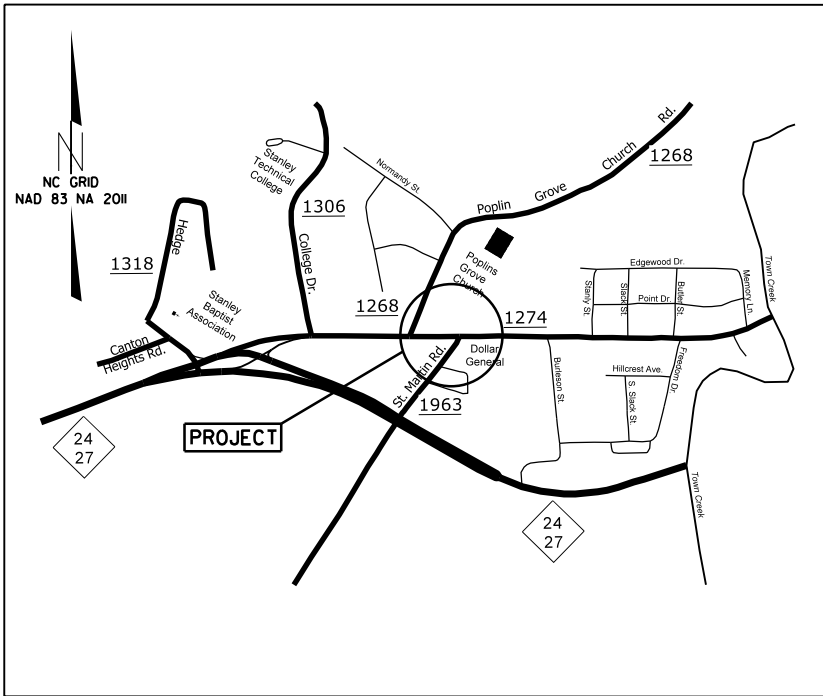


PROJECT: 50391



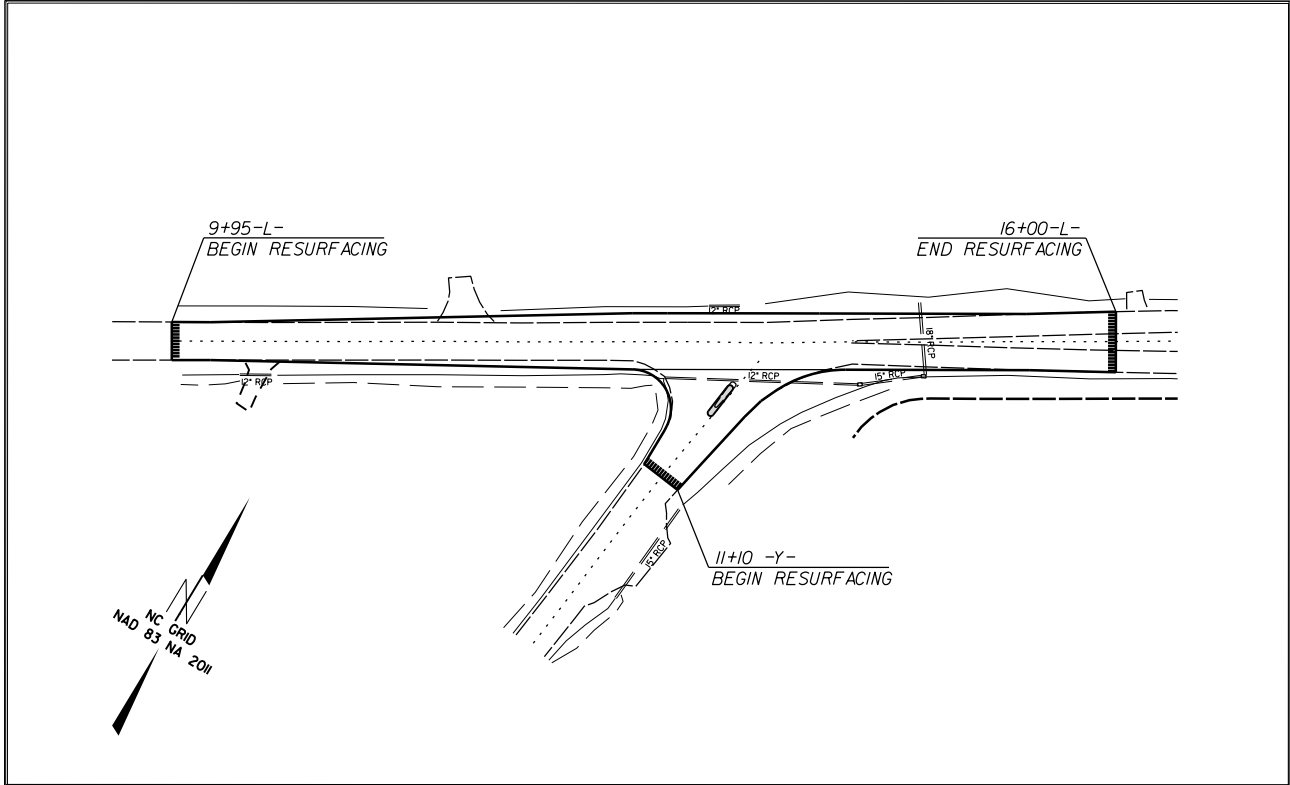
VICINITY MAP NOT TO SCALE

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS  
**STANLY COUNTY**

**LOCATION:** INTERSECTION OF W. MAIN ST. (SR-1274)  
AND ST. MARTIN RD. (SR-1963)

**TYPE OF WORK:** GRADING, DRAINAGE, MILLING, PAVING,  
THERMOPLASTIC PAVEMENT MARKINGS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	50391	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50391		P.E.	
50391		RW	
50391		CONST.	



GRAPHIC SCALES



DESIGN DATA

ADT =  
ADT =  
DHV = %  
D = %  
T = %  
V = MPH

PROJECT LENGTH

LENGTH OF ROADWAY PROJECT 50391 = 0.14 MILES  
TOTAL LENGTH OF STATE PROJECT 50391 = 0.14 MILES

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
DIVISION TEN  
DIVISION DESIGN / CONSTRUCT UNIT

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:  
JUNE 21, 2024

LETTING DATE:  
MARCH 5, 2025

DONALD HARWARD  
PROJECT ENGINEER

TRAVIS LOWDER  
PROJECT DESIGN ENGINEER



DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

01/28/2025



APPROVED BY  
DIVISION PROJECT TEAM LEAD  
DATE

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	
Existing Fence Line	
Proposed Woven Wire Fence	
Proposed Chain Link Fence	
Proposed Barbed Wire Fence	
Existing Wetland Boundary	
Proposed Wetland Boundary	
Existing Endangered Animal Boundary	
Existing Endangered Plant Boundary	
Existing Historic Property Boundary	
Known Contamination Area: Soil	
Potential Contamination Area: Soil	
Known Contamination Area: Water	
Potential Contamination Area: Water	
Contaminated Site: Known or Potential	

BUILDINGS AND OTHER CULTURE:

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

HYDROLOGY:

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

RAILROADS:

Standard Gauge	
RR Signal Milepost	
Switch	
RR Abandoned	
RR Dismantled	

RIGHT OF WAY & PROJECT CONTROL:

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

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	
Existing Curb	
Proposed Slope Stakes Cut	
Proposed Slope Stakes Fill	
Proposed Curb Ramp	
Existing Metal Guardrail	
Proposed Guardrail	
Existing Cable Guiderail	
Proposed Cable Guiderail	
Equality Symbol	
Pavement Removal	
VEGETATION:	
Single Tree	
Single Shrub	
Hedge	

Woods Line	
Orchard	
Vineyard	

EXISTING STRUCTURES:

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

UTILITIES:

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

POWER:	
Existing Power Pole	
Proposed Power Pole	
Existing Joint Use Pole	
Proposed Joint Use Pole	
Power Manhole	
Power Line Tower	
Power Transformer	
U/G Power Cable Hand Hole	
H-Frame Pole	
U/G Power Line Test Hole (SUE - LOS A)*	
U/G Power Line (SUE - LOS B)*	
U/G Power Line (SUE - LOS C)*	
U/G Power Line (SUE - LOS D)*	

TELEPHONE:

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

WATER:

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

TV:

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

GAS:

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

SANITARY SEWER:

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

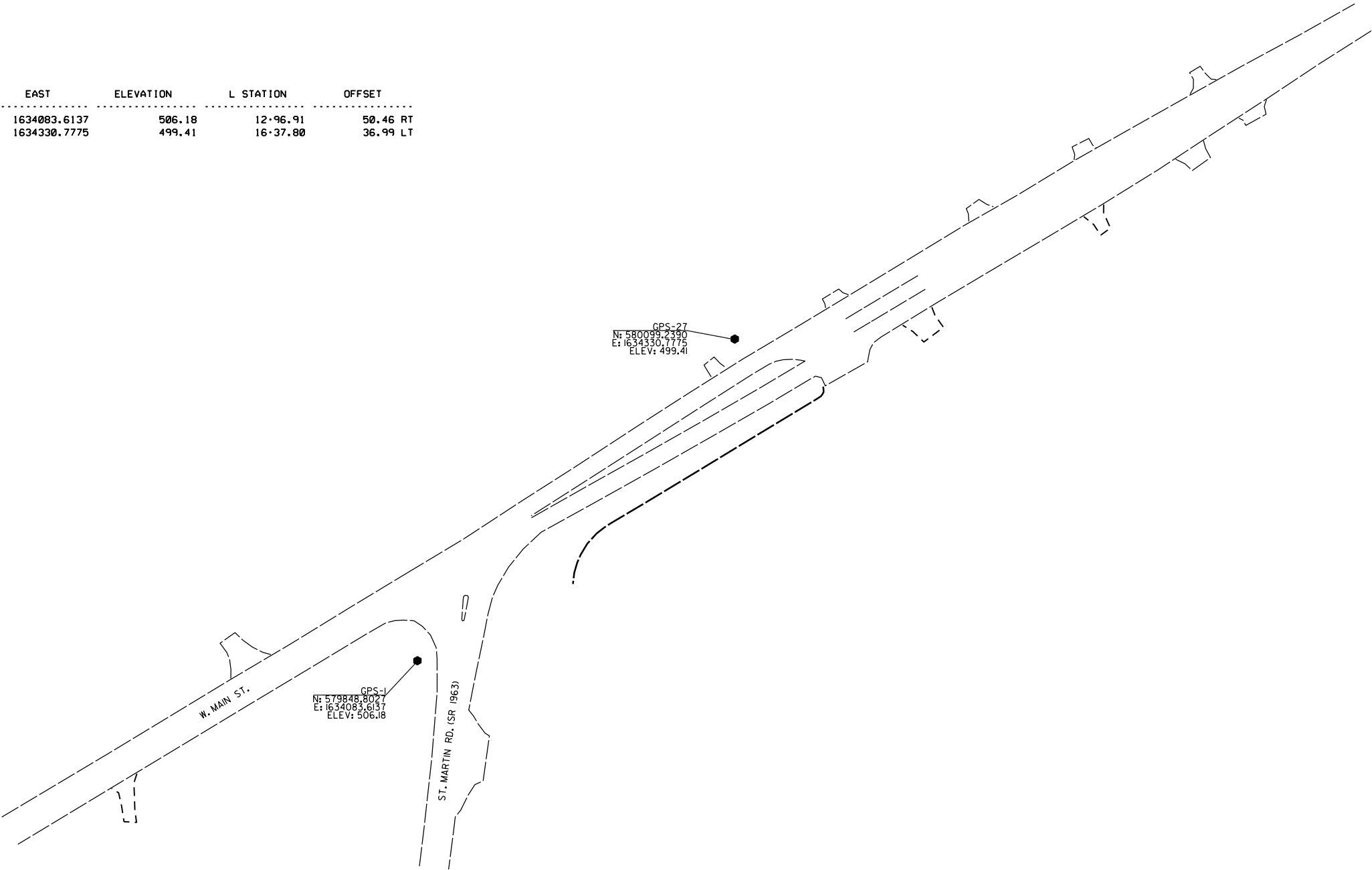
MISCELLANEOUS:

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

SURVEY CONTROL SHEET

PROJECT NO.	SHEET NO.
5039I	1B
F.A. PROJECT NO.	

BL	POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
1			579848.8027	1634083.6137	506.18	12+96.91	50.46 RT
27			580099.2390	1634330.7775	499.41	16+37.80	36.99 LT



NOTES :

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED BY THE DIVISION IO DDC UNIT. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE DIVISION IO DDC UNIT.

LEFT TURN LANE ON WEST MAIN ST.  
AT ST MARTIN RD.

SCALE	1"=50'		REVISIONS	
DATE	6-2023			
DWG. BY	VSC			
DESIGN BY	TBL			
APPROVED	JDH			

RIGHT OF WAY, EASEMENT AND  
PROPOSED ALIGNMENT SHEET

PROJECT NO.	SHEET NO.
5039I	IC
F.A. PROJECT NO.	

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
L	12+82.00	30.00	579858.6254	1634060.2812

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y	10+92.00	30.00	579844.8999	1634084.7738

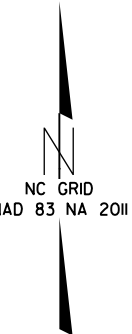
ROW MARKER PERMANENT EASEMENT				
ALIGN	STATION	OFFSET	NORTH	EAST
L	14+65.00	-45.00	580017.1970	1634178.4795
L	14+65.00	-30.00	580004.3349	1634186.1975
L	14+85.00	-45.00	580027.4875	1634195.6290
L	14+85.00	-30.00	580014.6254	1634203.3469

L			
TYPE	STATION	NORTH	EAST
POT	9+00.00	579687.1330	1633717.6234
PC	13+12.80	579900.2183	1634071.1746
PT	14+10.01	579950.3142	1634154.4768
POT	21+86.26	580349.7195	1634820.0935

Y			
TYPE	STATION	NORTH	EAST
POT	10+00.00	579932.7816	1634125.2808
POT	12+46.84	579687.6175	1634096.5425

PI Sta 13+61.40-L-  
 $\Delta = 0^{\circ} 06' 41.0" (RT)$   
 $D = 0^{\circ} 06' 52.5"$   
 $L = 97.21'$   
 $T = 48.60'$   
 $R = 50,000.00'$

**DATUM DESCRIPTION**  
THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "BL-1" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 579848.803(fft) EASTING: 1634083.614(fft) ELEVATION: 506.183(fft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99987639 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BL-1" TO -L- STATION 10+00 IS S 66 10' 03" W 400.11' ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88



I, Barry D. Davis, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item, R/W and Easement Staking, was performed under my responsible charge meeting NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures as of 2017. Those standards can be found at <https://connect.ncdot.gov/resources/Location/Pages/>.

