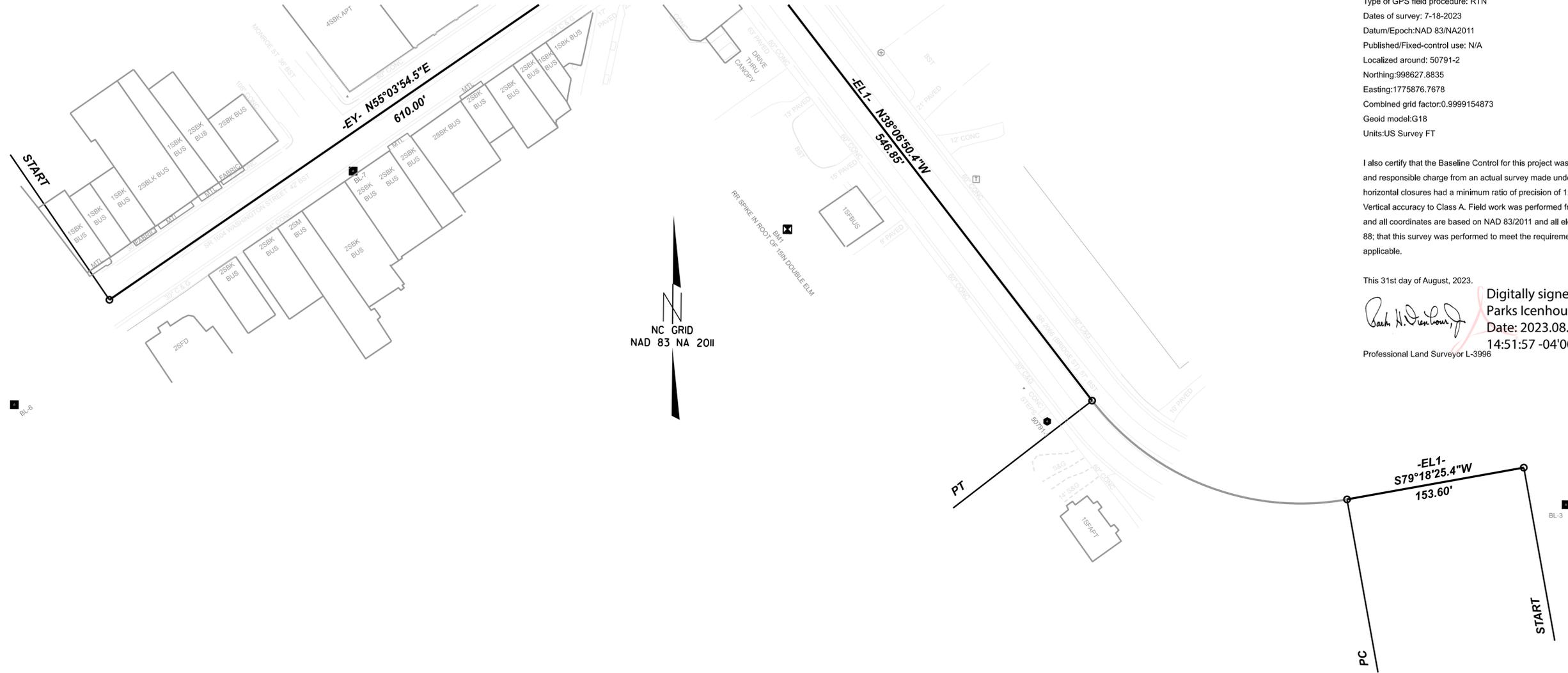
LOCATION AND
 SURVEYS UNIT

PREPARED BY

GEL SOLUTIONS
 an Affiliate of
 THE GEL GROUP, INC.
 111 CREEK RIDGE ROAD
 SUITE C
 GREENSBORO, NC 27406
 (336) 516-9840
 WWW.GEL-SOLUTIONS.COM

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



I, Parks H Icenhour Jr, PLS, certify that the Project Control was performed under my supervision from an actual GPS survey performed under my supervision and the following information was used to perform the survey:

Class of survey: AA
 Type of GPS field procedure: RTN
 Dates of survey: 7-18-2023
 Datum/Epoch: NAD 83/NA2011
 Published/Fixed-control use: N/A
 Localized around: 50791-2
 Northing: 998627.8835
 Easting: 1775876.7678
 Combined grid factor: 0.9999154873
 Geoid model: G18
 Units: US Survey FT

I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from 7-18-2023 to 8-29-2023, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 31st day of August, 2023.
 Digitally signed by Parks Icenhour
 Date: 2023.08.31 14:51:57 -04'00'
 Professional Land Surveyor L-3996

50791
 R/W 02C-2
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

PROFESSIONAL LAND SURVEYOR

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES ARE COMPLETED
 2018 STANDARD SPECIFICATIONS

TIP PROJECT: 50791
 County: Rockingham



LOCATION AND SURVEYS UNIT

PREPARED BY
GEL SOLUTIONS
 an Affiliate of THE GEL GROUP, INC.
 111 CREEK RIDGE ROAD
 SUITE C
 GREENSBORO, NC 27406
 (336) 516-9840
 WWW.GEL-SOLUTIONS.COM

NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.



DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL SIGNATURES
ARE COMPLETED

2018 STANDARD
SPECIFICATIONS

TIP PROJECT: 50791
County: Rockingham

PREPARED FOR



LOCATION AND
SURVEYS UNIT

PREPARED BY

GEL SOLUTIONS
an Affiliate of
THE GEL GROUP, INC.
111 CREEK RIDGE ROAD
SUITE C
GREENSBORO, NC 27406
(336) 516-9840
WWW.GEL-SOLUTIONS.COM

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Class of survey: **AA**
Type of GPS field procedure: RTN
Dates of survey: 7-18-2023
Datum/Epoch: NAD 1983/ N2011
Published/Fixed-control use: N/A
Localized around: 50791-2
Northing: 998627.8835
Easting: 1775876.7678
Combined grid factor: 0.9999154873
Geoid model: G18
Units: US SURVEY FEET

I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from 7-18-23 to 8-29-23, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 31st day of August, 2023.

Parks H. Icenhour Jr
Digitally signed by
Parks Icenhour
Date: 2023.08.31
Professional Land Surveyor L-3996 4:52:22 -04'00'

BASELINE POINTS TABLE				
POINT	DESC	NORTH	EAST	ELEVATION
1	50791-1	998173.8890	1776121.3720	566.3900
2	50791-2	998627.8830	1775876.7670	572.7300
3	BL3	998106.8700	1776565.7630	556.7900
4	BL4	998891.3630	1775564.6530	577.0400
5	BL5	999184.3940	1775405.7900	578.1900
6	BY6	998180.1720	1775237.7950	564.4700
7	BY7	998382.0100	1775525.7750	570.6200
8	BY8	998940.2100	1775827.0560	564.8200
9	BY9	999251.7070	1775911.2380	559.8500

BENCHMARK TABLE				
BENCHMARK	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM1	998335.7470	1775897.7040	567.7100	RR SPIKE IN ROOT OF 15IN DOUBLE ELM

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

EXISTING ALIGNMENT NAME:EL1									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	998138.2356	1776529.3366							
LINE			S79°18'25.4"W	153.6034					
PC	998109.7351	1776378.4004							
CURVE					62°34'44.2" Right	25°27'53.2"	245.747	136.746	225.000
PT	998191.9518	1776159.6261							
LINE			N38°06'50.4"W	546.8507					
END	998622.2053	1775822.0946							

EXISTING ALIGNMENT NAME:EL2									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	998619.6284	1775818.4055							
LINE			N38°48'07.1"W	610.0000					
END	999095.0113	1775436.1607							

EXISTING ALIGNMENT NAME:EY									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	998270.3151	1775318.3253							
LINE			N55°03'54.5"E	610.0000					
END	998619.6284	1775818.4055							

EXISTING ALIGNMENT NAME:EY1									
POINT	NORTHING	EASTING	BEARING	DIST	DELTA	D	L	T	R
START	998625.0384	1775814.0554							
LINE			N06°01'39.6"E	620.0000					
END	999241.6106	1775879.1607							

I, Parks H Icenhour Jr, PLS, certify that the Project Control was performed under my supervision from an actual GPS survey performed under my supervision and the following information was used to perform the survey:

Class of survey: **AA**
 Type of GPS field procedure: RTN
 Dates of survey: 7-18-2023
 Datum/Epoch: NAD 83/NA2011
 Published/Fixed-control use: N/A
 Localized around: 50791-2
 Northing: 998627.8835
 Easting: 1775876.7678
 Combined grid factor: 0.9999154873
 Geoid model: G18
 Units: US Survey FT

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This 31st day of August, 2023, Digitally signed by
 Parks Icenhour
 Date: 2023.08.31
 14:52:49 -04'00'

Professional Land Surveyor L-3996

50791

R/W 02C-4

NORTH CAROLINA
 DEPARTMENT
 OF TRANSPORTATION



PROFESSIONAL LAND
 SURVEYOR



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 ARE COMPLETED

2018 STANDARD
 SPECIFICATIONS

TIP PROJECT: 50791
 County: Rockingham

PREPARED FOR



LOCATION AND
 SURVEYS UNIT

PREPARED BY

GEL SOLUTIONS
 an Affiliate of
 THE GEL GROUP, INC.
 111 CREEK RIDGE ROAD
 SUITE C
 GREENSBORO, NC 27406
 (336) 516-9840
 WWW.GEL-SOLUTIONS.COM

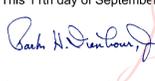
NOTES:

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- THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO. SR-1604	SHEET NO. RW02D-1
Location and Surveys	
 GEL SOLUTIONS <small>an Affiliate of THE GEL GROUP, INC.</small> 111 CREEK RIDGE ROAD SUITE C GREENSBORO, NC 27406 (336) 516-0840 WWW.GEL-SOLUTIONS.COM	
PROJECT SURVEYOR	
 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Parks H Icenhour Jr, PLS, certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

This 11th day of September, 2025, Digitally signed by
 Parks H. Icenhour, Jr.
 Date: 2025.09.11 15:42:24 -04'00'
 Professional Land Surveyor L-3996

L

TYPE	STATION	NORTH	EAST
POT	10+00.00	999185.9565	1775363.0337
PC	15+39.17	998765.7691	1775700.8970
PT	16+70.56	998683.6027	1775802.1607
PC	17+53.27	998624.8832	1775860.4049
PRC	18+68.91	998528.0590	1775922.3156
PT	20+13.43	998403.1225	1775993.9639
PC	22+81.70	998192.0531	1776159.5467
PT	25+27.68	998109.7590	1776378.5269
POT	26+81.15	998138.2356	1776529.3366

