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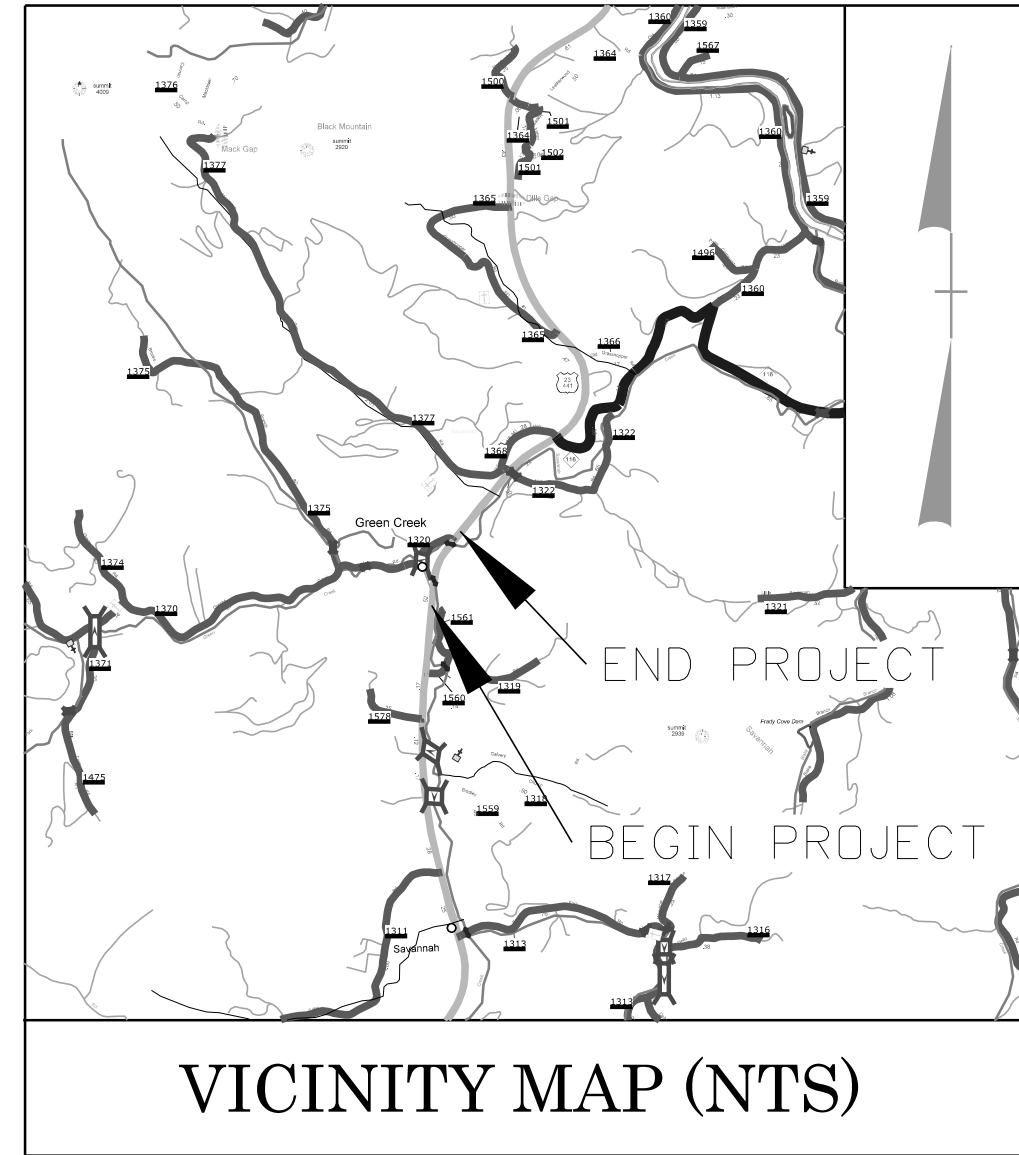
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CONTRACT: DN01142 TIP PROJECT: HS-2414N

CONTRACT: DN01142 TIP PROJECT: HS-2414N

See Sheet 1A For Index of Sheets



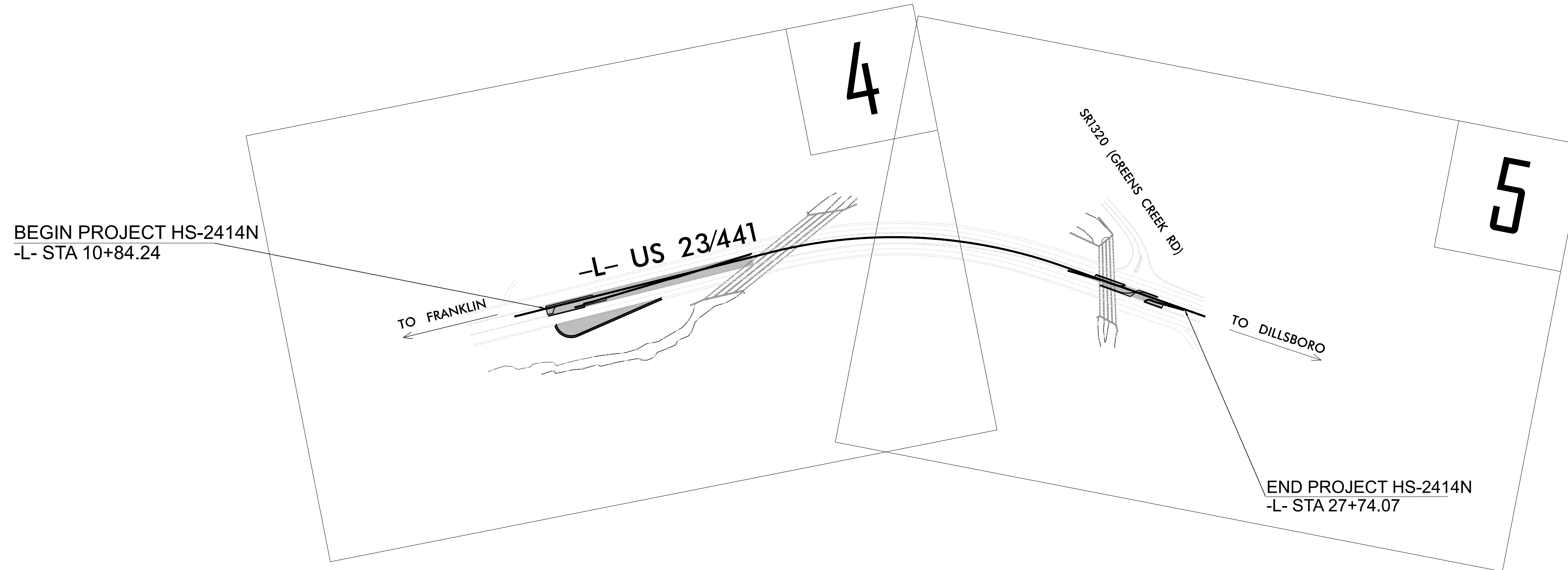
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

JACKSON COUNTY

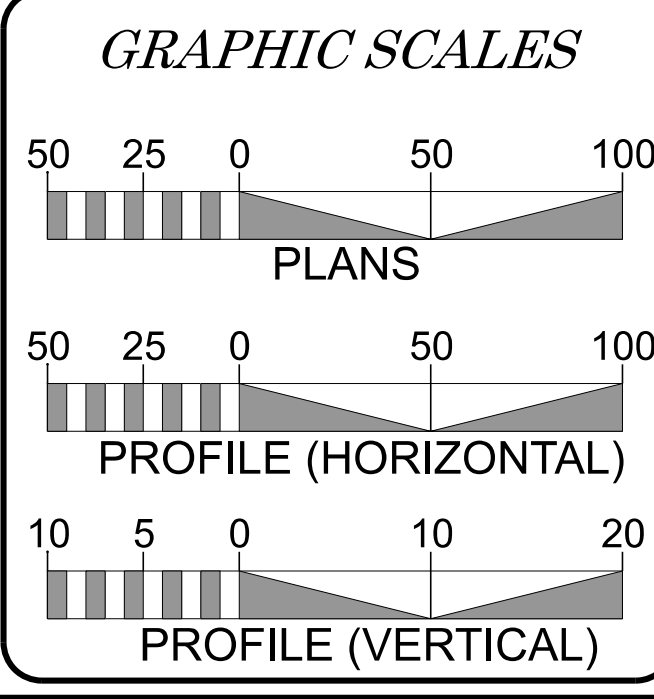
LOCATION: *US 23/441 AT SR1320 (GREENS CREEK ROAD)*

TYPE OF WORK: *GRADING, DRAINING, AND PAVING*

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	HS-2414N	11	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
50986.1.15	5098619	P.E.	
50986.3.15	5098619	CONSTRUCTION	



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



PROJECT LENGTH

LENGTH OF ROADWAY TIP PROJECT HS-2414N = 0.320 MILES  
TOTAL LENGTH OF TIP PROJECT HS-2414N = 0.320 MILES

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
253 WEBSTER DR., Sylva NC, 28779

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:  
N/A

LETTING DATE:  
JUNE 23, 2026

JAMES E HOLLINGSWORTH, PE  
PROJECT ENGINEER

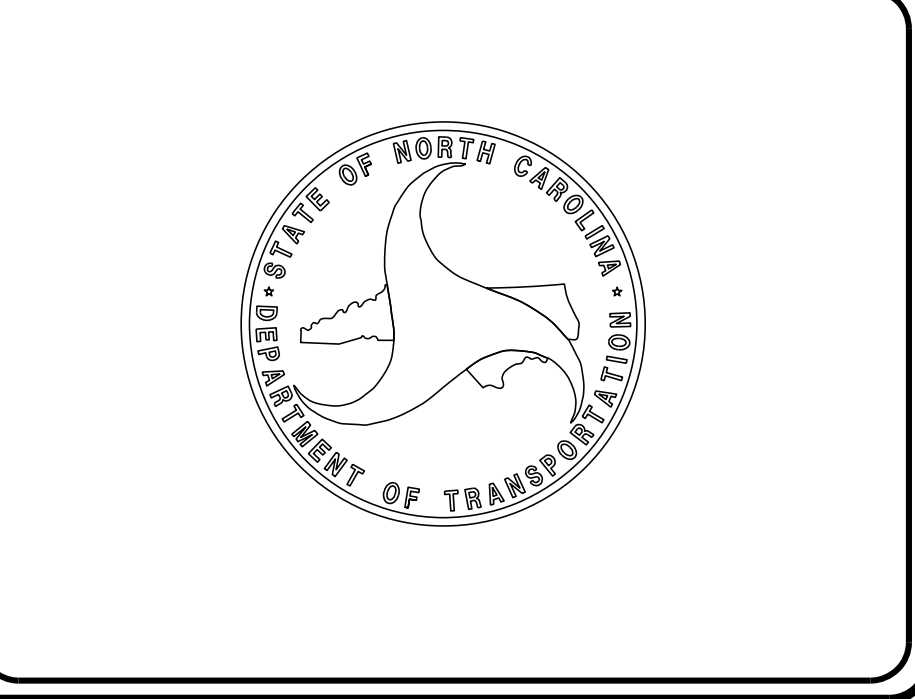
JAMES E HOLLINGSWORTH, PE  
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

DocuSigned by:  
James Hollingsworth  
SIGNATURE: \_\_\_\_\_ P.E.

ROADWAY DESIGN ENGINEER

DocuSigned by:  
James Hollingsworth  
SIGNATURE: \_\_\_\_\_ P.E.



## INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
2A-1 THRU 2A-2	PAVEMENT SCHEDULE AND TYPICAL SECTIONS
2B-1	ROADWAY DETAILS
2C-1 THRU 2C-2	SPECIAL DETAILS
3B-1	ROADWAY SUMMARIES
4 THRU 6	PLAN AND PROFILE SHEETS
R/W-02C-1 THRU R/W-02C-2	SURVEY CONTROL SHEETS
PMP-1 THRU PMP-5	PAVEMENT MARKING PLANS
EC-1 THRU EC-5	EROSION CONTROL PLANS
SIGN-1 THRU SIGN-5	SIGNING PLANS
X-1 THRU X-11	CROSS-SECTIONS

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

## GRADING AND SURFACING OR RESURFACING AND WIDENING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. WHERE NO GRADE LINES ARE SHOWN, THE PROFILES SHOWN DENOTE THE TOP ELEVATION OF THE EXISTING PAVEMENT ALONG THE CENTER LINE OF SURVEY ON WHICH THE PROPOSED RESURFACING WILL BE PLACED. GRADE LINES MAY BE ADJUSTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

## SHOULDER CONSTRUCTION:

ASPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01

## STAGING

## PHASE 1:

COMPLETE STEP 1 WITHIN 63 CALENDAR DAYS. SEE INTERMEDIATE CONTRACT TIME 1 AND LIQUIDATED DAMAGES.

STEP 1: CONSTRUCT TURN LANE AND OTHER MEDIAN IMPROVEMENTS FROM  
-L- STATION 10+84.24 THRU 16+32.12.

COMPLETE STEP 2 WITHIN 28 CALENDAR DAYS. SEE INTERMEDIATE CONTRACT TIME 2 AND LIQUIDATED DAMAGES.

STEP 2: CONSTRUCT BULB OUT LOCATION STATION -L- STATION 10+95.19 THRU 13+79.02.

## PHASE 2:

COMPLETE PHASE 2 WITHIN 28 CALENDAR DAYS. SEE INTERMEDIATE CONTRACT TIME 3 AND LIQUIDATED DAMAGES.

CONSTRUCT ALL WORK FROM -L- STATION 24+57.62 THRU 27+74.07.

EFF. 08-11-2025

REV. 11-26-2025

## 2024 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Contracts Standards and Development Unit - N. C. Department of Transportation - Raleigh, N. C., Dated January 16, 2024 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO.	TITLE
DIVISION 2 - EARTHWORK	
225.01	Guide for Grading Subgrade - Interstate and Freeway
225.03	Deceleration and Acceleration Lanes
225.05	Method of Obtaining Superelevation - Divided Highways
225.06	Method of Grading Sight Distance at Intersections
DIVISION 3 - PIPE CULVERTS	
300.01	Method of Pipe Installation (Use Details in Lieu of Standards for Sheets 1 and 2 of 2)
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS	
560.01	Method of Shoulder Construction - High Side of Superelevated Curve - Method I
DIVISION 6 - ASPHALT BASES AND PAVEMENTS	
654.01	Pavement Repairs
DIVISION 8 - INCIDENTALS	
840.18	Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe
840.22	Frames and Wide Slot Sag Grates
840.27	Brick Grated Drop Inlet Type 'B' - 12" thru 36" Pipe
840.45	Precast Drainage Structure
840.72	Pipe Collar
852.01	Concrete Islands
DIVISION 11 - WORK ZONE TRAFFIC CONTROL	
1101.01	Work Zone Advance Warning Signs
1101.02	Temporary Lane Closures
1101.03	Temporary Road Closures
1101.04	Temporary Shoulder Closures
1101.05	Work Zone Vehicle Accesses
1101.06	Warning Signs for Blasting Zones
1101.11	Traffic Control Design Tables
1110.01	Stationary Work Zone Signs
1110.02	Portable Work Zone Signs
1115.01	Flashing Arrow Boards
1130.01	Drums
1135.01	Cones
1145.01	Barricades - Type III
1150.01	Flaggers
1160.01	Temporary Crash Cushion - Reflective End Treatment
1165.01	Truck Mounted Attenuator
1170.01	Portable Concrete Barrier
1180.01	Skinny Drums

Note: Not to Scale

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

HS-2414N  
IB

### BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin (EIP)	○ EIP
Computed Property Corner	×
Existing Concrete Monument (ECM)	□ ECM
Parcel / Sequence Number	⑫③
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	---WLB---
Proposed Wetland Boundary	---WLB---
Existing Endangered Animal Boundary	---EAB---
Existing Endangered Plant Boundary	---EPB---
Existing Historic Property Boundary	---HPB---
Known Contamination Area: Soil	---S---S---
Potential Contamination Area: Soil	---S---S---
Known Contamination Area: Water	---W---W---
Potential Contamination Area: Water	---W---W---
Contaminated Site: Known or Potential	☠️ ?

### BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	○ S
Well	○ W
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	---WLB---
Proposed Lateral, Tail, Head Ditch	---FLDM---
False Sump	◇

### RAILROADS:

Standard Gauge	-----
RR Signal Milepost	○ MILEPOST 35
Switch	□ 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	-----
Permanent 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	□ CB
Paved Ditch Gutter	-----
Storm Sewer Manhole	○ S
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:

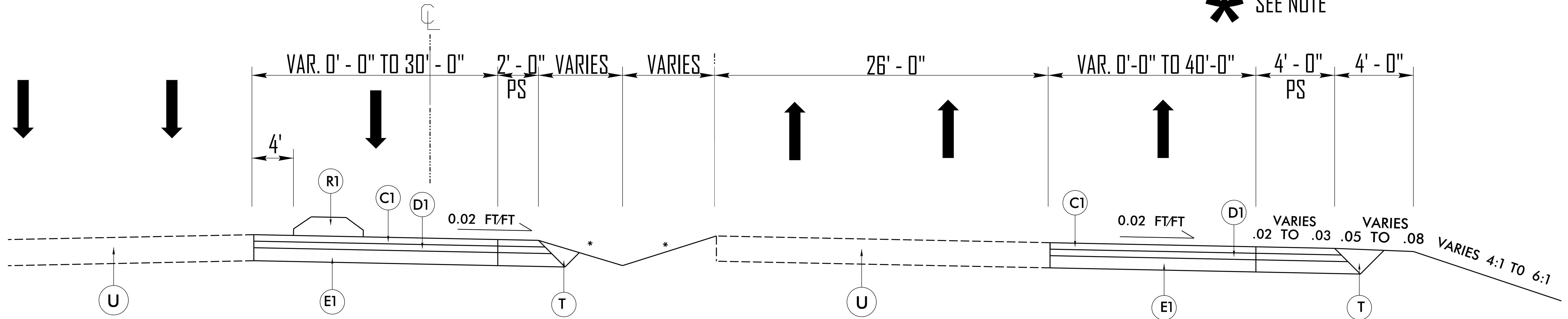
Sanitary Sewer Manhole	⊙
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	-----
Above Ground Sanitary Sewer	-----
SS Force Main Line Test Hole (SUE - LOS A)*	⊙
SS Force Main Line (SUE - LOS B)*	-----
SS Force Main Line (SUE - LOS C)*	-----
SS Force Main Line (SUE - LOS D)*	-----

### 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	AATUR
End of Information	E.O.I.

-L- (US 23/441)

\* SEE NOTE



\* VARIABLE, SEE XSC

TYPICAL SECTION NO. 1

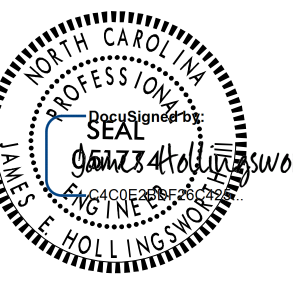
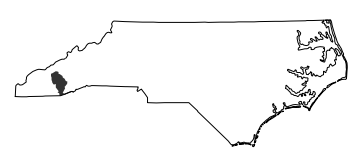
-L- STA. 10+84.24 THRU 16+32.12

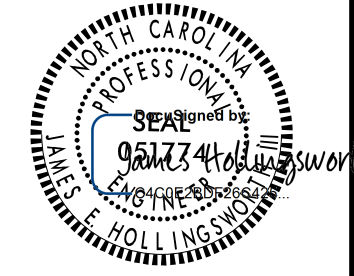
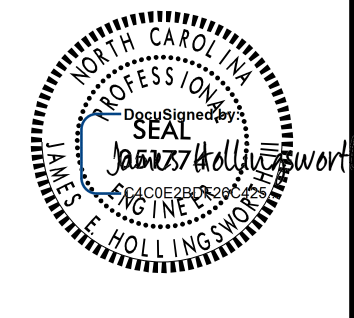
\* U-TURN BULB OUT -L- STA. 10+95.19 THRU 13+79.02

NOTE: 5" MONOLITHIC CONCRETE ISLANDS VARIES IN WIDTH AND LOCATION  
SEE PLANS FOR ACTUAL LOCATIONS

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D1	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
E1	PROP. APPROX. 7" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 798 LBS. PER SQ. YD.
J	PROP. 8" AGGREGATE BASE COURSE
R1	5" MONOLITHIC CONCRETE ISLAND (SURFACE MOUNTED)
R2	5" MONOLITHIC CONCRETE ISLAND (KEYED IN)
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V1	1.5" PAVEMENT REMOVAL

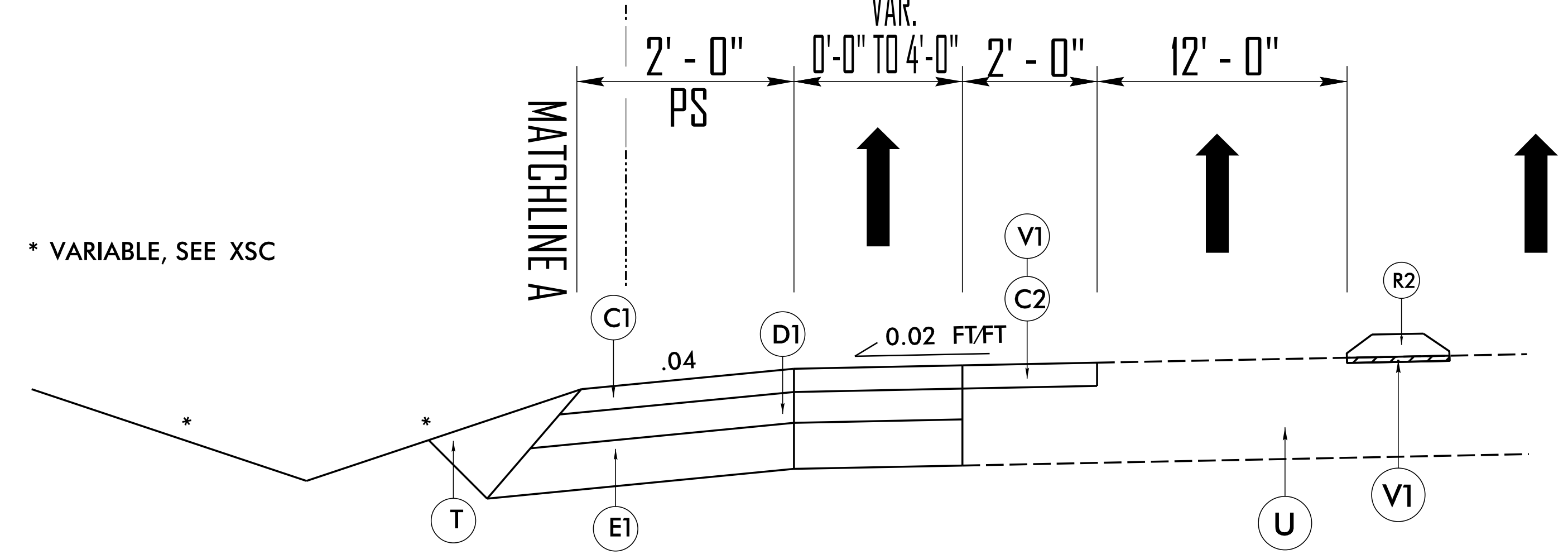
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.





**NORTHBOUND LANES**

-L- (US 23/441)



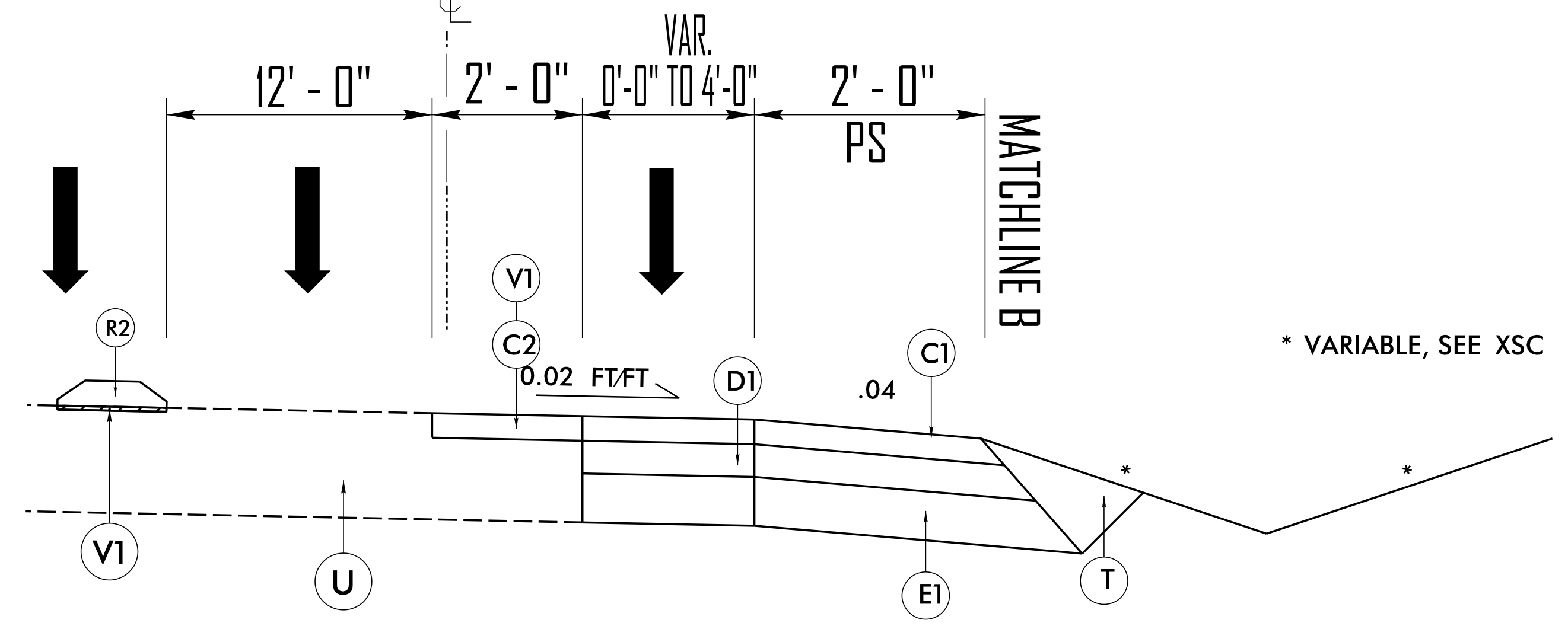
\* VARIABLE, SEE XSC

**TYPICAL SECTION NO. 2**

-L- STA. 24+57.62 THRU 26+38.00

**SOUTHBOUND LANES**

-L- (US 23/441)