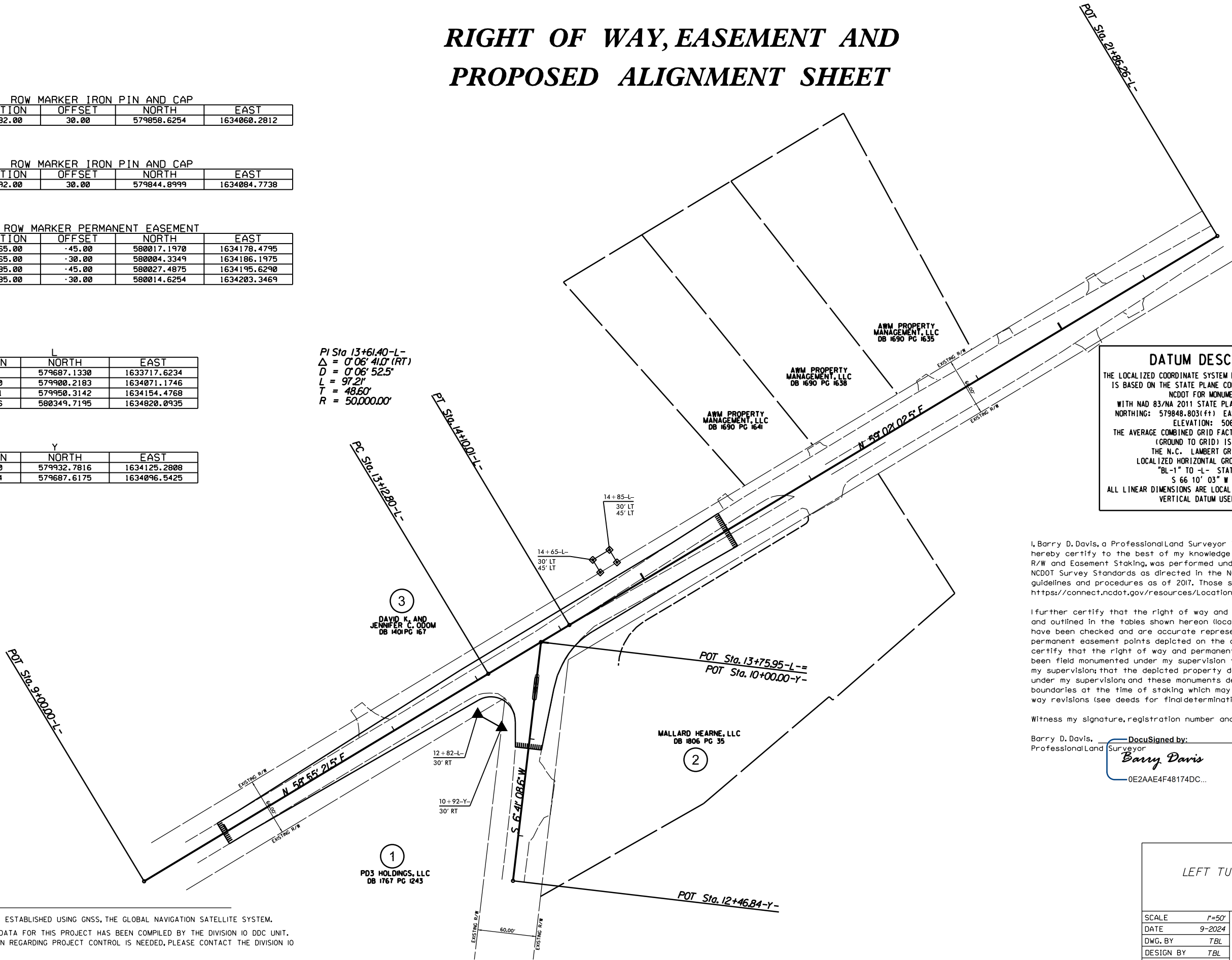
I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from survey control established under my supervision; that the depicted property data shown herein were surveyed under my supervision; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (see deeds for final determination).

Witness my signature, registration number and seal this 18th day of DEC 2024

Barry D. Davis, Professional Land Surveyor  
DocuSigned by: Barry Davis  
PLS# L-4384  
0E2AAE4F48174DC...

NOTES:

- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED BY THE DIVISION 10 DDC UNIT. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE DIVISION 10 DDC UNIT.



LEFT TURN LANE ON WEST MAIN ST.  
AT ST MARTIN RD.

SCALE	1"=50'		REVISIONS	
DATE	9-2024			
DWG. BY	TBL			
DESIGN BY	TBL			
APPROVED	JDH			

PROJECT NO.  
5039I

SHEET NO.  
2

F.A. PROJECT NO.

ROADWAY DESIGN  
ENGINEER

01/28/2025

SEAL  
042673

THOMAS J. PRESLEY

ASSOCIATE

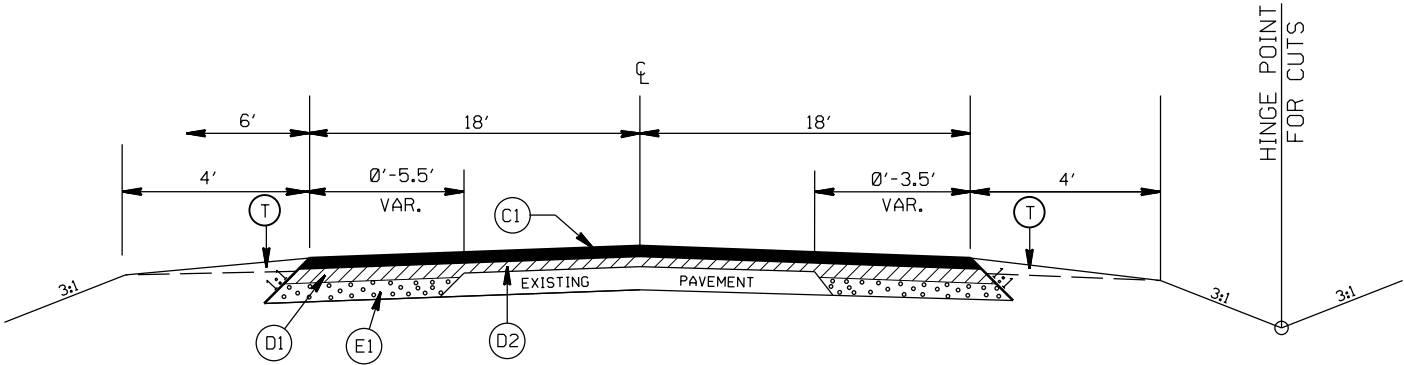
LEFT TURN LANE ON WEST MAIN ST.  
AT ST MARTIN RD.

SCALE	1"=50'
DATE	1-2024
DWG. BY	VSC
DESIGN BY	TBL
APPROVED	JDH

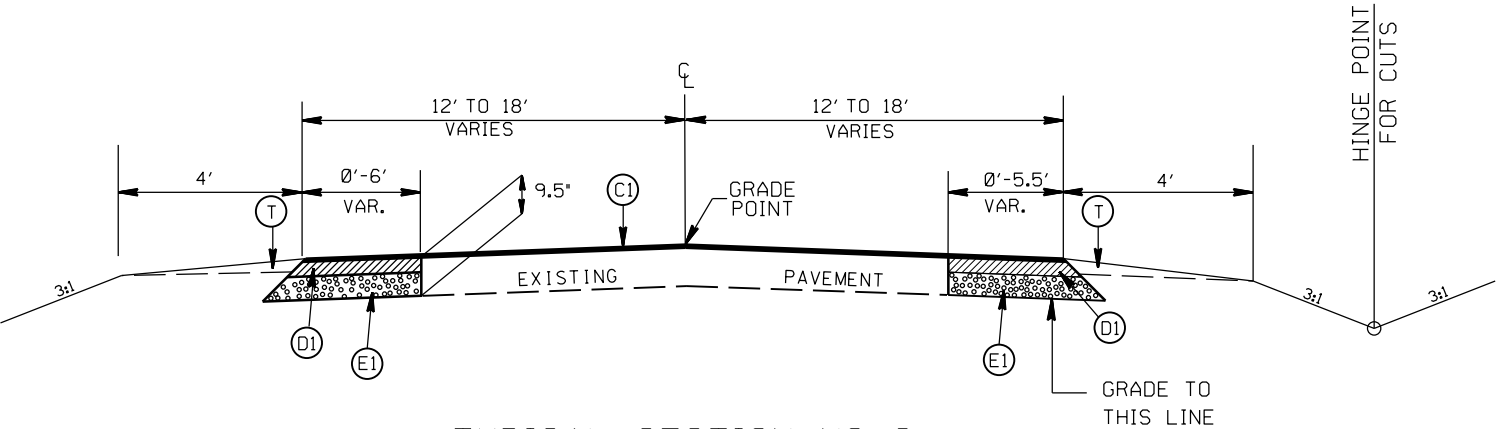
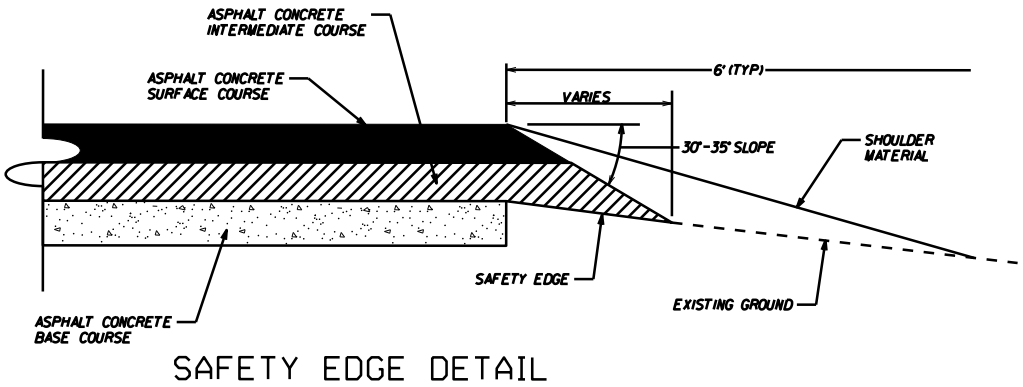
DIVISION OF HIGHWAYS

STATE OF TEXAS

REVISIONS	



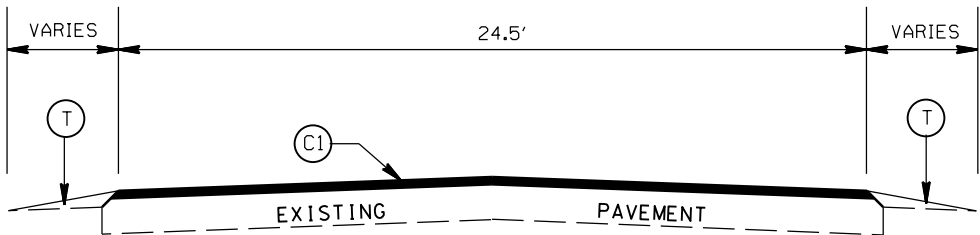
TYPICAL SECTION NO. 3  
STA. 13+85.00 TO 15+43.66 -L-



TYPICAL SECTION NO. 2  
STA. 10+20.00 TO 13+85.00 -L-

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1½" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(D1)	PROP. APPROX. 4" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
(D2)	PROP. VARIABLE DEPTH ASPHALT CONC. INTERMEDIATE COURSE.
(E1)	PROP. APPROX. 4" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
(R4)	PROP. 5" MONOLITHIC CONC. ISLAND (SURFACE MOUNTED)
(T)	EARTH MATERIAL



TYPICAL SECTION NO. 1  
STA. 9+95.00 TO 10+20.00 -L-  
STA. 15+43.66 TO 16+00.00 -L-

PROJECT NO.  
5039I

SHEET NO.  
2A

F.A. PROJECT NO.

ROADWAY DESIGN  
ENGINEER

01/28/2025

PROFESSIONAL  
SEAL  
042673


STATE OF TEXAS

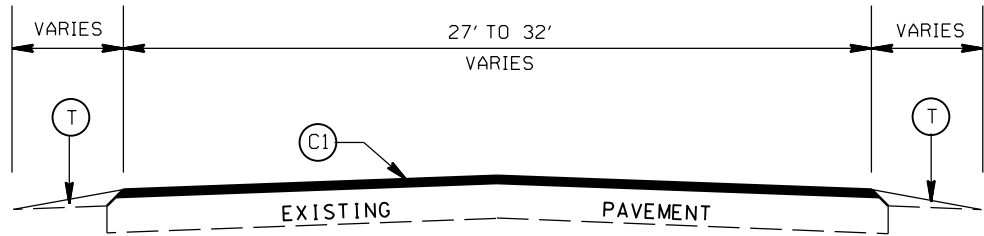
JOHN J. PRESLEY

REGISTERED PROFESSIONAL ENGINEER

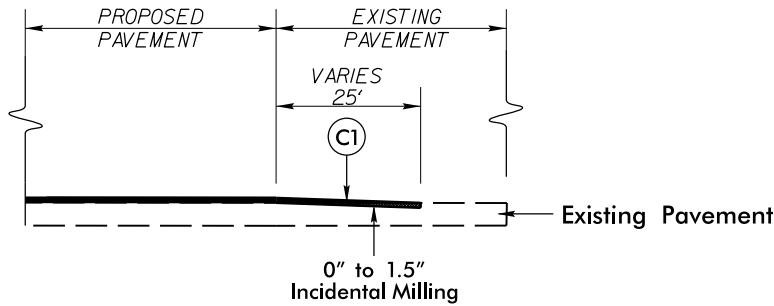
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LEFT TURN LANE ON WEST MAIN ST.  
AT ST MARTIN RD.

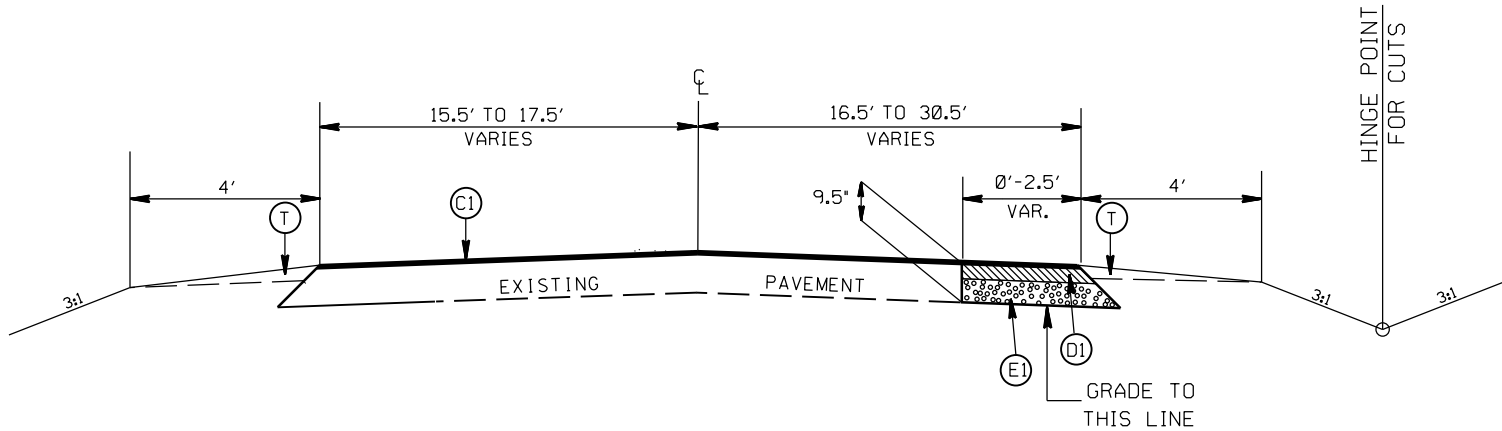
SCALE	1"=50'		REVISIONS	
DATE	1-2024			
DWG. BY	VSC			
DESIGN BY	TBL			
APPROVED	JDH			