Y

TYPE	STATION	NORTH	EAST
POT	10+00.00	999308.1081	1775886.1824
PC	14+90.03	998820.7863	1775834.7249
PT	16+09.90	998701.3600	1775838.6169
POT	16+90.17	998625.9394	1775811.1288
PC	17+29.22	998597.9814	1775783.8686
PRC	18+49.78	998524.3540	1775688.8956
PT	19+38.61	998476.7830	1775613.9067
POT	23+98.52	998213.4191	1775236.8726

RAB

TYPE	STATION	NORTH	EAST
PC	0+00.00	998683.6027	1775802.1607
PCC	0+87.96	998617.5841	1775832.7147
PCC	1+75.93	998677.0540	1775874.6115
PT	2+63.89	998683.6027	1775802.1607

DR1

TYPE	STATION	NORTH	EAST
POT	10+00.00	998761.2261	1776090.8309
PC	11+23.26	998695.3104	1775986.6802
PT	11+94.55	998632.7023	1775967.7517
PC	12+27.34	998602.7565	1775981.1016
PT	13+05.63	998536.8307	1775956.0161
POT	13+40.70	998522.3974	1775924.0619

REVISIONS

NOTES:

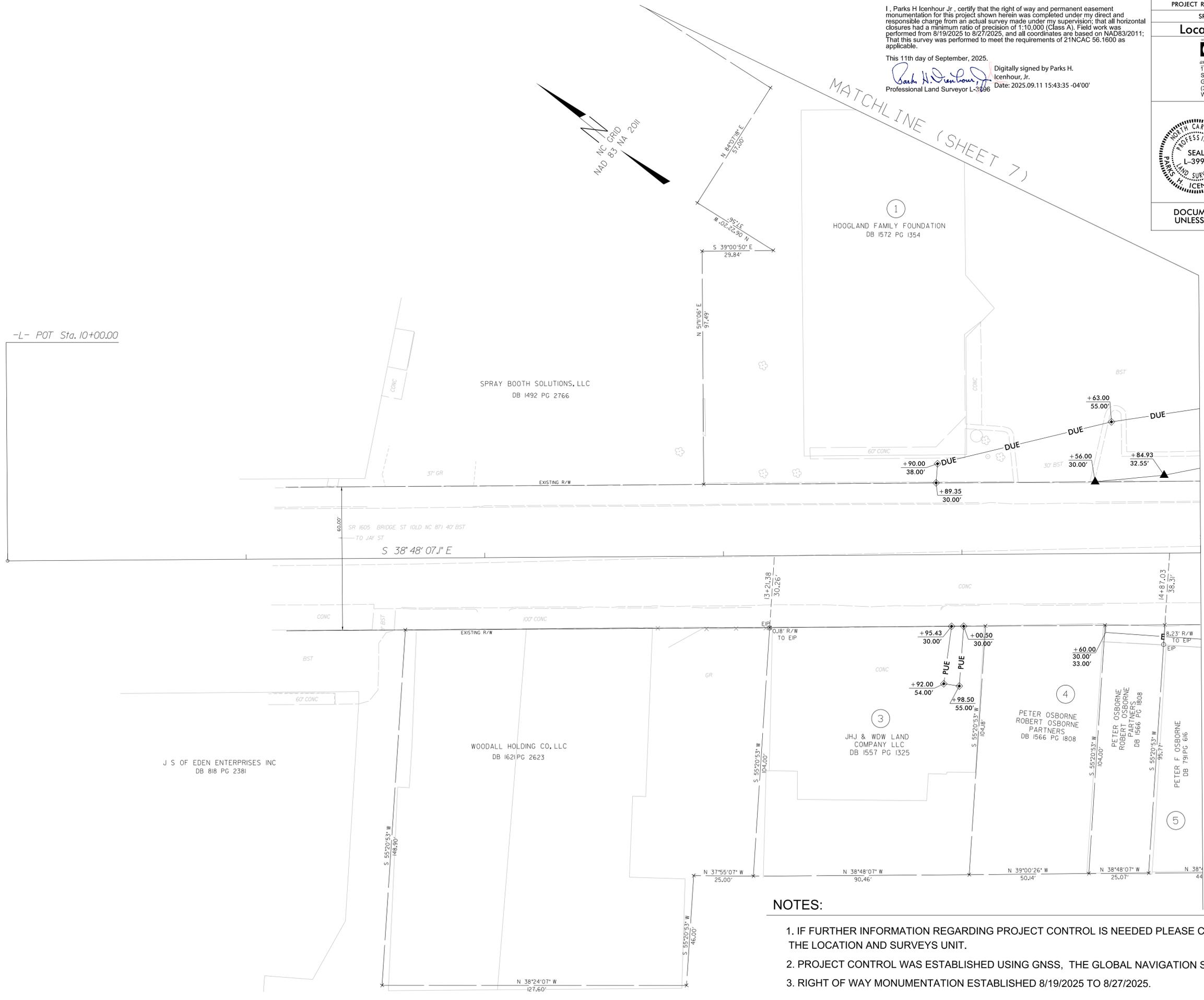
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE PROPOSED ALIGNMENT CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

ROW REVISION

10 SEP 2025 17:31 C:\SR1604\50731\FWSTAKING 8_25\SR1604.LL\$.RW04.dgn Andy Smith AT ANDY SMITH

-L- POT Sta. 10+00.00



NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 8/19/2025 TO 8/27/2025.

I, Parks H Icenhour Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 8/19/2025 to 8/27/2025, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 11th day of September, 2025.
 Digitally signed by Parks H. Icenhour, Jr.
 Date: 2025.09.11 15:43:35 -04'00'

PROJECT REFERENCE NO.	SHEET NO.
SR-1604	RW04
Location and Surveys	
an Affiliate of THE GEL GROUP, INC. 111 CREEK RIDGE ROAD SUITE C GREENSBORO, NC 27406 (336) 516-9840 WWW.GEL-SOLUTIONS.COM	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

Location and Surveys

GEL SOLUTIONS

an Affiliate of THE GEL GROUP, INC.
 111 CREEK RIDGE ROAD
 SUITE C
 GREENSBORO, NC 27406
 (336) 516-9840
 WWW.GEL-SOLUTIONS.COM

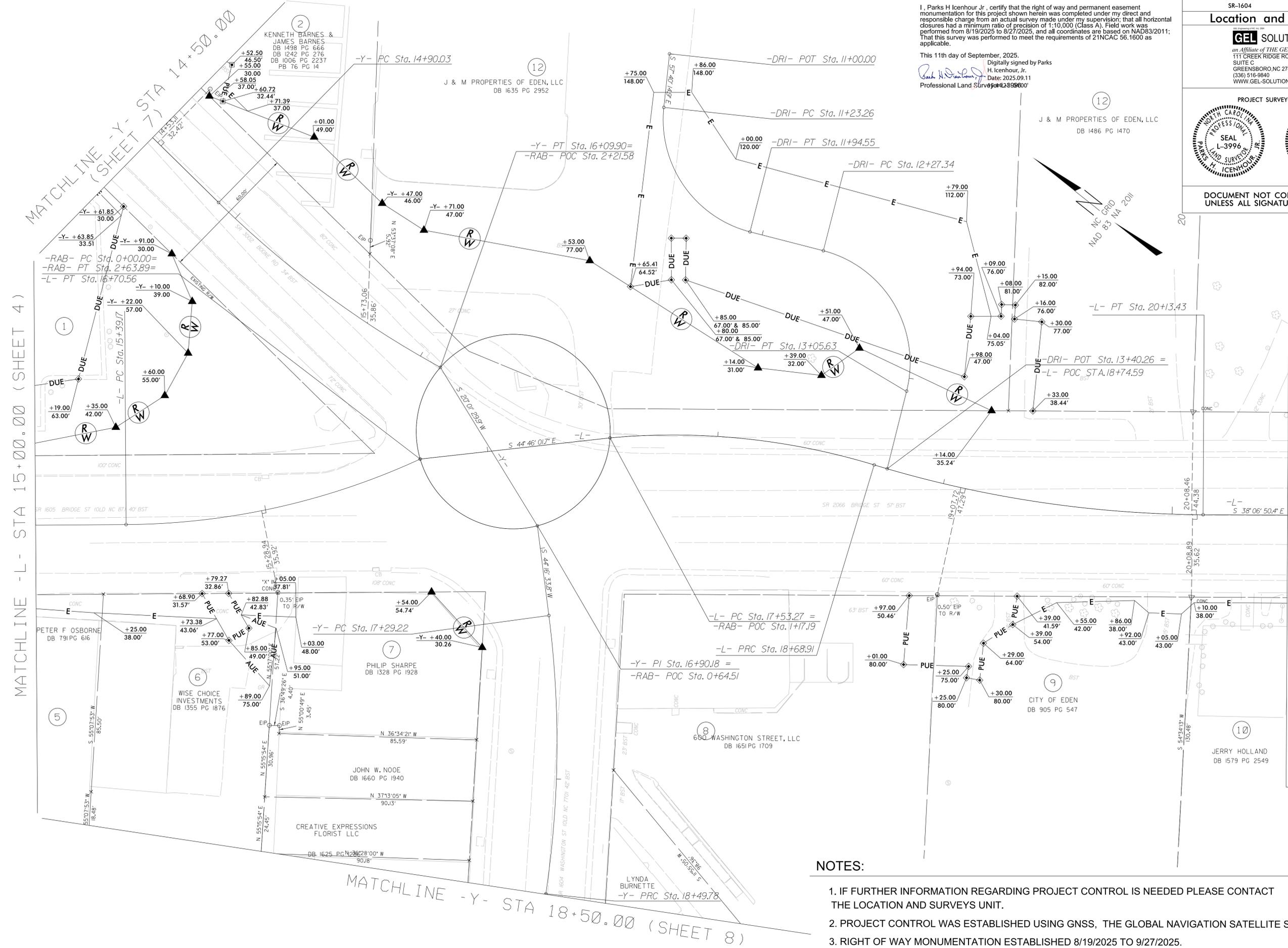
PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Parks H Icenhour Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 8/19/2025 to 8/27/2025, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 11th day of September, 2025.
 Digitally signed by Parks H. Icenhour, Jr.
 Date: 2025.09.11
 Professional Land Surveyor License No. 2809800



J & M PROPERTIES OF EDEN, LLC
 DB 1486 PG 1470

J & M PROPERTIES OF EDEN, LLC
 DB 1635 PG 2952

KENNETH BARNES &
 JAMES BARNES
 DB 1498 PG 666
 DB 1242 PG 276
 DB 1006 PG 2237
 PB 76 PG 14

MATCHLINE - L - STA 15+00.00 (SHEET 4)

MATCHLINE - L - STA 20+50.00 (SHEET 6)

MATCHLINE - Y - STA 18+50.00 (SHEET 8)

NOTES:

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2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 8/19/2025 TO 9/27/2025.