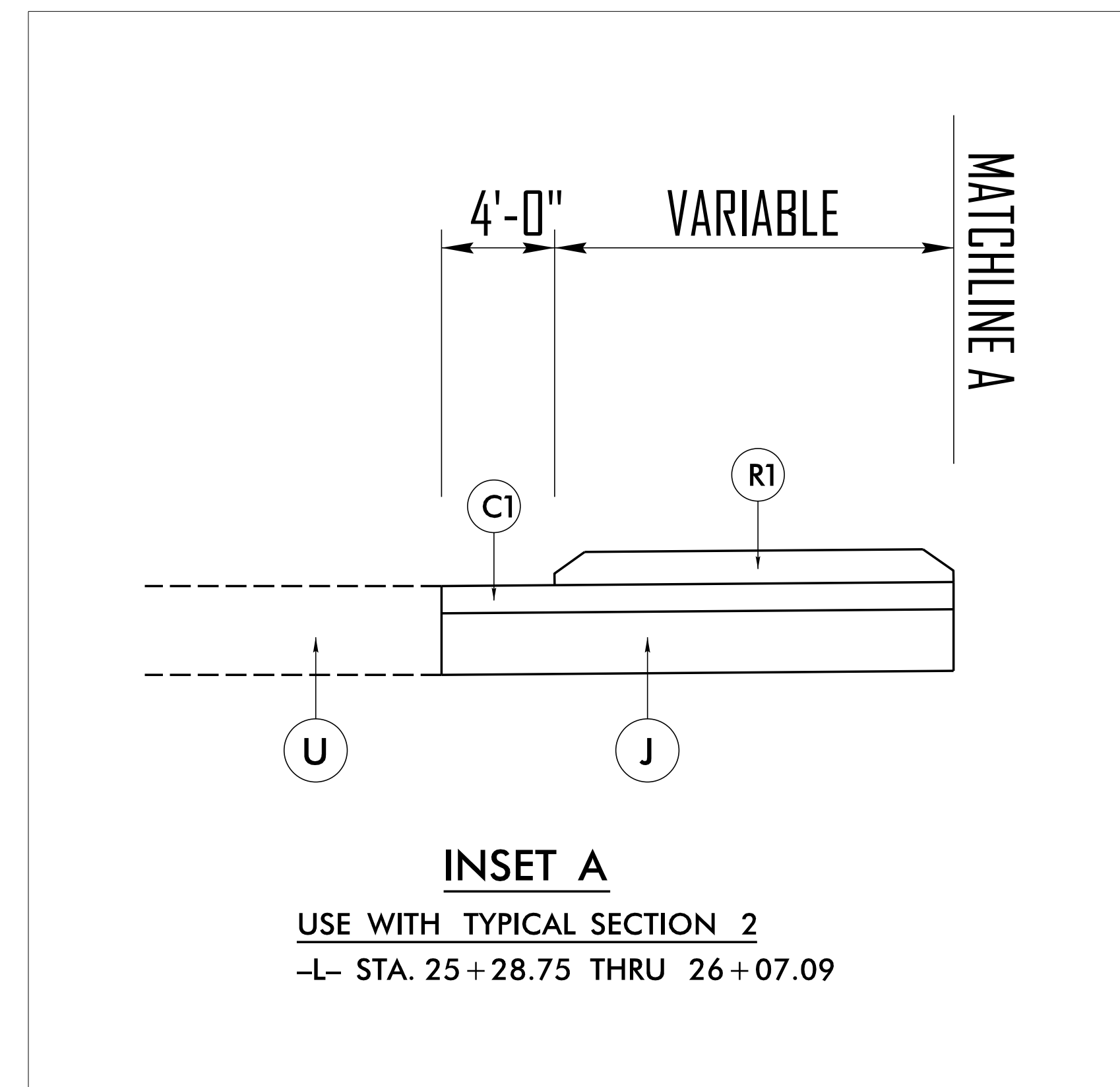


\* VARIABLE, SEE XSC

**TYPICAL SECTION NO. 3**

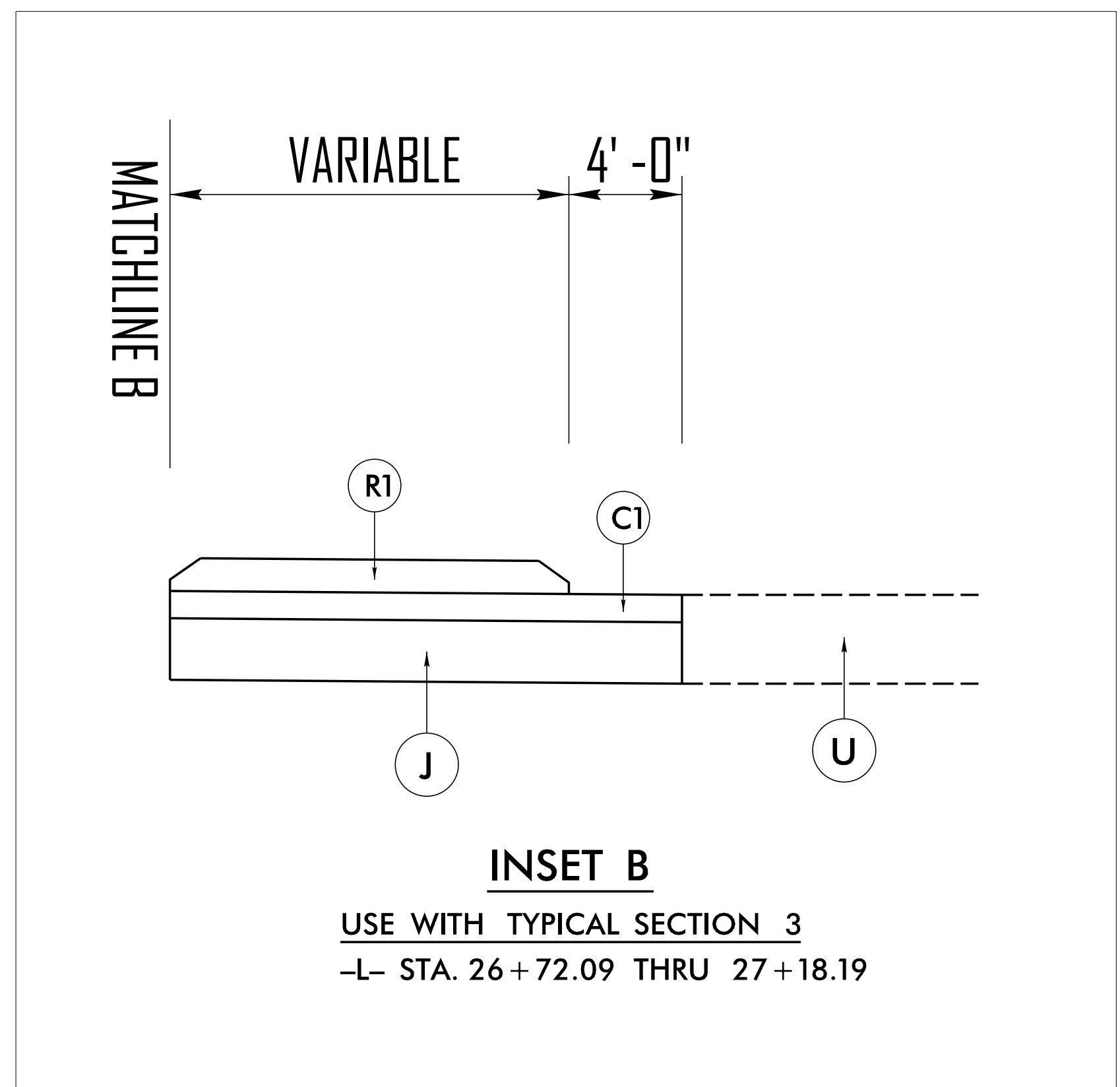
-L- STA. 26+38.00 THRU 27+74.07

NOTE: 5" MONOLITHIC CONCRETE ISLANDS VARIES IN WIDTH AND LOCATION SEE PLANS FOR ACTUAL LOCATIONS



**INSET A**

USE WITH TYPICAL SECTION 2  
-L- STA. 25+28.75 THRU 26+07.09



**INSET B**

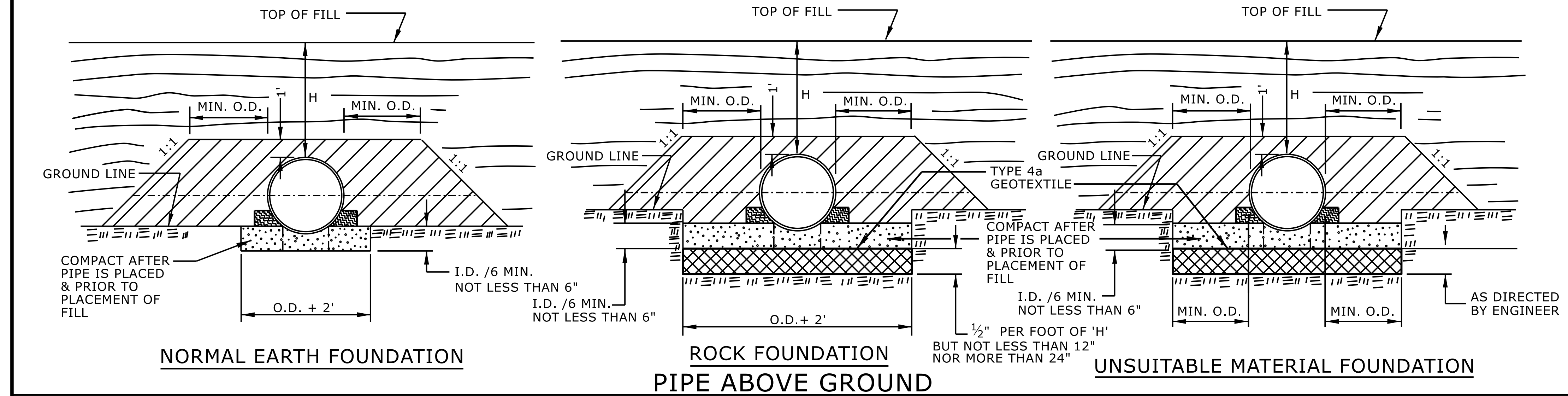
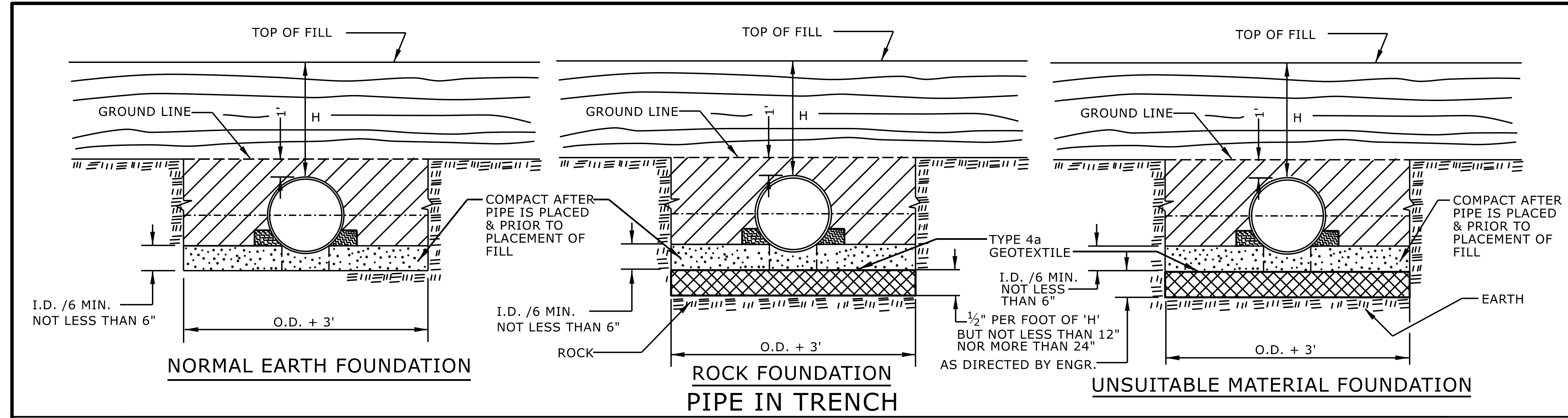
USE WITH TYPICAL SECTION 3  
-L- STA. 26+72.09 THRU 27+18.19

**PAVEMENT SCHEDULE**



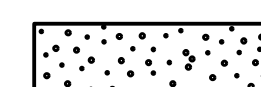
C1	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
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T	EARTH MATERIAL
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V1	1.5" PAVEMENT REMOVAL

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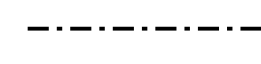
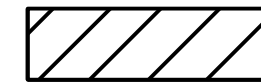
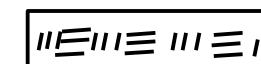



**GENERAL NOTES:**  
 I.D. = THE MAXIMUM HORIZONTAL INSIDE DIAMETER DIMENSION.  
 O.D. = THE MAXIMUM HORIZONTAL OUTSIDE DIAMETER DIMENSION.  
 H = THE FILL HEIGHT MEASURED VERTICALLY AT ANY POINT ALONG THE PIPE FROM THE TOP OF THE PIPE TO THE TOP OF THE EMBANKMENT AT THAT POINT.

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

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

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

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

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

ROADWAY DETAIL DRAWING FOR  
**METHOD OF PIPE INSTALLATION**  
 FLEXIBLE PIPE



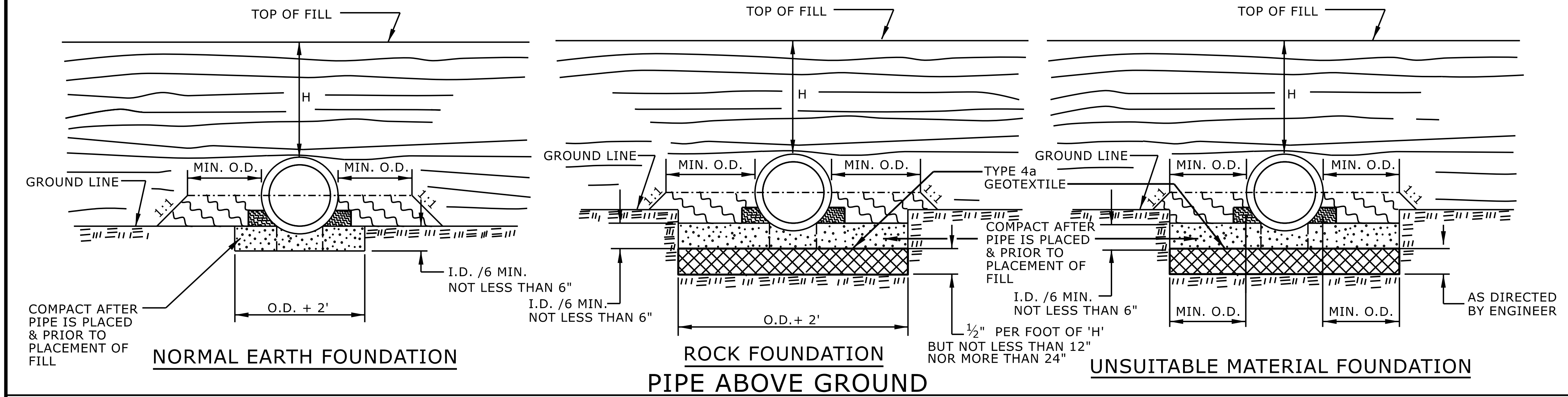
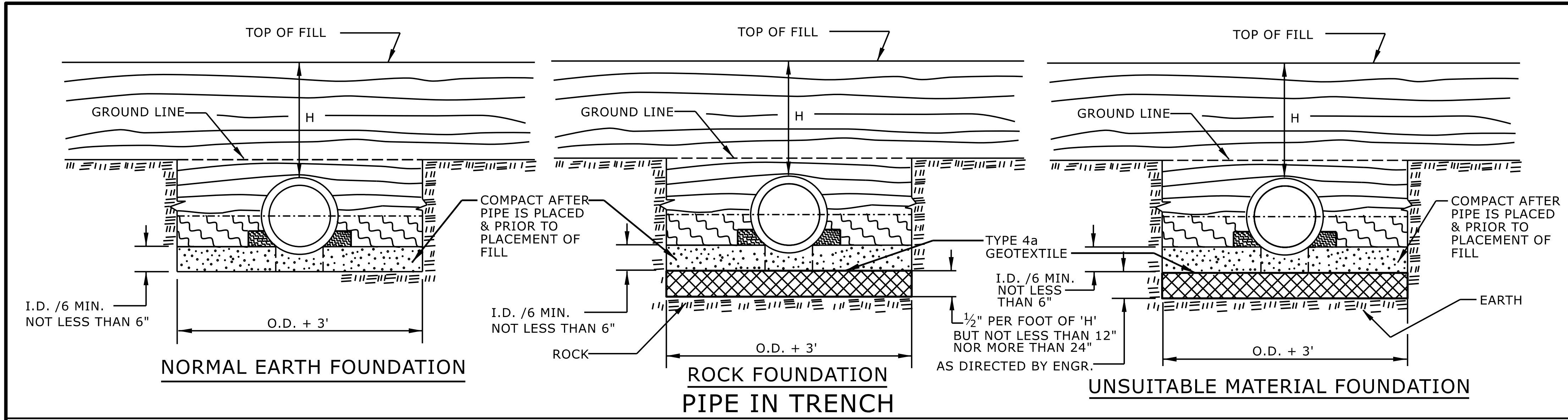
SHEET 1 OF 2  
**300.01**

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 UNLESS ALL SIGNATURES COMPLETED

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

**SEE TITLE BLOCK**

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



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

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

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

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

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

ROADWAY DETAIL DRAWING FOR  
**METHOD OF PIPE INSTALLATION**  
 RIGID PIPE

SHEET 2 OF 2  
**300.01**



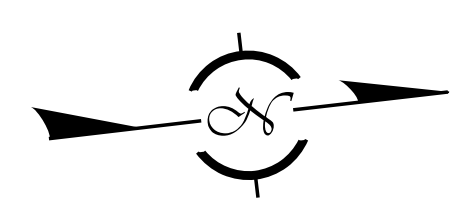
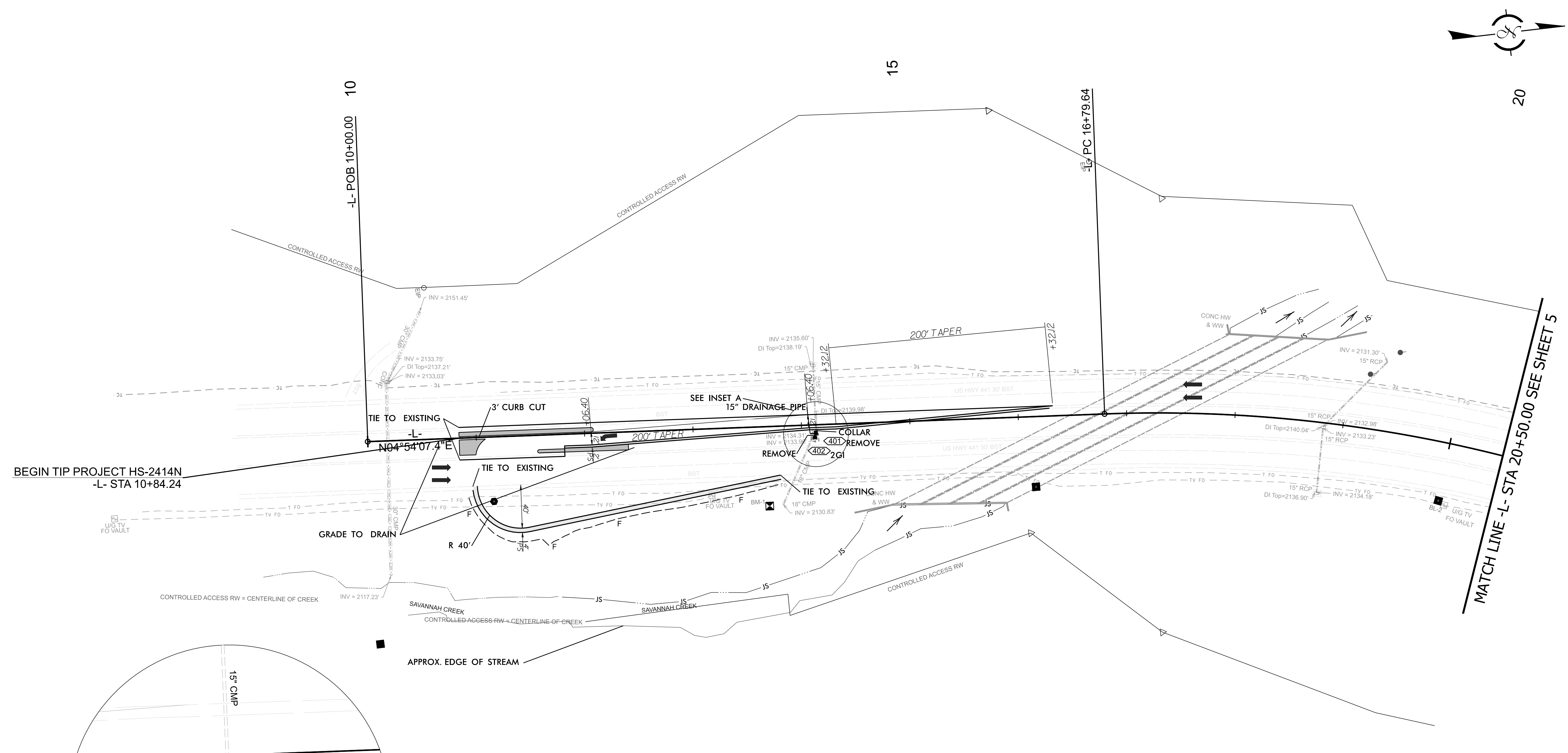
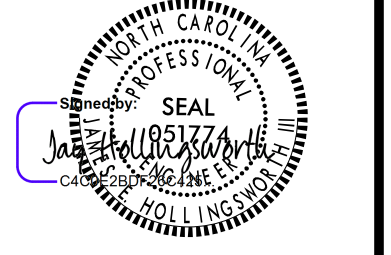
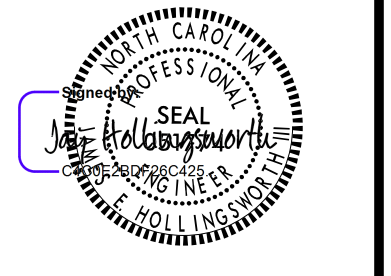
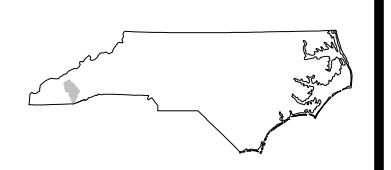
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**CONTRACTS STANDARDS AND DEVELOPMENT UNIT**  
 Office 919-707-6950 FAX 919-250-4119