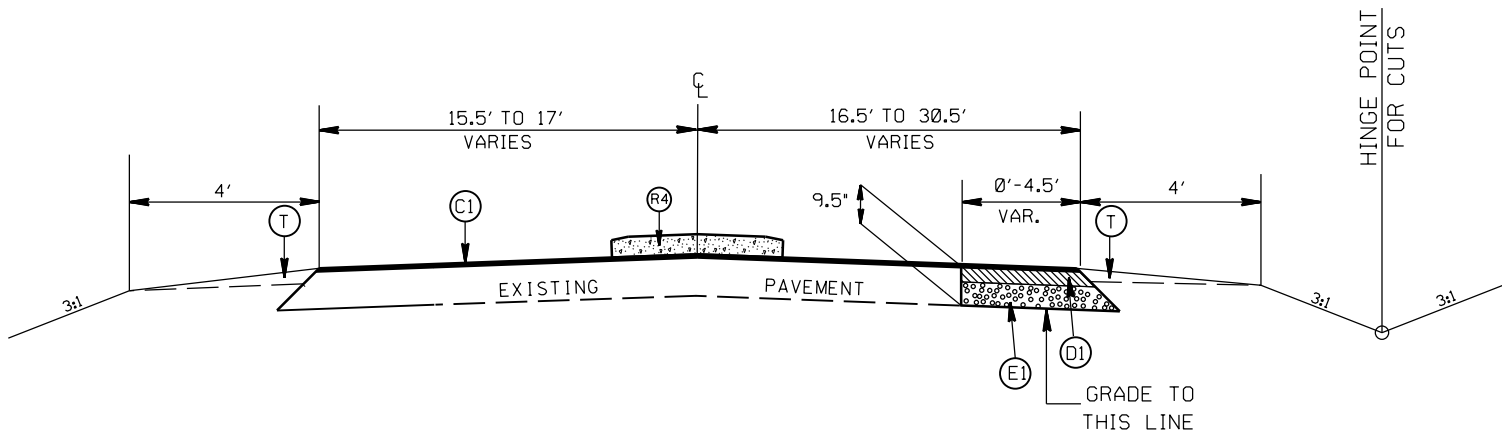
TYPICAL SECTION NO. 6  
STA. 10+85.00 TO 11+10.00 -Y-



INCIDENTAL MILLING DETAIL  
EXISTING ROAD TIE-IN  
PROJECT TIE-INS



TYPICAL SECTION NO. 5  
STA. 10+60.00 TO 10+85.00 -Y-



TYPICAL SECTION NO. 4  
STA. 10+36.00 TO 10+60.00 -Y-

PAVEMENT SCHEDULE	
(C1)	PROP. APPROX. 1½" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(D1)	PROP. APPROX. 4" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
(D2)	PROP. VARIABLE DEPTH ASPHALT CONC. INTERMEDIATE COURSE.
(E1)	PROP. APPROX. 4" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
(R4)	PROP. 5" MONOLITHIC CONC. ISLAND (SURFACE MOUNTED)
(T)	EARTH MATERIAL



NOTE: Invert Elevations are for Bid Purposes only and shall not be used for project construction stakeout.  
See "Standard Specifications For Roads and Structures, Section 300-5".

## ***SUB-REGIONAL & REGIONAL***

***LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)***

[illegible]



PROJECT NO.	SHEET NO.
5039I	4
F.A. PROJECT NO.	

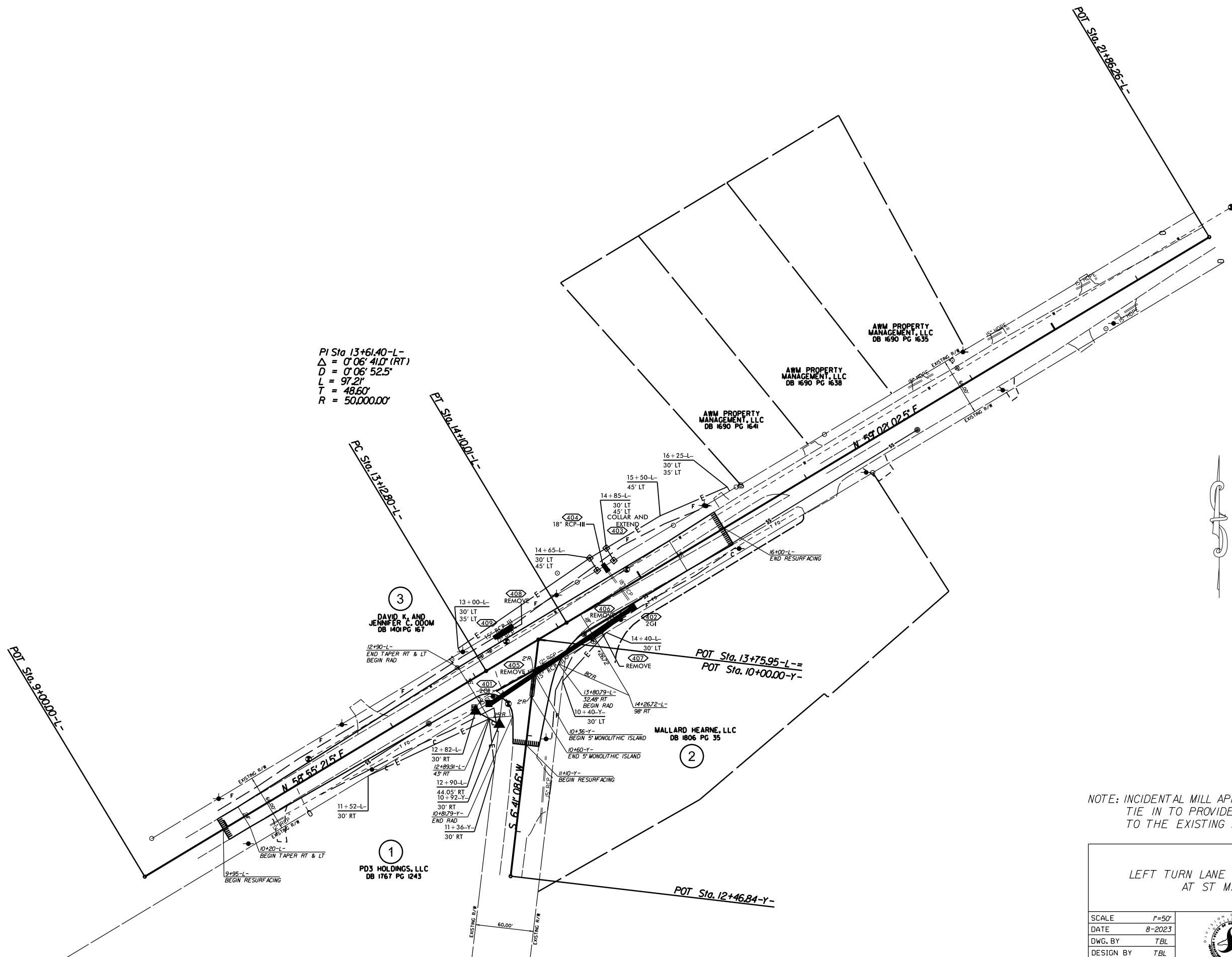
ROADWAY DESIGN  
ENGINEER

01/26/2025

SEAL  
042673

THOMAS J. PRESLEY

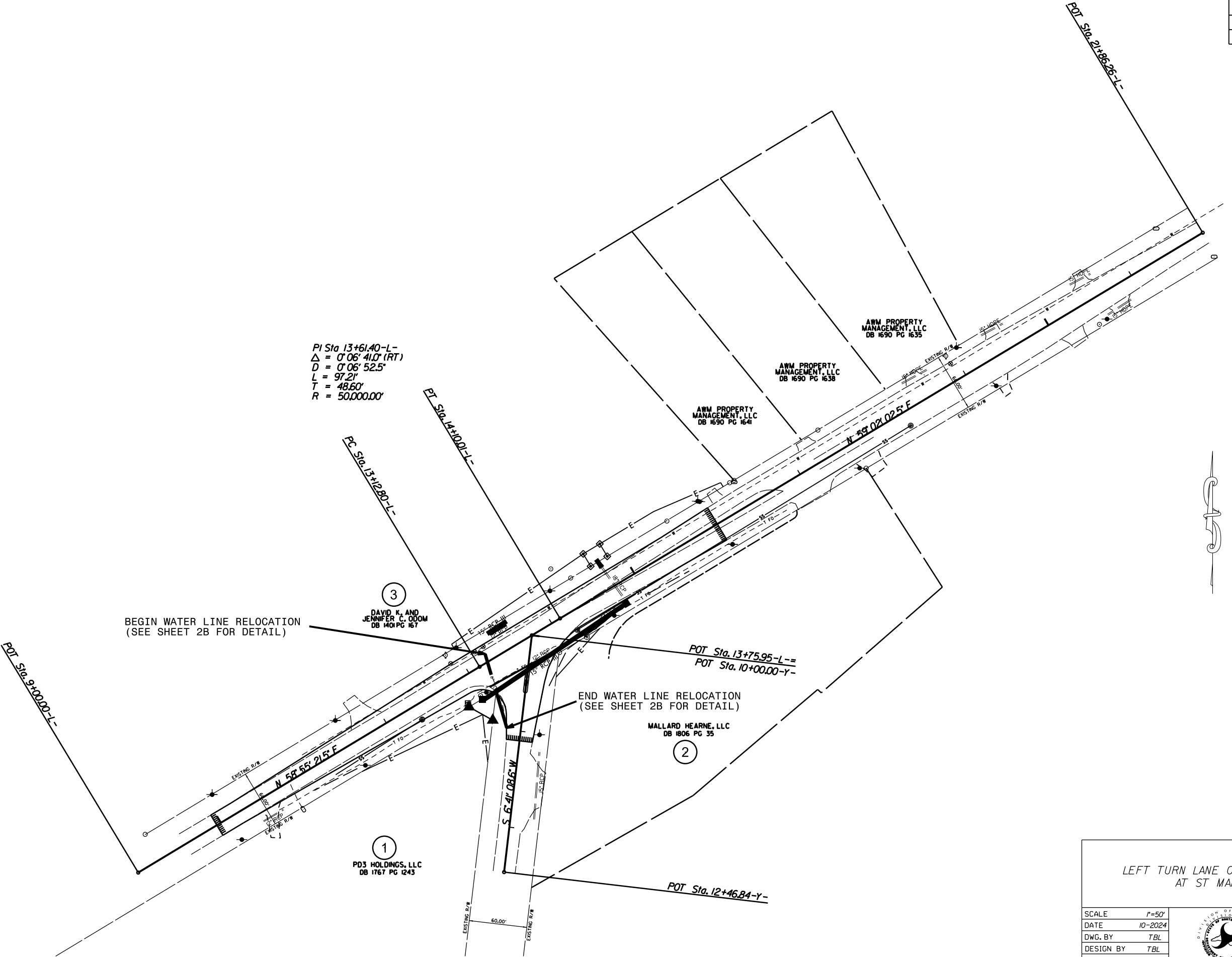
ASSOCIATE ENGINEER



NOTE: INCIDENTAL MILL APPROX. 25' AT EACH  
TIE IN TO PROVIDE A SMOOTH TRANSITION  
TO THE EXISTING ASPHALT PAVEMENT.

LEFT TURN LANE ON WEST MAIN ST. AT ST MARTIN RD.		REVISIONS	
SCALE	1"=50'		
DATE	8-2023		
DWG. BY	TBL		
DESIGN BY	TBL		
APPROVED	JDH		

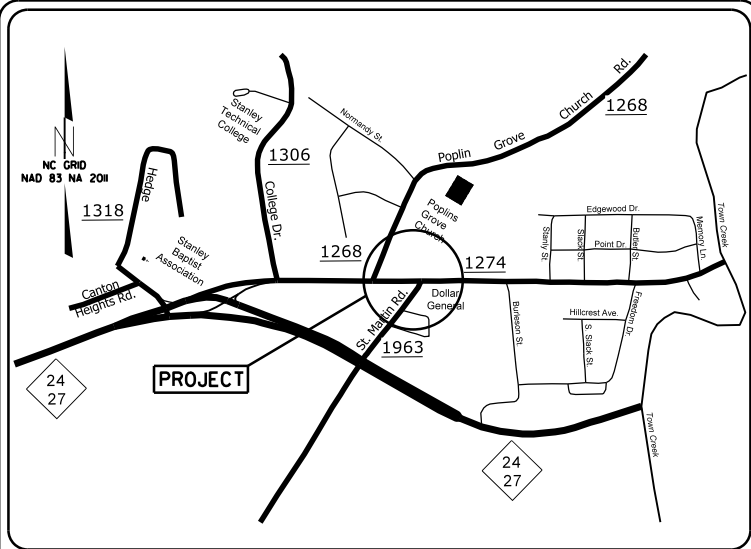
PROJECT NO.	SHEET NO.
5039I	UC-1
F.A. PROJECT NO.	
ROADWAY DESIGN ENGINEER	
01/28/2025	
SEAL 042673	
T. J. PRESLEY	
T. J. PRESLEY	



LEFT TURN LANE ON WEST MAIN ST. AT ST MARTIN RD.	
SCALE	1"=50'
DATE	10-2024
DWG. BY	TBL
DESIGN BY	TBL
APPROVED	JDH
REVISIONS	

M:\27-JAN-2025 10:43:00\_V0\version\50391\_L W Main ST Mar-tun-EC.TSD.dgn

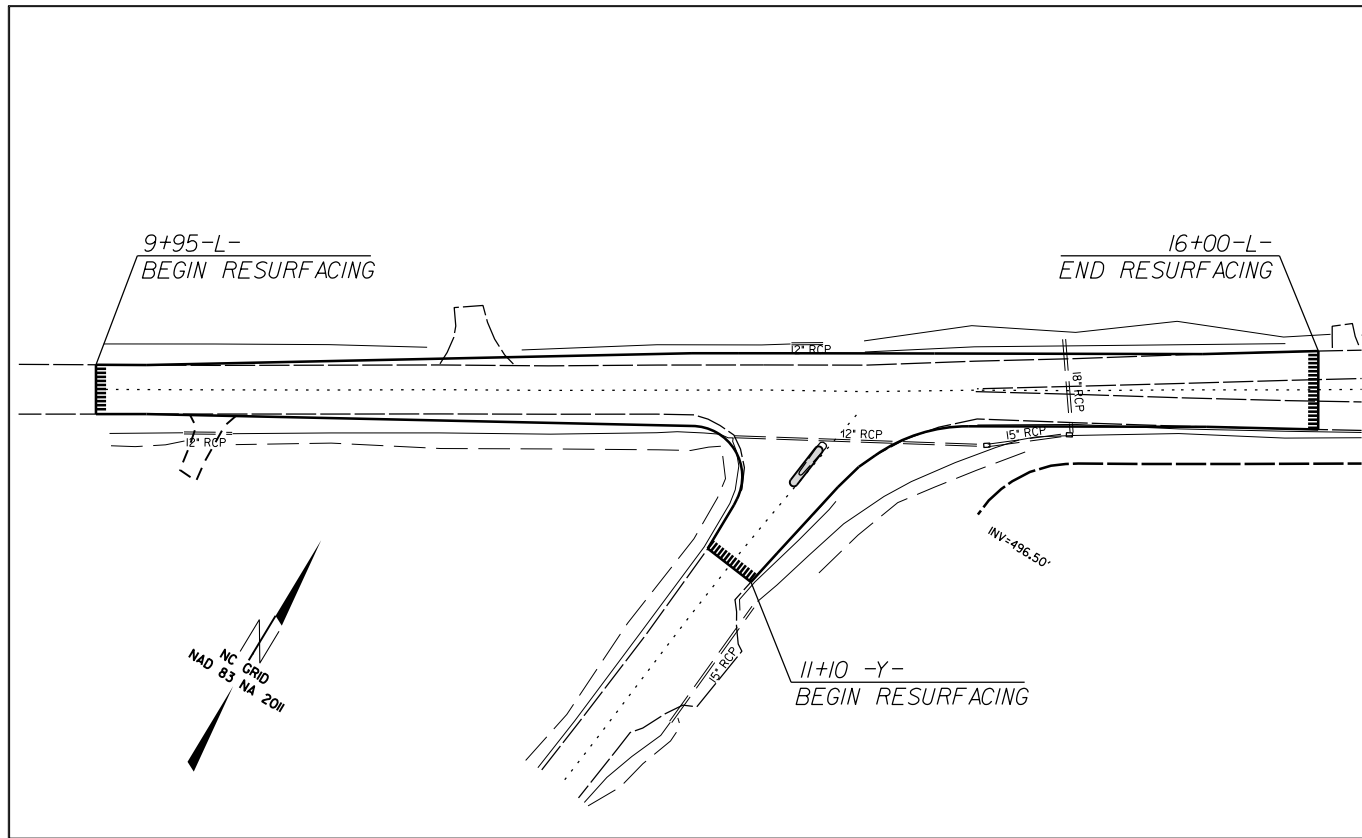
TIP PROJECT: 50391



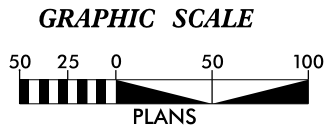
VICINITY MAP  
NOT TO SCALE

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS  
PLAN FOR PROPOSED  
HIGHWAY EROSION CONTROL  
**STANLY COUNTY**

LOCATION: INTERSECTION OF W. MAIN ST. (SR-1274)  
AND ST. MARTIN RD. (SR-1963)



NOTE: INSTALL PERIMETER EROSION CONTROL MEASURES DURING INTIAL CLEARING PHASE



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH  
THE APPLICABLE REGULATIONS SET FORTH BY THE NCG-010000  
GENERAL CONSTRUCTION PERMIT EFFECTIVE APRIL 1, 2019  
AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF  
ENVIRONMENTAL QUALITY DIVISION OF WATER RESOURCES.