REVISIONS

10 SEP 2025 17:33 RMSTAKING 8_25\SR1604.LS.RW05.dgn
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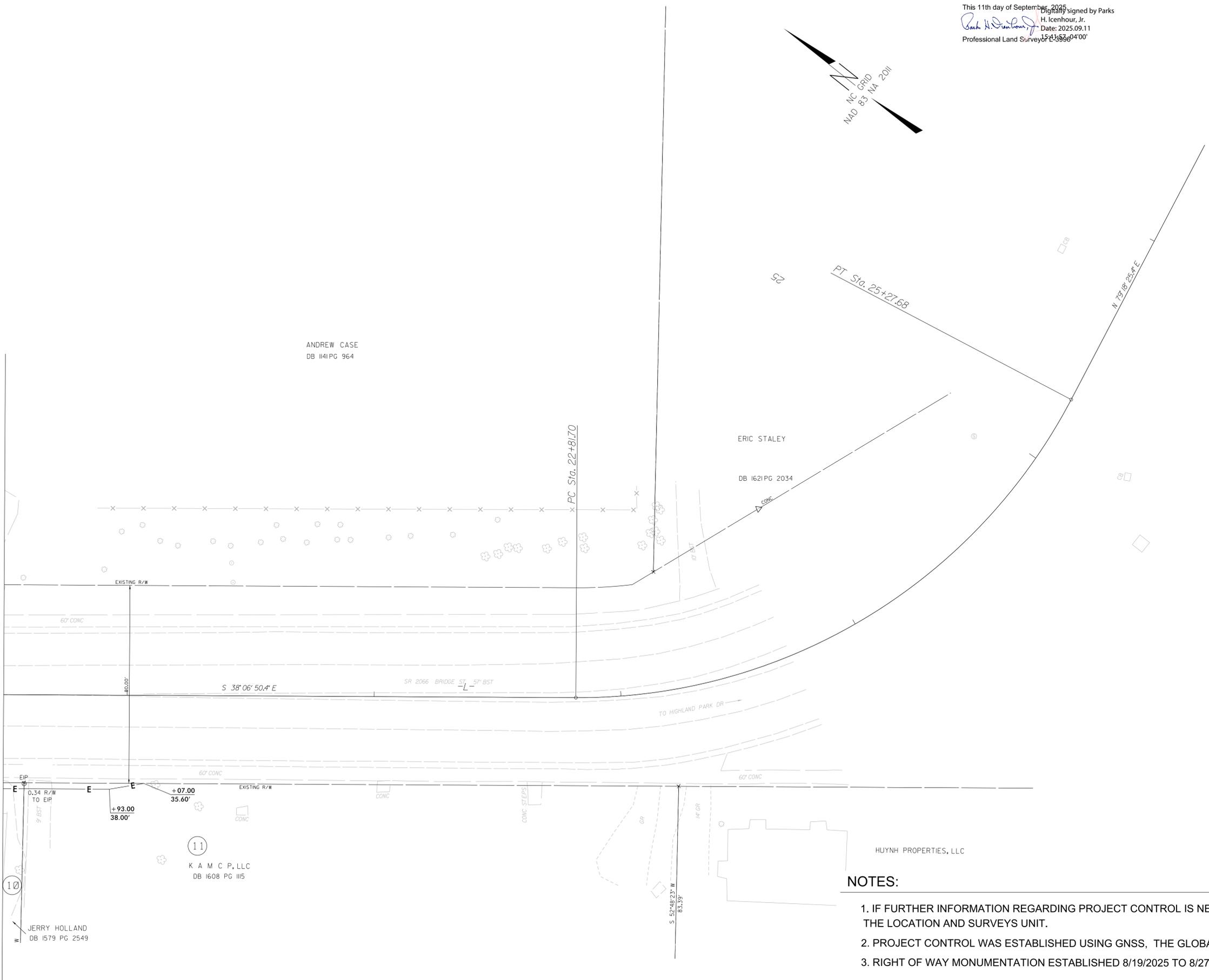
6/2/09

REVISIONS

ROW REVISION

10 SEP 2025 17:38
C:\SR1604\50738 RMSTAKING 8_25\SR1604.L.S. RW06.dgn
Andy Smith AT

MATCHLINE - L - STA 20+50.00 (SHEET 5)



I, Parks H Icenhour Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 8/19/2025 to 8/27/2025, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 11th day of September, 2025
 Digitally signed by Parks H. Icenhour, Jr.
 Date: 2025.09.11 15:41:57 -0400'
 Professional Land Surveyor L-3996

NC GRID
 NAD 83 NA 2011

PROJECT REFERENCE NO.	SHEET NO.
SR-1604	RW06
Location and Surveys	
 <small>an Affiliate of THE GEL GROUP, INC.</small> 111 CREEK RIDGE ROAD SUITE C GREENSBORO, NC 27406 (336) 516-9840 WWW.GEL-SOLUTIONS.COM	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

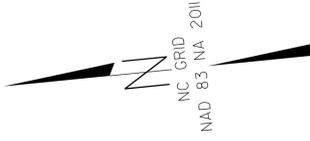
NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 8/19/2025 TO 8/27/2025.

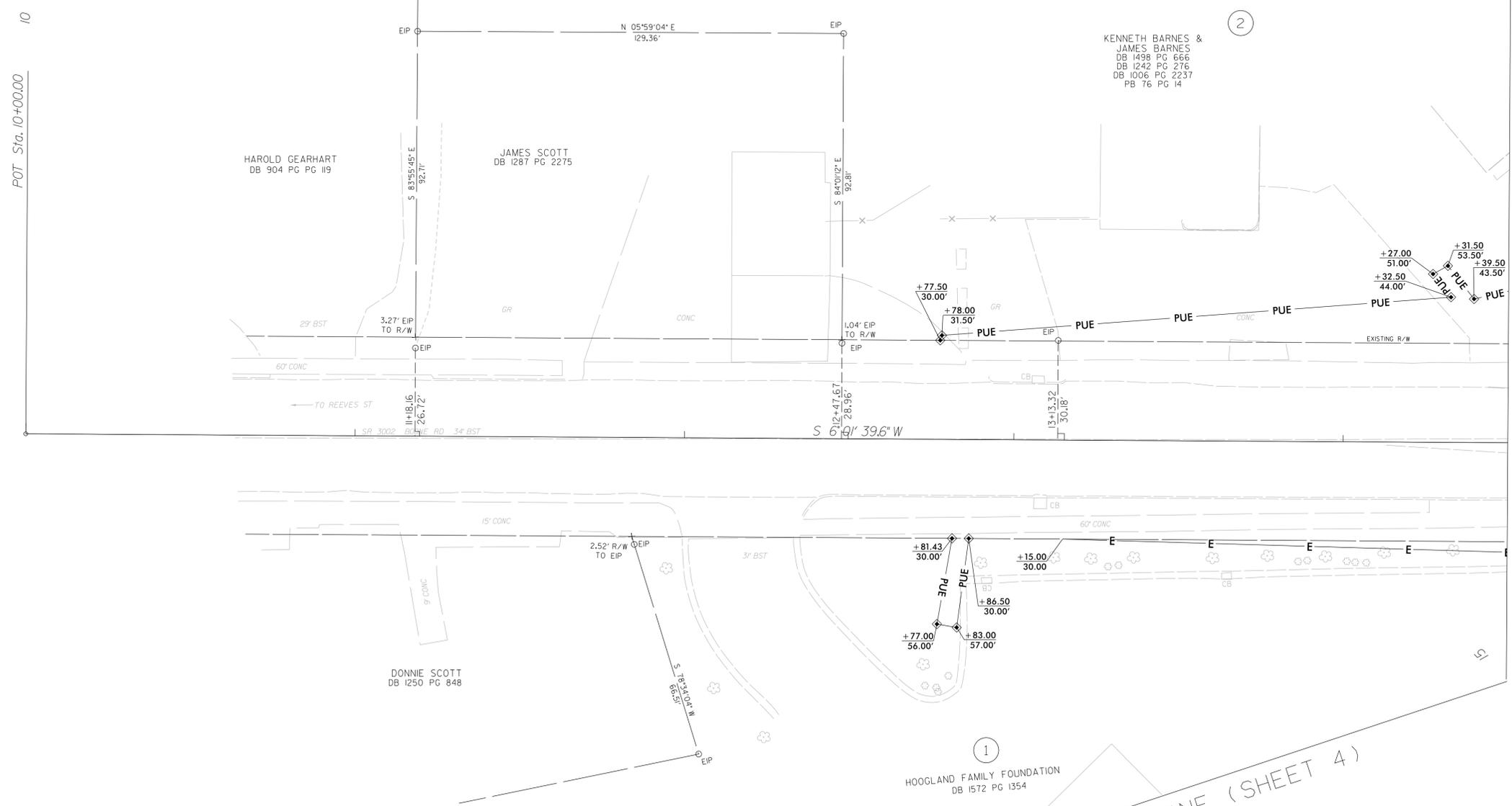
REVISIONS

I:\SERV_2025_0751\SR1604_L.S.RW07.dgn
C:\SR1604_50751\Andy_Smith

I, Parks H Icenhour Jr., certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 8/19/2025 to 8/27/2025, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.
This 11th day of September, 2025
Parks H. Icenhour, Jr.
Professional Land Surveyor
Digitally signed by Parks H. Icenhour, Jr.
Date: 2025.09.11 15:41:33 -04'00'



PROJECT REFERENCE NO.	SHEET NO.
SR-1604	RW07
Location and Surveys	
 <small>an Affiliate of THE GEL GROUP, INC.</small> 111 CREEK RIDGE ROAD SUITE C GREENSBORO, NC 27406 (336) 516-9840 WWW.GEL-SOLUTIONS.COM	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



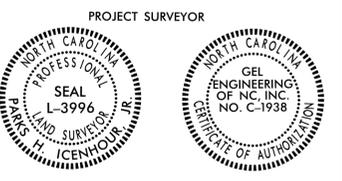
- NOTES:**
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
 2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
 3. RIGHT OF WAY MONUMENTATION ESTABLISHED 8/19/2025 TO 8/27/2025.