**SEE TITLE BLOCK**

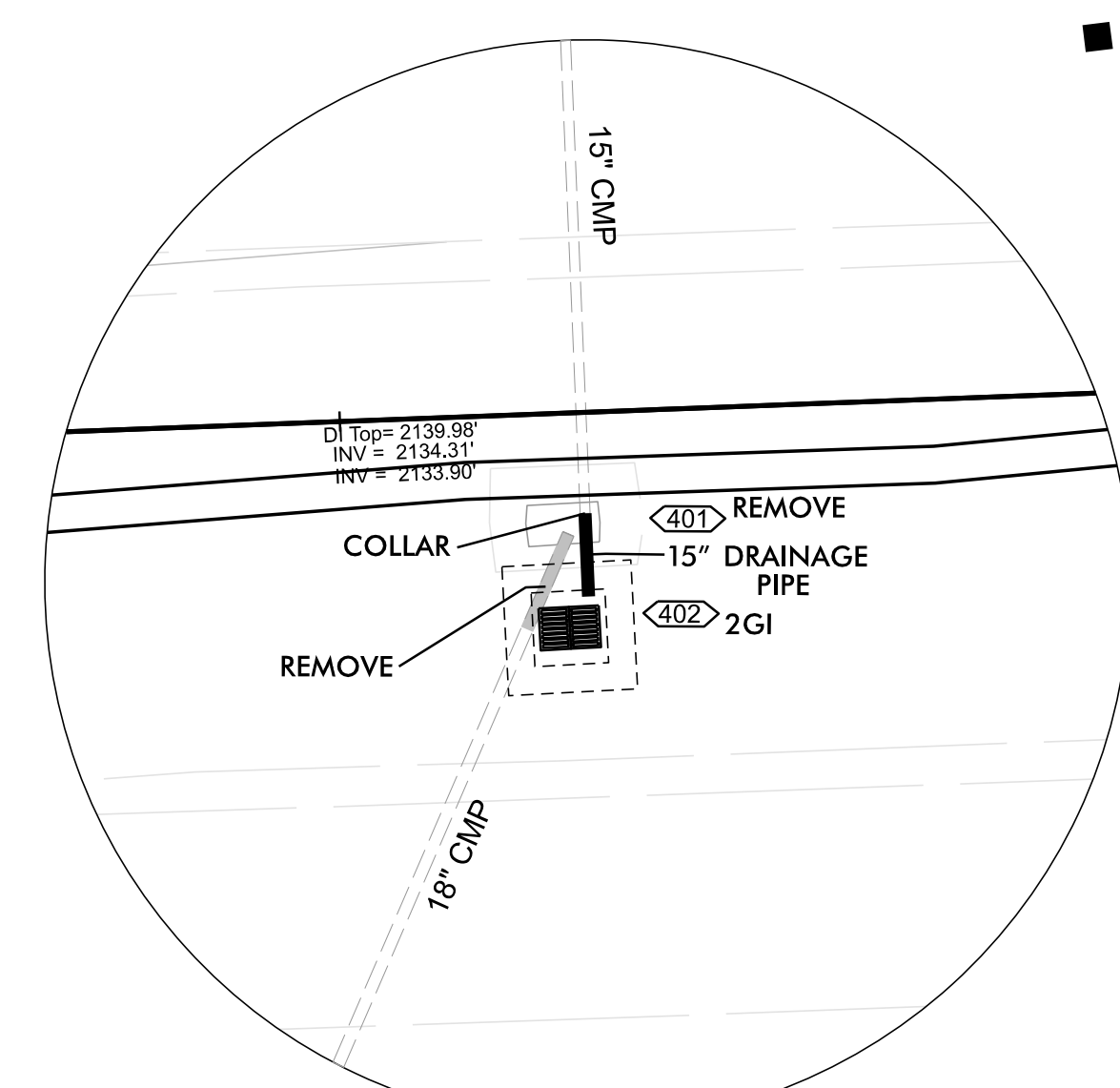
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 MODIFIED BY: DATE:  
 CHECKED BY: DATE:  
 FILE SPEC.:





BEGIN TIP PROJECT HS-2414N  
-L- STA 10+84.24

MATCH LINE -L- STA 20+50.00 SEE SHEET 5

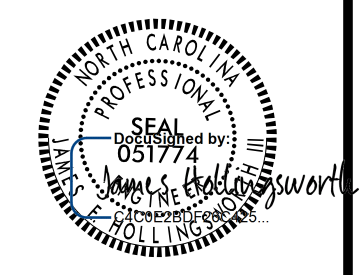
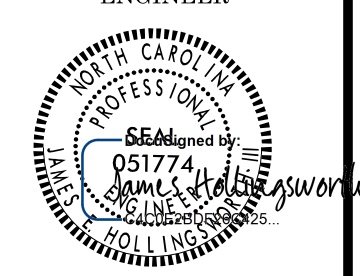
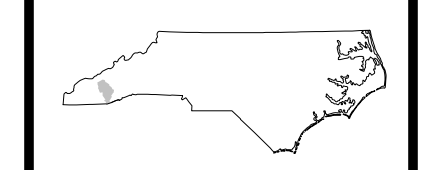


INSET A

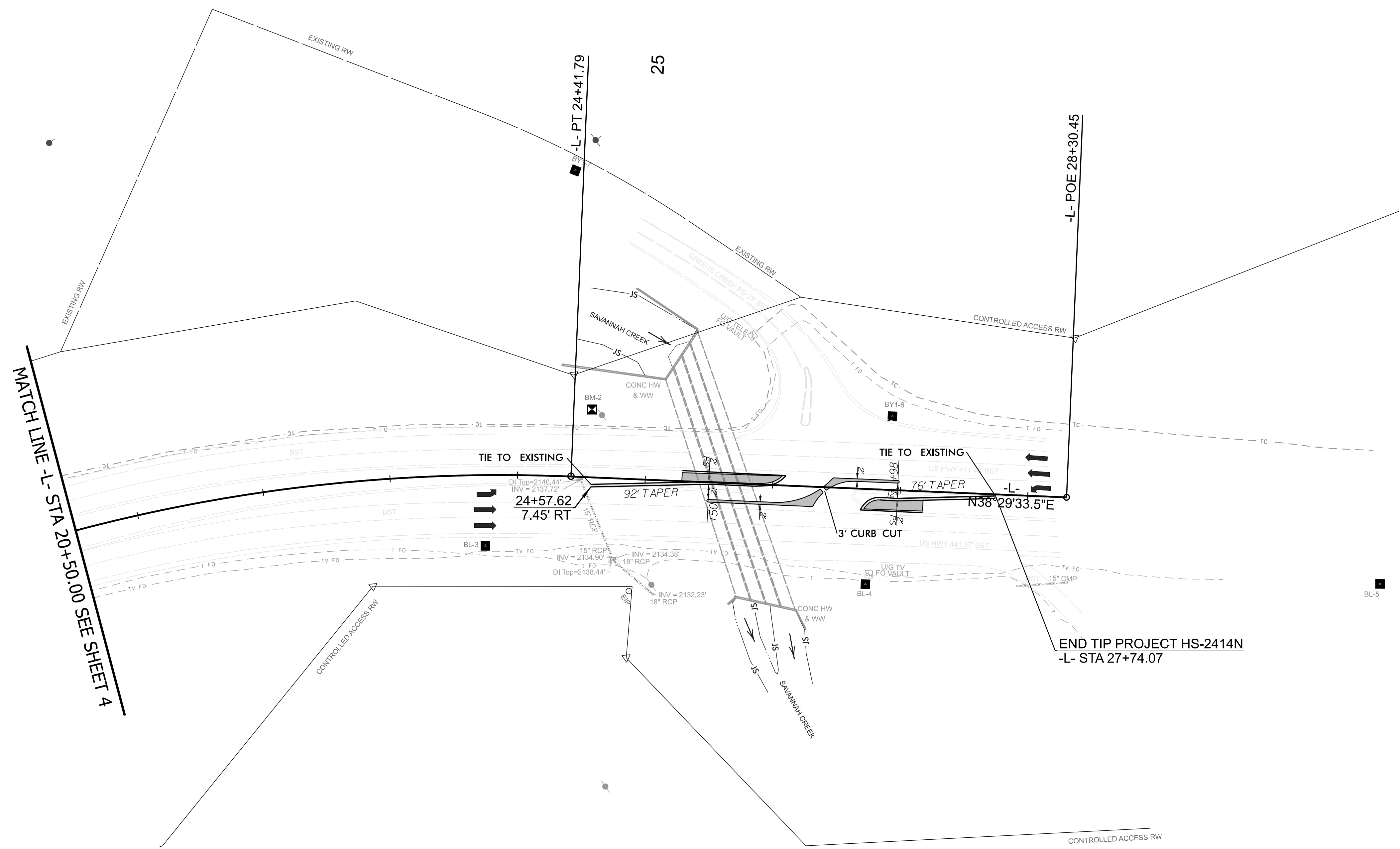
SEE DETAIL SHEET 2B-1 FOR ISLAND LAYOUT

PROP MONOLITHIC CONC ISLAND

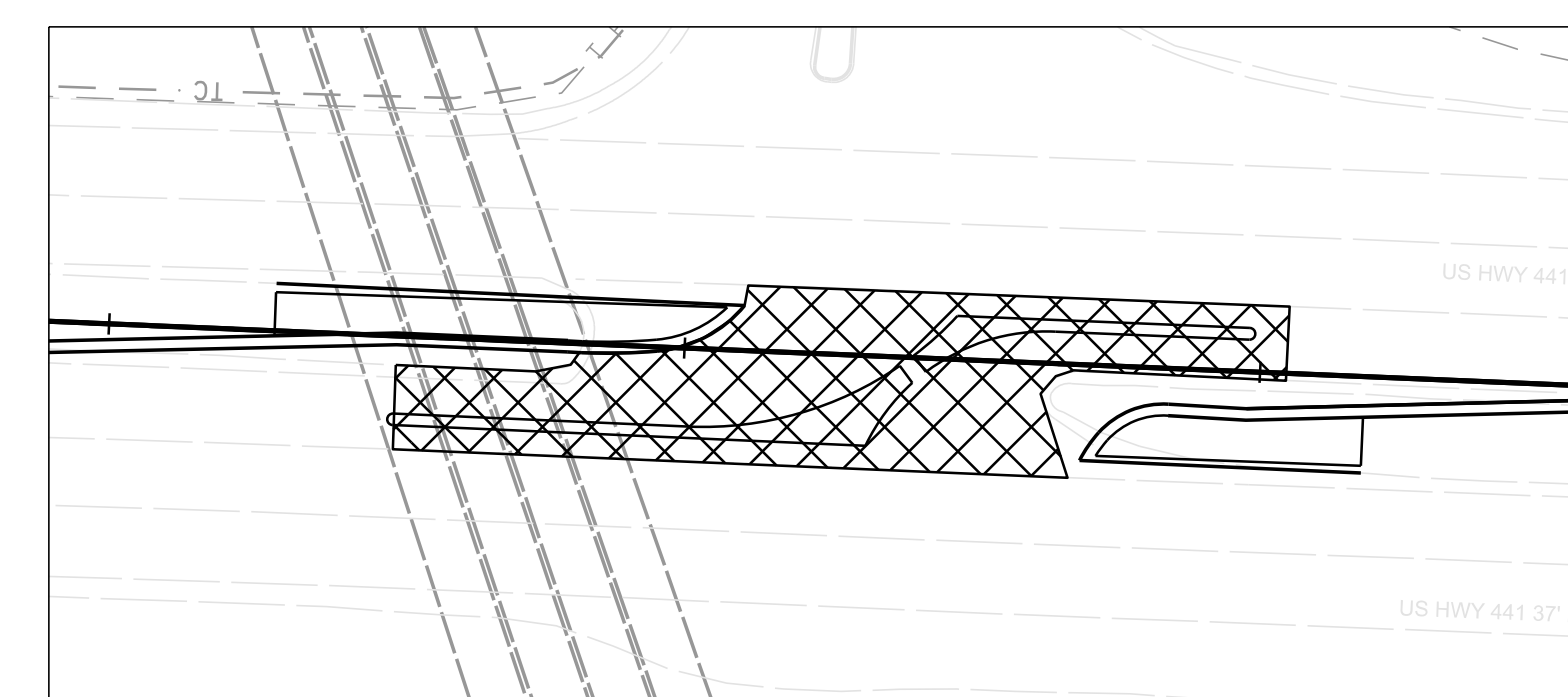
FOR -L- PROFILE, SEE SHEET 6



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



**CUR DATA -L-**  
 Plc 20+72.02  
 $\Delta c = 33^\circ 35' 26.1''$  (RT)  
 $D = 04^\circ 24' 26.5''$   
 $Lc = 762.15$   
 $Tc = 392.38$   
 $R = 1,300$   
 $SE = 0.000$

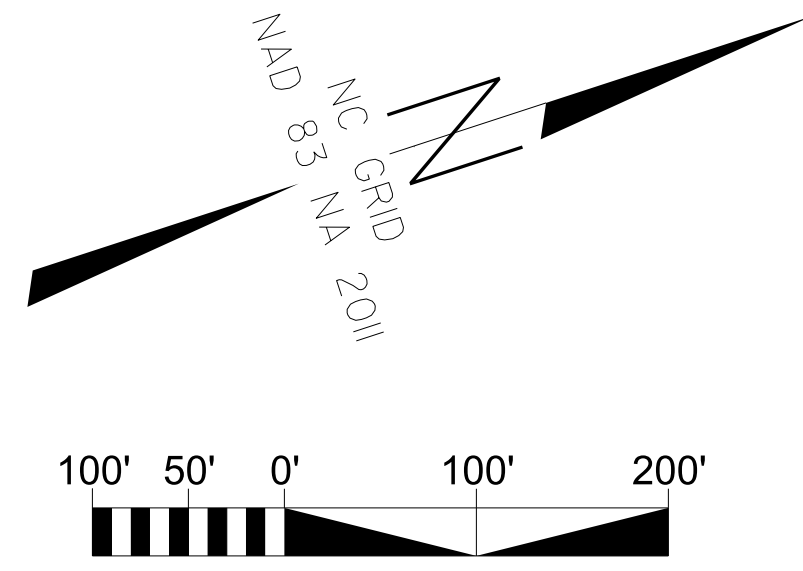


NOTE: USE ASPHALT CONCRETE SURFACE COURSE TYPE S9.5C (LEVELING COURSE) AS DIRECTED BY THE ENGINEER TO ALLOW FOR POSITIVE DRAINAGE.

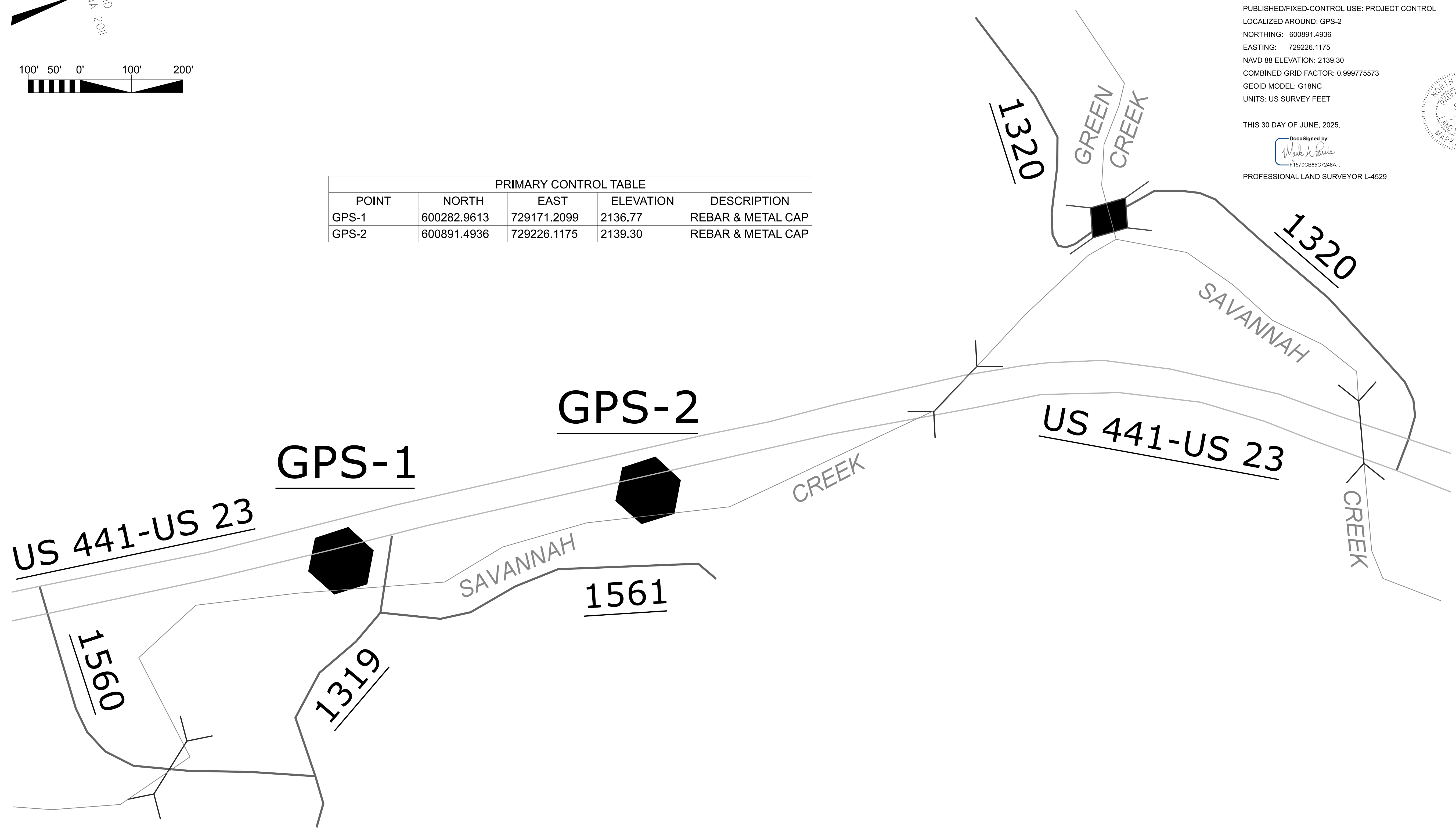
- SEE DETAIL SHEET 2B-1 FOR ISLAND LAYOUT
- S9.5C LEVELING COURSE
- PROP MONOLITHIC CONC ISLAND
- FOR -L- PROFILE, SEE SHEET 6



# PRIMARY SURVEY CONTROL SHEET



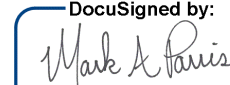
PRIMARY CONTROL TABLE				
POINT	NORTH	EAST	ELEVATION	DESCRIPTION
GPS-1	600282.9613	729171.2099	2136.77	REBAR & METAL CAP
GPS-2	600891.4936	729226.1175	2139.30	REBAR & METAL CAP



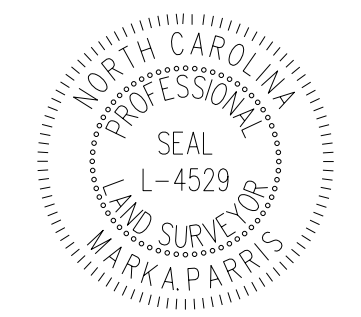
I, MARK A. PARRIS, PLS, CERTIFY THAT THE PRIMARY PROJECT CONTROL WAS PERFORMED UNDER MY SUPERVISION FROM AN ACTUAL GPS SURVEY MADE UNDER MY SUPERVISION AND THE FOLLOWING INFORMATION WAS USED TO PERFORM THE SURVEY:

CLASS OF SURVEY: AA  
 TYPE OF GPS FIELD PROCEDURE: RTN  
 DATES OF SURVEY: MAY - JUNE 2025  
 DATUM/EPOCH: NAD 83 / NA 2011  
 PUBLISHED/FIXED-CONTROL USE: PROJECT CONTROL  
 LOCALIZED AROUND: GPS-2  
 NORTHING: 600891.4936  
 EASTING: 729226.1175  
 NAVD 88 ELEVATION: 2139.30  
 COMBINED GRID FACTOR: 0.999775573  
 GEOID MODEL: G18NC  
 UNITS: US SURVEY FEET

THIS 30 DAY OF JUNE, 2025.