Prepared in the Office of:  
**DDC UNIT DIVISION 10**  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

Designed by:  
**VITALIY CHEPEL** **4658**  
NAME LEVEL III CERTIFICATION NO.

Roadway Standard Drawings	
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2024 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.	
1604.01 Railroad Erosion Control Detail	1632.01 Rock Inlet Sediment Trap Type A
1605.01 Temporary Silt Fence	1632.02 Rock Inlet Sediment Dam Type 3
1606.01 Special Sediment Control Fence	1632.03 Rock Inlet Sediment Trap Type C
1607.01 Gravel Construction Entrance	1633.01 Temporary Rock Silt Check Type A
1622.01 Temporary Berms and Slope Drains	1633.02 Temporary Rock Silt Check Type 3
1630.01 Riser Basin	1634.01 Temporary Rock Sediment Dam Type A
1630.02 Silt Basin Type 3	1634.02 Temporary Rock Sediment Dam Type 3
1630.03 Temporary Silt Ditch	1635.01 Rock Pipe Inlet Sediment Trap Type A
1630.04 Stilling Basin	1635.02 Rock Pipe Inlet Sediment Trap Type 3
1630.05 Temporary Diversion	1640.01 Coir Fiber Jaffle
1630.06 Special Stilling Basin	1645.01 Temporary Stream Crossing
1631.01 Matting Installation	

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	50391	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50391		P.E.	
50391		RW	
50391		CONST.	

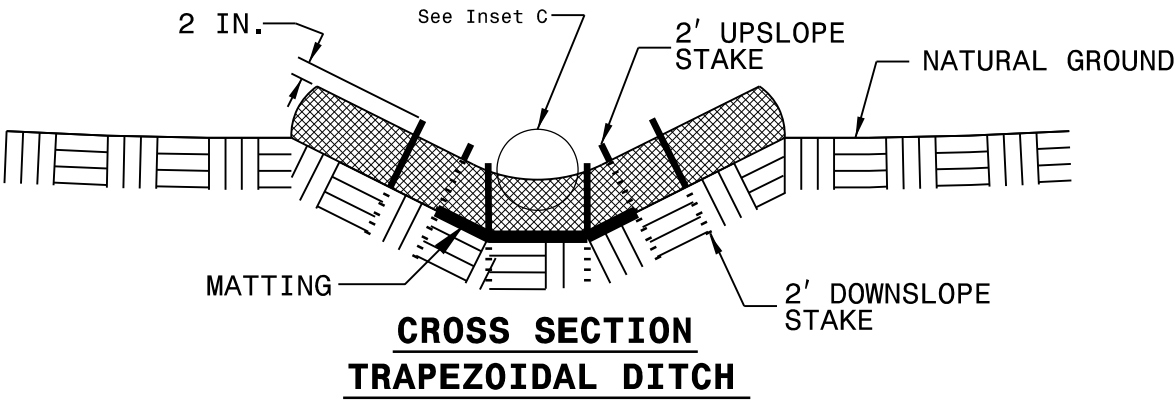
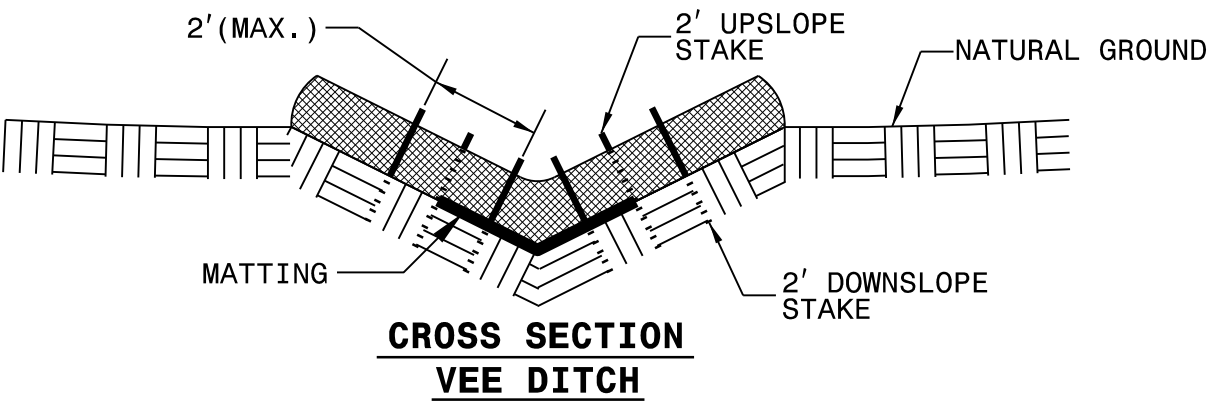
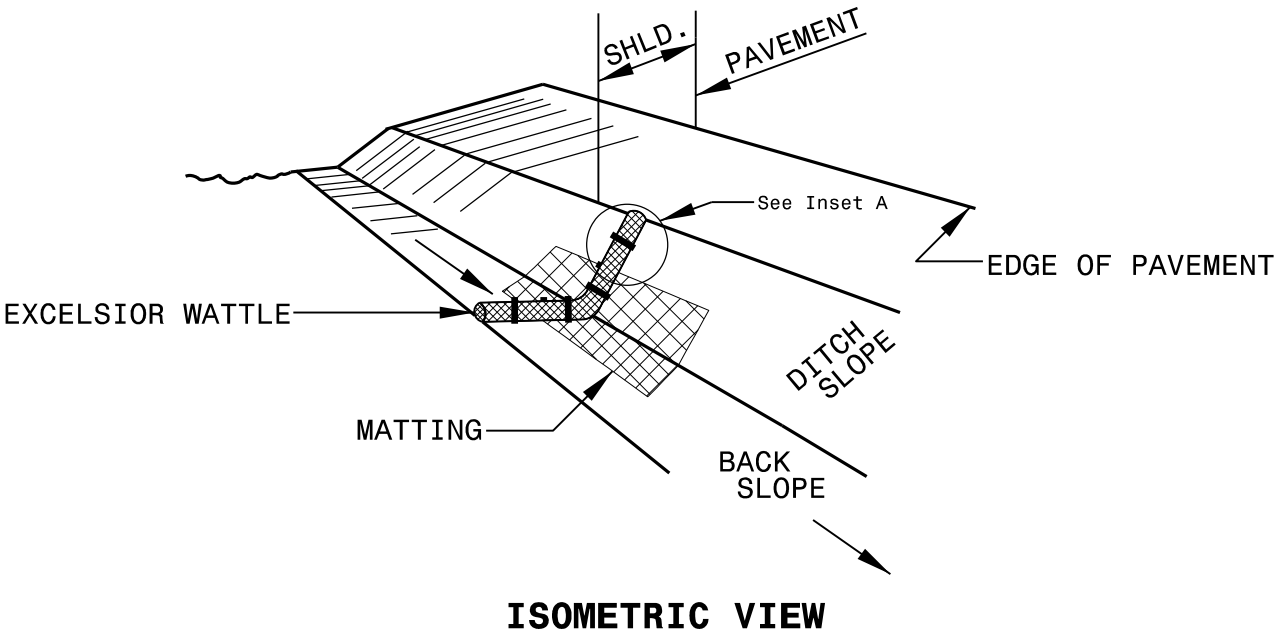
EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1650.03	Temporary Silt Ditch	TD
1650.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	TSF
1606.01	Special Sediment Control Fence	SSCF
1622.01	Temporary Berms and Slope Drains	TD
1650.02	Silt Basin Type B	SB
1653.01	Temporary Rock Silt Check Type-A	TRSCA
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	TRSCA-PAM
1653.02	Temporary Rock Silt Check Type-B	TRSCB
	Wattle / Coir Fiber Wattle	WF
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	WF-PAM
1654.01	Temporary Rock Sediment Dam Type-A	TRSDA
1654.02	Temporary Rock Sediment Dam Type-B	TRSDA-B
1655.01	Rock Pipe Inlet Sediment Trap Type-A	RPIST-A
1655.02	Rock Pipe Inlet Sediment Trap Type-B	RPIST-B
1650.04	Stilling Basin	SB
1650.06	Special Stilling Basin	SSB
	Rock Inlet Sediment Trap:	
1652.01	Type A	A
1652.02	Type B	B
1652.03	Type C	C
	Skimmer Basin	SB
	Tiered Skimmer Basin	TSB
	Infiltration Basin	IB

THIS PROJECT CONTAINS  
EROSION CONTROL PLANS  
FOR CLEARING AND  
GRUBBING PHASE OF  
CONSTRUCTION.

# WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL

PROJECT NO.	SHEET NO.
5039I	EC-2



## NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

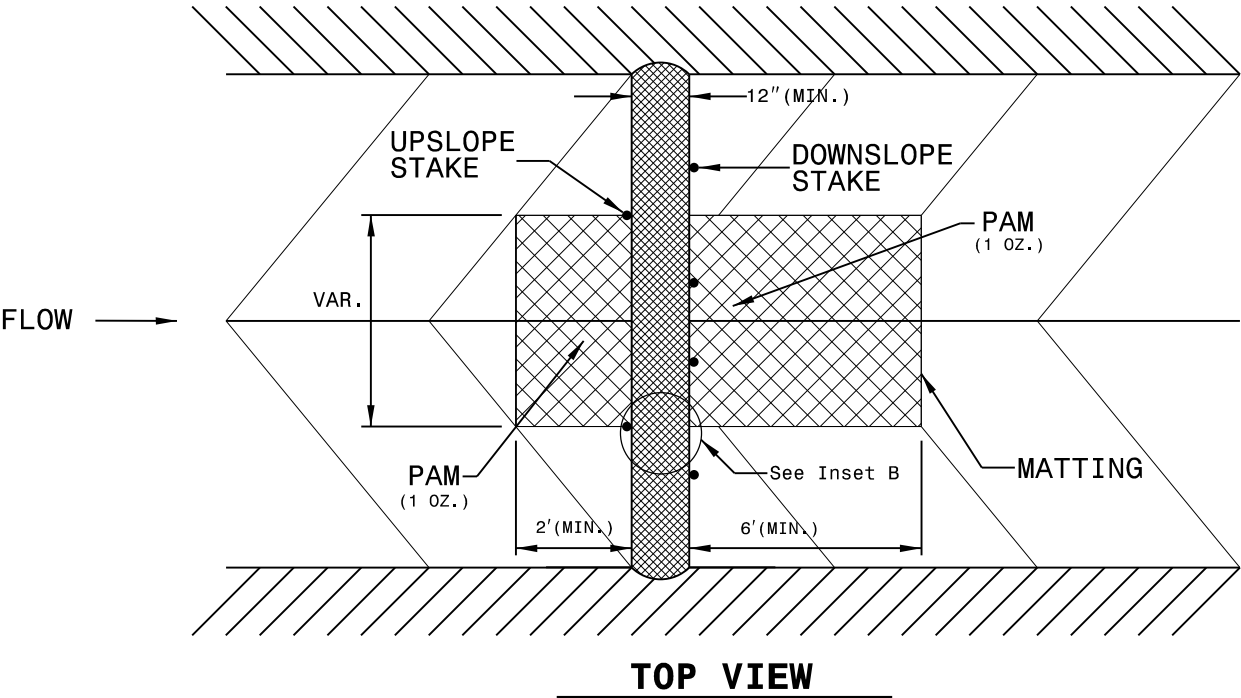
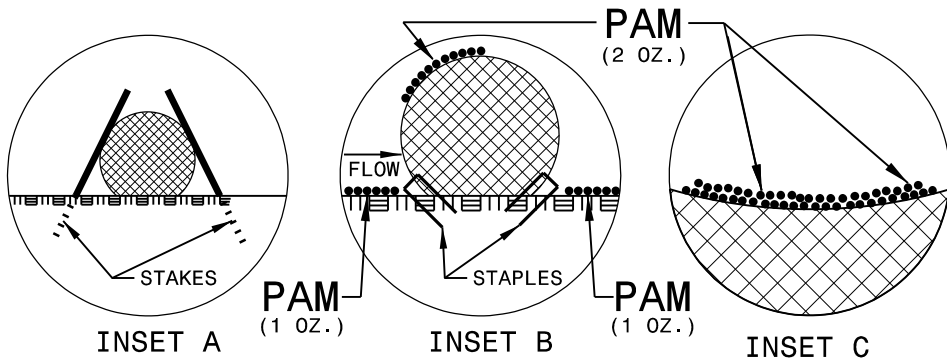
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

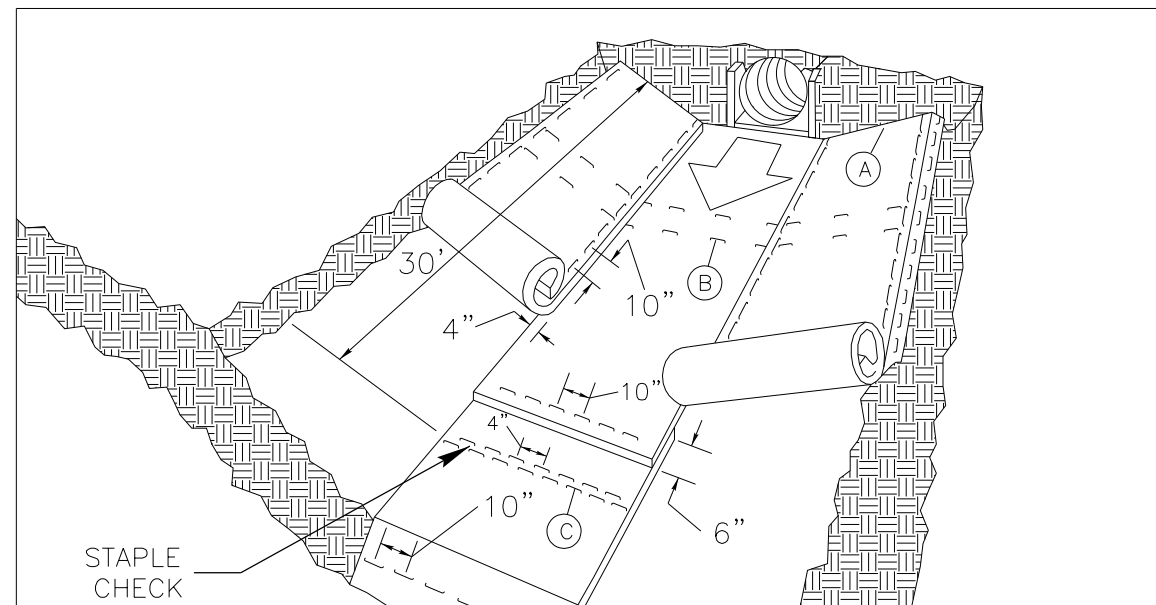
PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