MATCHLINE (SHEET 4)

MATCHLINE -Y- STA 14+50.00 (SHEET 5)

Location and Surveys

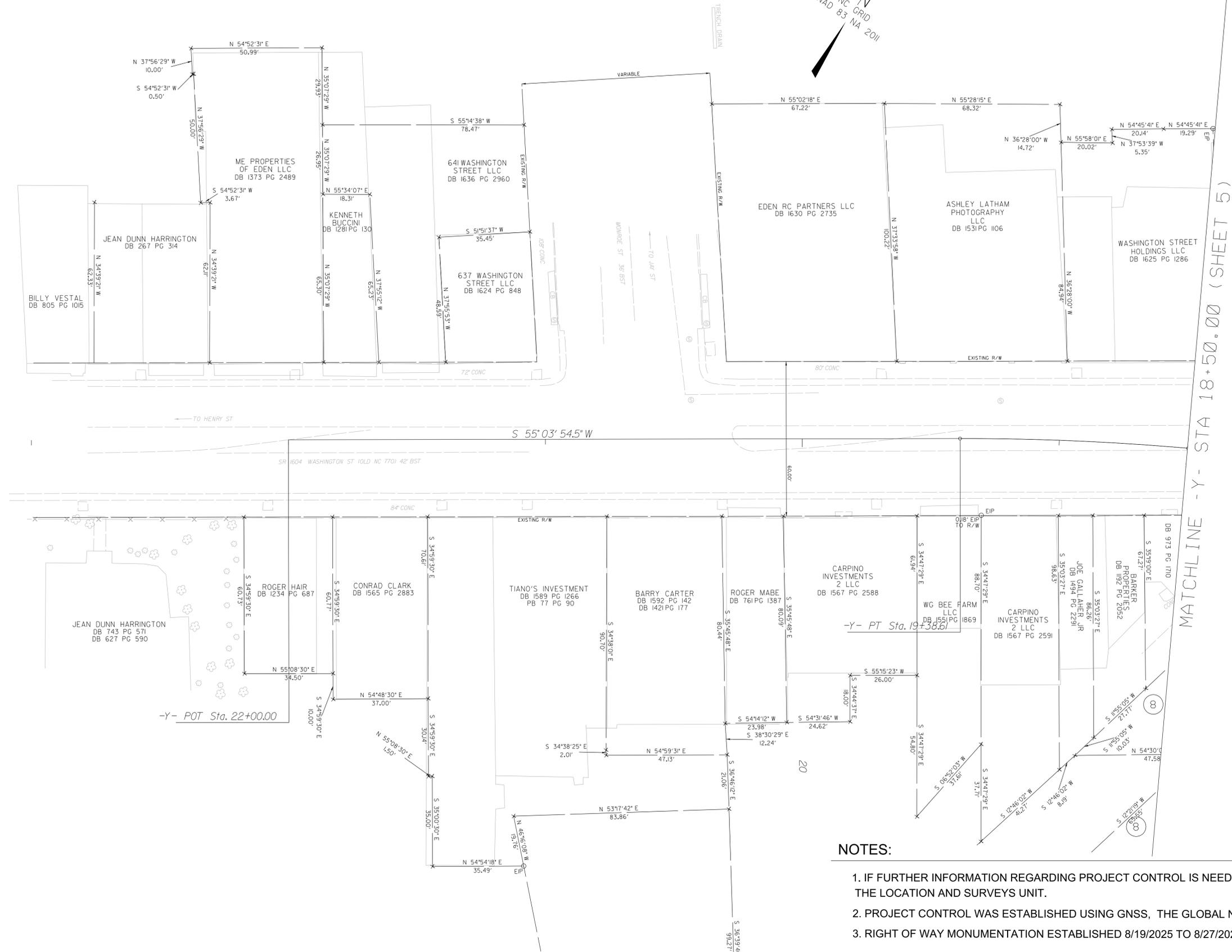
GEL SOLUTIONS
 an Affiliate of THE GEL GROUP, INC.
 111 CREEK RIDGE ROAD
 SUITE C
 GREENSBORO, NC 27406
 (336) 516-9840
 WWW.GEL-SOLUTIONS.COM



PROJECT SURVEYOR
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Parks H Icenhour Jr, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 8/19/2025 to 8/27/2025, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 11th day of September, 2025, I hereby signed by Parks H. Icenhour, Jr.
Park H. Icenhour, Jr. Date: 2025.09.11 15:41:08
 0400
 Professional Land Surveyor L-3996



NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 8/19/2025 TO 8/27/2025.

REVISIONS

ROW REVISION

I:\SERV\2025\0831\SR1604\RM\STAKING 8_25\SR1604.L.S.FW08.dgn
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ROADWAY STANDARD DRAWINGS

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

STD. NO.	TITLE
1101.01	WORK ZONE ADVANCED WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES - TYPE III
1150.01	FLAGGERS
1165.01	TRUCK MOUNTED ATTENUATOR
1180.01	SKINNY - DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS

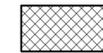
LEGEND

GENERAL

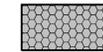
- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.
- ~~~~~ TEMP. SHORING (LOCATION PURPOSES ONLY)



WORK AREA



REMOVAL



TEMPORARY PAVEMENT



WEDGING AREA

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM SKINNY DRUM TUBULAR MARKER
- ~~~~~ TEMPORARY CRASH CUSHION
- FLASHING ARROW BOARD
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED ATTENUATOR (TMA)
- CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS
- EXISTING MARKING SYMBOLS

DRAINAGE

- PROPOSED PIPE CONSTRUCTION
- PREVIOUSLY CONSTRUCTED PIPE

TEMPORARY PAVEMENT MARKING SCHEDULE

PAINT SYMBOLS

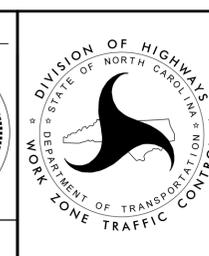
P1	WHITE SOLID EDGE LINE (4")
P2	WHITE SOLID LANE LINE (4")
P3	WHITE 10' SKIP (4")
P4	3' - 9' / WHITE MINI SKIP (4")
P13	YELLOW DOUBLE CENTER (4")
P41	WHITE DIAGONAL (8")
P42	YELLOW DIAGONAL (8")
P72	STRAIGHT ARROW
P70	LEFT TURN ARROW
P75	COMBO. LEFT/RIGHT TURN ARROW

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

APPROVED:

DATE: 12/23/2025

SEAL



**ROADWAY STANDARD
DRAWINGS & LEGEND**

GENERAL NOTES



STV Engineers, Inc.
2151 Hawkins St., Suite 1400
Charlotte, NC 28203
NC License Number F-0991

PROJ. REFERENCE NO.	SHEET NO.
50791	TMP-1B

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

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

TIME RESTRICTIONS

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

ROAD NAMES	DAY AND TIME RESTRICTIONS
BRIDGE ST./ OLD STATE HWY 87 (-L-)	MONDAY THRU FRIDAY
BOONE RD./OLD STATE HWY 770 (-Y-)	6:00 A.M TO 9:00 A.M.
WASHINGTON ST./OLD STATE HWY 87 (-Y-)	AND 4:00 P.M. TO 8:00 P.M.

HOLIDAYS & EVENTS

- FOR UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S DAY, BETWEEN THE HOURS OF 6:00 AM DECEMBER 31ST AND 9:00 AM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY, THEN UNTIL 9:00 AM THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 6:00 AM THURSDAY AND 9:00 AM MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY AND 9:00 AM TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 AM THE DAY BEFORE INDEPENDENCE DAY AND 7:00 PM THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY, THEN BETWEEN THE HOURS OF 6:00 AM THE THURSDAY BEFORE INDEPENDENCE DAY AND 7:00 PM THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY AND 9:00 AM TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 7:00 PM TUESDAY AND 9:00 AM MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 PM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 AM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS DAY.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 5 FT OF AN OPEN TRAVEL LANE ON AN UNDIVIDED FACILITY, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 10 FT OF AN OPEN TRAVEL LANE ON A DIVIDED FACILITY, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED, BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPEN TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

- DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 200 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS. PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.
- COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION. COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IT OPERATION.
- ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 350 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

- WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT FROM THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES), AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.
- PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES, DRUMS, PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

- INSTALL TEMPORARY PAVEMENT MARKINGS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
OLD STATE HWY 87 (-L-)	PAINT	NO
BRIDGE ST(-L-)	PAINT	NO
BOONE RD./OLD STATE HWY 770 (-Y-)	PAINT	NO
WASHINGTON ST./OLD STATE HWY 87 (-Y-)	PAINT	NO

- PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.

- TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

- REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKING AND MARKERS BY THE END OF EACH DAY'S OPERATION.

MISCELLANEOUS

- ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.
- CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRAIN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.).

LOCAL NOTES

- ROCKINGHAM COUNTY SCHOOLS TRANSPORTATION DIRECTOR (CRIS COX 336-634-3275 CCOX@ROCK.K12.NC.US) AND ROCKINGHAM COUNTY EMERGENCY SERVICES MUST BE NOTIFIED AT LEAST 30 DAYS PRIOR TO ROAD CLOSURE.
- COORDINATE WITH CITY OF EDEN BUSINESS DISTRICT REPRESENTATIVE KEN WHITE (KWHITE@EDENNC.US) PRIOR TO ANY SIDEWALK CONSTRUCTION IN FRONT OF BUSINESSES.

MANAGEMENT STRATEGIES

- FULL ROADWAY CLOSURES
- LANE SHIFTS OR CLOSURES
- ONE-LANE, TWO WAY OPERATION (FLAGGING)
- PEDESTRIAN ACCOMMODATIONS
- OFF-SITE DETOURS / USE OF ALTERNATIVE ROUTES
- TEMPORARY TRAFFIC SIGNALS
- DEDICATED (PAID) LAW ENFORCEMENT
- INTERMEDIATE CONTRACT TIMES / LIQUIDATED DAMAGES

<p>APPROVED: </p> <p>DATE: 12/23/2025</p> <p>SEAL</p>			<p>GENERAL NOTES & MANAGEMENT STRATEGIES</p>
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>			

PHASING

NOTE:

CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAYS FOR ALL PHASES WITHIN THE PROJECT LIMITS AND COORDINATE AS NECESSARY WITH PROPERTY OWNERS.

CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE ENGINEER. CONTRACTOR TO COORDINATE WITH CITY OF EDEN BUSINESS DISTRICT STAFF AND PROPERTY OWNERS PRIOR TO SIDEWALK CONSTRUCTION IN FRONT OF BUSINESSES.

PHASE I

STEP 1

- A) INSTALL WORK ZONE ADVANCE WARNING SIGNS ON ALL ROADWAYS WITHIN THE PROJECT LIMITS INCLUDING BRIDGE STREET, WASHINGTON STREET, BOONE ROAD, AND W. KINGS HIGHWAY IN ACCORDANCE WITH NCDOT RSD 1101.01, SHEET 3 OF 3.

