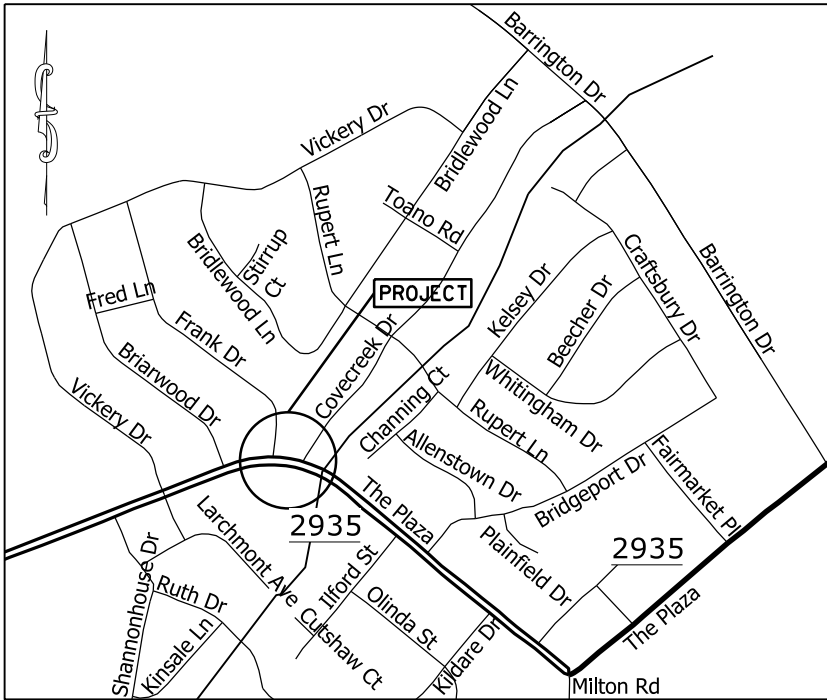


PROJECT: 50982.3.8 TIP: HS-2410G



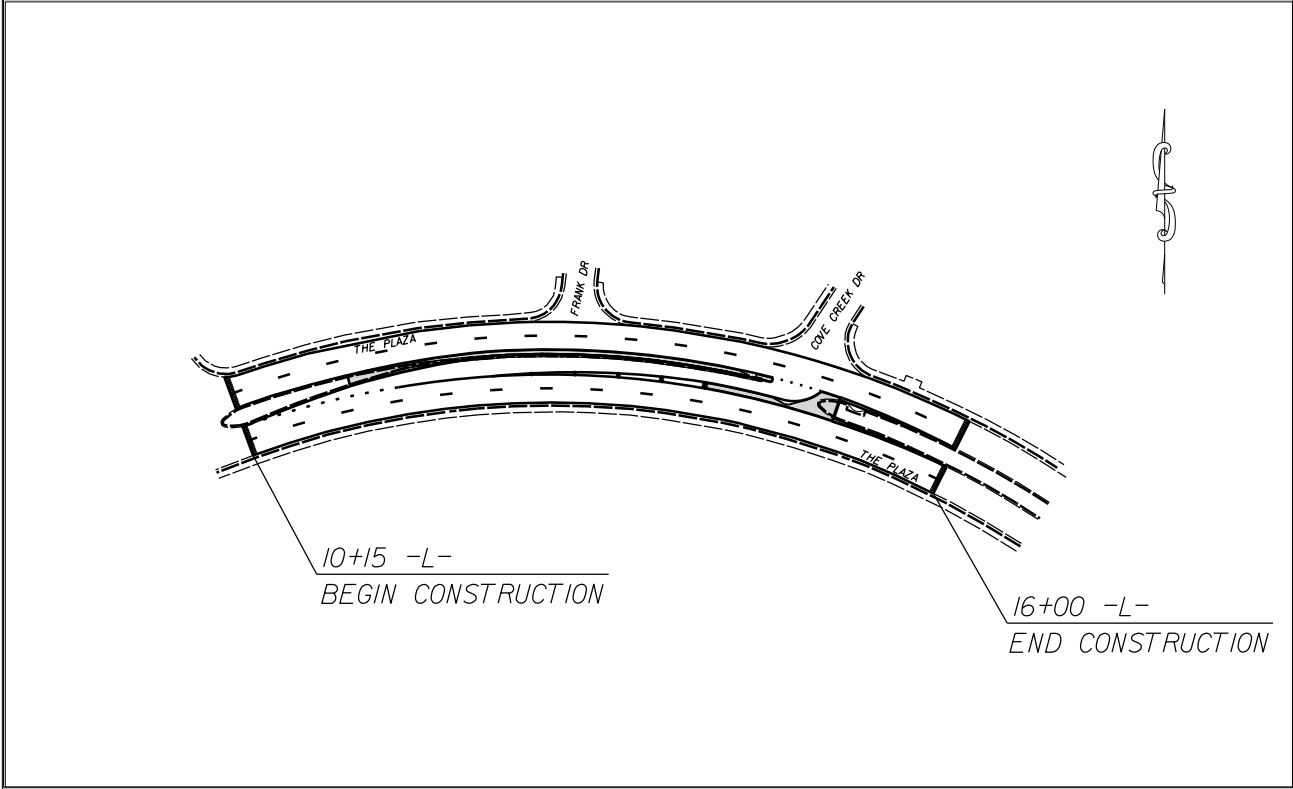
VICINITY MAP NOT TO SCALE

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
MECKLENBURG COUNTY

LOCATION: INTERSECTION OF THE PLAZA (SR-2935)
AND COVECREEK DR

TYPE OF WORK: DRAINAGE, MILLING, PAVING, MONOLITHIC CONCRETE ISLAND,
THERMOPLASTIC PAVEMENT MARKINGS, SIGNING

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	50982.3.8	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50982.1.8	5098203	P.E.	
50982.3.8	5098203	CONST.	



CLEARING ON THIS PROJECT
SHALL BE TO THE LIMITS ESTABLISHED
BY METHOD III AS DESCRIBED IN THE
NCDOT STANDARD DRAWINGS

GRAPHIC SCALES



DESIGN DATA

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

PROJECT LENGTH

LENGTH OF ROADWAY PROJECT 50982.3.8 = 0.11 MILES
TOTAL LENGTH OF STATE PROJECT 50982.3.8 = 0.11 MILES

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

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
N/A

LETTING DATE:
AUGUST 20, 2025

DONALD HARWARD
PROJECT ENGINEER

VITALIY CHEPEL
PROJECT DESIGN ENGINEER



DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

07/22/2025



DocuSigned by:
Travis Prellor
A53C1AC7A1FF47B...
APPROVED BY
DIVISION PROJECT TEAM LEAD
DATE

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS
CONVENTIONAL PLAN SHEET SYMBOLS

PROJECT REFERENCE NO.	SHEET NO.
50982.3B	1A
F.A. PROJECT NO.	5098203

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	-o-o-o-
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	-X-S-X-S-
Potential Contamination Area: Soil	-X-S-X-S-
Known Contamination Area: Water	-X-W-X-W-
Potential Contamination Area: Water	-X-W-X-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	-----E-----
Proposed Temporary Construction Easement	-----E-----
Proposed Temporary Drainage Easement	-----TDE-----
Proposed Permanent Drainage Easement	-----PDE-----
Proposed Permanent Drainage/Utility Easement	-----DUE-----
Proposed Permanent Utility Easement	-----PUE-----
Proposed Temporary Utility Easement	-----TUE-----
Proposed Aerial Utility Easement	-----AUE-----

ROADS AND RELATED FEATURES:

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

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

EXISTING STRUCTURES:

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

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)*	-----P-----
U/G Power Line (SUE - LOS C)*	-----P-----
U/G Power Line (SUE - LOS D)*	-----P-----

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)*	-----T-----
U/G Telephone Cable (SUE - LOS C)*	-----T-----
U/G Telephone Cable (SUE - LOS D)*	-----T-----
U/G Telephone Conduit (SUE - LOS B)*	-----TC-----
U/G Telephone Conduit (SUE - LOS C)*	-----TC-----
U/G Telephone Conduit (SUE - LOS D)*	-----TC-----
U/G Fiber Optics Cable (SUE - LOS B)*	-----T FO-----
U/G Fiber Optics Cable (SUE - LOS C)*	-----T FO-----
U/G Fiber Optics Cable (SUE - LOS D)*	-----T FO-----

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)*	-----W-----
U/G Water Line (SUE - LOS C)*	-----W-----
U/G Water Line (SUE - LOS D)*	-----W-----
Above Ground Water Line	-----A/G Water-----

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)*	-----TV-----
U/G TV Cable (SUE - LOS C)*	-----TV-----
U/G TV Cable (SUE - LOS D)*	-----TV-----
U/G Fiber Optic Cable (SUE - LOS B)*	-----TV FO-----
U/G Fiber Optic Cable (SUE - LOS C)*	-----TV FO-----
U/G Fiber Optic Cable (SUE - LOS D)*	-----TV FO-----

GAS:

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

SANITARY SEWER:

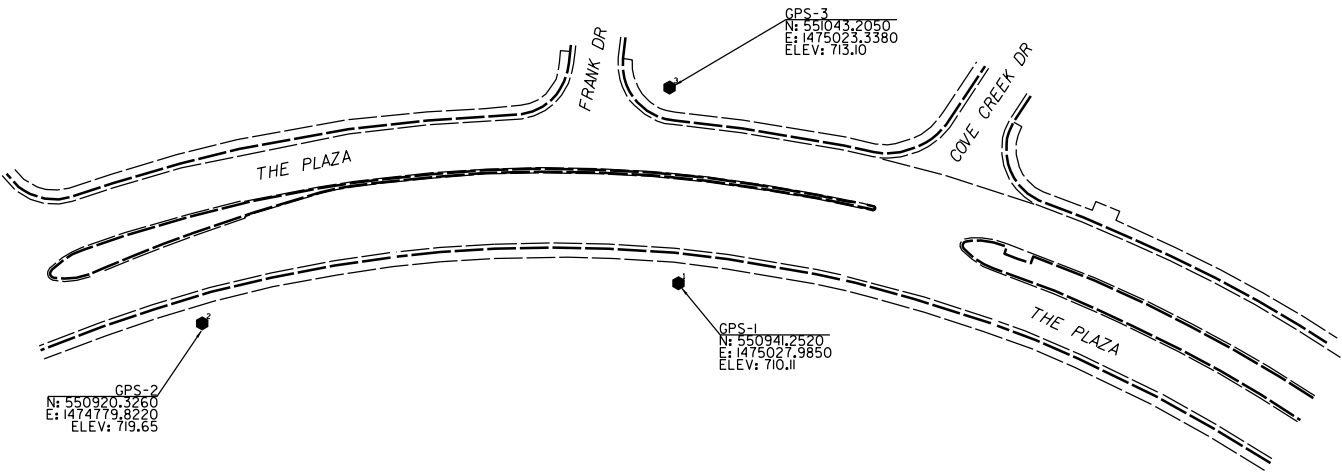
Sanitary Sewer Manhole	-----
Sanitary Sewer Cleanout	-----
U/G Sanitary Sewer Line	-----SS-----
Above Ground Sanitary Sewer	-----A/G Sanitary Sewer-----
SS Force Main Line Test Hole (SUE - LOS A)*	-----
SS Force Main Line (SUE - LOS B)*	-----FSS-----
SS Force Main Line (SUE - LOS C)*	-----FSS-----
SS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