# MATTING INSTALLATION DETAIL

PROJECT NO.	SHEET NO.
5039I	EC-2A



**MATTING IN DITCHES**

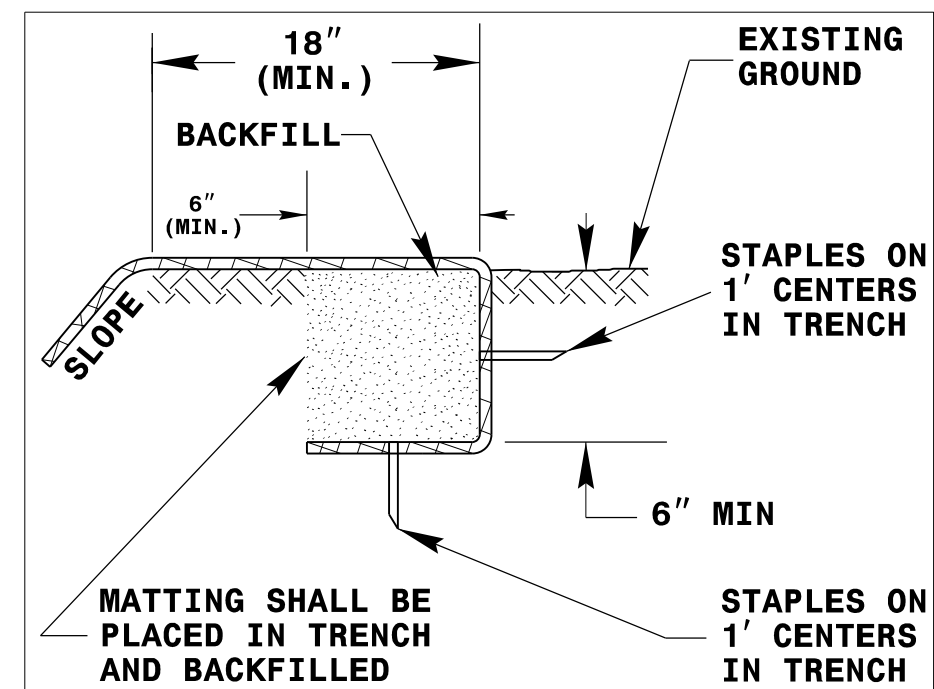
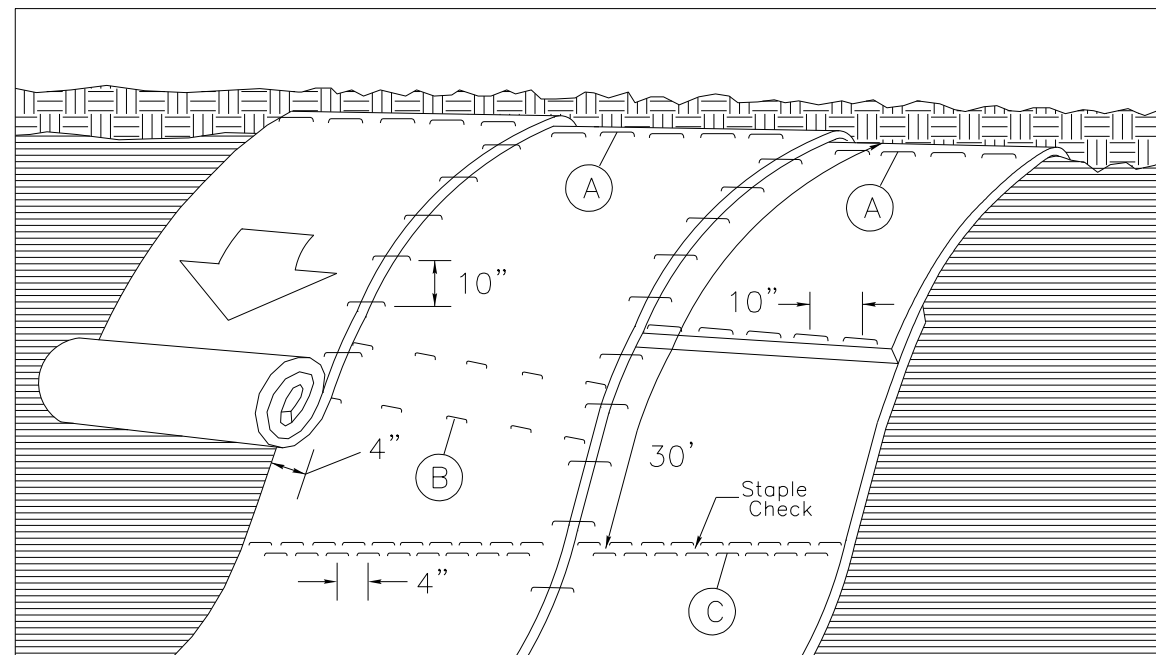


DIAGRAM (A)



**MATTING ON SLOPES**

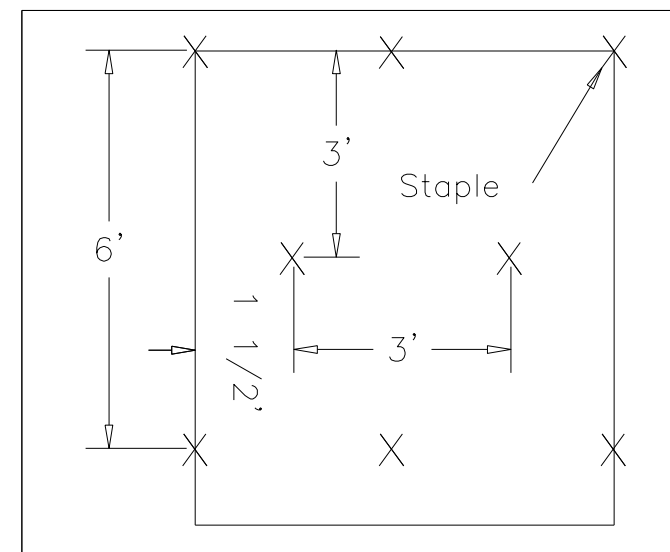


DIAGRAM B

Staple Check Pattern

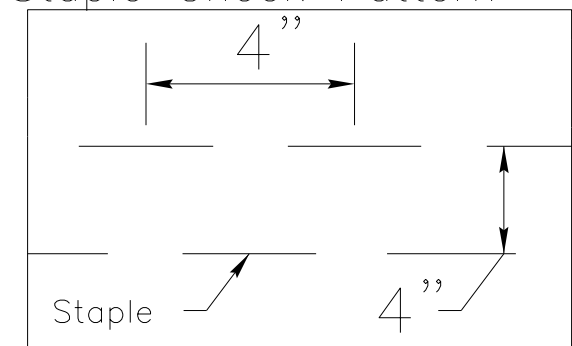


DIAGRAM (C)

## NOTES:

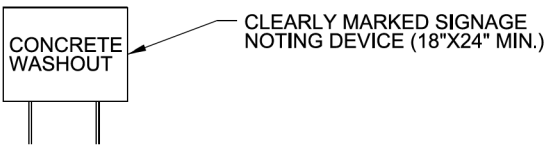
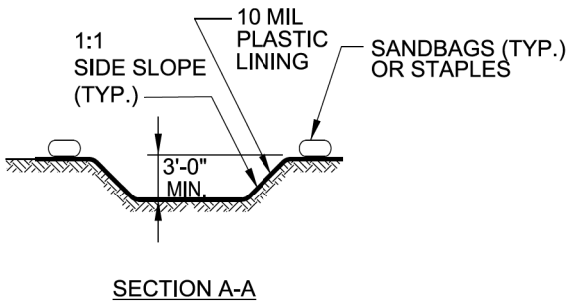
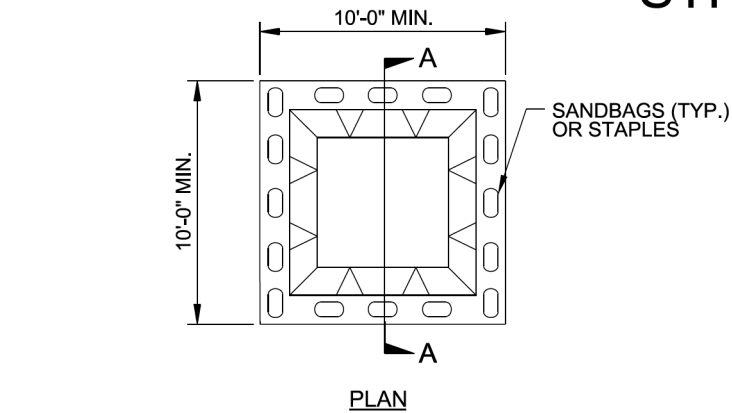
THIS DETAIL APPLIES TO STRAW, EXCELSIOR, AND PERMANENT SOIL REINFORCEMENT MAT (PSRM) INSTALLATION.

STAPLES SHALL BE NO. 11 GAUGE STEEL WIRE FORMED INTO A "U" SHAPE WITH A MINIMUM THROAT WIDTH OF 1 INCH AND NOT LESS THAN 6 INCHES IN LENGTH.

NOT TO SCALE

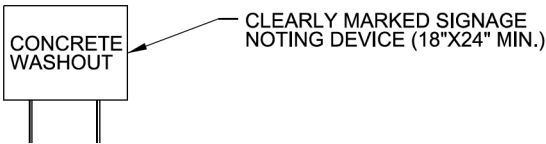
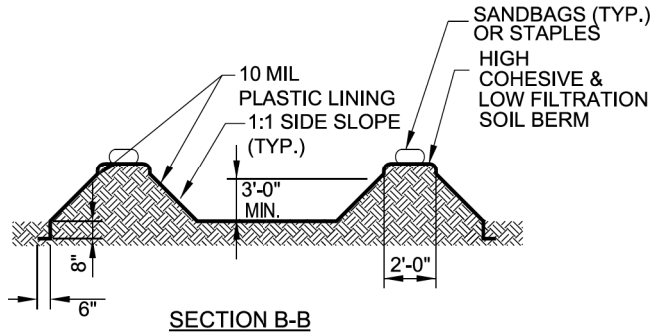
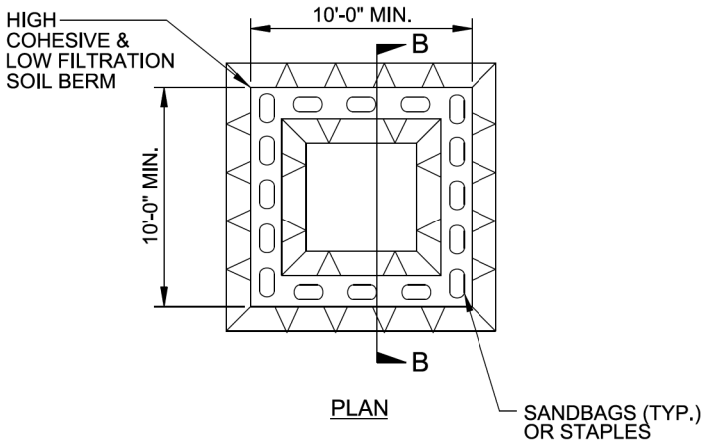
PROJECT REFERENCE NO.	SHEET NO.
X-XXXX	EC-XX
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



BELOW GRADE WASHOUT STRUCTURE  
NOT TO SCALE

- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
  2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
  3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.



ABOVE GRADE WASHOUT STRUCTURE  
NOT TO SCALE

- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
  2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
  3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

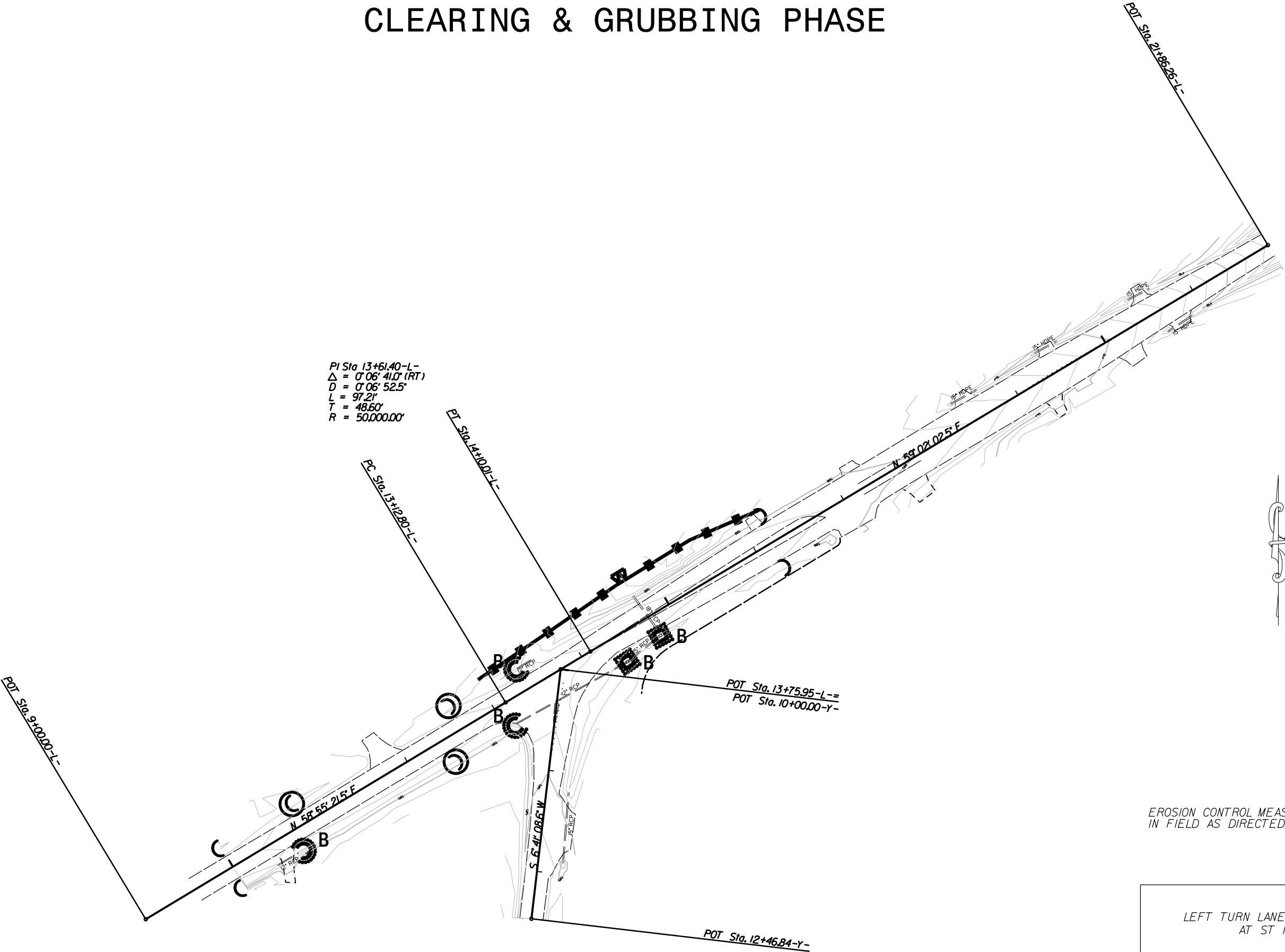
PROJECT NO.	SHEET NO.
5039I	EC-3

SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

CLEARING & GRUBBING PHASE

PROJECT NO.	SHEET NO.
5039I	EC-4
F.A. PROJECT NO.	