STEP 2

- A) USING LAW ENFORCEMENT AS NEEDED PER NCDOT RSD 1101.02 SHEET 1 OF 19, INSTALL TEMPORARY PAVEMENT MARKINGS TO RECONFIGURE THE TURN LANES AND TEMPORARY SIGNALS (SEE SIGNAL PLANS) AT THE INTERSECTION OF -L- (BRIDGE ST) / -Y- (BOONE RD/WASHINGTON ST). USING NCDOT RSD 1101.03 SHEET 1 OF 9, INSTALL OFF-SITE DETOUR AND CLOSURE SIGNS AS SHOWN ON TMP-3 TO CLOSE -Y- BOONE RD TO THRU TRAFFIC. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.
- B) AWAY FROM TRAFFIC, CONSTRUCT THE FOLLOWING AS SHOWN ON TMP-4 AND TMP-5:
 -THE NORTHERN LEG OF THE ROUNDABOUT ALONG -Y- BOONE ST
 -ROADWAY IMPROVEMENTS (INCLUDING THE FINAL LAYER OF SURFACE COURSE), CONCRETE ISLANDS, PROPOSED DRAINAGE AND WET UTILITIES ALONG THE LEFT SIDE OF -L- (BRIDGE ST) FROM STA. 15+50 TO STA. 21+00.
- C) USING TEMPORARY LANE CLOSURES AND FLAGGERS AS NECESSARY TO MAINTAIN TRAFFIC PER NCDOT RSD 1101.02, SHEET 1 OF 19, PERFORM MILLING AND CONSTRUCT CONCRETE ISLAND, ALONG THE LEFT SIDE OF -L- (BRIDGE ST) STA. 21+00 TO 26+08. CONSTRUCT THE FOLLOWING AS SHOWN ON TMP-4 AND TMP-5: MILLING AND RESURFACING AND FINAL PAVEMENT MARKINGS AND SIGNS AS NECESSARY PER FINAL PLANS.

INTERMEDIATE CONTRACT TIME: COMPLETE THE WORK REQUIRED TO COMPLETE PHASE I STEP 2 IN 90 CONSECUTIVE CALENDAR DAYS.

ICT

PHASE II

STEP 1

- A) USING LAW ENFORCEMENT AS NEEDED PER NCDOT RSD 1101.02 SHEET 1 OF 19 PERFORM THE FOLLOWING:
 -INSTALL CMS AND DRUMS AT THE INTERSECTION OF -Y- (WASHINGTON ST) / MONROE ST THEN PLACE SIGNAL 07-0089 IN FLASH MODE TO CLOSE WASHINGTON ST BETWEEN MONROE ST AND BRIDGE ST.
 -INSTALL OFF-SITE DETOUR AND CLOSURE SIGNS AS SHOWN ON TMP-6 TO CLOSE -L-BRIDGE ST/ W. KINGS HWY AND -Y- BOONE RD/ WASHINGTON ST TO THRU TRAFFIC, MAINTAIN NORTHBOUND BOONE ST FOR LOCAL TRAFFIC. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.
- B) AWAY FROM TRAFFIC, CONSTRUCT THE REMAINING LEGS OF THE ROUNDABOUT INCLUDING THE CONCRETE ISLANDS, PROPOSED DRAINAGE IMPROVEMENTS AND WET UTILITIES ALONG -L- (BRIDGE ST) STA. 13+50 TO -L- STA. 19+08 AND -Y- (WASHINGTON ST) STA. 17+08 TO -Y- STA. 20+31 INCLUDING THE FINAL LAYER OF SURFACE COURSE AS SHOWN ON TMP-7. MAINTAIN SIDEWALK ACCESS AS SHOWN FOR PEDESTRIANS.
- C) USING RSD 1101.02 SHEET 1 AND 18 OF 19 AS REQUIRED, PERFORM WEDGING AND MILL AND OVERLAY ON -L- (BRIDGE ST) STA. 19+08 TO STA. 23+00 INCLUDING THE FINAL LAYER OF SURFACE COURSE AS SHOWN ON TMP-7.
- D) PLACE FINAL PAVEMENT MARKINGS ACCORDING TO THE FINAL PAVEMENT MARKING PLANS FOR -L-BRIDGE ST/ W. KINGS HWY AND -Y- BOONE RD/ WASHINGTON ST.

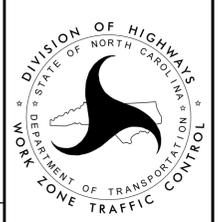
STEP 2

- A) INSTALL PED DETOURS BY PLACING PED CHANNELIZATION BARRIER AND TEMPORARY CURB RAMPS AS SHOWN ON TMP-8. CONSTRUCT REMAINING SIDEWALKS AND DRIVEWAYS ALONG -L- (BRIDGE ST) AND -Y- (WASHINGTON ST). UPON COMPLETION REMOVE DETOUR AND OPEN SIDEWALKS.
- B) USE ALTERNATING LANE CLOSURES, FLAGGERS, AND LAW ENFORCEMENT PER NCDOT RSD 1101.02 SHEET 1 OF 19 AS REQUIRED TO CONSTRUCT THE STAMPED CROSSWALKS AT THE ADJACENT -Y- INTERSECTIONS (WASHINGTON ST / MONROE ST, WASHINGTON ST / HENRY STREET, WASHINGTON ST / PATRICK ST). REFER TO THE FINAL PAVEMENT MARKING PLANS FOR ALL LOCATIONS OF STAMPED CROSSWALKS.
- C) USING RSD 1101.02 SHEET 1 OF 19 AS REQUIRED, RETURN SIGNAL 07-0089 AT THE INTERSECTION OF -Y- (WASHINGTON ST) / MONROE ST TO NORMAL OPERATIONS. REMOVE ALL TRAFFIC CONTROL SIGNS AND DEVICES AND OPEN ALL ROADS TO THE FINAL TRAFFIC PATTERN.

INTERMEDIATE CONTRACT TIME: COMPLETE THE WORK REQUIRED TO COMPLETE PHASE II STEP 1 AND STEP 2 IN 120 CONSECUTIVE CALENDAR DAYS.

ICT

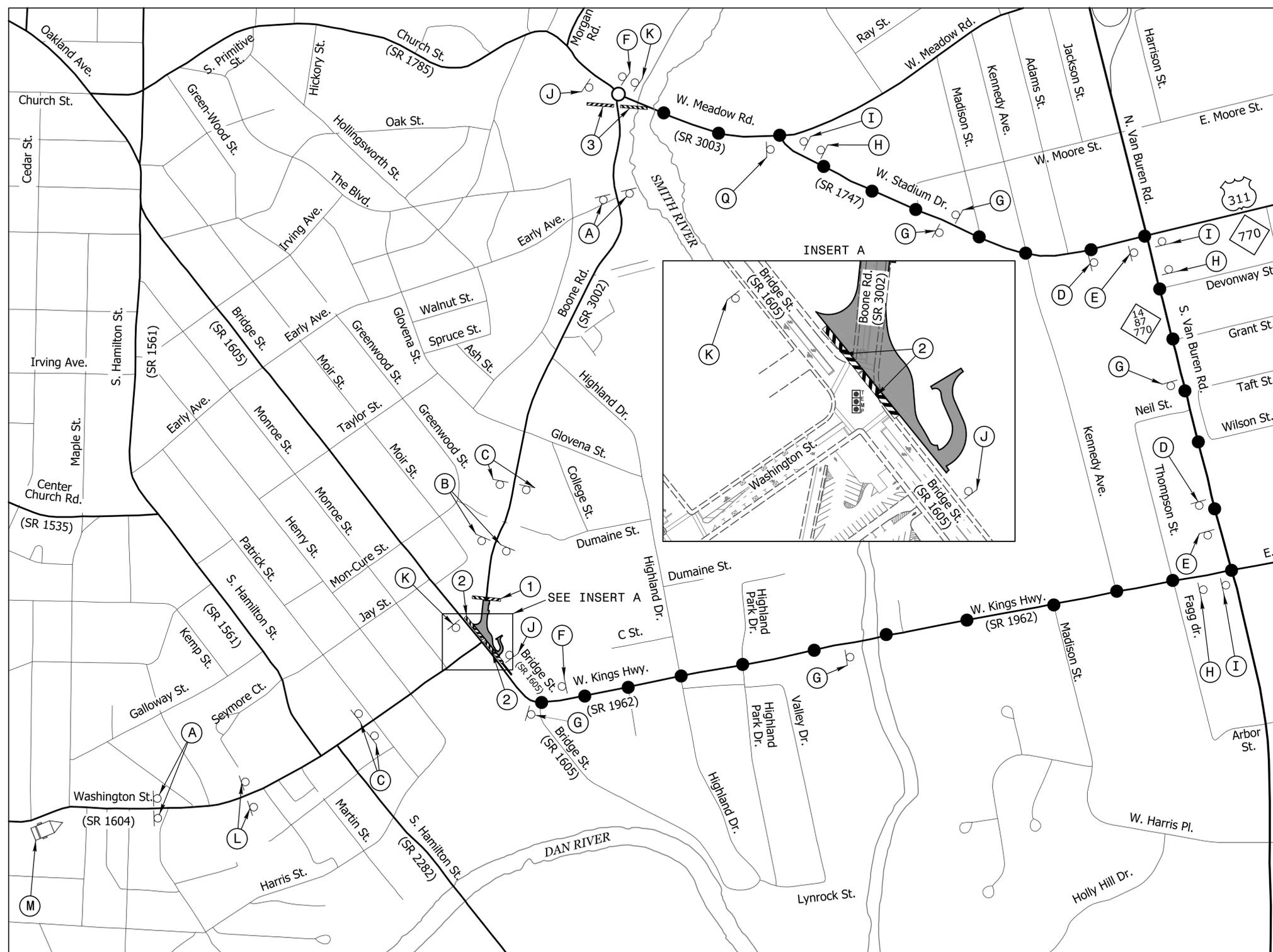
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 murphyWD

APPROVED:  DATE: 12/23/2025 <div style="text-align: center;">  SEAL </div>		<h2 style="margin: 0;">TEMPORARY TRAFFIC CONTROL PHASING</h2>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

OFF-SITE DETOUR SIGNING AND ROAD CLOSURE SIGNING

STV STV Engineers, Inc.
2151 Hawkins St., Suite 1400
Charlotte, NC 28203
NC License Number F-0991

PROJ. REFERENCE NO.	SHEET NO.
50791	TMP-3



(A)	(B)	(C)

(D)	(E)	(F)

(G)	(H)	(I)

(J)	(K)	(L)

<p>MESSAGE PRIOR TO CLOSURE:</p> <table border="1"> <tr> <th>MESSAGE NO. 1</th> <th>MESSAGE NO. 2</th> </tr> <tr> <td>BOONE RD WILL BE CLOSED</td> <td>STARTING (DAY) (TIME)</td> </tr> </table> <p>CHANGEABLE MESSAGE SIGN</p>	MESSAGE NO. 1	MESSAGE NO. 2	BOONE RD WILL BE CLOSED	STARTING (DAY) (TIME)	<p>MESSAGE DURING CLOSURE:</p> <table border="1"> <tr> <th>MESSAGE NO. 1</th> <th>MESSAGE NO. 2</th> </tr> <tr> <td>BOONE RD CLOSED 1 MILE</td> <td>FOLLOW POSTED DETOUR</td> </tr> </table> <p>CHANGEABLE MESSAGE SIGN</p>	MESSAGE NO. 1	MESSAGE NO. 2	BOONE RD CLOSED 1 MILE	FOLLOW POSTED DETOUR
MESSAGE NO. 1	MESSAGE NO. 2								
BOONE RD WILL BE CLOSED	STARTING (DAY) (TIME)								
MESSAGE NO. 1	MESSAGE NO. 2								
BOONE RD CLOSED 1 MILE	FOLLOW POSTED DETOUR								