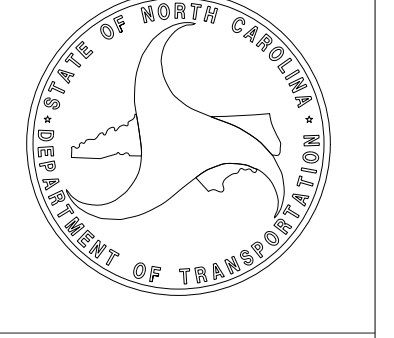
DocuSigned by:  
  
 F1570CB85C7248A

PROFESSIONAL LAND SURVEYOR L-4529



HS-2414N  
 R/W 02G-1

NORTH CAROLINA  
 DEPARTMENT  
 OF TRANSPORTATION



PROFESSIONAL LAND SURVEYOR

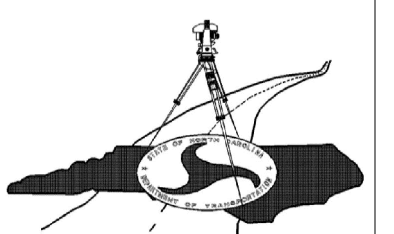


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES ARE COMPLETED

2024 STANDARD SPECIFICATIONS

**TIP PROJECT: HS-2414N**  
 County: Jackson

PREPARED FOR



LOCATION AND SURVEYS UNIT

PREPARED BY



NOTES:

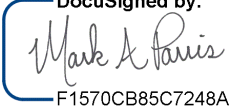
1. THE PROPOSED ALIGNMENT CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

# SECONDARY SURVEY CONTROL SHEET

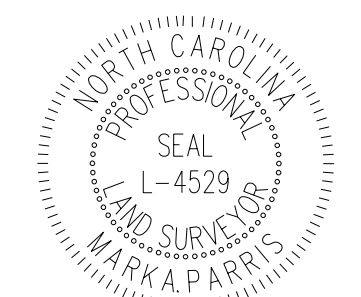
## W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

I, MARK A. PARRIS, PLS, CERTIFY THAT THE SECONDARY BASELINE CONTROL FOR THIS PROJECT WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION UTILIZING PRIMARY GPS CONTROL SET BY OTHERS; THAT ALL HORIZONTAL CLOSURES HAD A MINIMUM RATIO OF PRECISION OF 1:20,000 (CLASS AA) AND VERTICAL ACCURACY TO 1:10,000 (CLASS A). FIELD WORK WAS PERFORMED DURING THE MONTHS OF MAY & JUNE, 2025, AND ALL COORDINATES ARE BASED ON NAD 83 / NA 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 30 DAY OF JUNE, 2025.

DocuSigned by:  
  
 P1570CB85C7248A

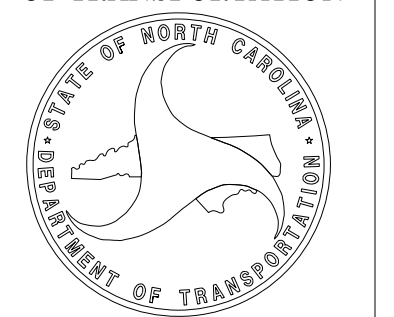
PROFESSIONAL LAND SURVEYOR L-4529



HS-2414N

R/W 02C-2

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

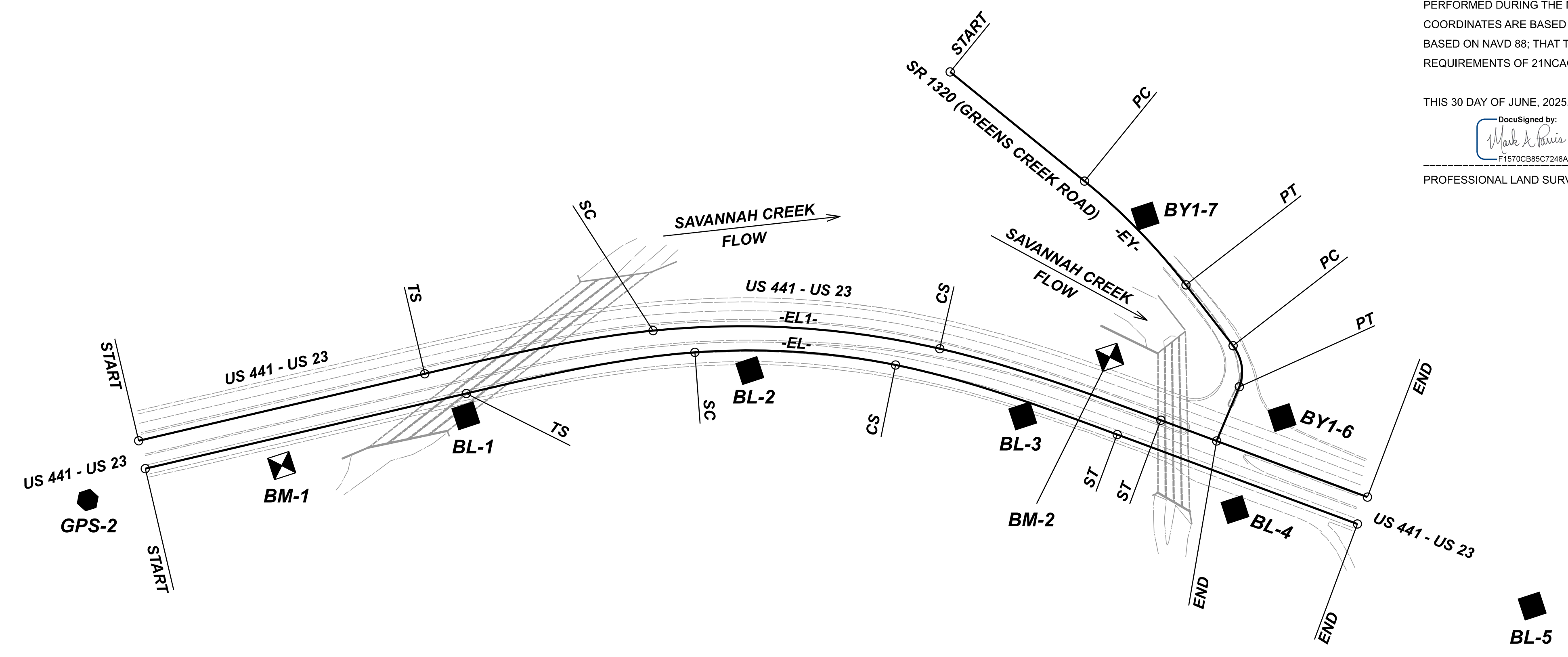
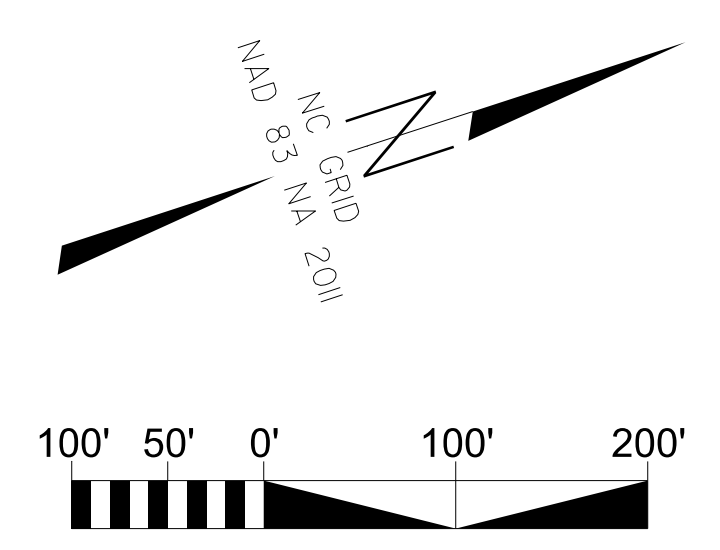


PROFESSIONAL LAND SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES ARE COMPLETED

2024 STANDARD SPECIFICATIONS



EXISTING ALIGNMENT NAME: -EL-									
POINT	NORTHING	EASTING	BEARING	DIST	D	D	L	T	R
START	600974.6271	729210.6921							
LINE			N04°54'07.4"E	425.29					
SC	601695.1995	729288.1123							
CURVE					15°36'47.5" Right	06°00'00.0"	260.22	130.92	954.93
ST	602180.2417	729557.9630							
LINE			N38°29'33.5"E	330.72					
END	602439.0936	729763.8088							

PRIMARY CONTROL TABLE				
POINT	NORTH	EAST	ELEVATION	DESC
GPS-1	600282.9613	729171.2099	2136.77	REBAR & METAL CAP
GPS-2	600891.4936	729226.1175	2139.30	REBAR & METAL CAP

EXISTING ALIGNMENT NAME: -EL1-									
POINT	NORTHING	EASTING	BEARING	DIST	D	D	L	T	R
START	600977.6729	729173.8362							
LINE			N04°54'07.4"E	379.03					
SC	601652.6039	729244.7243							
CURVE					18°36'48.6" Right	05°00'00.0"	372.27	187.79	1145.92
ST	602239.5486	729557.8524							
LINE			N38°29'33.5"E	284.37					
END	602462.1229	729734.8493							

BASELINE POINTS TABLE				
POINT	NORTH	EAST	ELEVATION	DESC
BL -1	601388.9570	729274.0810	2140.27	REBAR & METAL CAP
BL -2	601755.3171	729332.2863	2138.58	REBAR & METAL CAP
BL -3	602071.8981	729497.2623	2140.19	REBAR & METAL CAP
BL -4	602294.6765	729696.9852	2139.32	REBAR & METAL CAP
BL -5	602620.5683	729934.2980	2137.38	REBAR & METAL CAP
BY1-6	602389.2609	729603.0892	2139.99	REBAR & METAL CAP
BY1-7	602302.0413	729301.1272	2121.44	REBAR & METAL CAP

EXISTING ALIGNMENT NAME: -EY-									
POINT	NORTHING	EASTING	BEARING	DIST	D	D	L	T	R
START	602120.5558	729046.5061							
LINE			N57°09'56.0"E	223.29					
PC	602241.6290	729234.1271							
CURVE					13°08'10.3" Right	07°00'00.0"	187.66	94.24	818.51
PT	602324.4951	729402.0422							
LINE			N70°18'06.3"E	99.23					
PC	602357.9422	729495.4654							
CURVE					58°15'52.6" Right	104°10'26.9"	55.93	30.65	55.00
PT	602349.1645	729548.2922							
LINE			S49°12'41.4"E	75.77					
END	602299.6664	729605.6596							

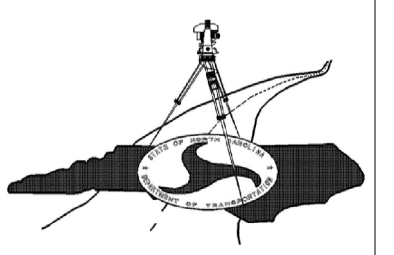
BENCHMARK POINTS TABLE				
POINT	NORTH	EAST	ELEVATION	DESC
BM-1	601143.1690	729261.5500	2138.19	RR SPIKE IN 15" POPLAR
BM-2	602202.1564	729460.2040	2140.99	RR SPIKE IN 12" PINE

**NOTES:**

1. 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.

**TIP PROJECT: HS-2414N**  
 County: Jackson

PREPARED FOR



LOCATION AND SURVEYS UNIT

PREPARED BY



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN  
JACKSON COUNTY

LOCATION: US23/441 AT SR 1320 (GREENS CREEK ROAD)

HS-2414N

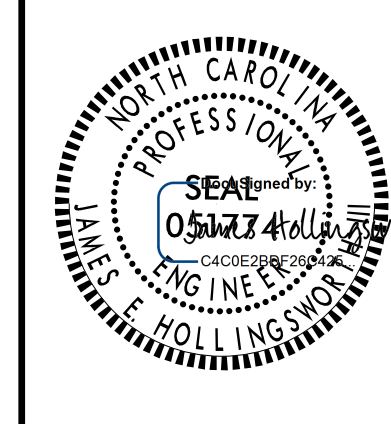
PMP 1

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

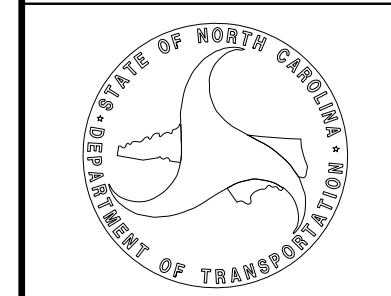
APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_

SEAL: \_\_\_\_\_



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



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
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXIT AND ENTRANCE RAMP
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
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1205.15	PAVEMENT MARKINGS - SUPERSTREETS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1253.01	RAISED PAVEMENT MARKERS - SNOWPLOWABLE
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION
1267.01	FLEXIBLE DELINEATORS - INSTALLATION
1267.02	FLEXIBLE DELINEATORS - SPACING TABLES
1267.03	FLEXIBLE DELINEATORS - INTERCHANGE PLACEMENT

GENERAL NOTES

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.

- A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:
 

ROAD NAME	MARKING	MARKER
US 23/441	THERMOPLASTIC	NON CAST IRON SNOWPLOWABLE
SR 1320	THERMOPLASTIC	NON CAST IRON SNOWPLOWABLE
- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- D) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.