EROSION CONTROL MEASURES MAY BE CHANGED  
IN FIELD AS DIRECTED BY THE ENGINEER

LEFT TURN LANE ON WEST MAIN ST. AT ST MARTIN RD.		REVISIONS	
SCALE	1"=50'		
DATE	9-2024		
DWG. BY	VSC		
DESIGN BY	TBL		
APPROVED	JDH		





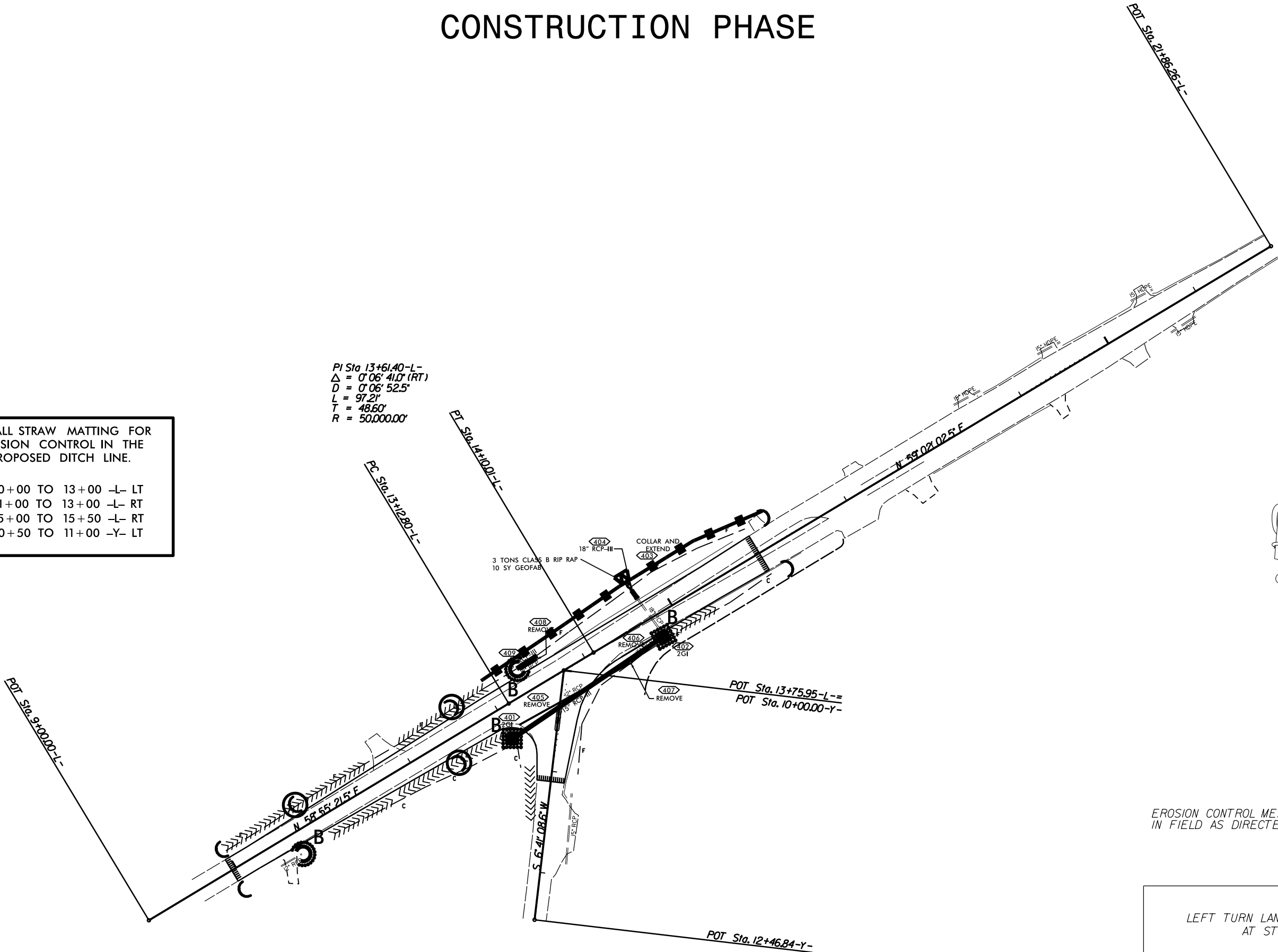
CONSTRUCTION PHASE

PROJECT NO.	SHEET NO.
5039I	EC-5
F.A. PROJECT NO.	


INSTALL STRAW MATTING FOR  
EROSION CONTROL IN THE  
PROPOSED DITCH LINE.

10+00 TO 13+00 -L- LT  
11+00 TO 13+00 -L- RT  
15+00 TO 15+50 -L- RT  
10+50 TO 11+00 -Y- LT

PI Sta 13+61.40-L-  
 $\Delta = 0^{\circ}06'41.0"$  (RT)  
 $D = 0^{\circ}06'52.5"$   
 $L = 97.21'$   
 $T = 48.60'$   
 $R = 50,000.00'$



EROSION CONTROL MEASURES MAY BE CHANGED  
IN FIELD AS DIRECTED BY THE ENGINEER

LEFT TURN LANE ON WEST MAIN ST. AT ST MARTIN RD.	
SCALE	1"=50'
DATE	9-2024
DWG. BY	VSC
DESIGN BY	TBL
APPROVED	JDH
	
REVISIONS	

PAVEMENT MARKING SCHEDULE

PAVEMENT MARKING LINES

- TA - WHITE EDGE LINE (4",90 MIL)

TB - YELLOW EDGE LINE (4",90 MIL)

TC - 10FT. WHITE SKIP (4",90 MIL)

TD - 3FT.-9FT./SP WHITE MINISKIP (4",90 MIL)

TE - WHITE SOLID LANE LINE (4",90 MIL)

TF - 10FT. YELLOW SKIP (4",90 MIL)

TH - YELLOW SINGLE CENTER (4",90 MIL)

TI - YELLOW DOUBLE CENTER (4",90 MIL)

TJ - 10FT. WHITE SKIP (6",90 MIL)

TK - 3FT.-9FT./SP WHITE MINISKIP (6",90 MIL)

TL - WHITE SOLID LANE LINE (6",90 MIL)

TM - 10FT. YELLOW SKIP (6",90 MIL)

TN - WHITE GORE LINE (8",90 MIL)

TO - WHITE DIAGONAL (8",90 MIL)

TP - YELLOW DIAGONAL (8",90 MIL)

TQ - WHITE CROSSWALK LINE (8",90 MIL)

TR - WHITE SOLID LANE LINE (8",90 MIL)

TS - WHITE GORE LINE (12",90 MIL)

TT - WHITE SOLID LANE LINE (12",90 MIL)
- TU - WHITE DIAGONAL (12",90 MIL)

TV - YELLOW DIAGONAL (12",90 MIL)

TI - WHITE LINE, RR X (16",90 MIL)

T2 - WHITE STOPBAR (24",90 MIL)

T3 - WHITE CROSSWALK LINE (24",90 MIL)

T4 - WHITE RUMBLE STRIP (4",240 MIL)

T5 - YELLOW RUMBLE STRIP (4",240 MIL)

T6 - WHITE EDGE LINE (6",90 MIL)

T7 - YELLOW EDGE LINE (6",90 MIL)

T8 - 2FT.-6FT./SP WHITE MINISKIP (4",90 MIL)

T9 - 2FT.-6FT./SP YELLOW MINISKIP (4",90 MIL)

T10 - 3FT.-3FT./SP WHITE MINISKIP (12",90 MIL)

T11 - 2FT.-6FT./SP WHITE MINISKIP (6",90 MIL)

T12 - 2FT.-6FT./SP YELLOW MINISKIP (6",90 MIL)

T13 - 3FT.-9FT./SP WHITE MINISKIP (8",90 MIL)

T14 - 3FT.-9FT./SP WHITE MINISKIP (12",90 MIL)

T15 - YELLOW SINGLE CENTER (6",90 MIL)

T16 - YELLOW DOUBLE CENTER (6",90 MIL)

T17 - 3FT.-3FT./SP WHITE MINISKIP ENTRANCE LINE (8",90 MIL)

PAVEMENT MARKING SYMBOLS

- UA -LEFT TURN ARROW (90 MIL)

UB - RIGHT TURN ARROW (90 MIL)

UC - STRAIGHT ARROW (90 MIL)

UD - COMBO. LEFT/STRAIGHT ARROW (90 MIL)

UE - COMBO. RIGHT/STRAIGHT ARROW (90 MIL)

UF - COMBO. LEFT/RIGHT ARROW (90 MIL)

UG - COMBO. LEFT/RIGHT/STRAIGHT ARROW (90 MIL)

UH - HANDICAP PARKING (90 MIL)

UI - ALPHANUMERIC CHAR. (90 MIL)

UJ - BICYCLE SYMBOL (90 MIL)

UK - BICYCLE STRAIGHT ARROW (90 MIL)

UL - BICYCLE CHAR. (90 MIL)

UM - 12" YIELD LINE TRIANGLE (90 MIL)

UN - 24" YIELD LINE TRIANGLE (90 MIL)

UO - BICYCLE LEFT ARROW (90 MIL)

UP - MERGE ARROW (90 MIL)

UQ - RAMP ARROW SYMBOL (90 MIL)

UR - SHARROW (90 MIL)

US - BICYCLE LOOP DETECTOR (90 MIL)

UT - U-TURN ARROW (90 MIL)
- UU - FISH-HOOK STRAIGHT ARROW (90 MIL)

UV - FISH-HOOK LEFT/STRAIGHT ARROW (90 MIL)

UW - FISH-HOOK RIGHT/STRAIGHT ARROW (90 MIL)

UX - FISH-HOOK LEFT/RIGHT ARROW (90 MIL)

UY - FISH-HOOK LEFT/RIGHT/STRAIGHT ARROW (90 MIL)

UZ - FISH-HOOK W/CIRCLE STRAIGHT ARROW (90 MIL)

WA - FISH-HOOK W/CIRCLE LEFT ARROW (90 MIL)

WB - FISH-HOOK W/CIRCLE LEFT/STRAIGHT ARROW (90 MIL)

WC - FISH-HOOK W/CIRCLE LEFT/RIGHT/STRAIGHT ARROW (90 MIL)
- MA - PERMANENT RAISED MARKER (YELLOW & YELLOW)

MB - PERMANENT RAISED MARKER (CRYSTAL & RED)

MC - PERMANENT RAISED MARKER (YELLOW & RED)

MD - PERMANENT RAISED MARKER (YELLOW)

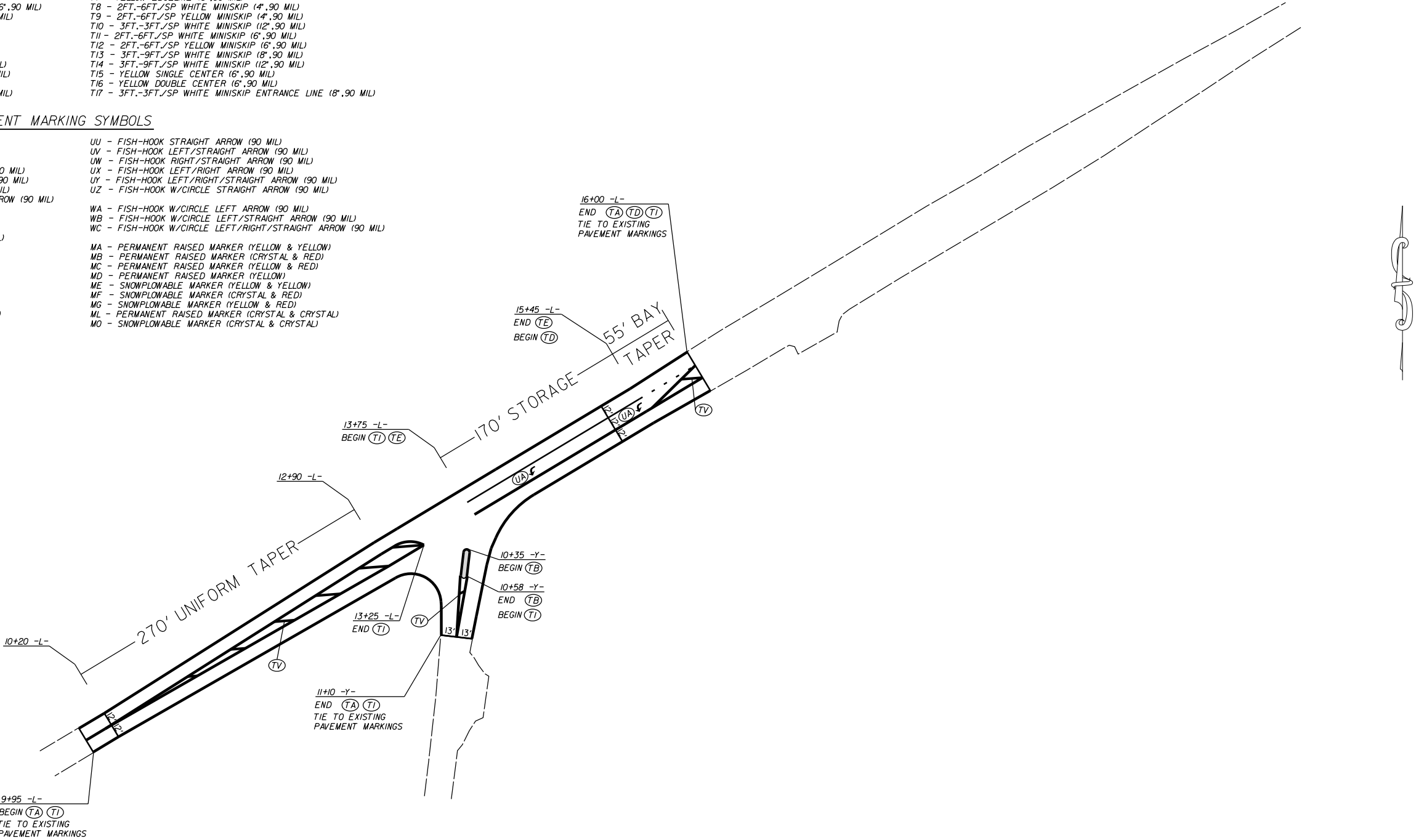
ME - SNOWPLOWABLE MARKER (YELLOW & YELLOW)

MF - SNOWPLOWABLE MARKER (CRYSTAL & RED)

MG - SNOWPLOWABLE MARKER (YELLOW & RED)

ML - PERMANENT RAISED MARKER (CRYSTAL & CRYSTAL)

MO - SNOWPLOWABLE MARKER (CRYSTAL & CRYSTAL)



PROJECT NO.