MISCELLANEOUS:

Utility Pole	-----
Utility Pole with Base	-----
Utility Located Object	-----
Utility Traffic Signal Box	-----
Utility Unknown U/G Line (SUE - LOS B)*	-----TUTL-----
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	-----
End of Information	-----E.O.I.-----

SURVEY CONTROL SHEET

PROJECT NO.	SHEET NO.
50982.3.8	1B
F.A. PROJECT NO.	5098203



BL	POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
1			550941.2520	1475027.9850	710.11	13+39.85	49.86 RT
2			550920.3260	1474779.8220	719.65	10+70.68	49.38 RT
3			551043.2050	1475023.3380	713.10	13+25.85	51.23 LT

NOTES :

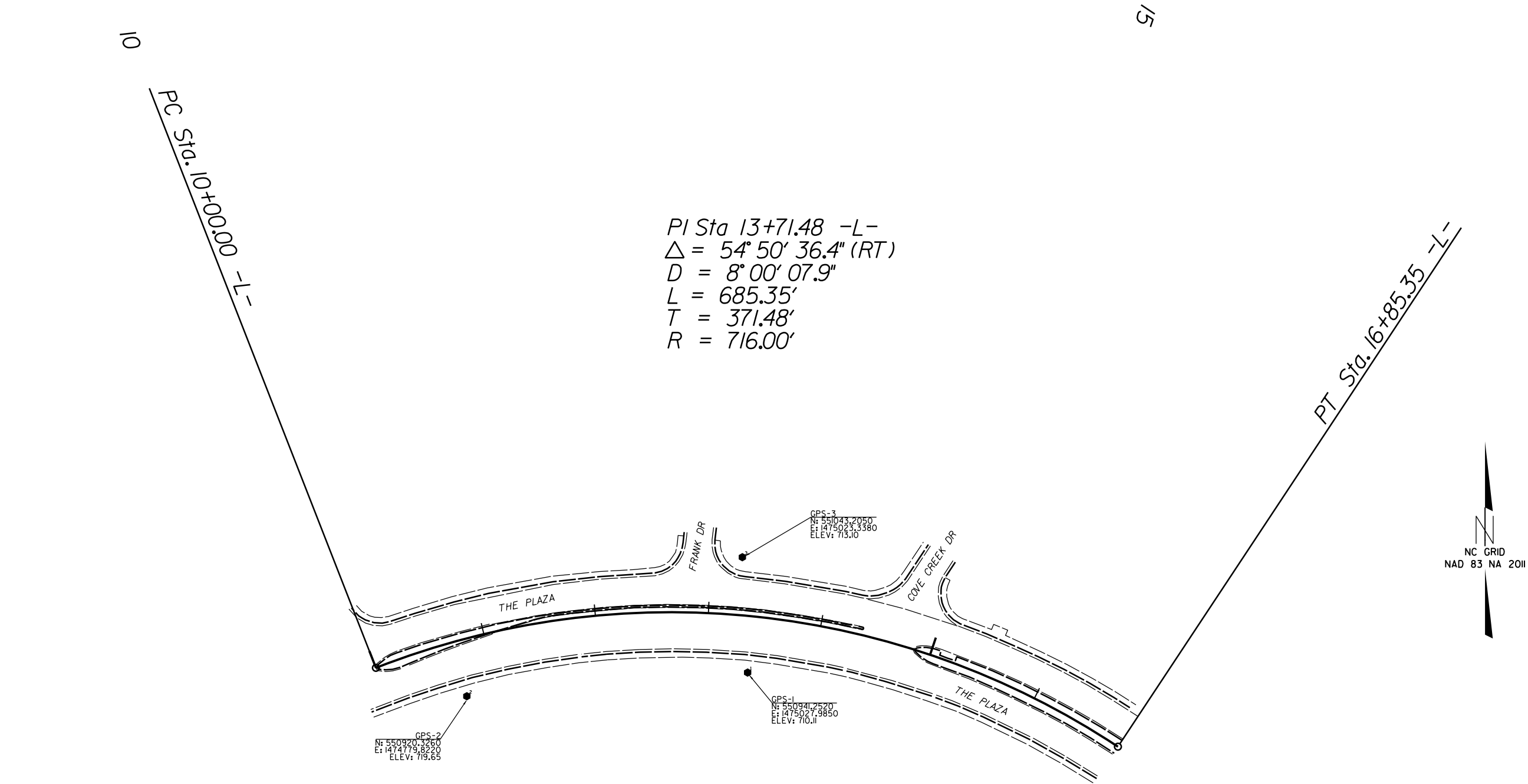
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED BY THE DIVISION IO DDC UNIT.
- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE DIVISION IO DDC UNIT.

DIRECTIONAL CROSSOVER AT THE INTERSECTION
OF THE PLAZA (SR-2935) AND COVECREEK DR

SCALE	1"=50'		REVISIONS	
DATE	7-2025			
DWG. BY	VSC			
DESIGN BY	VSC			
APPROVED	JDH			

PROPOSED ALIGNMENT SHEET

PROJECT NO.	SHEET NO.
50982.3.8	IC
F.A. PROJECT NO.	5098203



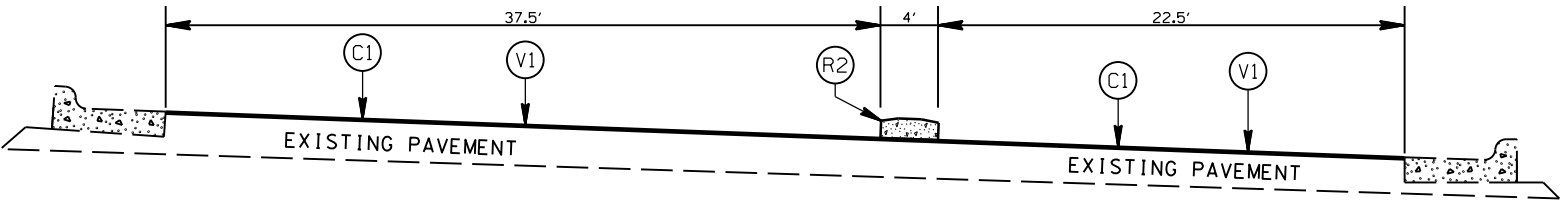
TYPE	STATION	NORTH	EAST
PC	10+00.00	550945.4155	1474699.4720
PT	16+85.35	550875.7165	1475355.2665

NOTES :

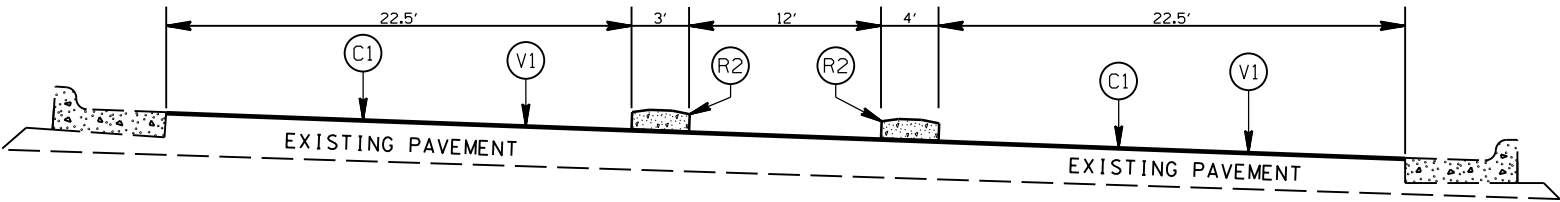
- 1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- 2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED BY THE DIVISION IO DDC UNIT. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE DIVISION IO DDC UNIT.

DIRECTIONAL CROSSOVER AT THE INTERSECTION
OF THE PLAZA (SR-2935) AND COVECREEK DR

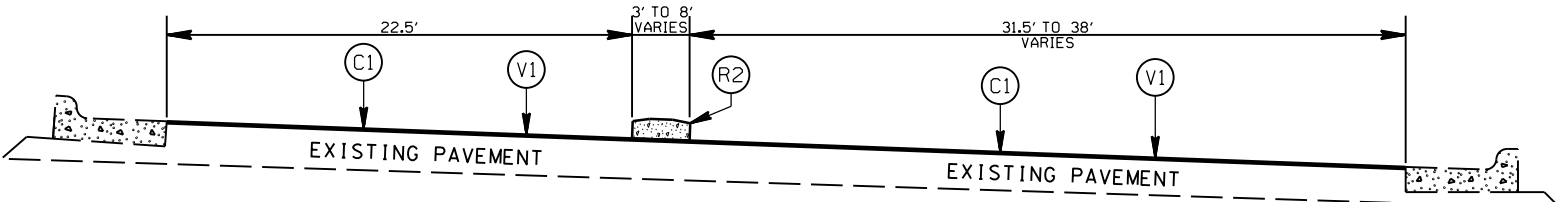
SCALE	1"=50'		REVISIONS	
DATE	7-2025			
DWG. BY	VSC			
DESIGN BY	VSC			
APPROVED	JDH			