FINAL PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
PAVEMENT MARKINGS	
THERMOPLASTIC (6", 90 MIL)	
T20	(6") WHITE EDGELINE
T23	(6") 3 FT. - 9 FT./SP WHITE MINISKIP
T24	(6") 2 FT. - 6 FT./SP WHITE MINISKIP
T30	(6") YELLOW EDGELINE
T34	(6") 2 FT. - 6 FT./SP YELLOW MINISKIP
THERMOPLASTIC (12", 90 MIL)	
T50	(12") WHITE GORELINE
T51	(12") WHITE DIAGONAL
THERMOPLASTIC (90 MIL)	
T70	LEFT TURN ARROW
T71	RIGHT TURN ARROW
T72	STRAIGHT ARROW
T77	U-TURN ARROW

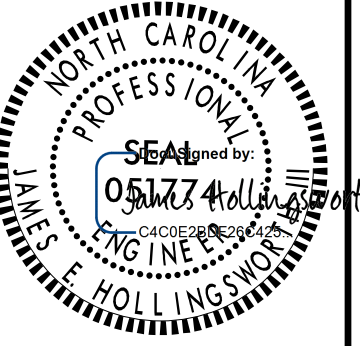
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SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE AND SCHEDULE SHEET
PMP-4 THRU PMP-5	PAVEMENT MARKING PLAN

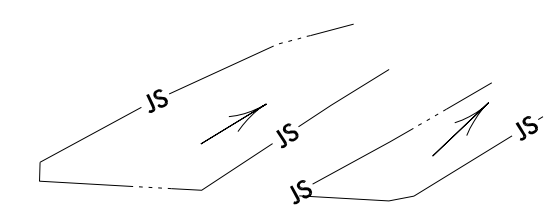
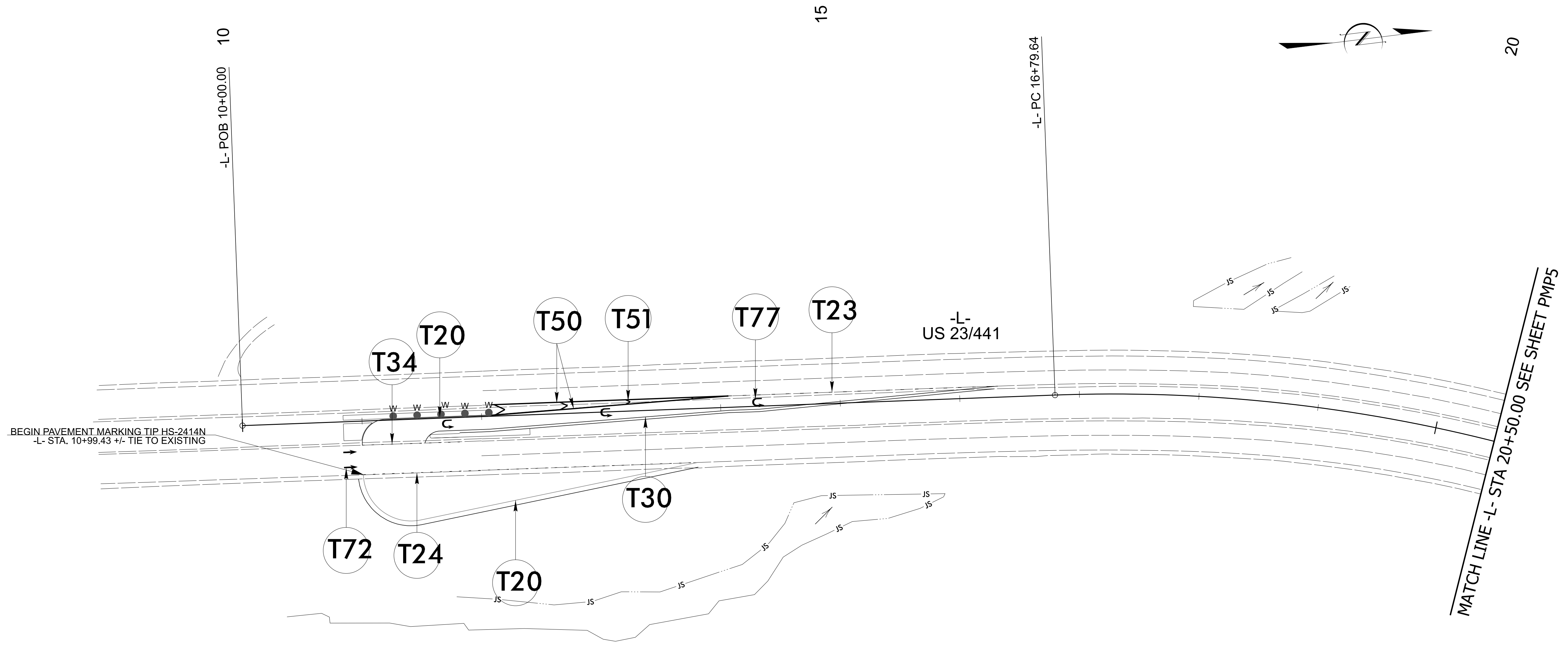
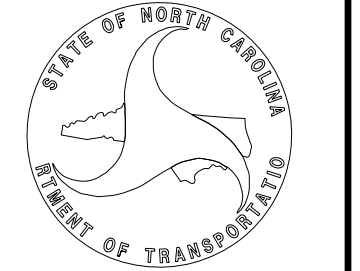
PLAN PREPARED BY: N.C.D.O.T. DIVISION OF HIGHWAYS

JAMES HOLLINGSWORTH, PE PROJECT ENGINEER

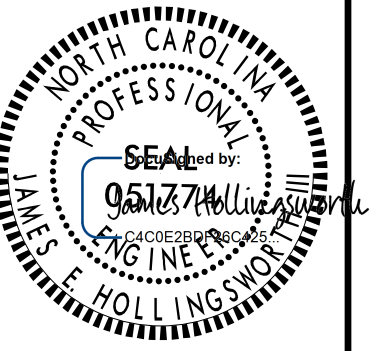
CONTRACT: DN01142 T.I.P.: HS-2414N



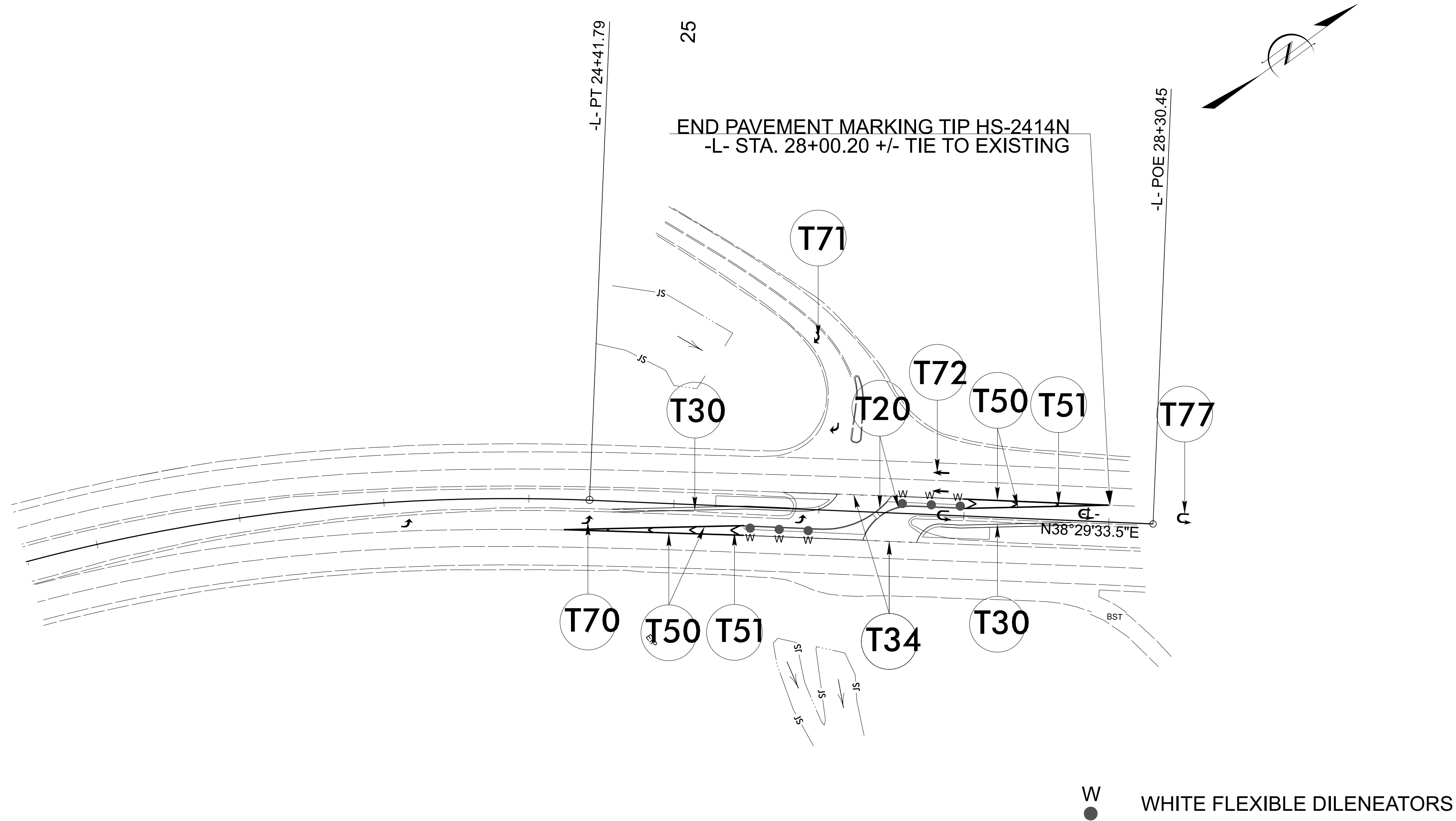
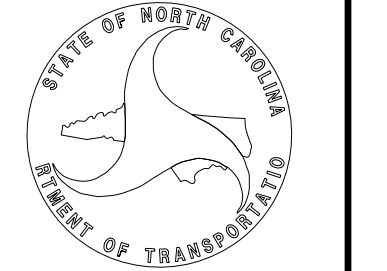
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UNLESS ALL SIGNATURES COMPLETED



W ● WHITE FLEXIBLE DILENEATORS

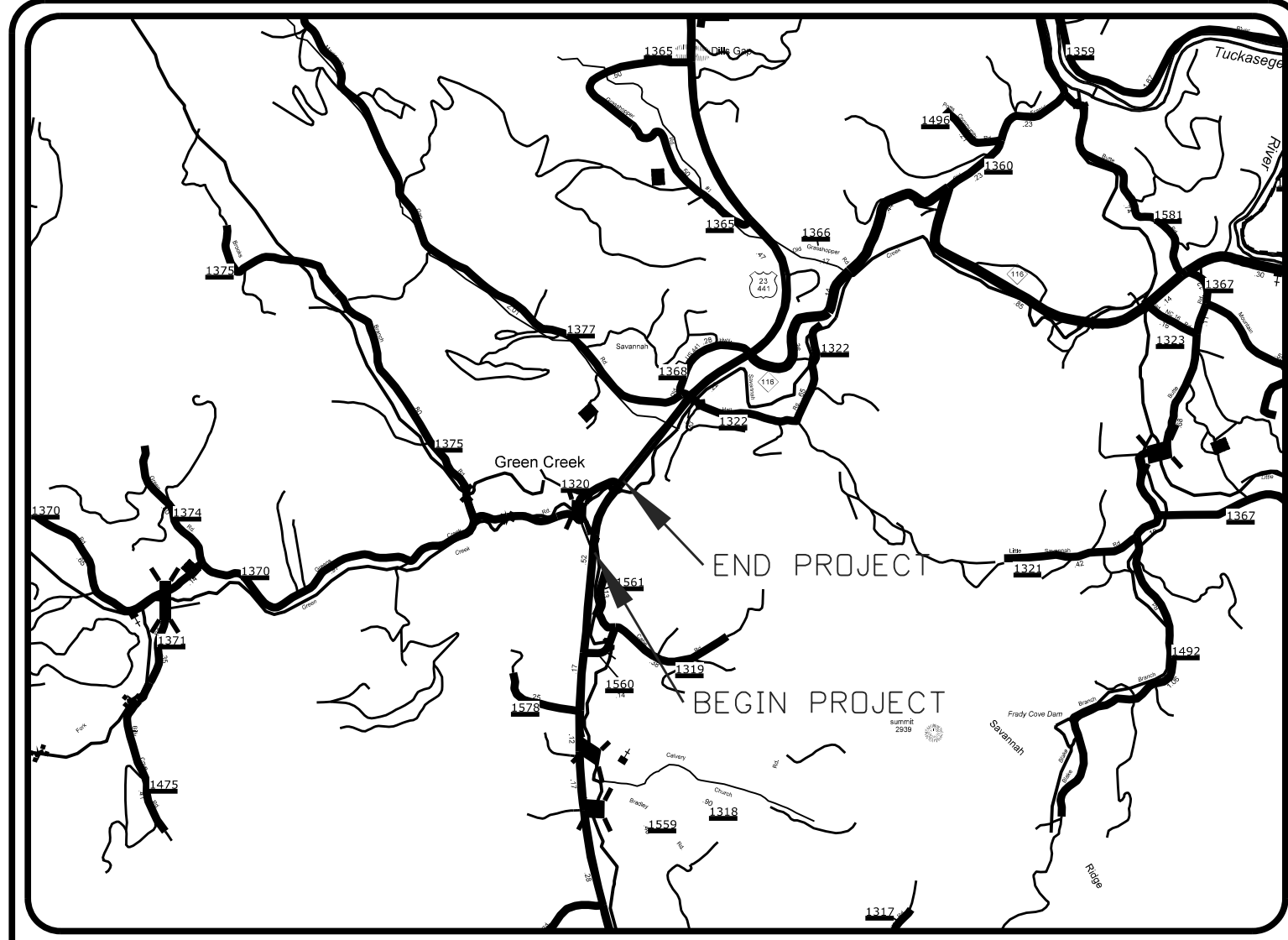


DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	HS-2414N	EC-1	
STATE PROJ. NO.	P.A. PROJ. NO.	DESCRIPTION	
50986.1.15		P.E.	
50986.3.15		CONSTRUCTION	

CONTRACT: DN01142 TIP PROJECT: HS-2414N



**VICINITY MAP**  
NOT TO SCALE

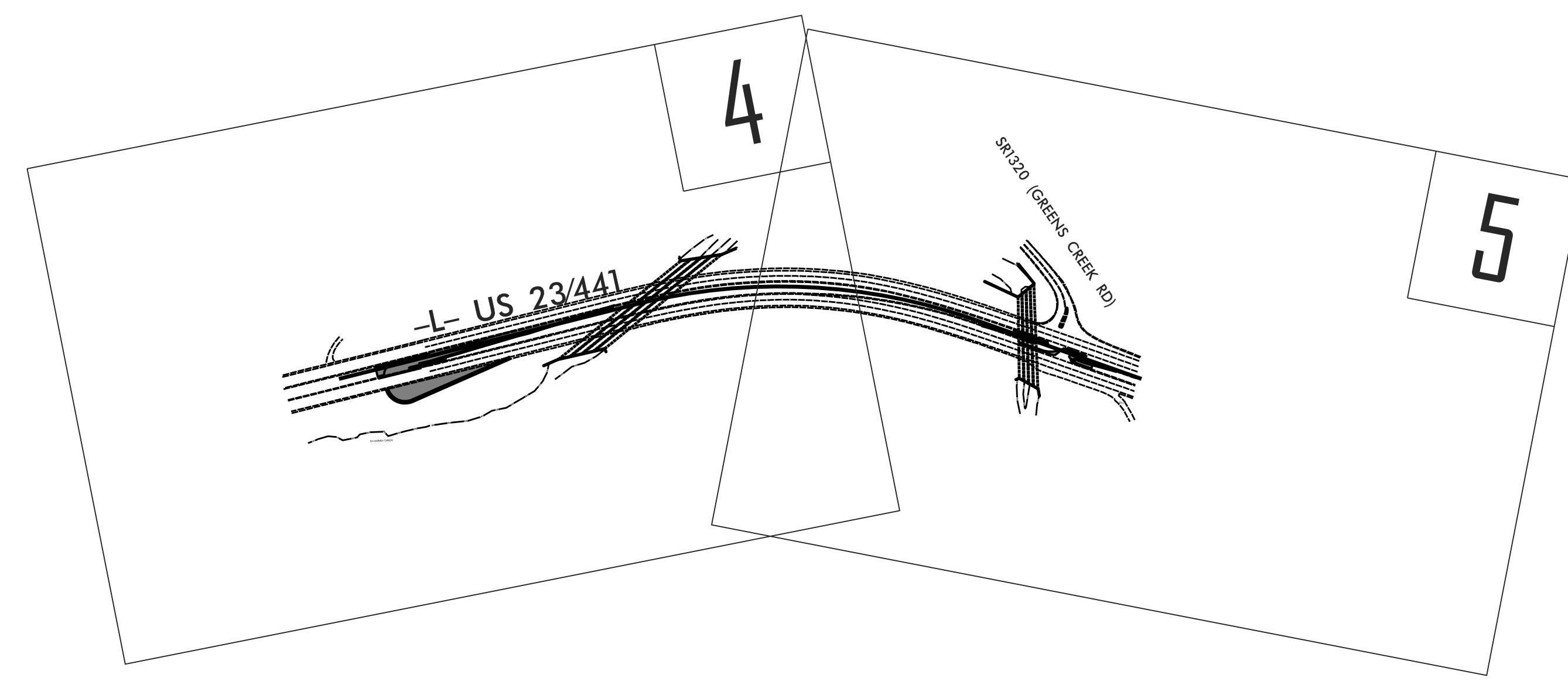
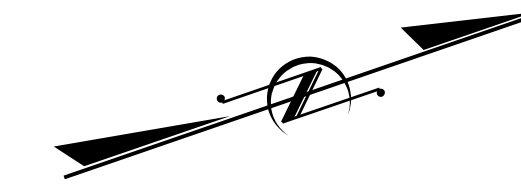
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