5039I

SHEET NO.

PMP-1

F.A. PROJECT NO.

ROADWAY DESIGN ENGINEER

01/28/2025

SEAL 042673

PROFESSIONAL

STATE OF TEXAS

107165 J. PRESLEY

107165 J. PRESLEY

AS001ACTA1FF4TB...

LEFT TURN LANE ON WEST MAIN ST.  
AT ST MARTIN RD.

SCALE	1"=50'	<div><div>DIVISION OF HIGHWAYS</div><div><div></div></div><div>STATE OF TEXAS</div></div>	REVISIONS	
DATE	10-2024			
DWG. BY	TBL			
DESIGN BY	TBL			
APPROVED	JDH			

5/26/20

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN  
STANLY COUNTY

LOCATION: INTERSECTION OF W. MAIN ST. (SR-1274)  
& ST. MARTIN RD. (SR-1963)

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR 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:

<u>STD. NO.</u>	<u>TITLE</u>
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

PROJECT NOTES

- DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- DISPOSAL OF SUPPORT, U-CHANNEL
- RELOCATE SIGN, TYPE E

GENERAL NOTES

- SIGNS FURNISHED BY CONTRACTOR
- IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN	79.50	S.F.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	200	L.F.
4102000000	904	SIGN ERECTION, TYPE E	21	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E (GROUND MOUNTED)	1	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	9	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	1	EA.

INDEX

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
SIGN-1	TITLE SHEET
SIGN-2	TYPE E SIGNS
SIGN-3-4	SIGNING PLAN SHEETS

PLAN PREPARED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT

K. L. JORDAN \_\_\_\_\_ SIGNING & DELINEATION REGIONAL ENGINEER  
J. G. MARTINEZ, PE \_\_\_\_\_ SIGNING & DELINEATION PROJECT DESIGN ENGINEER

50391

SIGN01

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

DocuSigned by:  
*Jose G. Martinez*  
447DB418C886461

APPROVED:DATE: 01/24/2025

SEAL:

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

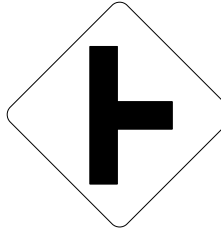
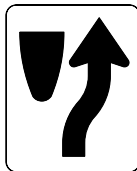

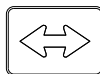
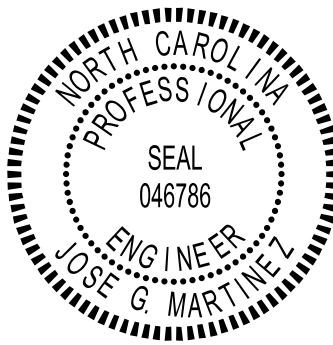
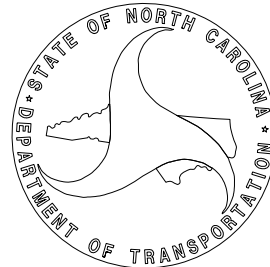
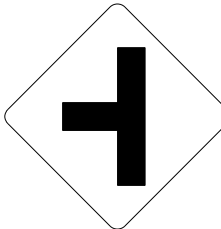
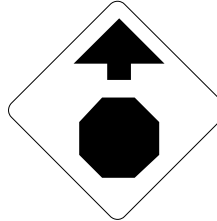

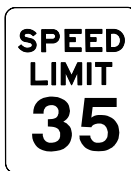

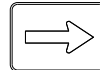
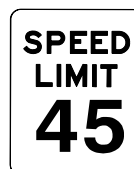

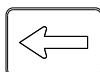
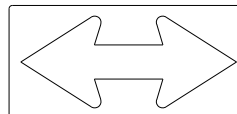


SEAL  
046786  
ENGINEER  
JOSE G. MARTINEZ

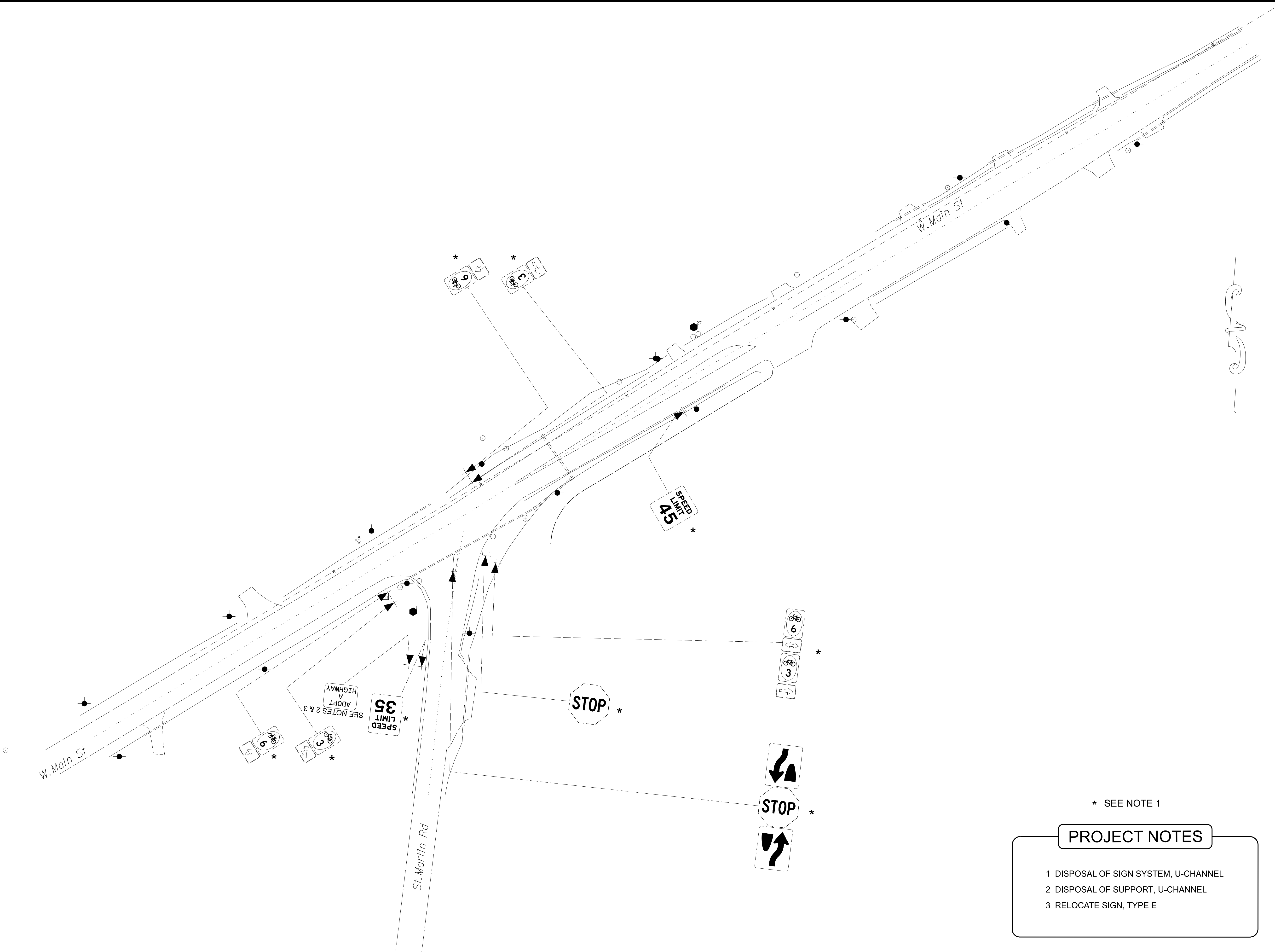
INCOMPLETE PLANS  
(DO NOT BE FOR FIVE NORTH)

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

50391

5/26/20	<div>401</div> <div>QUANTITY REQ'D .1</div> <div><div>30" X 30" W2-2R</div></div> <div>ONE "U" POST PER SIGN</div>	<div>406</div> <div>QUANTITY REQ'D .1</div> <div><div>24" X 30" R4-7</div></div> <div>ONE "U" POST PER SIGN</div>	<div>411</div> <div>QUANTITY REQ'D .3</div> <div><div>18" X 24" M1-8</div></div> <div>MOUNT BELOW SIGN 412 IN .2 INSTALLATIONS MOUNT BELOW SIGN 416 IN .1 INSTALLATIONS</div>	<div>416</div> <div>QUANTITY REQ'D .1</div> <div><div>12" X 9" M6-4P</div></div> <div>MOUNT BELOW SIGN 410 IN .1 INSTALLATIONS</div>				<div>50391</div> <div>SIGN02</div> <div>NORTH CAROLINA DEPARTMENT OF TRANSPORTATION</div> <div>DocuSigned by: APPROVED: Jose G. Martinez 4A7DB418C886461...</div> <div>DATE: 01/24/2025</div> <div>SEAL: </div> <div>INCOMPLETE PLANS (DO NOT BE FOR CONSTRUCTION)</div> <div>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</div> <div></div> <div>TYPE E SIGNS</div>
	<div>402</div> <div>QUANTITY REQ'D .1</div> <div><div>30" X 30" W2-2L</div></div> <div>ONE "U" POST PER SIGN</div>	<div>407</div> <div>QUANTITY REQ'D .1</div> <div><div>30" X 30" W3-1</div></div> <div>ONE "U" POST PER SIGN</div>	<div>412</div> <div>QUANTITY REQ'D .2</div> <div><div>12" X 9" M6-3P</div></div> <div>MOUNT BELOW SIGN 410 IN .2 INSTALLATIONS</div>					
	<div>403</div> <div>QUANTITY REQ'D .1</div> <div><div>24" X 30" R2-1</div></div> <div>ONE "U" POST PER SIGN</div>	<div>408</div> <div>QUANTITY REQ'D .1</div> <div><div>30" X 30" R1-1</div></div> <div>ONE "U" POST PER SIGN</div>	<div>413</div> <div>QUANTITY REQ'D .1</div> <div><div>12" X 9" M6-1P(R)</div></div> <div>MOUNT BELOW SIGN 411 IN .1 INSTALLATIONS</div>					
	<div>404</div> <div>QUANTITY REQ'D .1</div> <div><div>24" X 30" R2-1</div></div> <div>ONE "U" POST PER SIGN</div>	<div>409</div> <div>QUANTITY REQ'D .1</div> <div><div>36" X 36" R1-1</div></div> <div>ONE "U" POST PER SIGN</div>	<div>414</div> <div>QUANTITY REQ'D .1</div> <div><div>12" X 9" M6-1P(L)</div></div> <div>MOUNT BELOW SIGN 411 IN .1 INSTALLATIONS</div>					
	<div>405</div> <div>QUANTITY REQ'D .1</div> <div><div>48" X 24" W1-7</div></div> <div>TWO "U" POSTS PER SIGN</div>	<div>410</div> <div>QUANTITY REQ'D .3</div> <div><div>18" X 24" M1-8</div></div> <div>ONE "U" POST PER SIGN</div>	<div>415</div> <div>QUANTITY REQ'D .1</div> <div><div>12" X 9" M6-6P</div></div> <div>MOUNT BELOW SIGN 411 IN .1 INSTALLATIONS</div>					



\* SEE NOTE 1

PROJECT NOTES

- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 DISPOSAL OF SUPPORT, U-CHANNEL
- 3 RELOCATE SIGN, TYPE E

50391

SIGN03

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

DocuSigned by:  
*Jose G. Martiney*  
447D8418C88481...

APPROVED

DATE: 01/24/2025

SEAL:

NORTH CAROLINA  
PROFESSIONAL  
SEAL  
046786  
ENGINEER  
JOSE G. MARTINEY

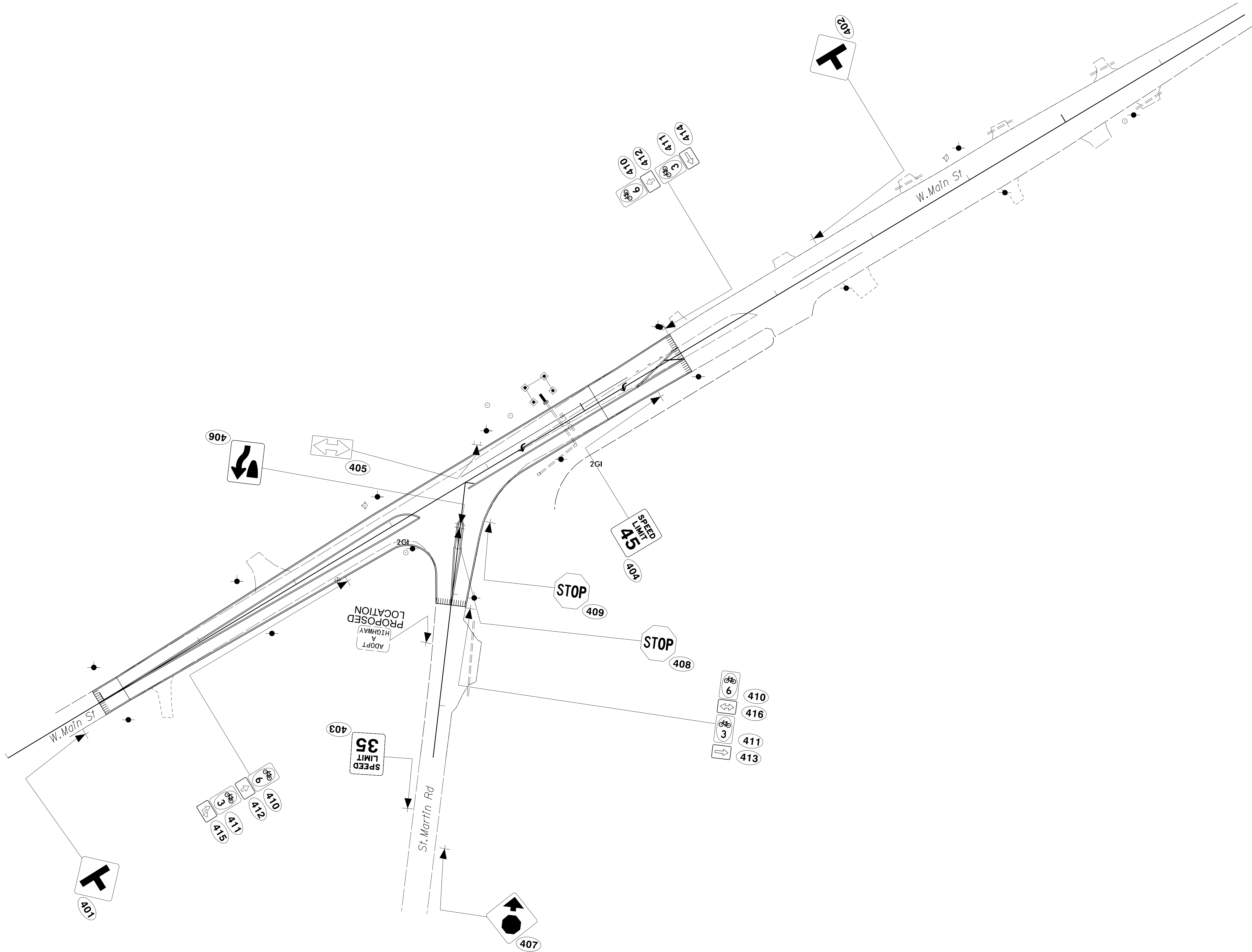
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DO NOT BE FOR CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

EXISTING SIGNS





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SIGN04

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

DocuSigned by:  
**Jose G. Martinez**  
4A7DB418C886461...