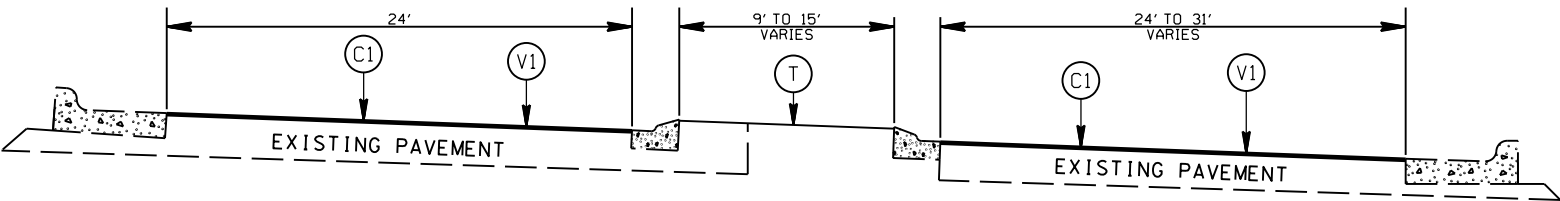
TYPICAL SECTION NO. 4
STA. 14+27.00 TO 14+32.00 -L-



TYPICAL SECTION NO. 3
STA. 13+95.00 TO 14+27.00 -L-
STA. 14+32.00 TO 14+45.00 -L-



TYPICAL SECTION NO. 2
STA. 11+06.92 TO 13+95.00 -L-



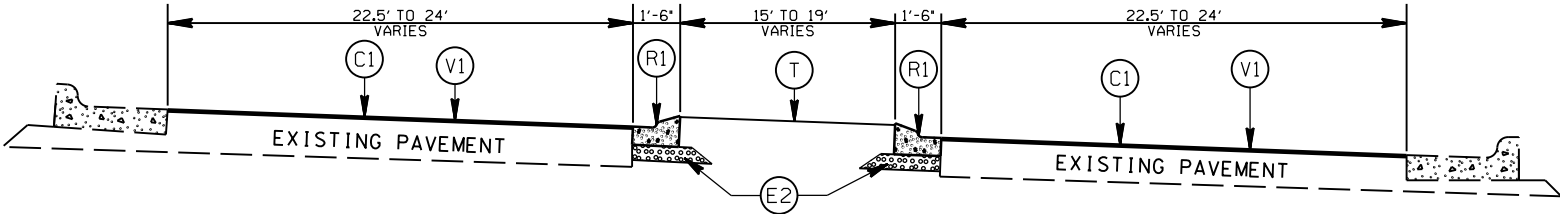
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STA. 10+15.00 TO 11+06.92 -L-

PAVEMENT SCHEDULE

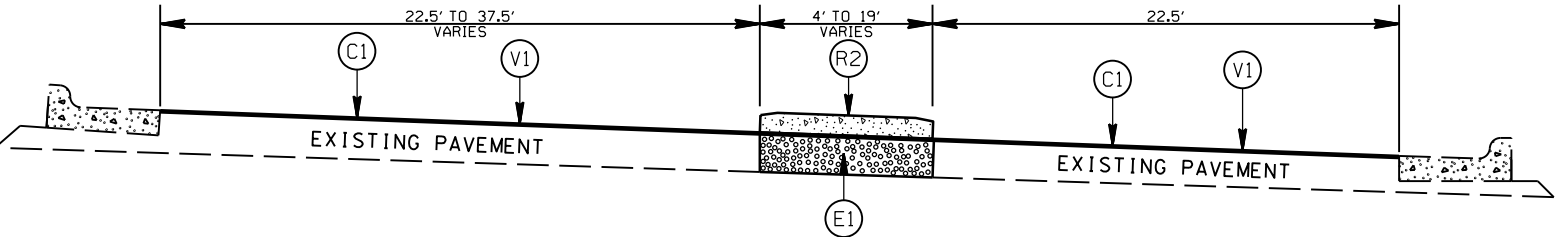
C1	PROP. APPROX. 2" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
D1	PROP. APPROX. 8" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD., IN TWO EQUAL LAYERS
E1	PROP. APPROX. 8" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
E2	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
R1	PROP. 1'-6" CONC. CURB & GUTTER
R2	PROP. 5" MONOLITHIC CONC. ISLAND (SURFACE MOUNTED)
T	EARTH MATERIAL
V1	MILLING ASPHALT PAVEMENT, 2" IN DEPTH

DIRECTIONAL CROSSOVER AT THE INTERSECTION
OF THE PLAZA (SR-2935) AND COVECREEK DR

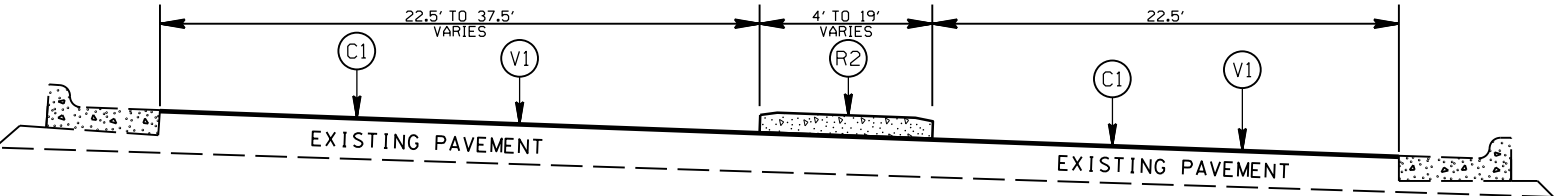
SCALE	N/A		REVISIONS	
DATE	7-2025			
DWG. BY	VSC			
DESIGN BY	VSC			
APPROVED	JDH			



TYPICAL SECTION NO. 7
STA. 15+00.00 TO 16+00.00 -L-



TYPICAL SECTION NO. 6
STA. 14+85.00 TO 15+00.00 -L-



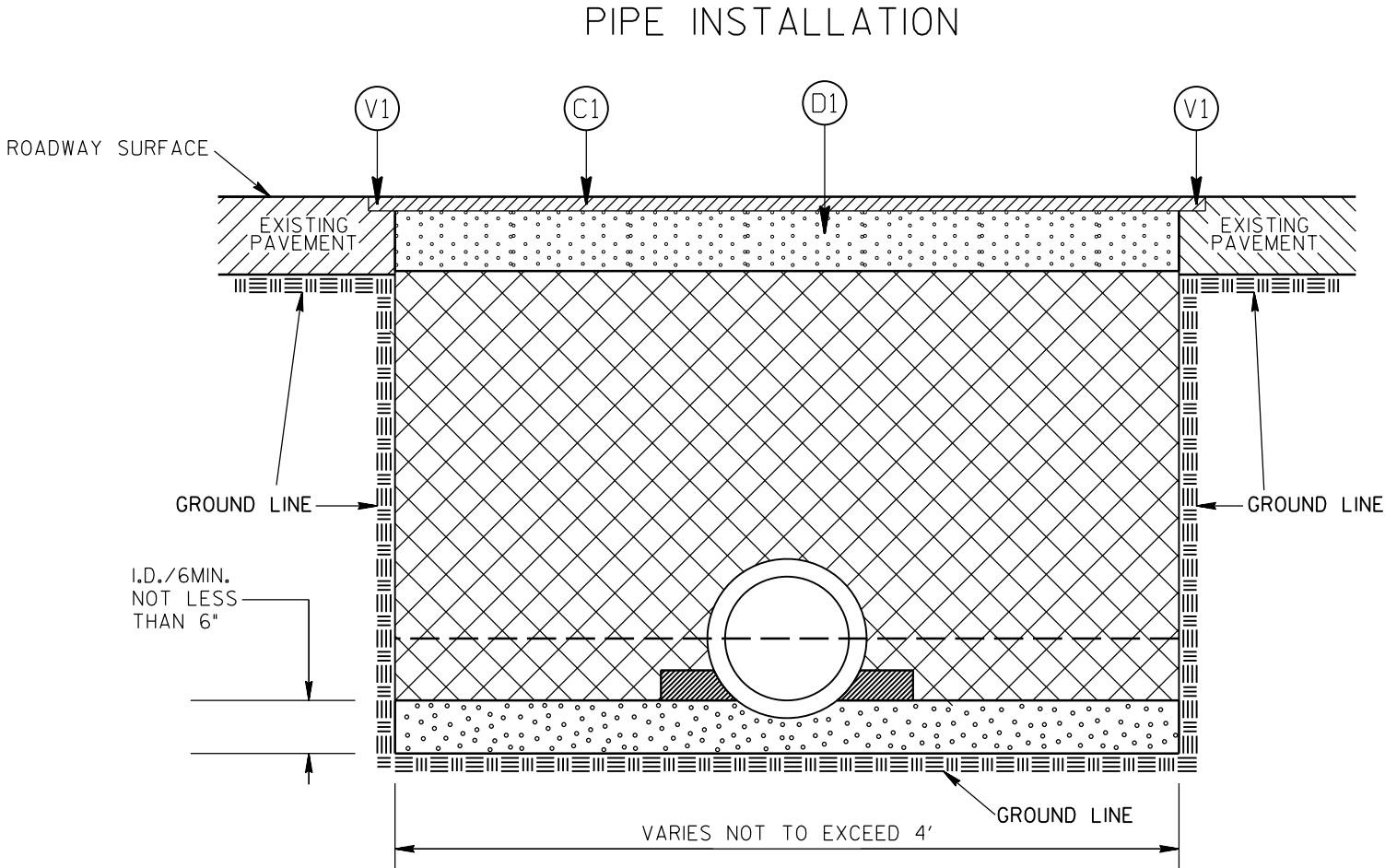
TYPICAL SECTION NO. 5
STA. 14+45.00 TO 14+85.00 -L-

PAVEMENT SCHEDULE

C1	PROP. APPROX. 2" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
D1	PROP. APPROX. 8" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD., IN TWO EQUAL LAYERS
E1	PROP. APPROX. 8" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
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R1	PROP. 1'-6" CONC. CURB & GUTTER
R2	PROP. 5" MONOLITHIC CONC. ISLAND (SURFACE MOUNTED)
T	EARTH MATERIAL
V1	MILLING ASPHALT PAVEMENT, 2" IN DEPTH

DIRECTIONAL CROSSOVER AT THE INTERSECTION
OF THE PLAZA (SR-2935) AND COVECREEK DR

SCALE	N/A		REVISIONS	
DATE	7-2025			
DWG. BY	VSC			
DESIGN BY	VSC			
APPROVED	JDH			



NORMAL EARTH FOUNDATION

GENERAL NOTES:

- SPRINGLINE OF PIPE
- TAKE CARE TO FULLY COMPACT HAUNCH ZONE OF PIPE BACKFILL
- LOOSELY PLACED SELECT MATERIAL CLASS III OR CLASS II, TYPE I FOR PIPE BEDDING. LEAVE SECTION DIRECTLY BENEATH PIPE UNCOMPACTED AS PIPE SEATING AND BACKFILL WILL ACCOMPLISH COMPACTION.
- SELECT GRANULAR MATERIAL CLASS II, TYPE I.
- UNDISTURBED EARTH MATERIAL

PAVEMENT SCHEDULE

C1	PROP. APPROX. 2" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
D1	PROP. APPROX. 8" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD., IN TWO EQUAL LAYERS
E1	PROP. APPROX. 8" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
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T	EARTH MATERIAL
V1	MILLING ASPHALT PAVEMENT, 2" IN DEPTH

DIRECTIONAL CROSSOVER AT THE INTERSECTION
OF THE PLAZA (SR-2935) AND COVECREEK DR

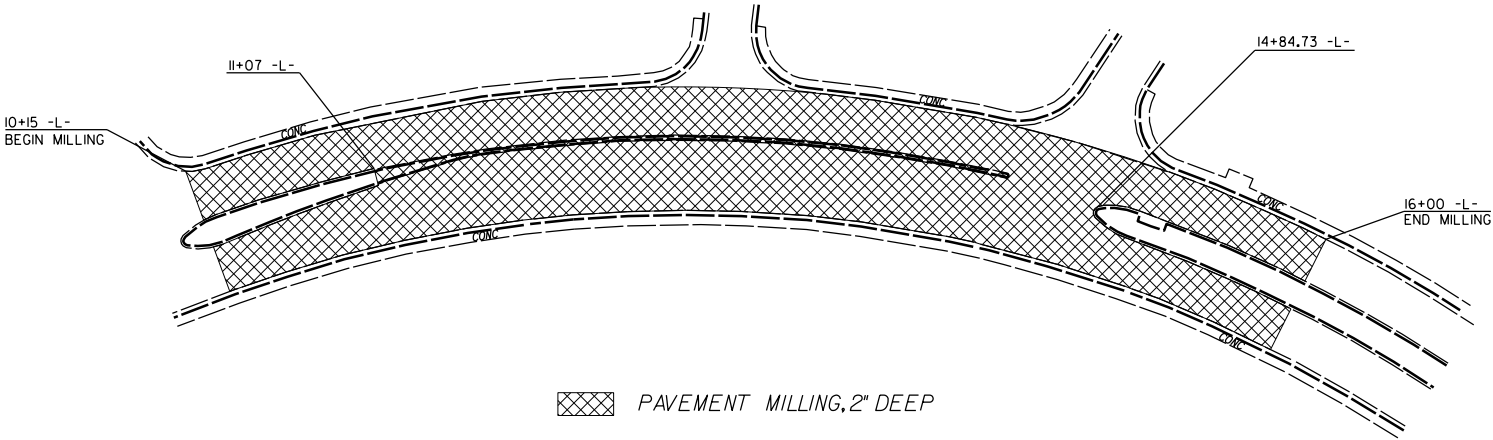
SCALE	N/A		REVISIONS	
DATE	7-2025			
DWG. BY	VSC			
DESIGN BY	VSC			
APPROVED	JDH			

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".

[illegible]

PROJECT NO.	SHEET NO.
50982.3.8	4A
F.A. PROJECT NO. 5098203	

ROADWAY DESIGN
ENGINEER
07/22/2025
SEAL
042673
J. DAVIS
REGISTERED
ENGINEER
ASSOCIATES



DIRECTIONAL CROSSOVER AT THE INTERSECTION
OF THE PLAZA (SR-2935) AND COVECREEK DR

SCALE	1"=50'
DATE	7-2025
DWG. BY	VSC
DESIGN BY	VSC
APPROVED	JDH



REVISIONS	

P:\JULY 2025\JUL25\1633\EROSION\HS-2410G-The Plaza,Cove Creek Dr-EC.tah.dgn
User:VitaliyChepel

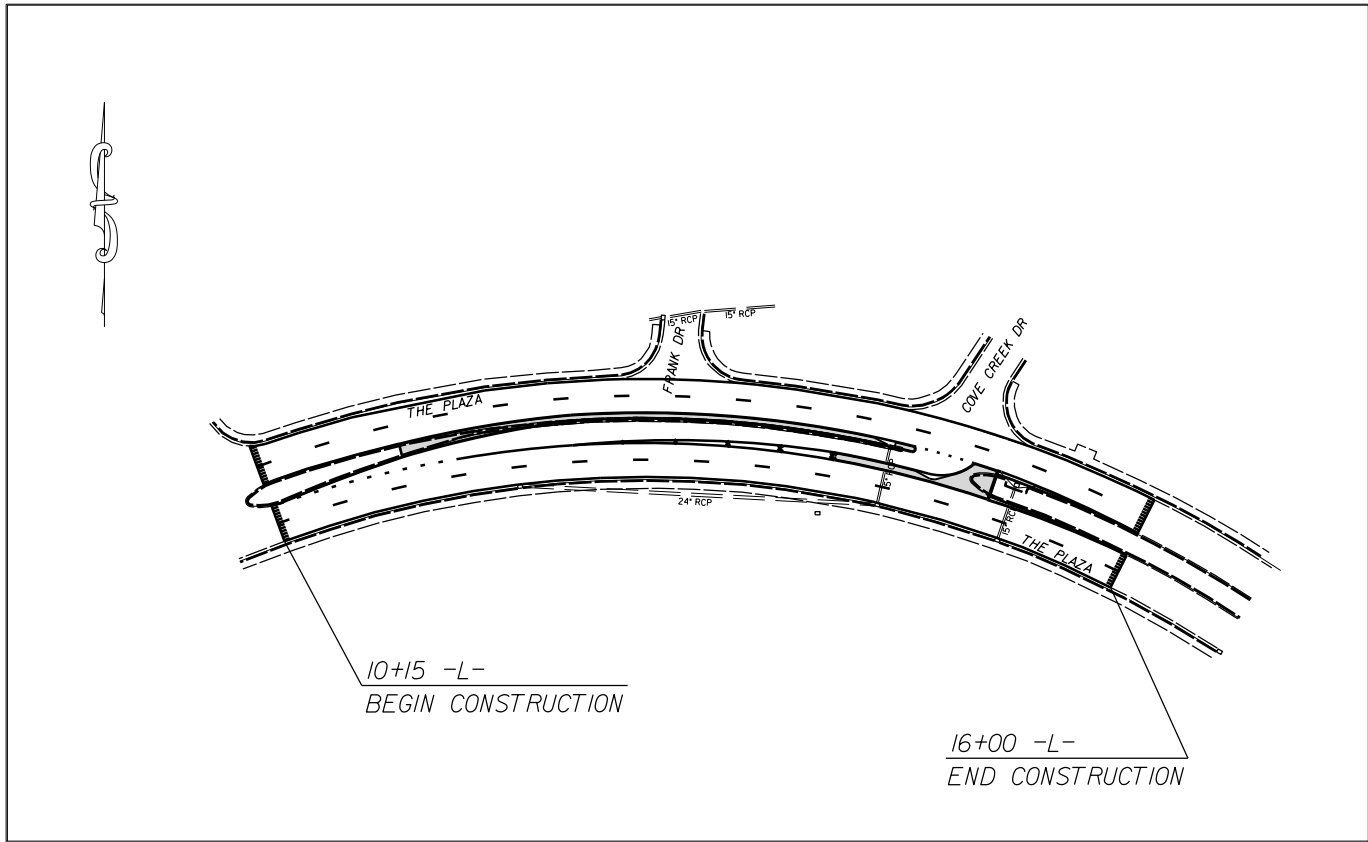
TIP PROJECT: HS-2410G



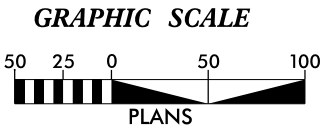
VICINITY MAP
NOT TO SCALE

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

LOCATION: INTERSECTION OF THE PLAZA (SR-2935)
AND COVECREEK DR



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 Trap Type J
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 J
1630.01 Riser Jasin	1634.01 Temporary Rock Sediment Dam Type A
1630.02 Silt Jasin Type J	1634.02 Temporary Rock Sediment Dam Type J
1630.03 Temporary Silt Ditch	1635.01 Rock Pipe Inlet Sediment Trap Type A
1630.04 Stilling Jasin	1635.02 Rock Pipe Inlet Sediment Trap Type J
1630.05 Temporary Diversion	1640.01 Coir Fiber Jaffle
1630.06 Special Stilling Jasin	1645.01 Temporary Stream Crossing
1631.01 Matting Installation	