NOTE: SEE ROADWAY STD. DWG. 1101.03, SHT 1 AND 2 OF 9 FOR ADVANCE WARNING AND BARRICADE PLACEMENT



R11-2 48" x 30"

TYPE III BARRICADE(S)

(1)

R11-2 48" x 30"

TYPE III BARRICADE(S)

(2)

R11-3 60" x 30"

TYPE III BARRICADE

(3)

BRIDGE ST

(Q)

ROADWAY DETOUR

APPROVED: [Signature]

DATE: 12/23/2025

SEAL

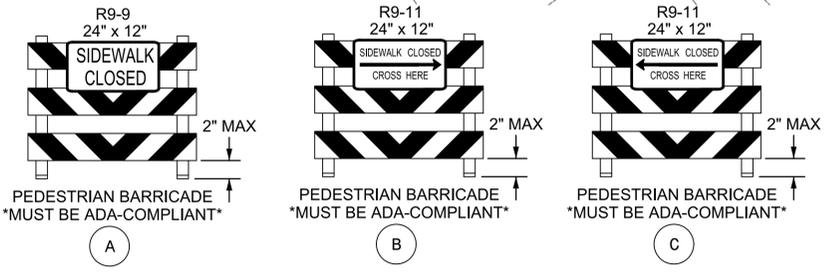
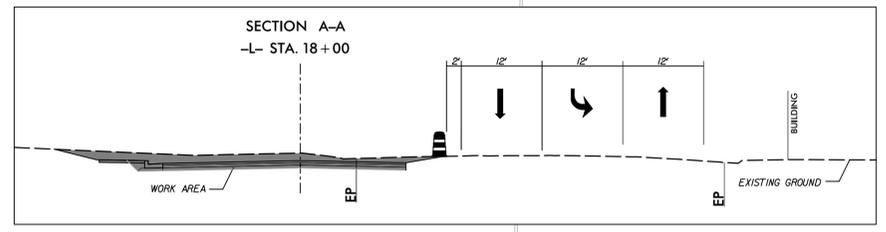
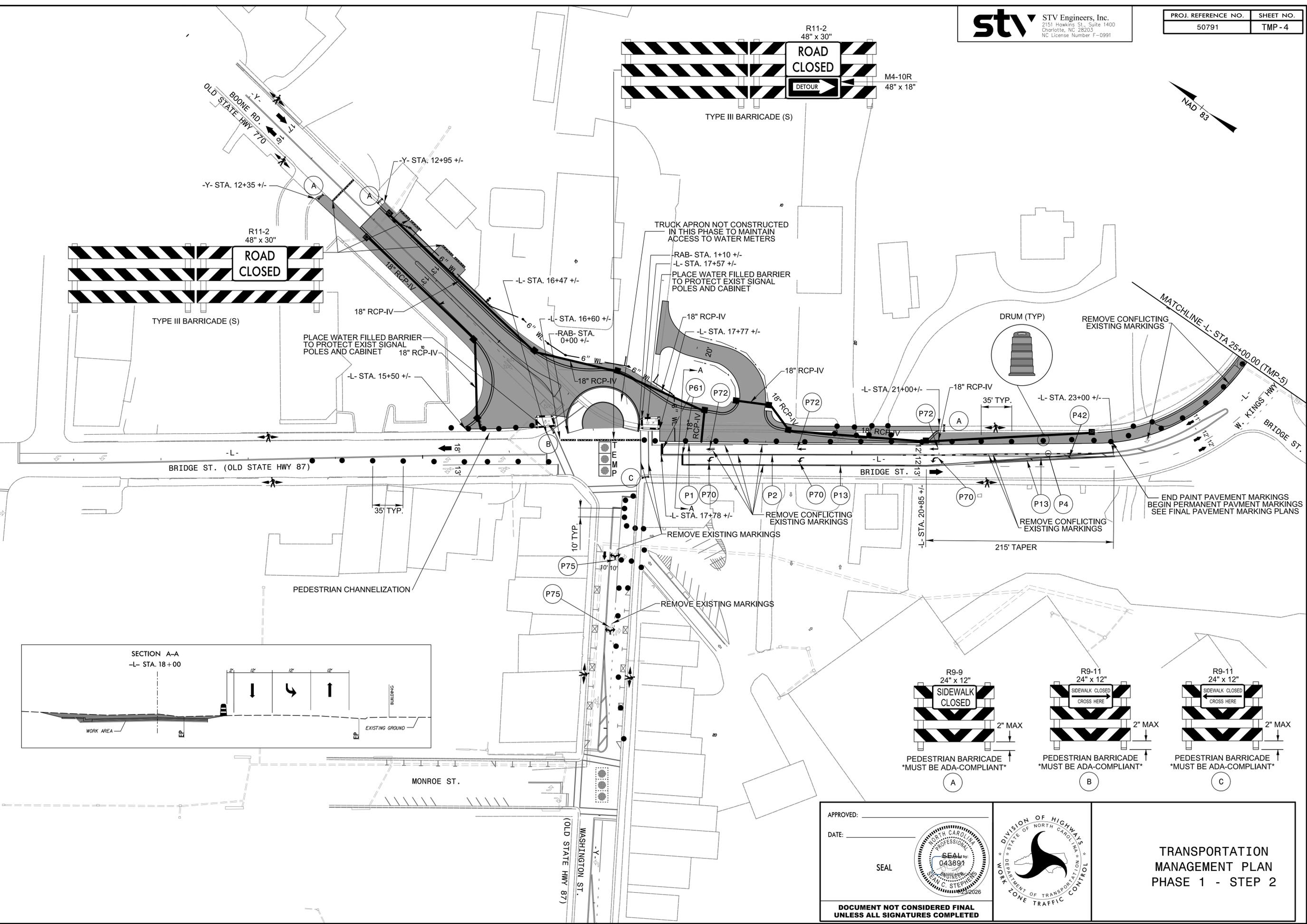
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

TRANSPORTATION MANAGEMENT PLAN
DETOUR ROUTE

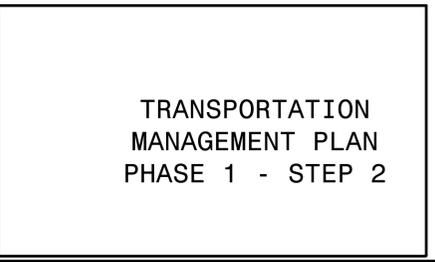
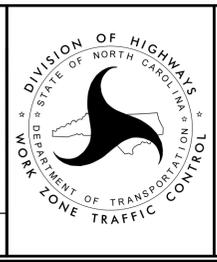
PHASE I

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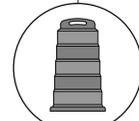
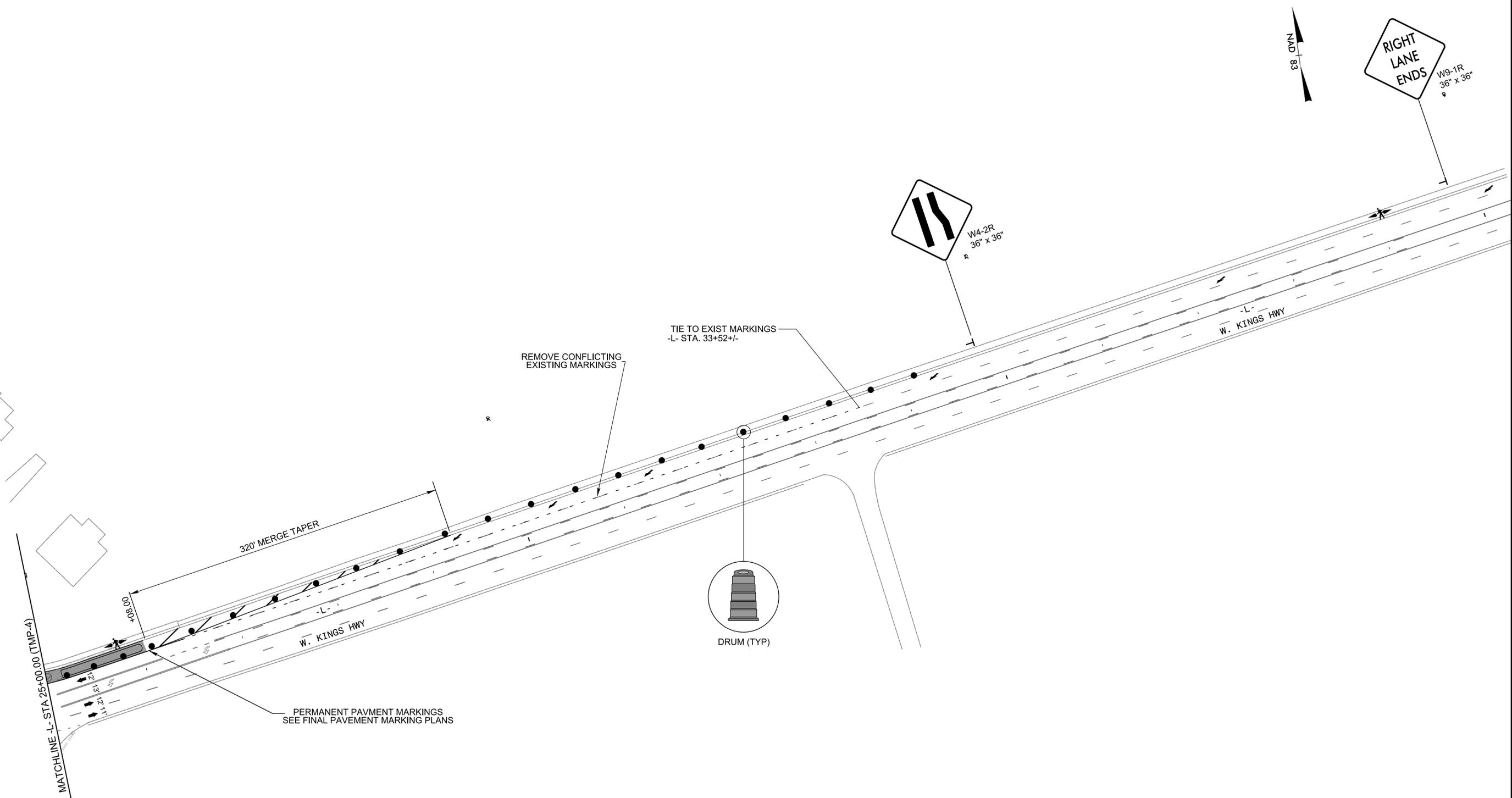
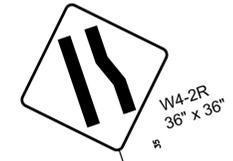
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DATE: _____
SEAL