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PLAN FOR PROPOSED  
HIGHWAY EROSION CONTROL

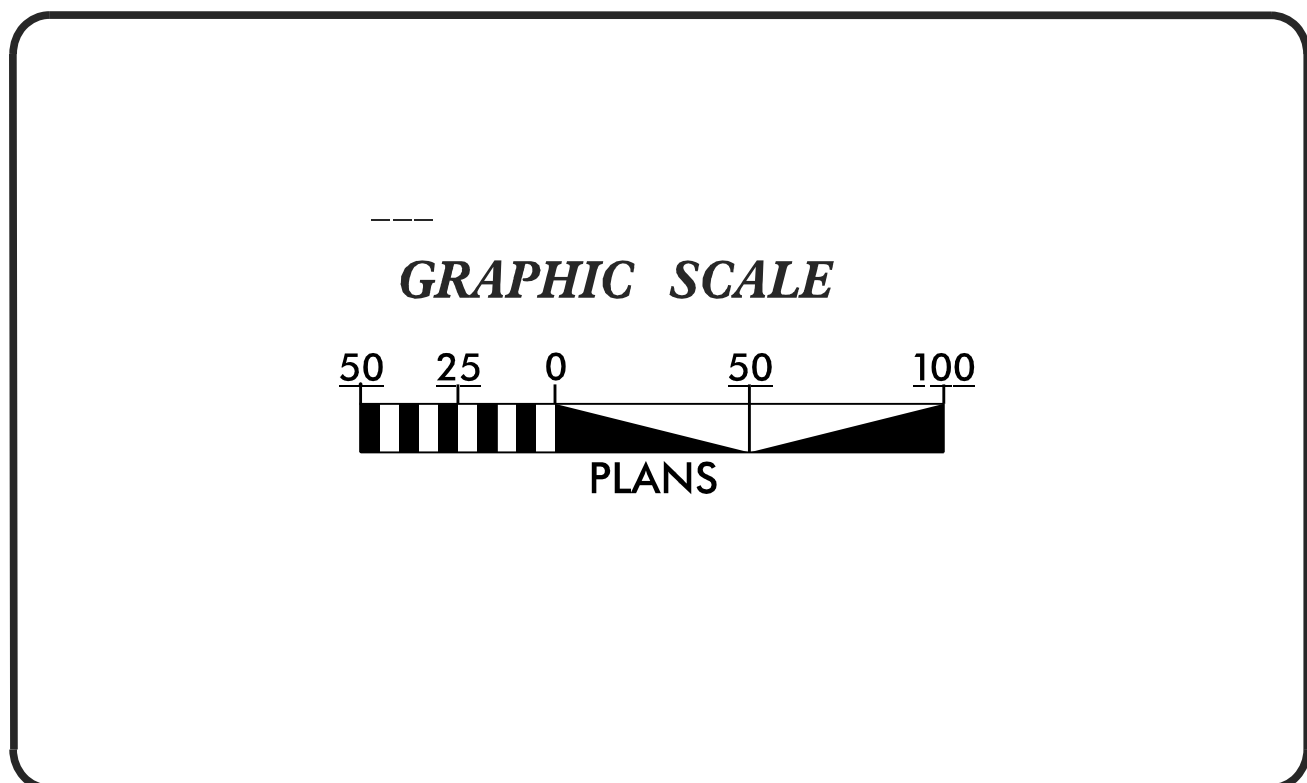
LOCATION: *US 23/441 AT SR1320 (GREENS CREEK ROAD)*

TYPE OF WORK: *GRADING, DRAINING, AND PAVING*



THIS PROJECT HAS  
BEEN DESIGNED TO  
SENSITIVE WATERSHED  
STANDARDS.

ENVIRONMENTALLY  
SENSITIVE AREA(S) EXIST  
ON THIS PROJECT  
*Refer To E. C. Special Provisions  
for Special Considerations.*



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY  
WITH THE REGULATIONS SET FORTH BY THE  
NCG-010000 GENERAL STORMWATER CONSTRUCTION PERMIT  
ISSUED BY THE NORTH CAROLINA DEPARTMENT OF  
ENVIRONMENTAL QUALITY DIVISION OF ENERGY,  
MINERAL, AND LAND RESOURCES.

Prepared In the Office of:  
**DIVISION OF HIGHWAYS**  
253 Webster Rd.  
Sylva, NC 28779

**2024 STANDARD SPECIFICATIONS**

Designed by:  
**DREW C. RIVENBARK** 4342  
NAME LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

The "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.

# DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

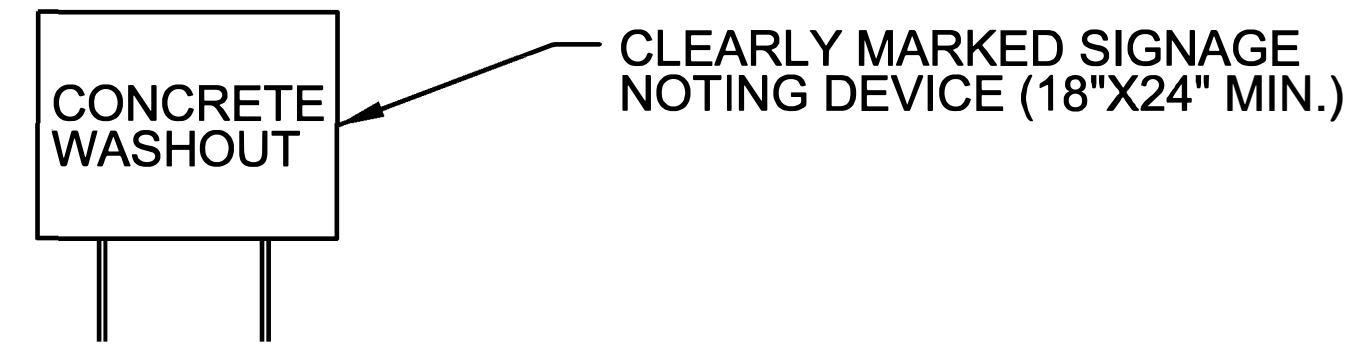
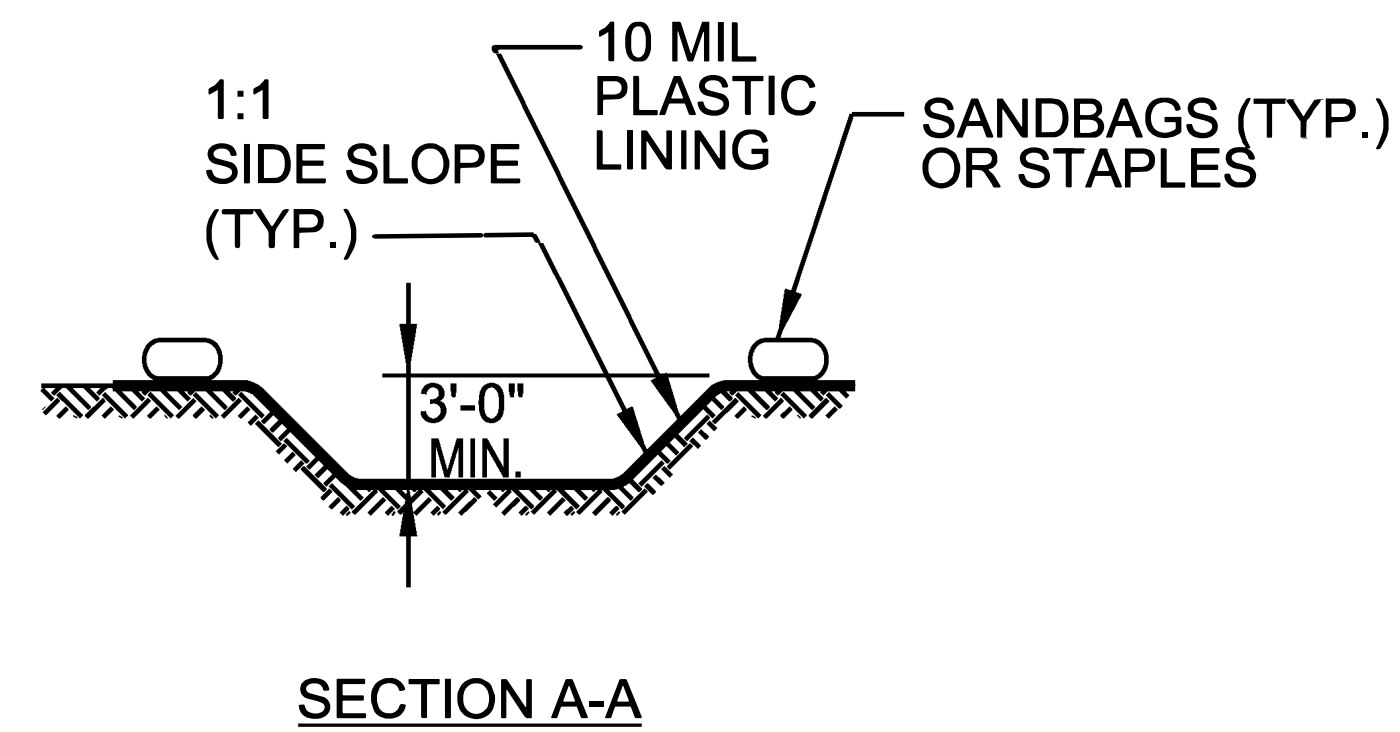
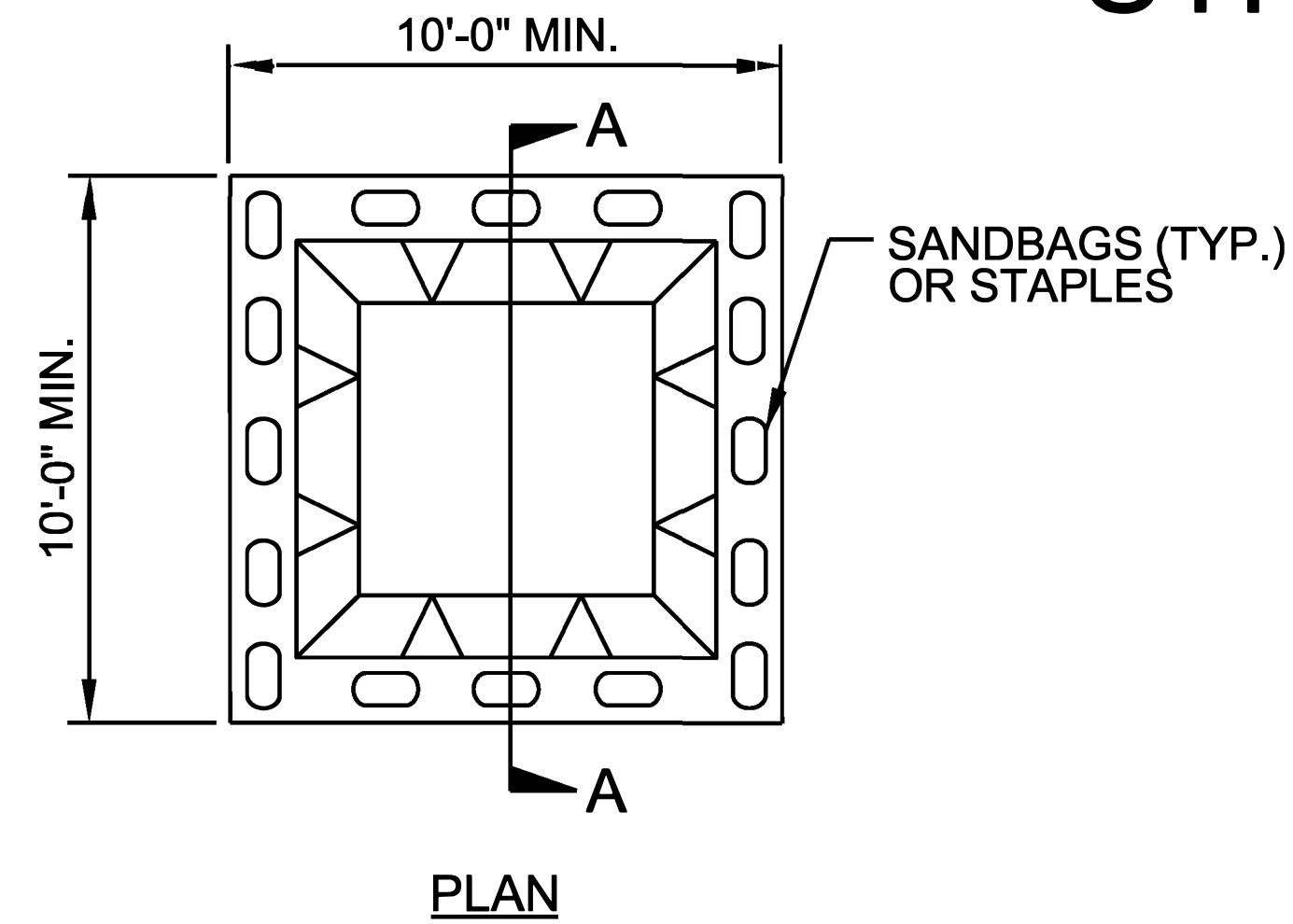
PROJECT REFERENCE NO.	SHEET NO.
HS-2414N	EC-2
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

## EROSION & SEDIMENT CONTROL LEGEND

Std. #	Description	Symbol	Std. #	Description	Symbol
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type A	
1606.01	Special Sediment Control Fence		1633.02	Temporary Rock Silt Check Type B	
1622.01	Temporary Berms and Slope Drains		1633.03	Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant	
1630.02	Silt Basin Type B		1634.01	Temporary Rock Sediment Dam Type A	
1630.03	Temporary Silt Ditch		1634.02	Temporary Rock Sediment Dam Type B	
1630.04	Stilling Basin		1635.01	Rock Pipe Inlet Sediment Trap Type A	
1630.05	Temporary Diversion		1635.02	Rock Pipe Inlet Sediment Trap Type B	
1630.06	Special Stilling Basin		1636.01	Excelsior Wattle Check	
1630.07	Skimmer Basin		1636.01	Excelsior Wattle Check with Flocculant	
1630.08	Tiered Skimmer Basin		1636.01	Coir Fiber Wattle Check	
1630.09	Earthen Dam with Skimmer		1636.01	Coir Fiber Wattle Check with Flocculant	
	Infiltration Basin		1636.02	Silt Fence Excelsior Wattle Break	
	Rock Inlet Sediment Trap:			Silt Fence Coir Fiber Wattle Break	
1632.01	Type A		1636.02	Silt Fence Excelsior Wattle Break	
1632.02	Type B		1636.03	Excelsior Wattle Barrier	
1632.03	Type C		1636.03	Coir Fiber Wattle Barrier	