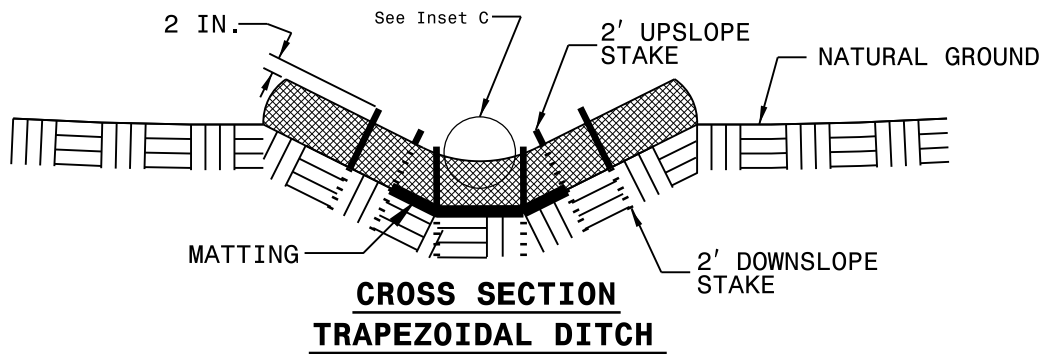
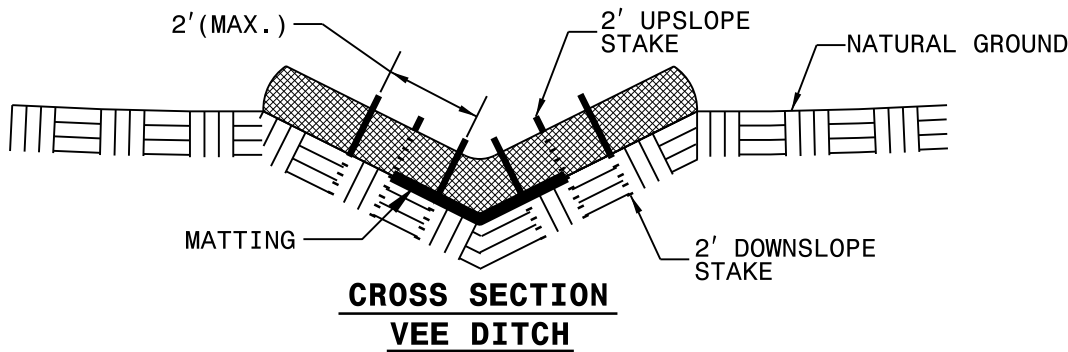
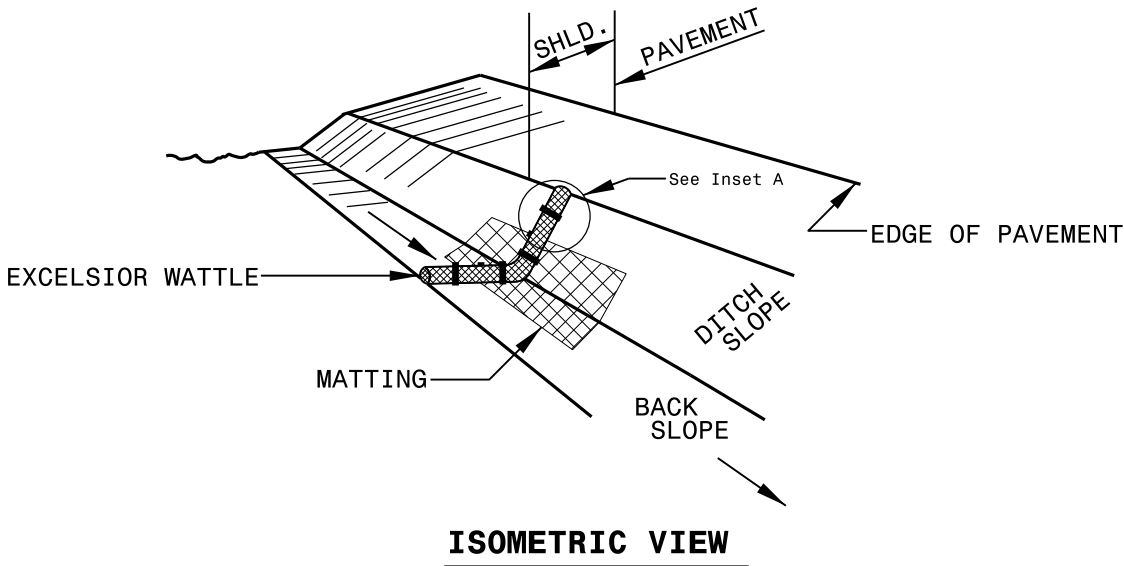
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	50982.3.8	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50982.1.8	5098203	P.E.	
50982.3.8	5098203	CONST.	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	III III III
1606.01	Special Sediment Control Fence	III III III
1622.01	Temporary Berms and Slope Drains	TD
1630.02	Silt Basin Type B	TD
1633.01	Temporary Rock Silt Check Type-A	TD
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	TD
1633.02	Temporary Rock Silt Check Type-B	TD
	Wattle / Coir Fiber Wattle	TD
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	TD
1634.01	Temporary Rock Sediment Dam Type-A	TD
1634.02	Temporary Rock Sediment Dam Type-B	TD
1635.01	Rock Pipe Inlet Sediment Trap Type-A	TD
1635.02	Rock Pipe Inlet Sediment Trap Type-B	TD
1630.04	Stilling Basin	TD
1630.06	Special Stilling Basin	TD
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	TD
	Tiered Skimmer Basin	TD
	Infiltration Basin	TD

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

WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL



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.

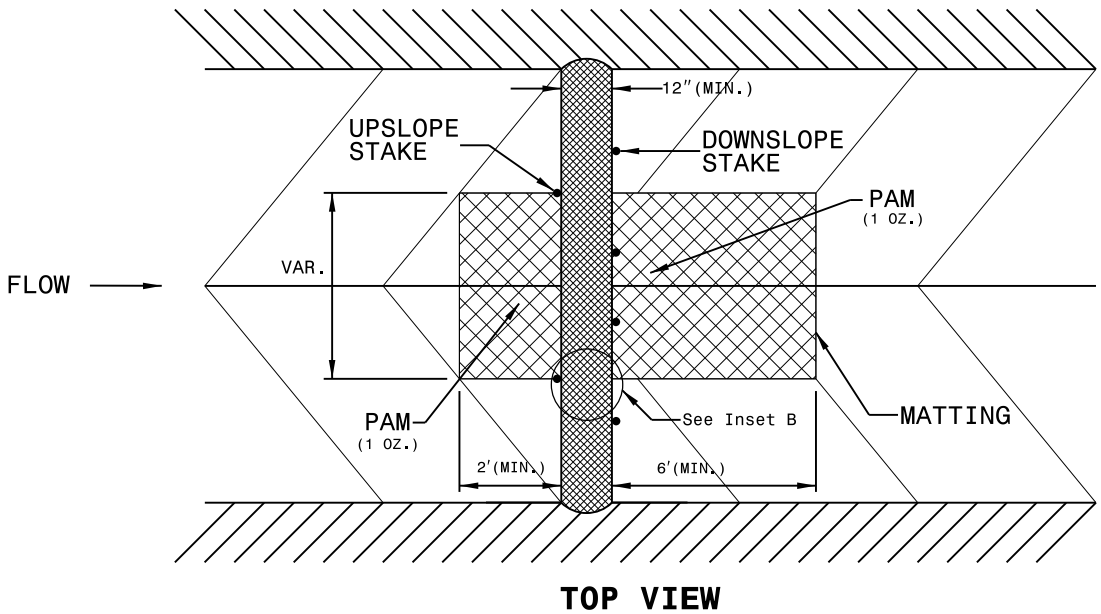
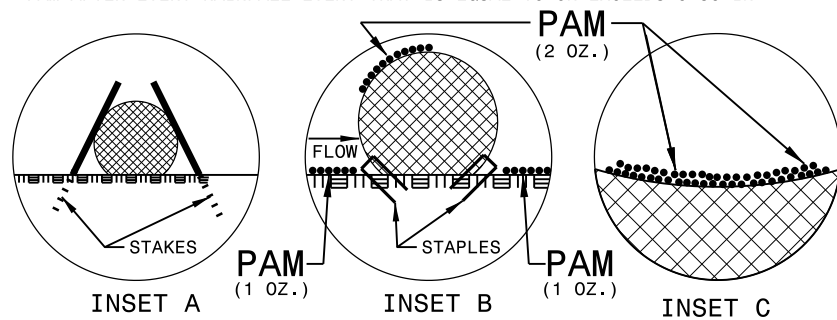
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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

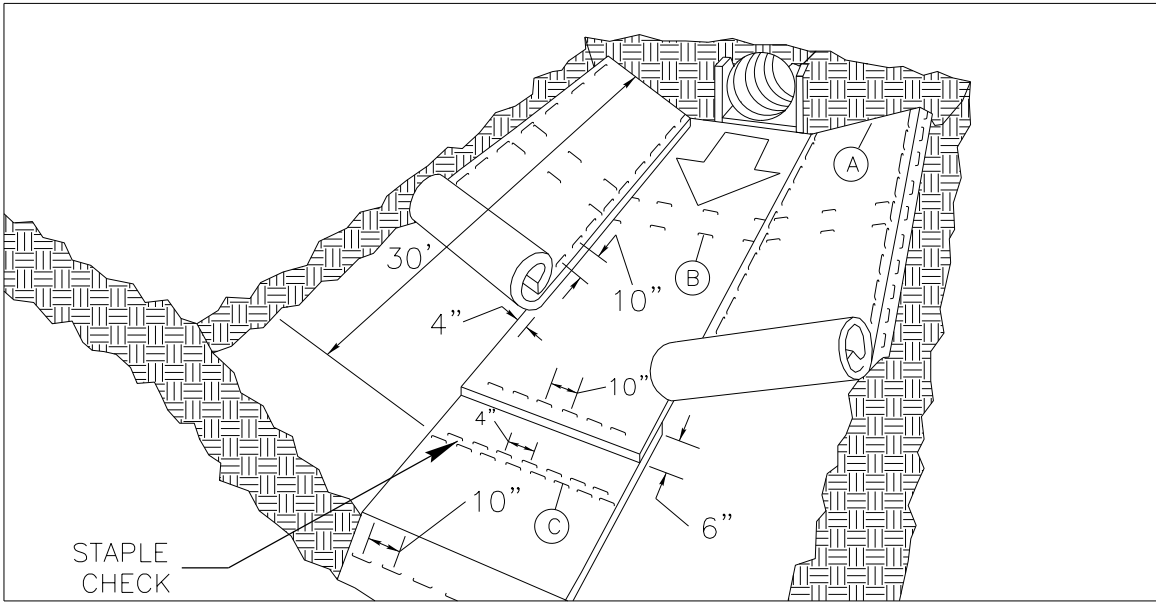
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