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



**TRANSPORTATION
MANAGEMENT PLAN
PHASE 1 - STEP 2**

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DRUM (TYP)

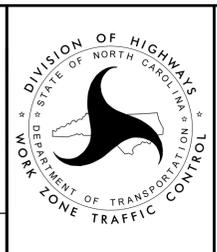
NOTE : PLACE ALL PROPOSED SIGNS ACCORDING TO THE FINAL SIGNING PLANS

APPROVED: _____

DATE: _____

SEAL

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



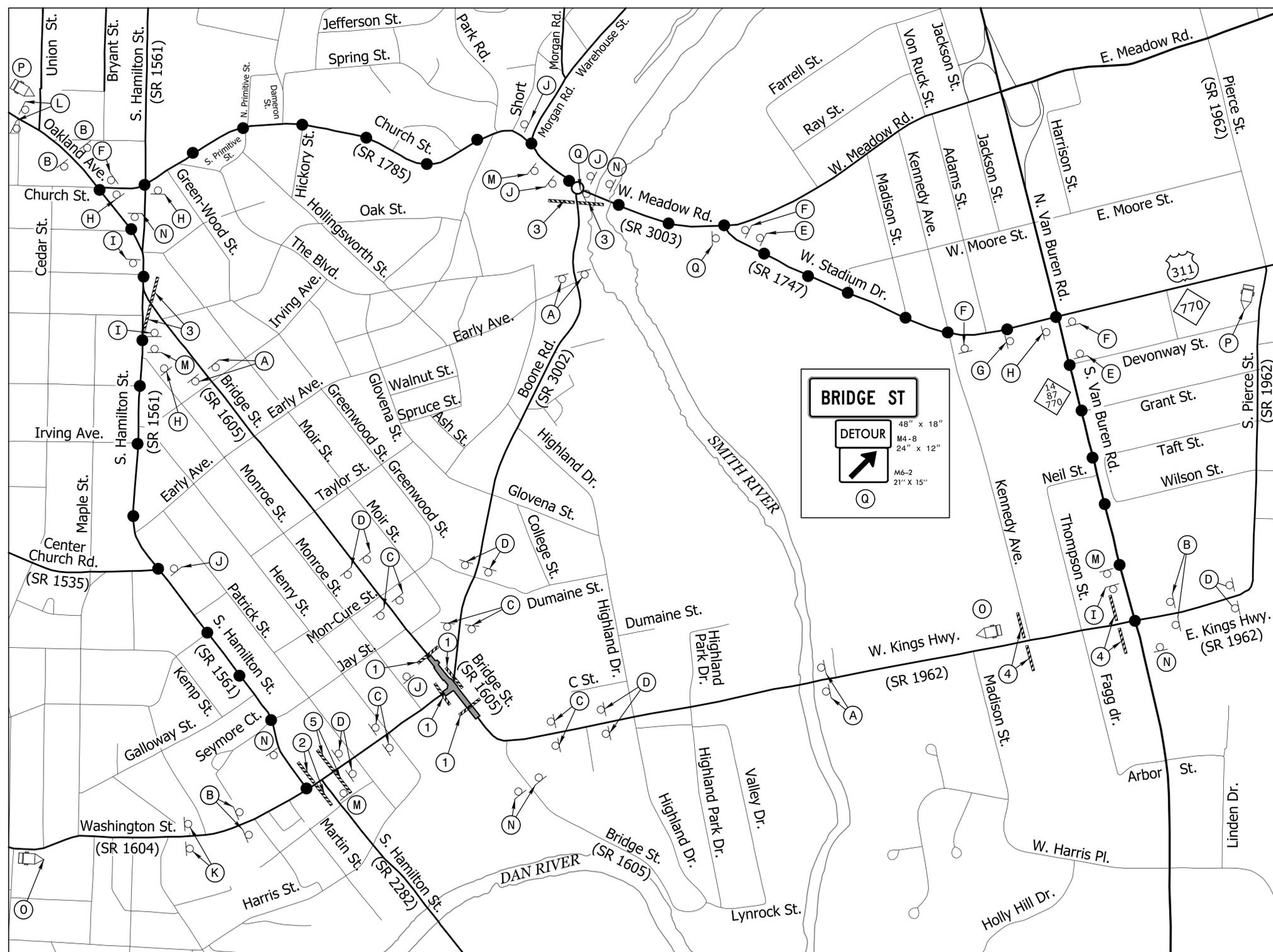
**TRANSPORTATION
MANAGEMENT PLAN
PHASE 1 - STEP 2**

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1/23/2026
stc

OFF-SITE DETOUR SIGNING AND ROAD CLOSURE SIGNING

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

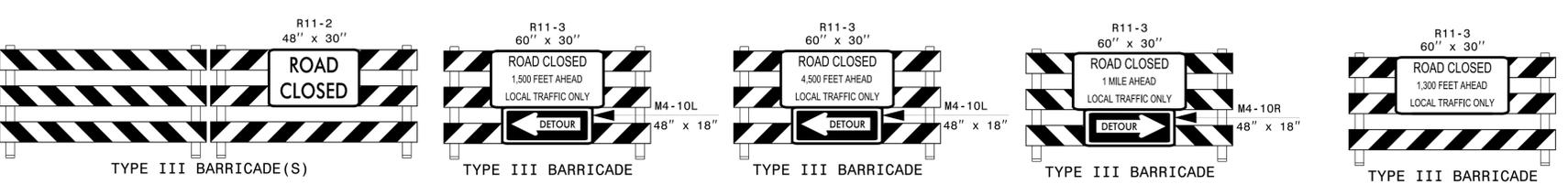
PROJ. REFERENCE NO.	SHEET NO.
50791	TMP-6



MESSAGE PRIOR TO CLOSURE:		MESSAGE DURING CLOSURE:	
MESSAGE NO. 1	MESSAGE NO. 2	MESSAGE NO. 1	MESSAGE NO. 2
BRIDGE ST WILL BE CLOSED	STARTING (DAY) (TIME)	BRIDGE ST CLOSED 1 MILE	FOLLOW POSTED DETOUR
CHANGEABLE MESSAGE SIGN		CHANGEABLE MESSAGE SIGN	

MESSAGE PRIOR TO CLOSURE:		MESSAGE DURING CLOSURE:	
MESSAGE NO. 1	MESSAGE NO. 2	MESSAGE NO. 1	MESSAGE NO. 2
BRIDGE ST WILL BE CLOSED	STARTING (DAY) (TIME)	BRIDGE ST CLOSED 2 MILES	FOLLOW POSTED DETOUR
CHANGEABLE MESSAGE SIGN		CHANGEABLE MESSAGE SIGN	

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NOTE: SEE ROADWAY STD. DWG. 1101.03, SHT 1 AND 2 OF 9 FOR ADVANCE WARNING AND BARRICADE PLACEMENT

ROADWAY DETOUR

APPROVED: [Signature]

DATE: 12/23/2025

SEAL

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

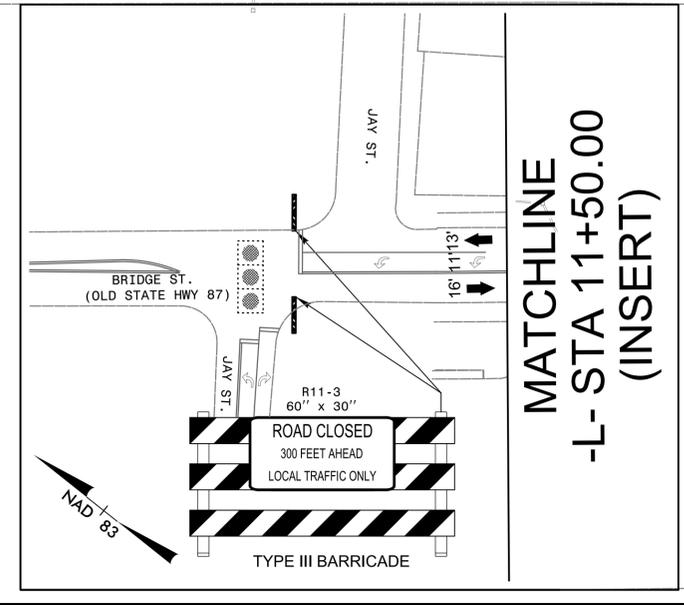
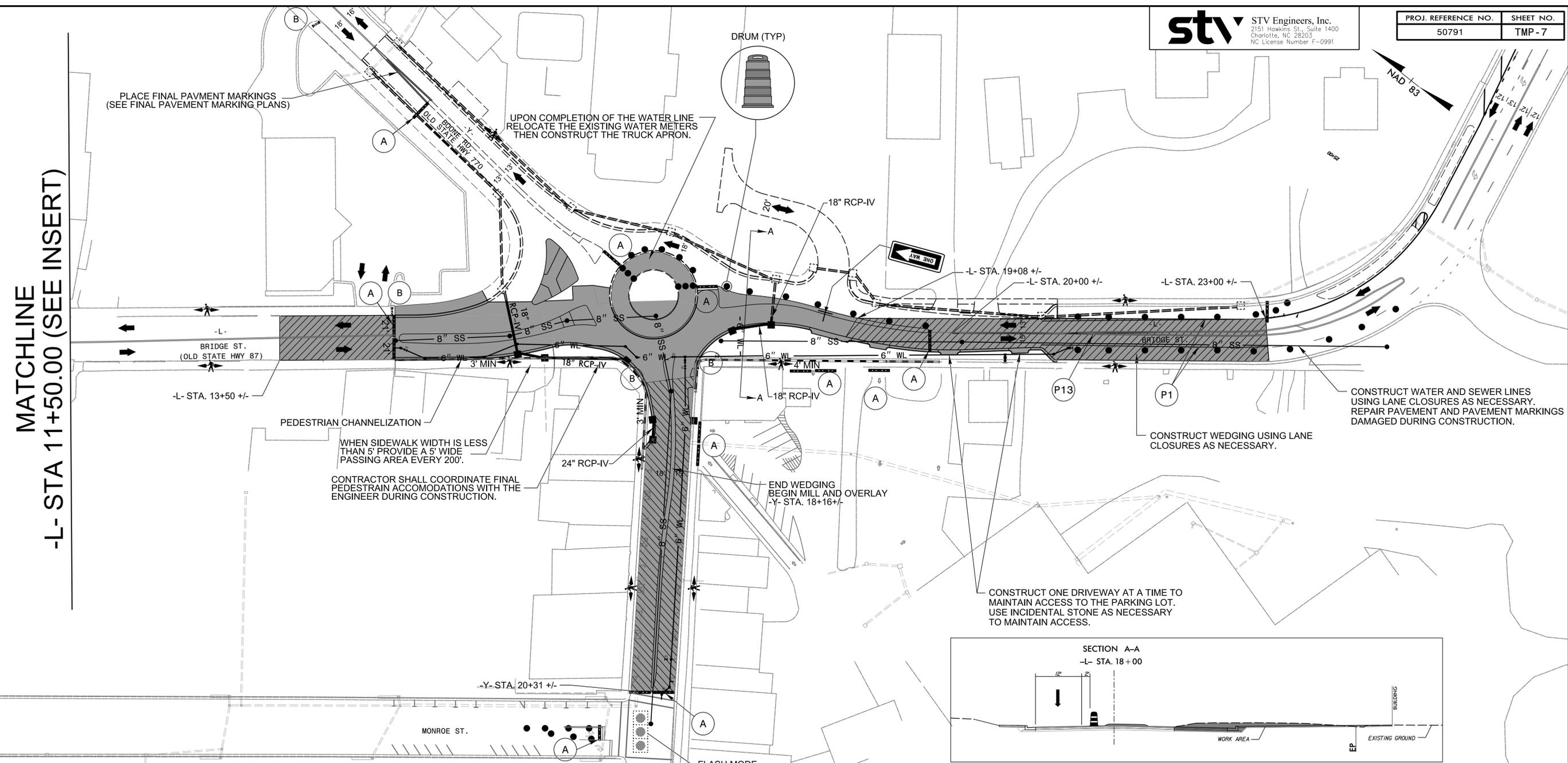
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TRANSPORTATION MANAGEMENT PLAN
DETOUR ROUTE
PHASE II