APPROVED

DATE: 01/24/2025

SEAL:

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
SEAL  
046786  
ENGINEER  
JOSE G. MARTINEZ

INCOMPLETE PLANS  
DO NOT BE USED FOR CONSTRUCTION

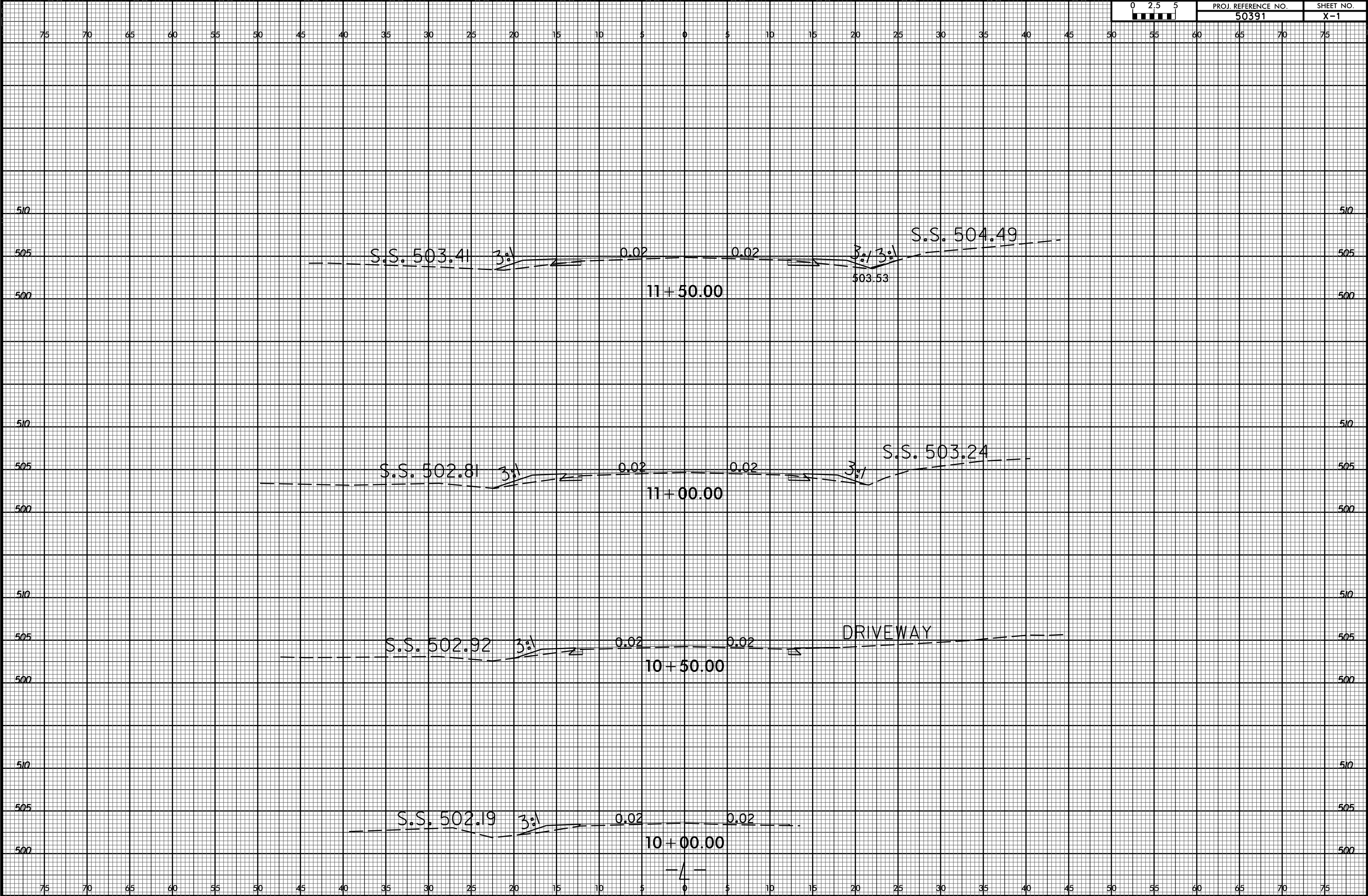
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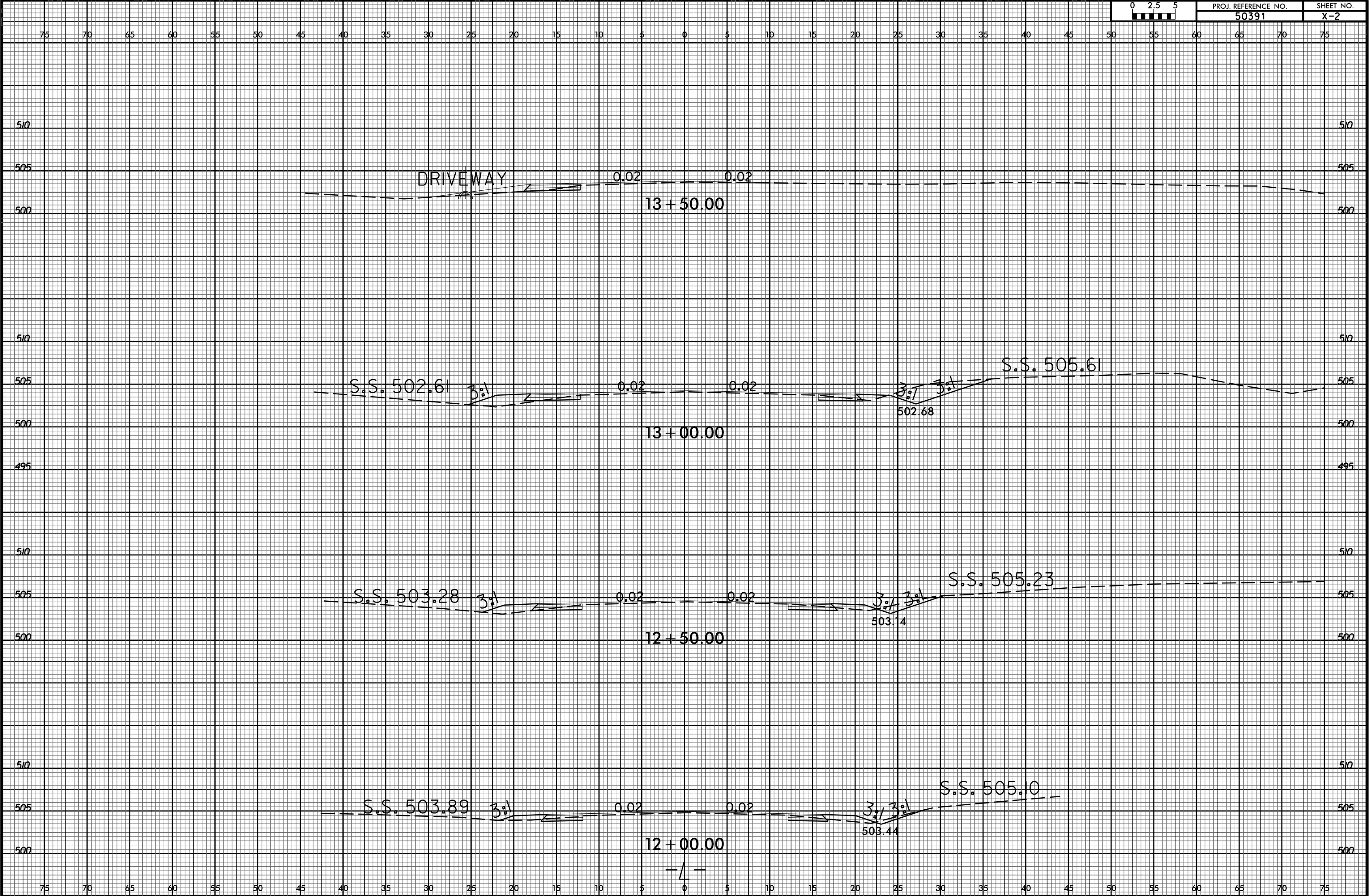
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGNS

6/23/16

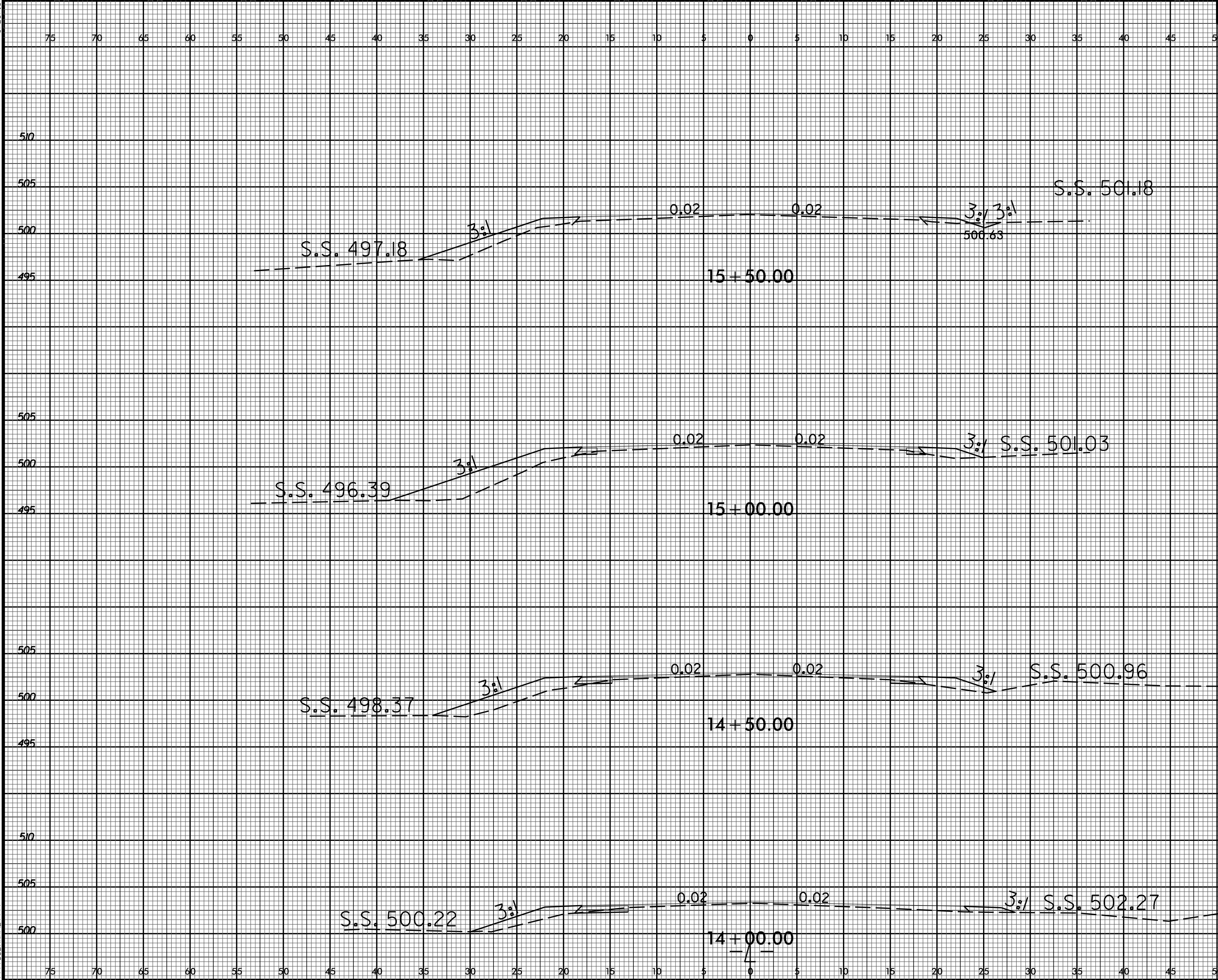
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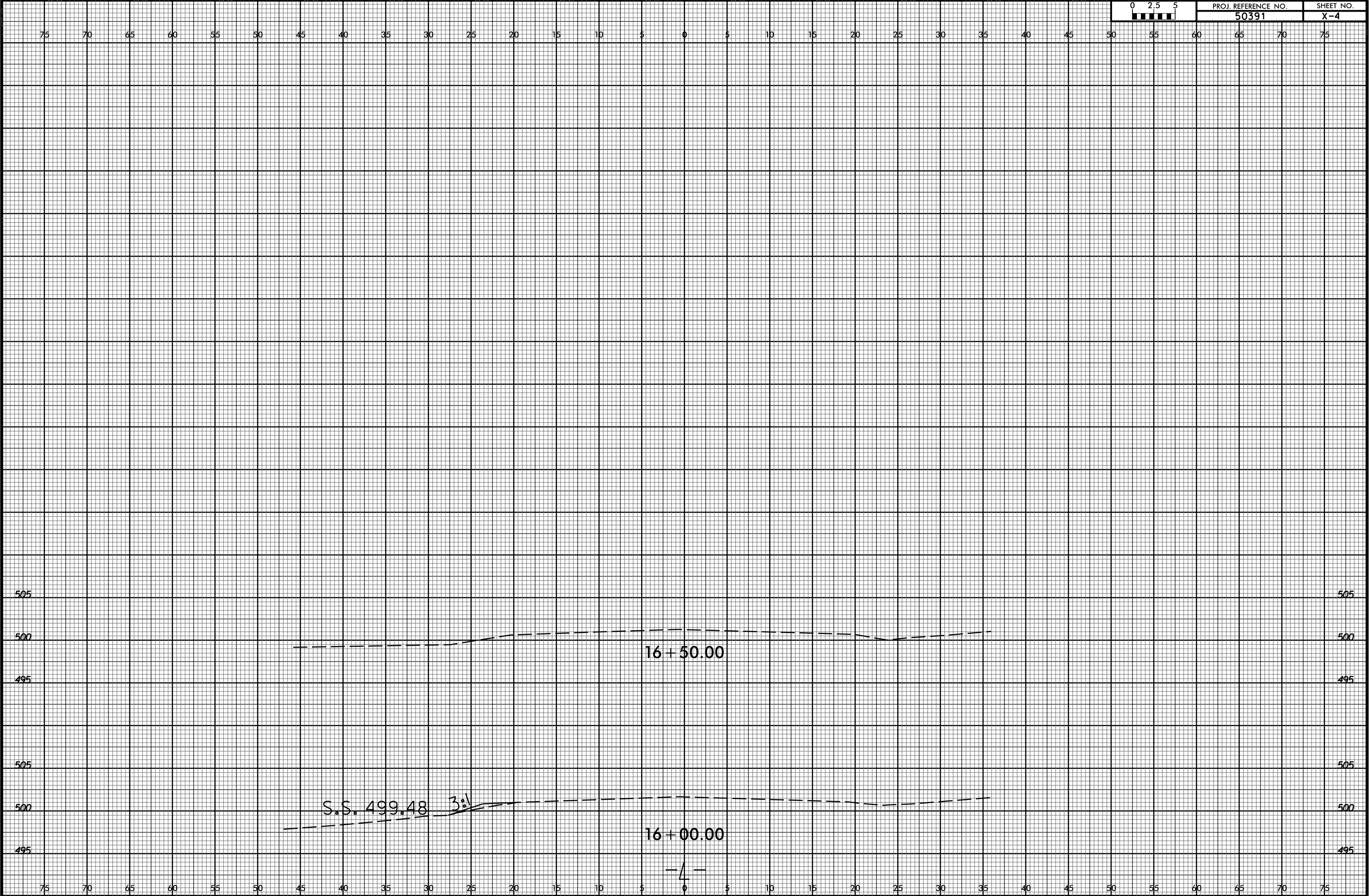


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6/23/16

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6/23/16

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