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



MATting IN DITCHES

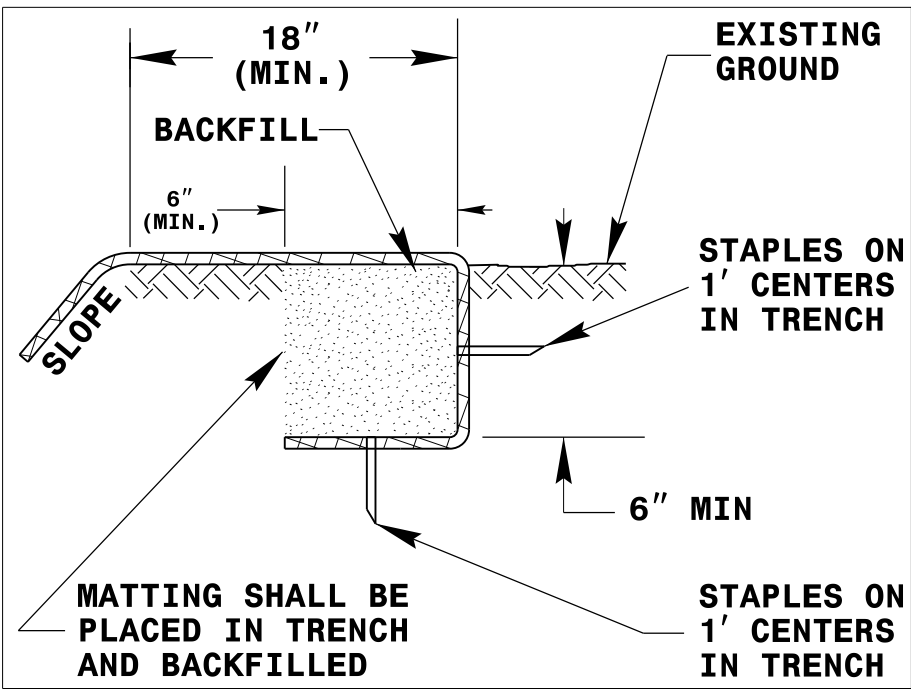
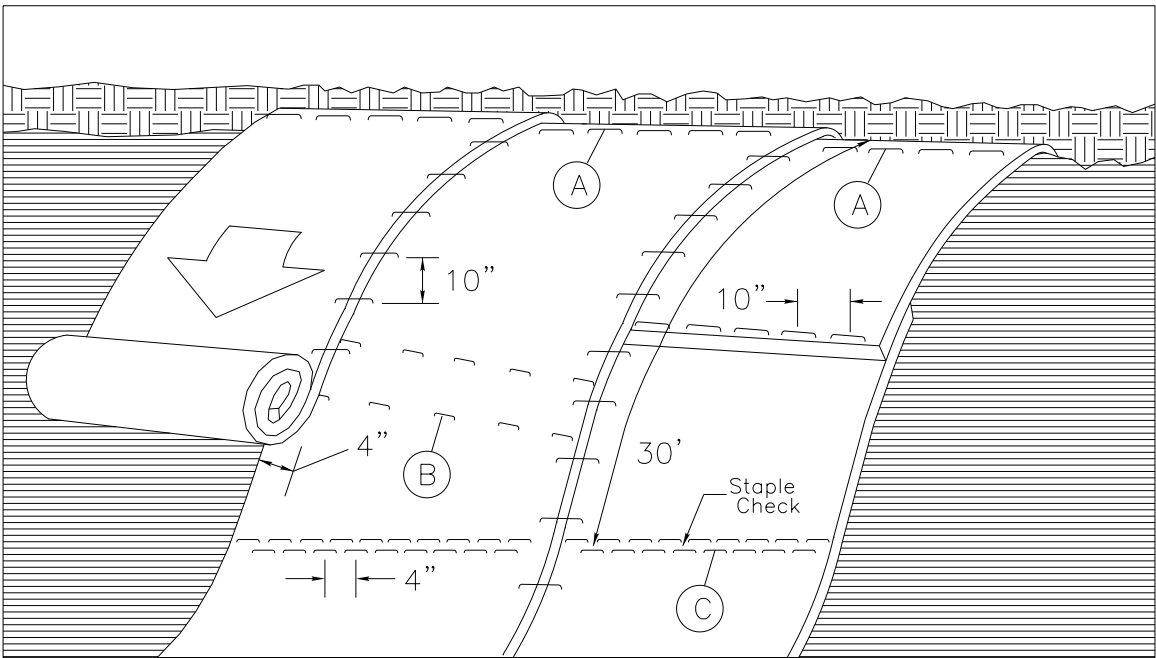


DIAGRAM (A)



MATting ON SLOPES

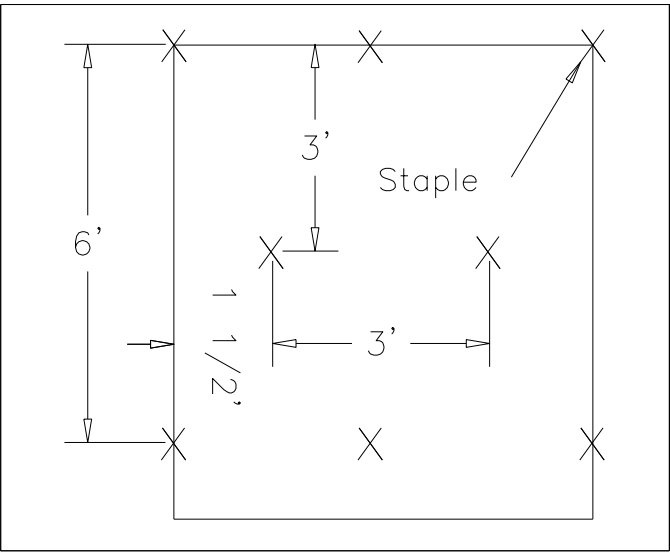


DIAGRAM (B)

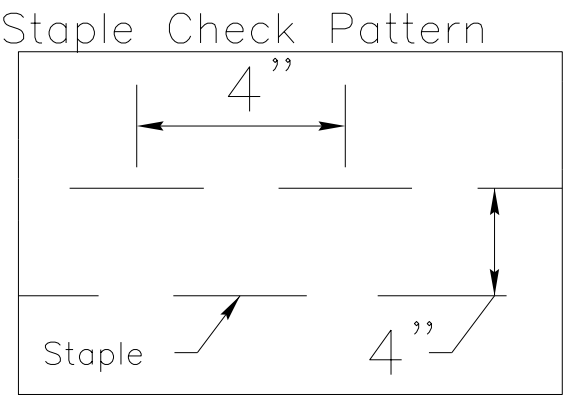


DIAGRAM (C)

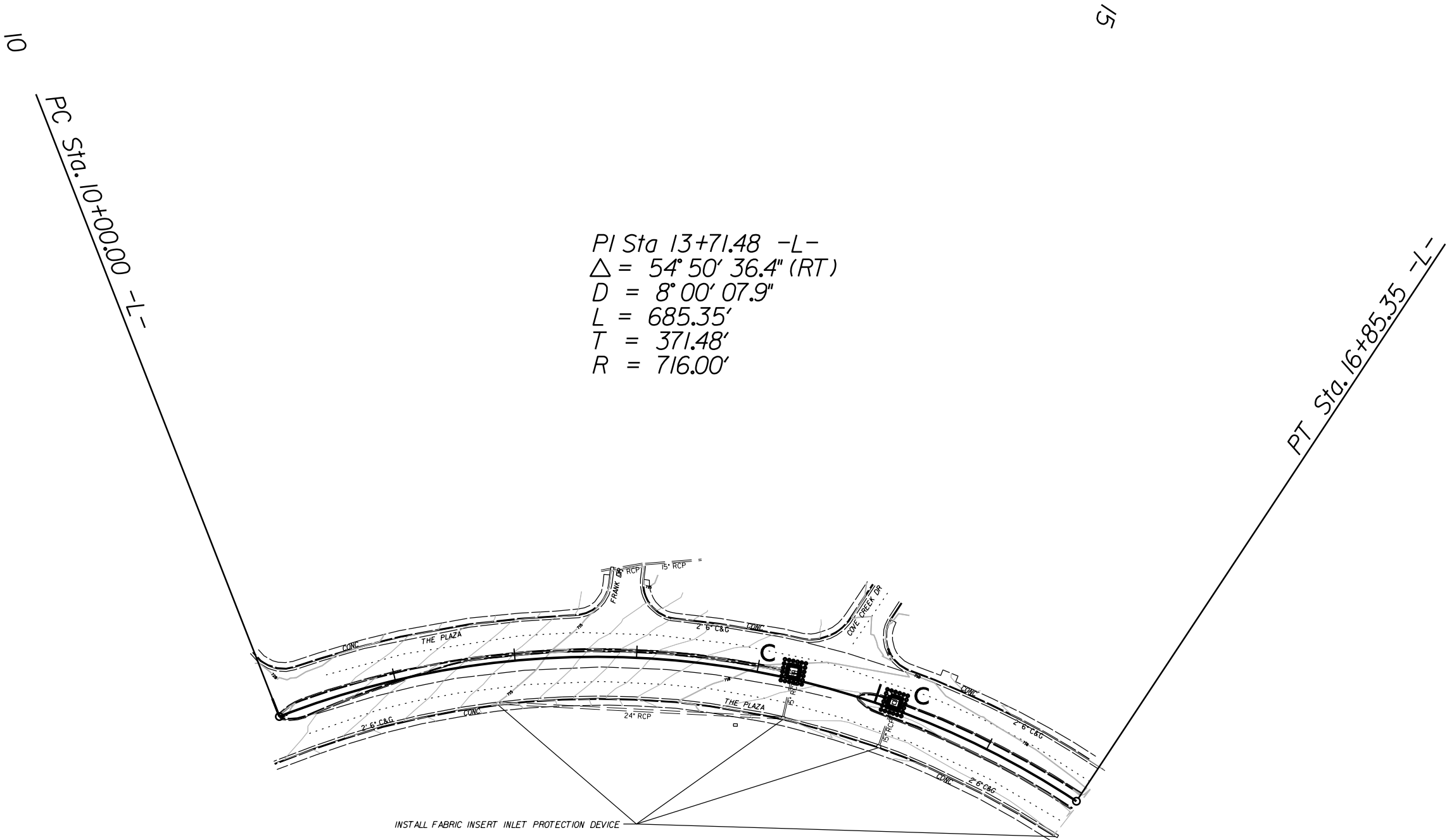
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

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.
50982.3.8	EC-4
F.A. PROJECT NO.	5098203