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

MATCHLINE
-L- STA 11+50.00 (SEE INSERT)

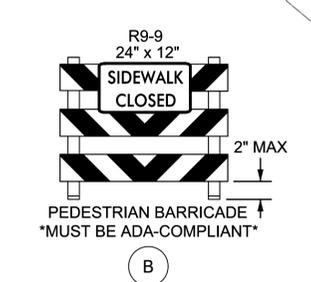
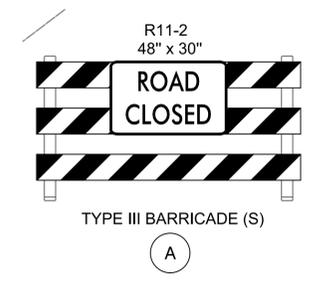
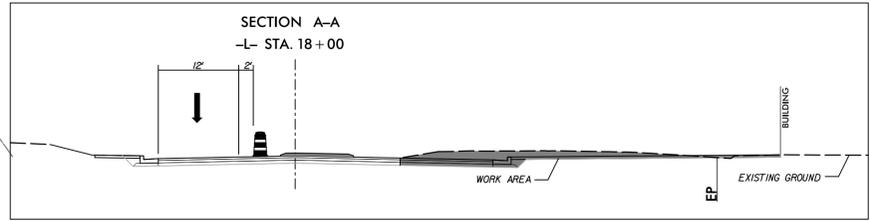
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PEDESTRIAN CHANNELIZATION
WHEN SIDEWALK WIDTH IS LESS THAN 5' PROVIDE A 5' WIDE PASSING AREA EVERY 200'.
CONTRACTOR SHALL COORDINATE FINAL PEDESTRIAN ACCOMODATIONS WITH THE ENGINEER DURING CONSTRUCTION.

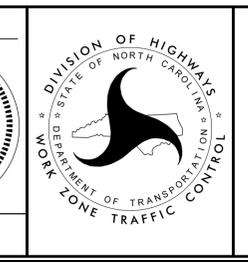
CONSTRUCT WATER AND SEWER LINES USING LANE CLOSURES AS NECESSARY. REPAIR PAVEMENT AND PAVEMENT MARKINGS DAMAGED DURING CONSTRUCTION.
CONSTRUCT WEDGING USING LANE CLOSURES AS NECESSARY.

CONSTRUCT ONE DRIVEWAY AT A TIME TO MAINTAIN ACCESS TO THE PARKING LOT. USE INCIDENTAL STONE AS NECESSARY TO MAINTAIN ACCESS.



MESSAGE NO. 1	MESSAGE NO. 2
THRU TRAF TAKE LEFT MONROE ST	NO THRU TRAFFIC AHEAD
CHANGEABLE MESSAGE SIGN	

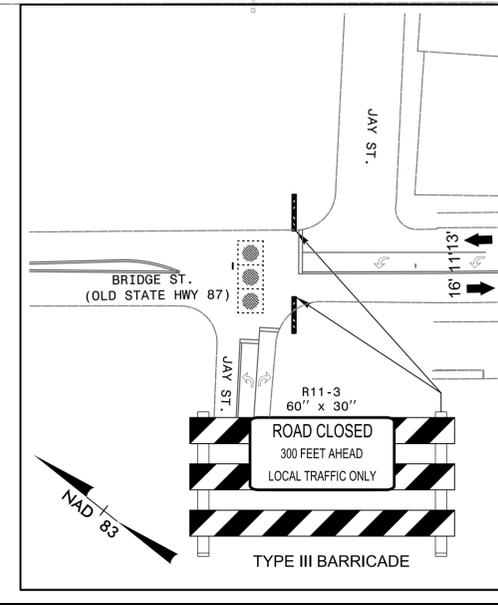
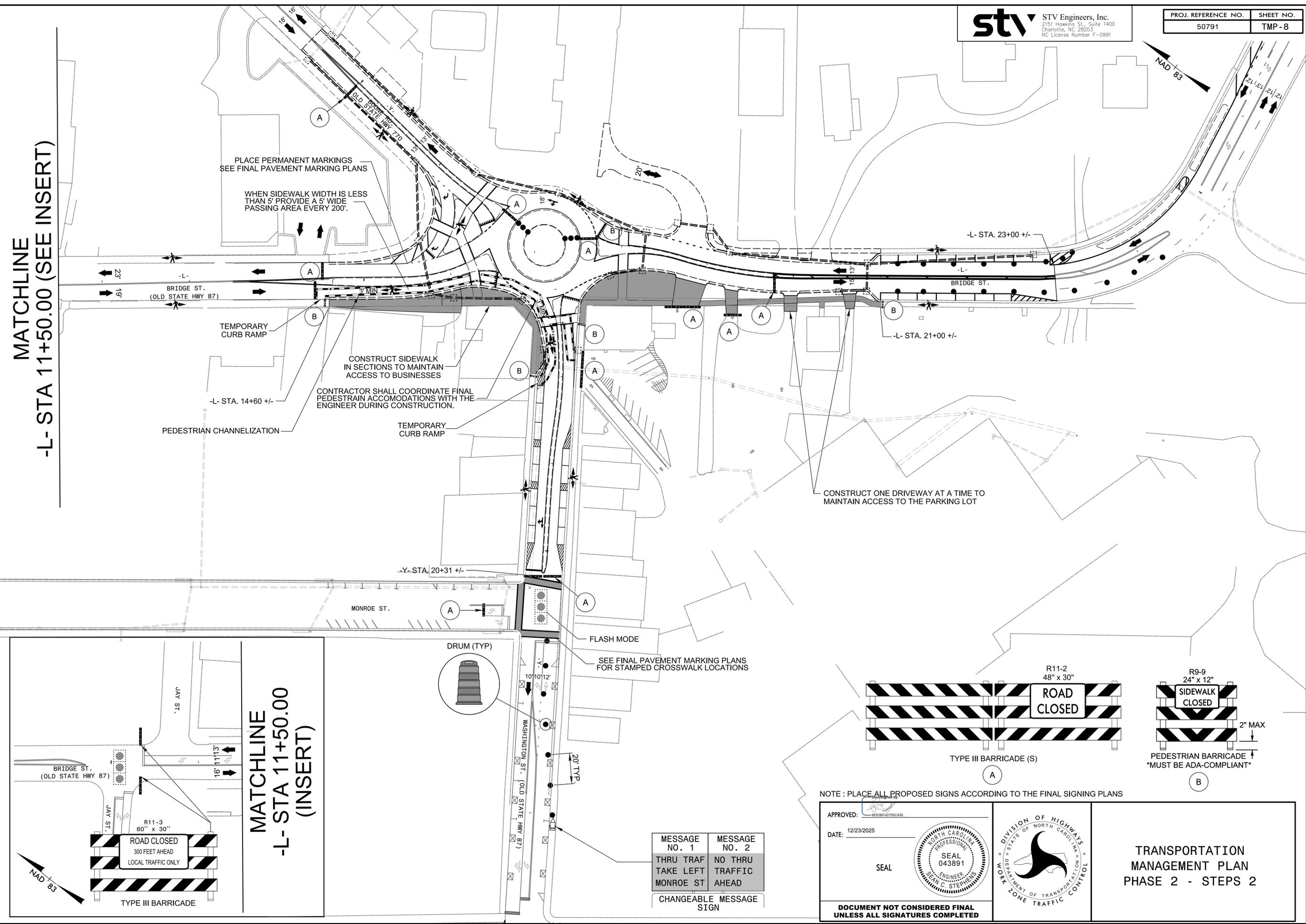
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DATE: 12/23/2025
SEAL [Professional Engineer Seal]
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



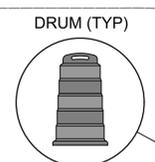
TRANSPORTATION MANAGEMENT PLAN
PHASE 2 - STEPS 1

MATCHLINE
-L- STA 11+50.00 (SEE INSERT)

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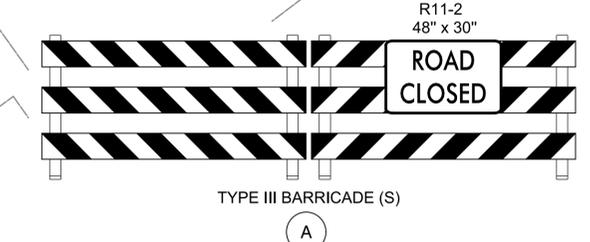


MATCHLINE
-L- STA 11+50.00
(INSERT)



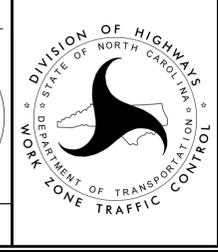
FLASH MODE
SEE FINAL PAVEMENT MARKING PLANS FOR STAMPED CROSSWALK LOCATIONS

MESSAGE NO. 1	MESSAGE NO. 2
THRU TRAF TAKE LEFT MONROE ST	NO THRU TRAFFIC AHEAD
CHANGEABLE MESSAGE SIGN	



NOTE: PLACE ALL PROPOSED SIGNS ACCORDING TO THE FINAL SIGNING PLANS

APPROVED: [Signature]
DATE: 12/23/2025
SEAL
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



TRANSPORTATION MANAGEMENT PLAN
PHASE 2 - STEPS 2