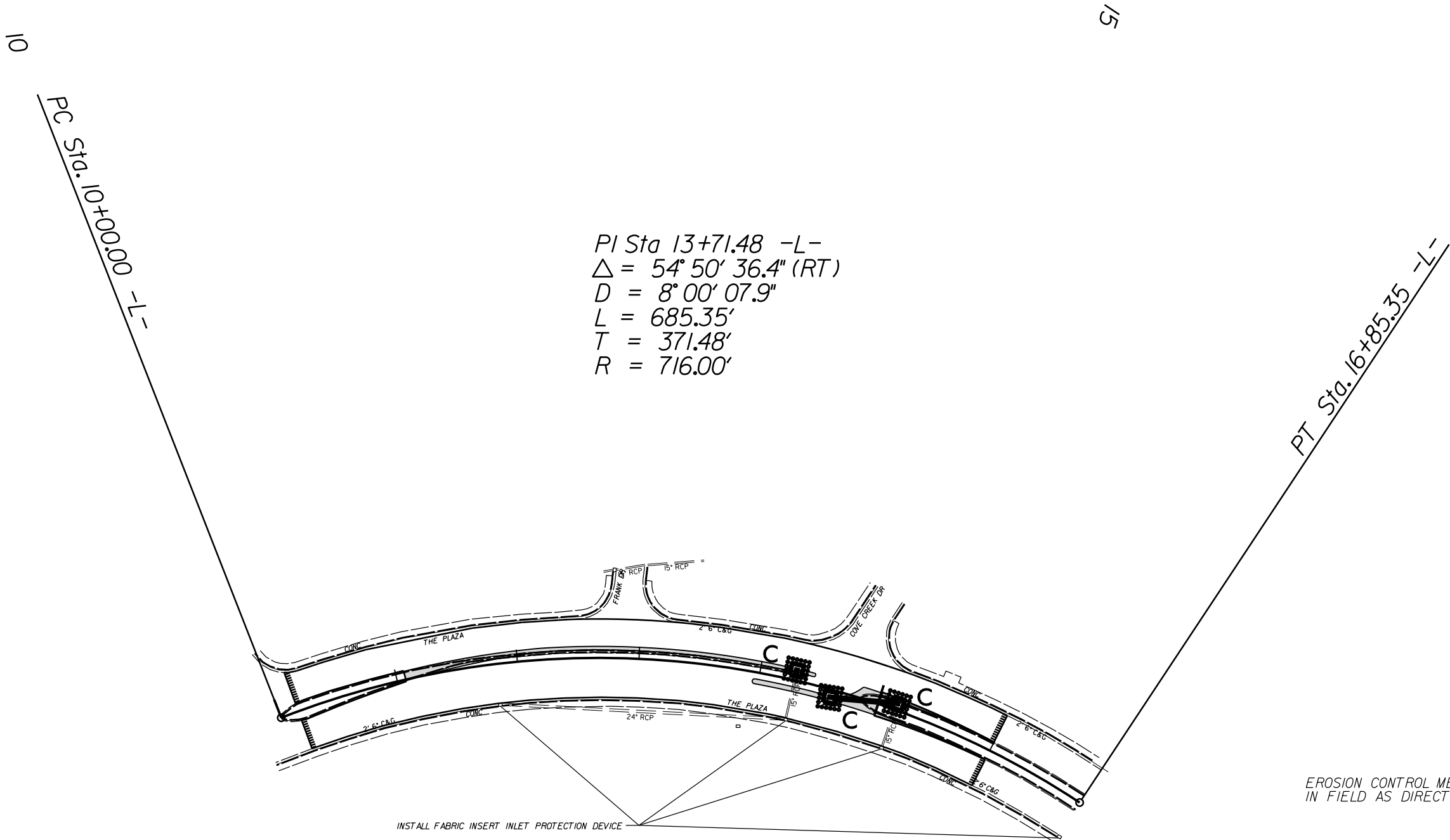
EROSION CONTROL MEASURES MAY BE CHANGED
IN FIELD AS DIRECTED BY THE ENGINEER

DIRECTIONAL CROSSOVER AT THE INTERSECTION
OF THE PLAZA (SR-2935) AND COVECREEK DR

SCALE	1"=50'		REVISIONS	
DATE	7-2025			
DWG. BY	VSC			
DESIGN BY	VSC			
APPROVED	JDH			

CONSTRUCTION PHASE

PROJECT NO.	SHEET NO.
50982.3.8	EC-5
F.A. PROJECT NO.	5098203



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

DIRECTIONAL CROSSOVER AT THE INTERSECTION OF THE PLAZA (SR-2935) AND COVECREEK DR	
SCALE	1"=50'
DATE	7-2025
DWG. BY	VSC
DESIGN BY	VSC
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 GORELINE (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 GORELINE (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)

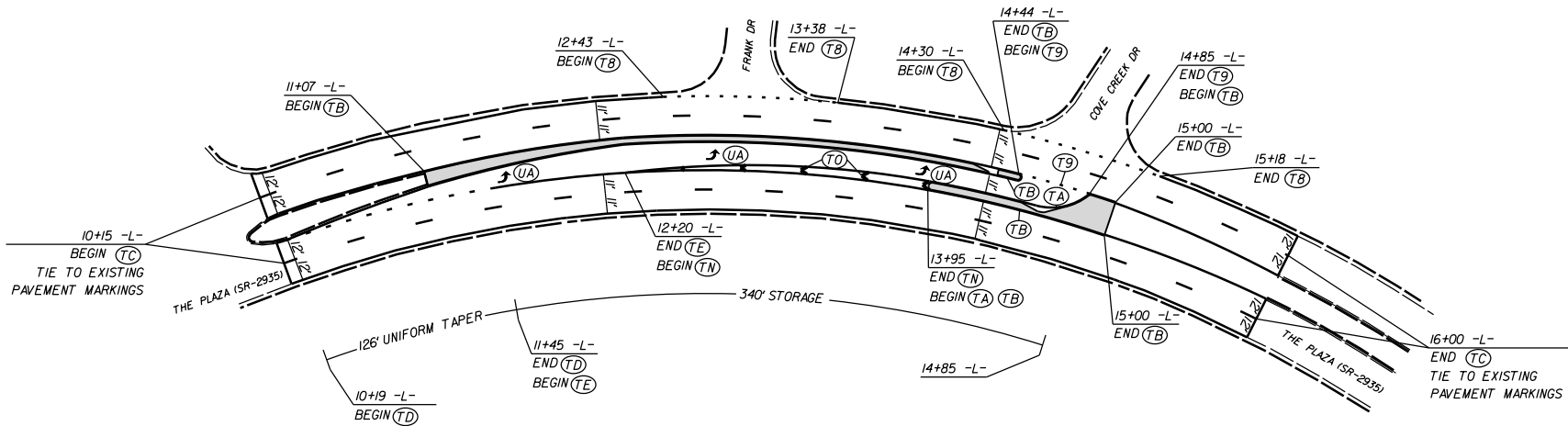
ME - SNOWPLOWABLE MARKER (YELLOW & YELLOW)

MF - SNOWPLOWABLE MARKER (CRYSTAL & RED)

MG - SNOWPLOWABLE MARKER (YELLOW & RED)

ML - PERMANENT RAISED MARKER (CRYSTAL & CRYSTAL)

MO - SNOWPLOWABLE MARKER (CRYSTAL & CRYSTAL)



DIRECTIONAL CROSSOVER AT THE INTERSECTION
OF THE PLAZA (SR-2935) AND COVERCREEK DR

SCALE	1"=50'
DATE	7-2025
DWG. BY	VSC
DESIGN BY	VSC
APPROVED	JDH



REVISIONS	



PROJECT NO.	SHEET NO.
50982.3.8	PMP-1
F.A. PROJECT NO.	5098203
ROADWAY DESIGN ENGINEER	
07/22/2025	
PROFESSIONAL	
SEAL	
042673	
TENN. REG. EX.	
J. D. H. (Signature)	
ASSISTANT ENGINEER	

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
MECKLENBURG COUNTY

LOCATION: INSTALL DIRECTIONAL CROSSOVER ON THE PLAZA AT COVE CREEK DRIVE

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:

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

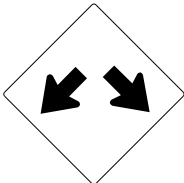
SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4025000000	901	CONTRACTOR FURNISHED, TYPE E SIGN SUPPORTS, 3 LB STEEL U-CHANNEL SIGN ERECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN, D, E OR F	50	S.F.
4072000000	903		100	L.F.
4102000000	904		7	EA.
4155000000	907		2	EA.
4238000000	907		1	EA.

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.

TYPE E SIGNS

401 QUANTITY REQ'D 2  36" X 36" R1-1 ONE "U" POST PER SIGN	402 QUANTITY REQ'D 2  36" X 12" R6-1 (R) MOUNT ABOVE SIGN 401 IN 2 INSTALLATIONS	403 QUANTITY REQ'D 1  36" X 36" R5-1 ONE "U" POST PER SIGN	404 QUANTITY REQ'D 1  36" X 36" W12-1 ONE "U" POST PER SIGN	405 QUANTITY REQ'D 1  30" X 36" R2-1 ONE "U" POST PER SIGN
--	--	--	---	--

PROJECT NOTES

- DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- DISPOSAL OF SIGN, D, E OR F

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET, TYPE E SIGNS
SIGN-2	SIGNING PLAN SHEET

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

HS-2410G

SIGN001

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

DocuSigned by:
Jose G. Martinez
6A7DB418C886461...

APPROVED:

DATE: 04/30/2025

SEAL:

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

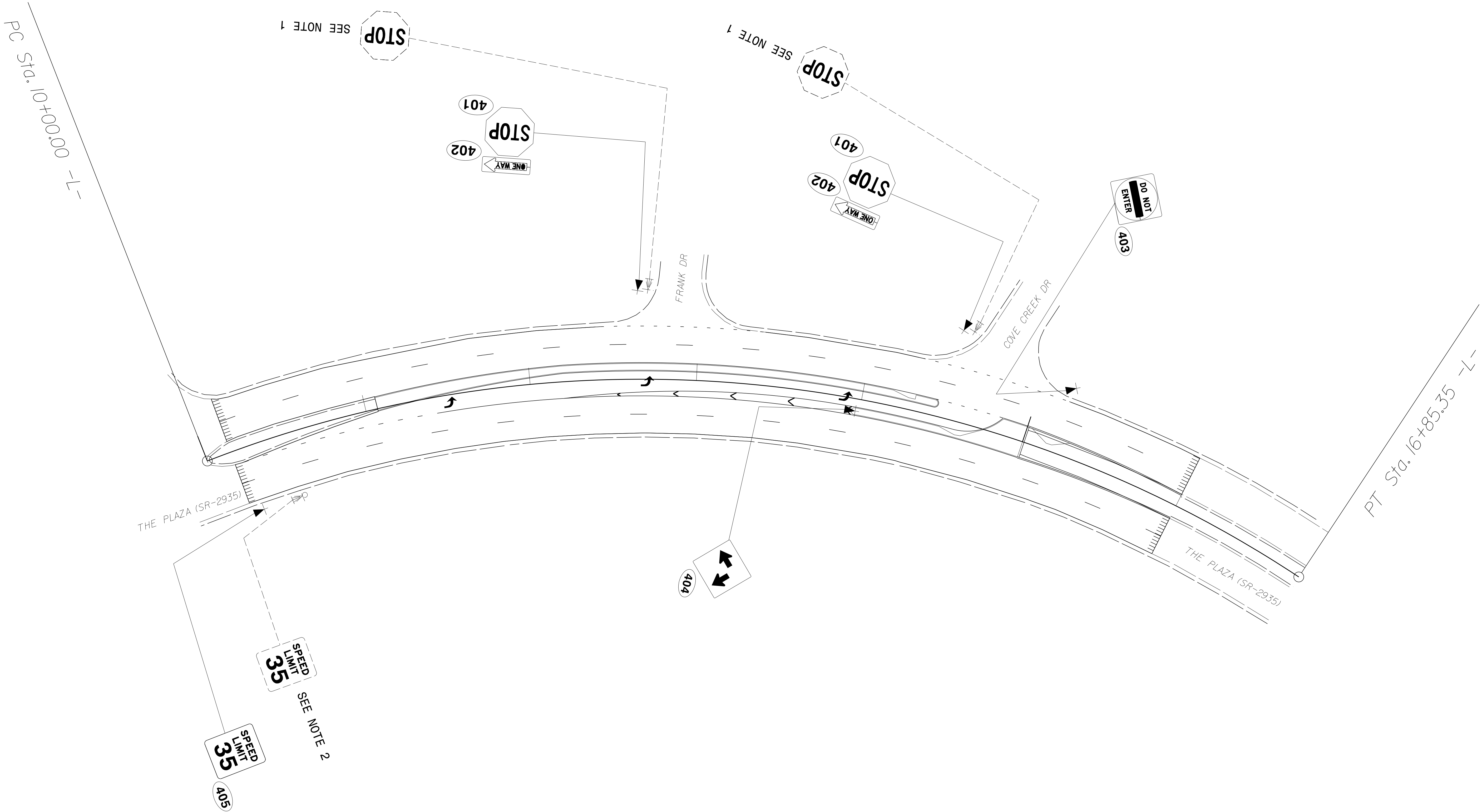
SEAL
046786
ENGINEER
JOSE G. MARTINEZ

INCOMPLETE PLANS
DO NOT BE FOR FIELD CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

HS-2410G



PROJECT NOTES

- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 DISPOSAL OF SIGN, D, E OR F

HS-2410G

SIGN002

NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

DocuSigned by:

APPROVEDJose G. Martinez

4A7D8418C886491...

DATE04/30/2025

SEAL:

NORTH CAROLINA

PROFESSIONAL

SEAL

046786

ENGINEER

JOSE G. MARTINEZ

INCOMPLETE PLANS

DO NOT BE USED FOR CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL

UNLESS ALL SIGNATURES COMPLETED

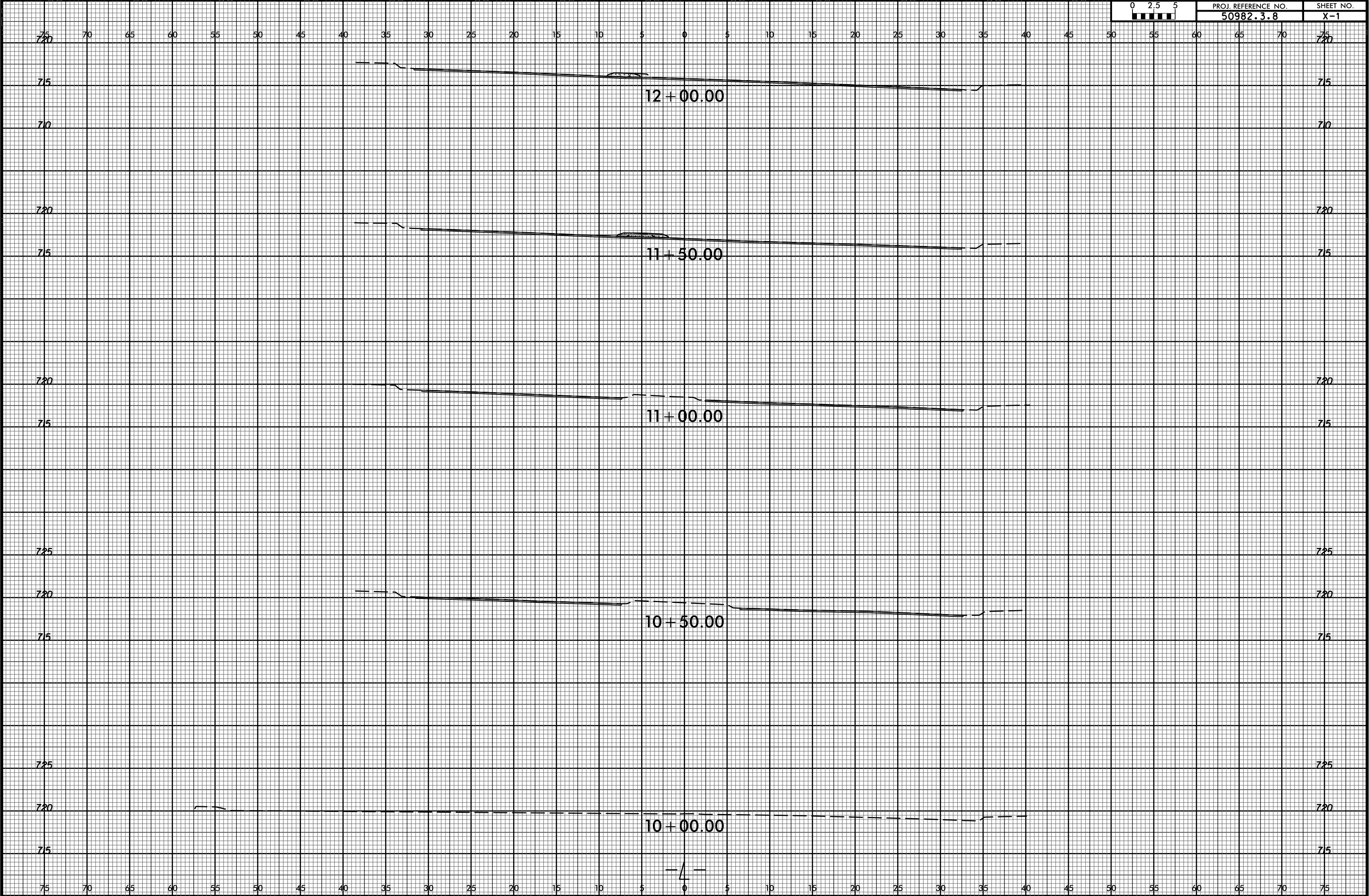
STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED SIGNS

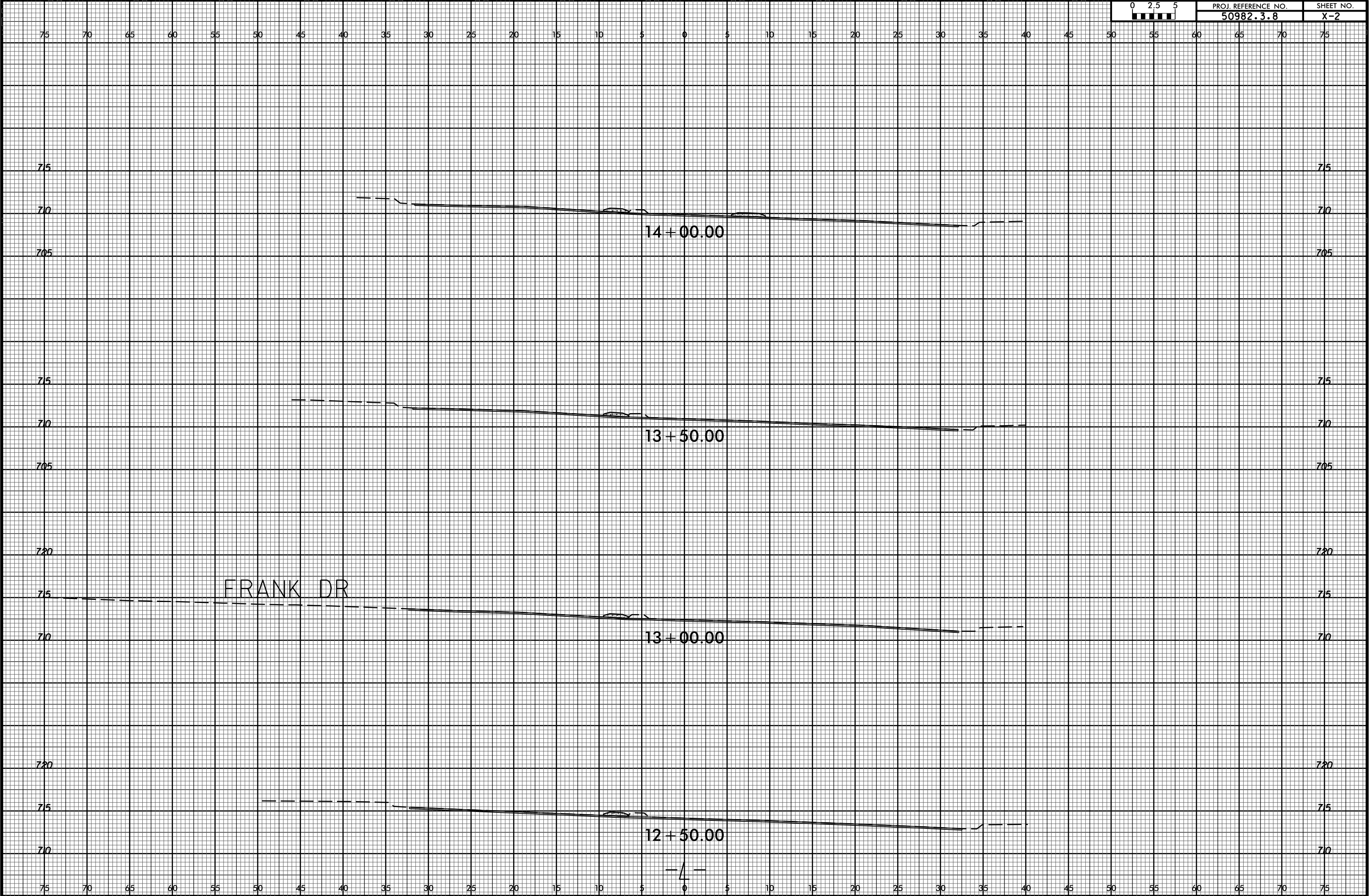
6/23/16

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6/23/16

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6/23/16

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