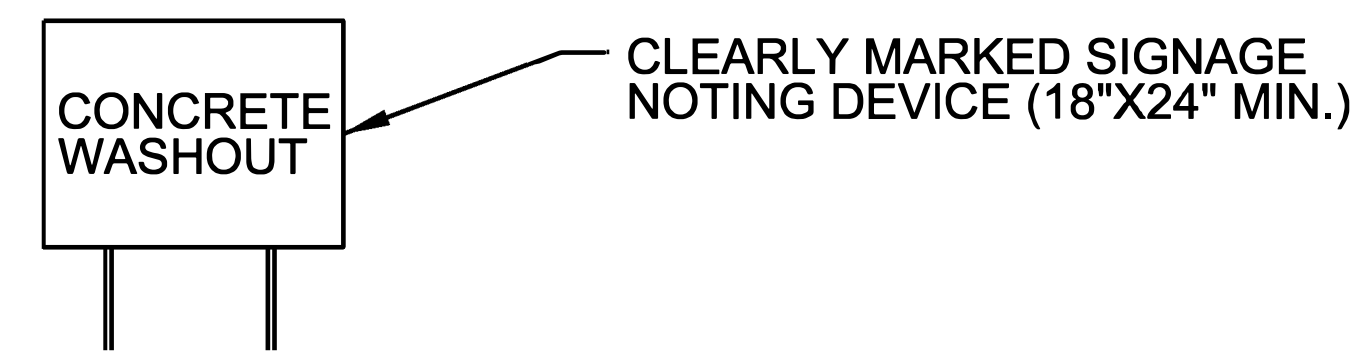
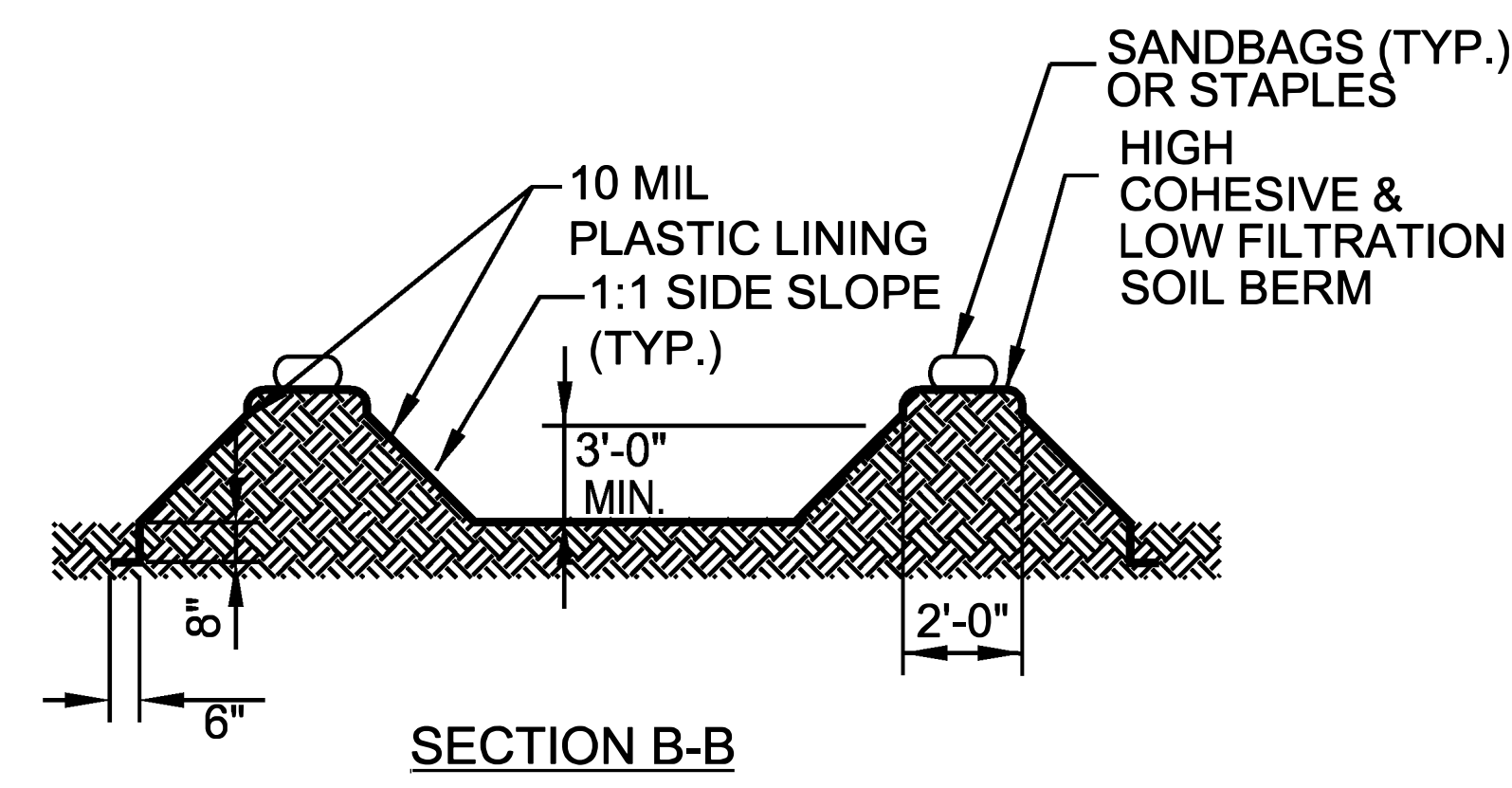
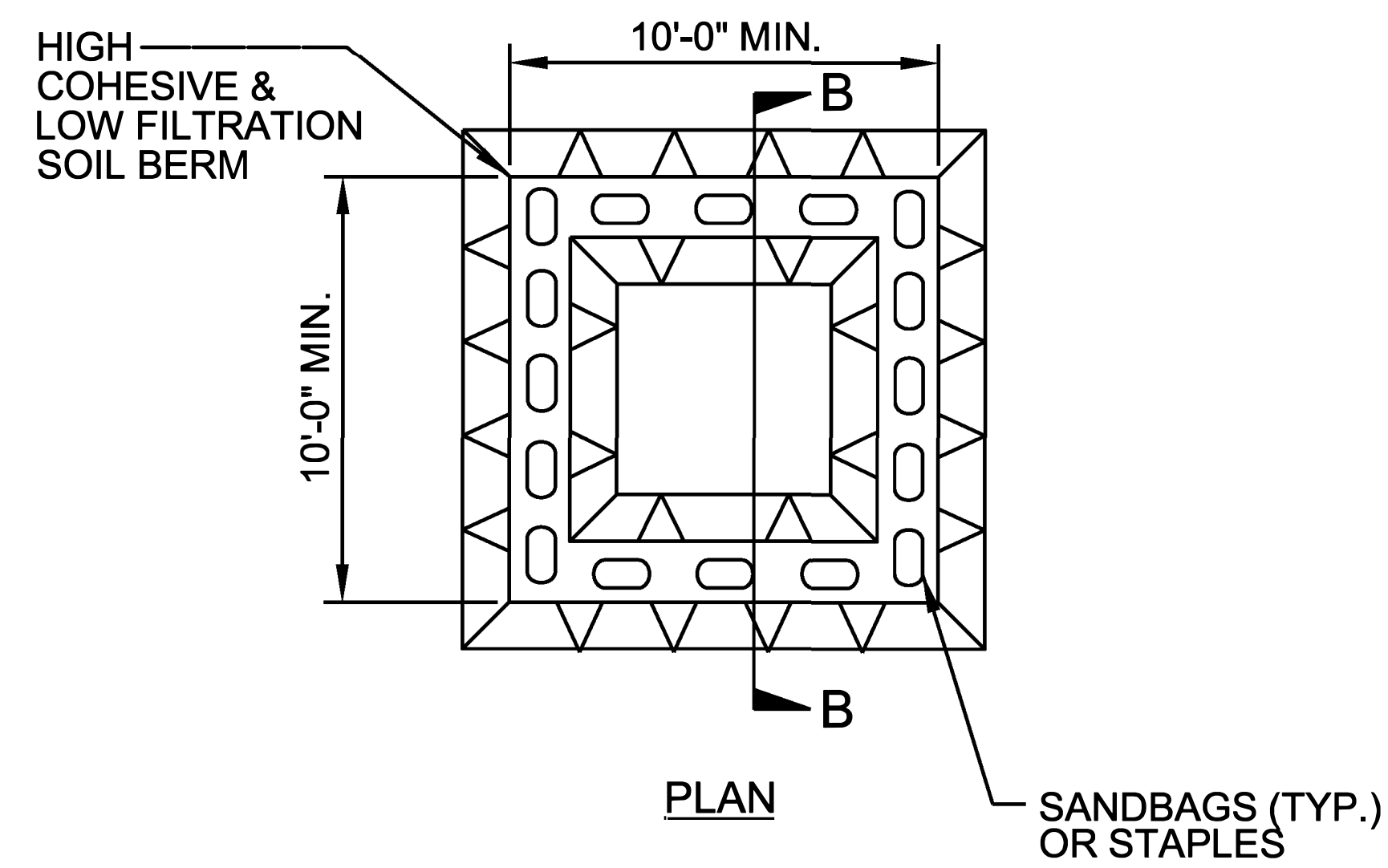
PROJECT REFERENCE NO. <i>HS-2414N</i>	SHEET NO. <i>EC-2A</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# 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

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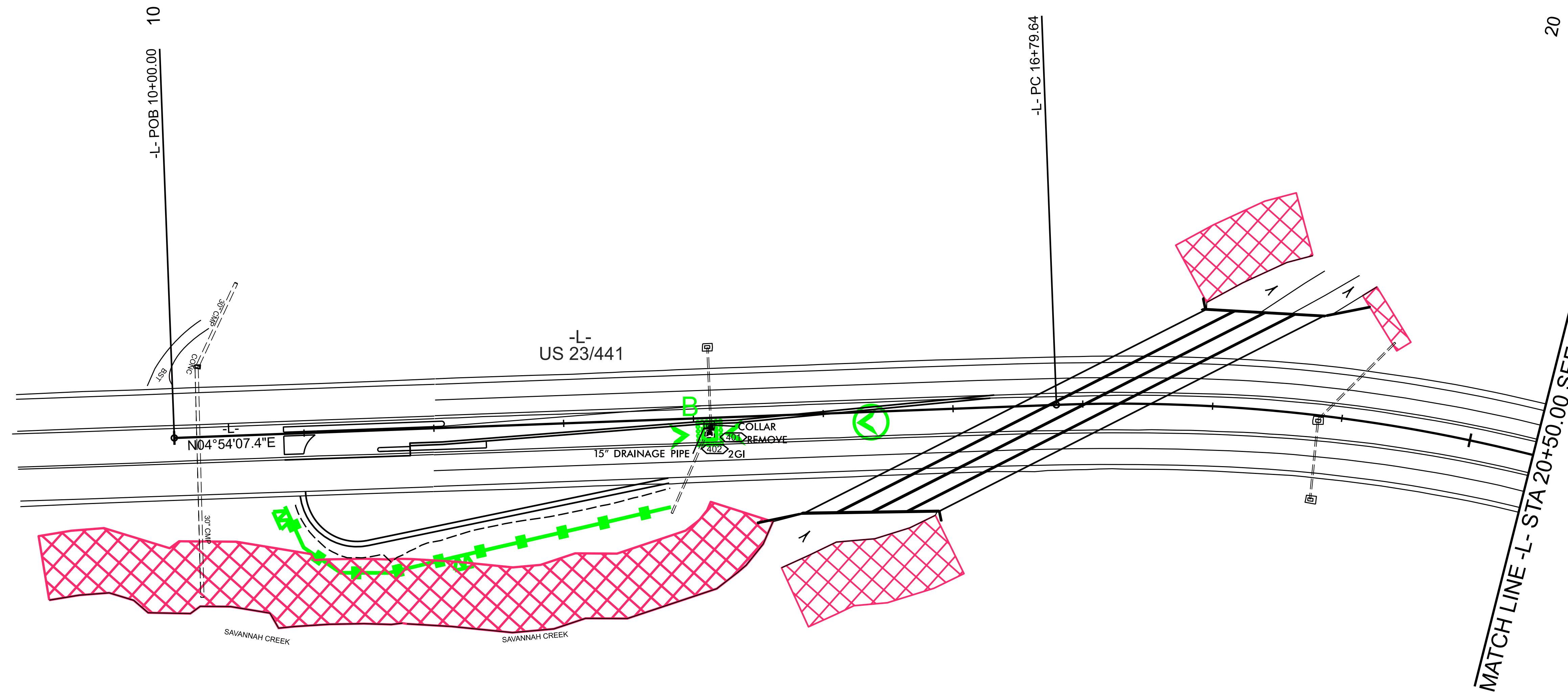
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PROJECT REFERENCE NO. <i>HS-2414N</i>	SHEET NO. <i>EC-3B</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# *SOIL STABILIZATION TIMEFRAMES*

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
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 TO 4:1	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH WITH SLOPES STEEPER THAN 4:1. 7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES

PROJECT REFERENCE NO.		SHEET NO.	
HS-2414N		EC-4/CONST.4	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

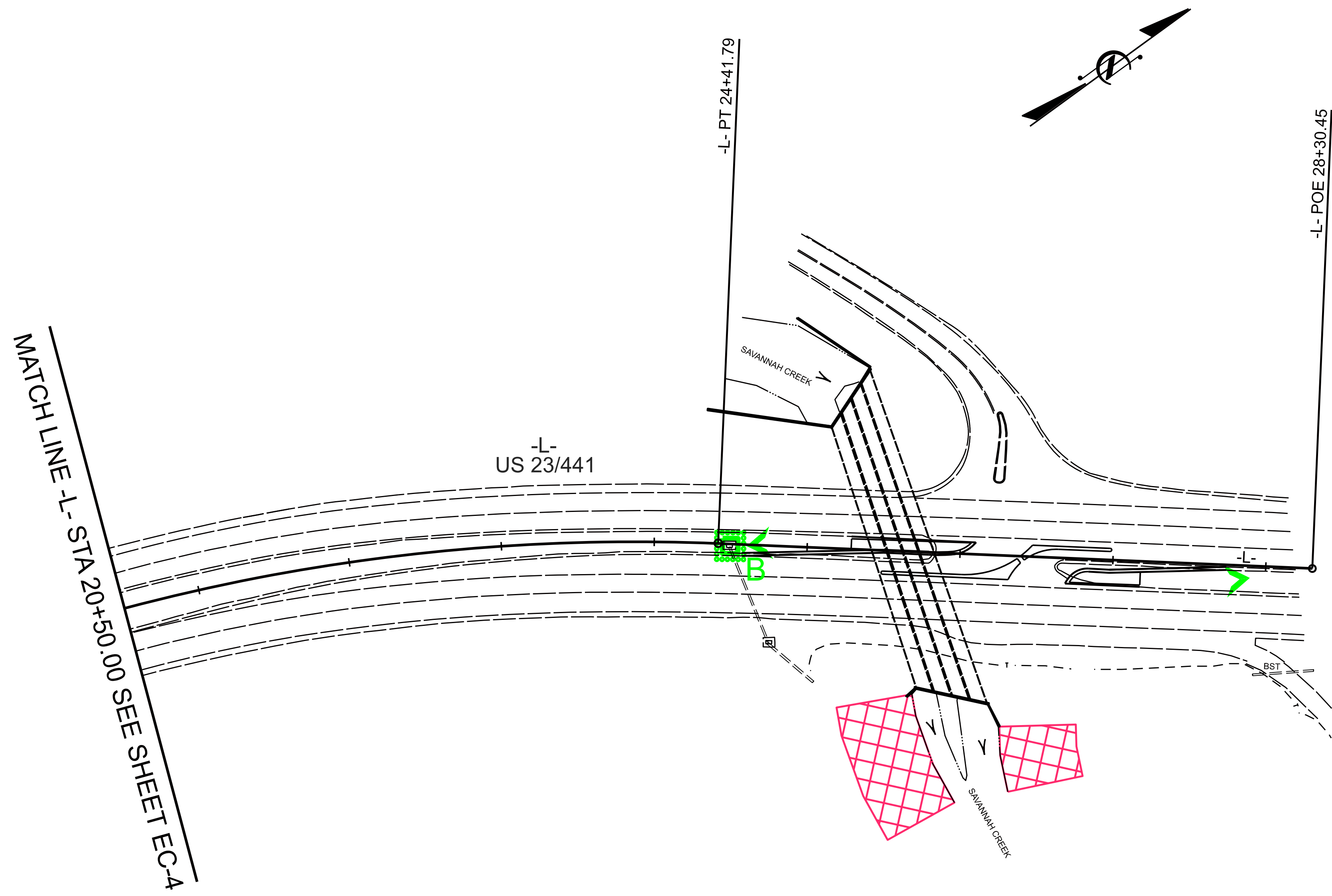


MATCH LINE -L- STA 20+50.00 SEE SHEET EC-5

 ENVIRONMENTALLY SENSITIVE AREA  
SEE PROJECT SPECIAL PROVISIONS

PROJECT REFERENCE NO.	SHEET NO.
HS-2414N	EC-5/CONST.5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

5/26/20

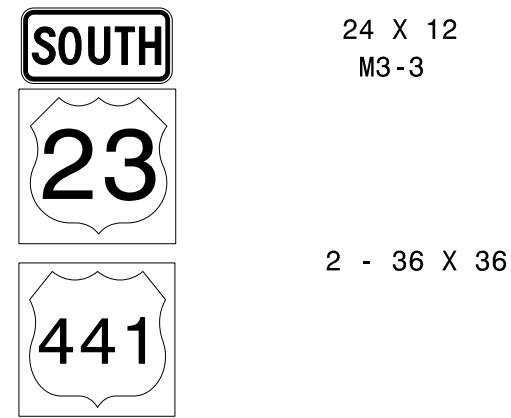




ENVIRONMENTALLY SENSITIVE AREA  
SEE PROJECT SPECIAL PROVISIONS

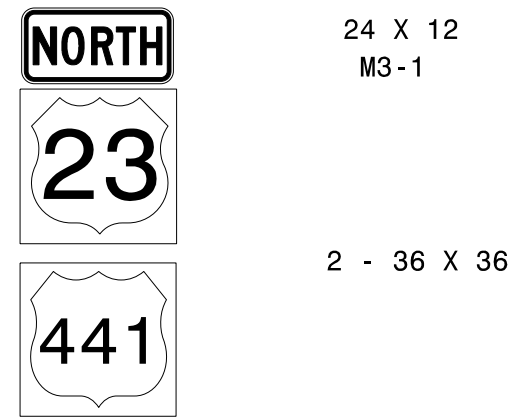


401 QUANTITY REQ'D 1



ONE "U" POSTS PER SIGN

406 QUANTITY REQ'D 1



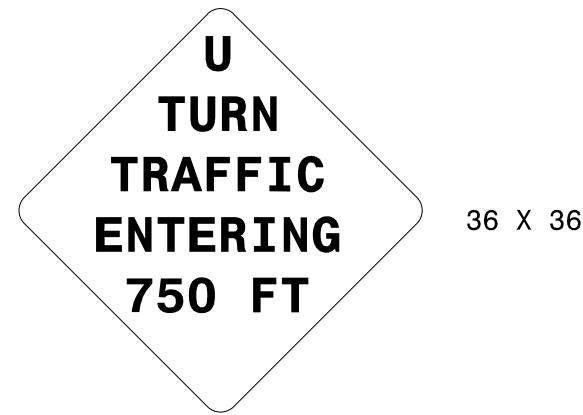
ONE "U" POSTS PER SIGN

402 QUANTITY REQ'D 2



ONE "U" POSTS PER SIGN

407 QUANTITY REQ'D 2



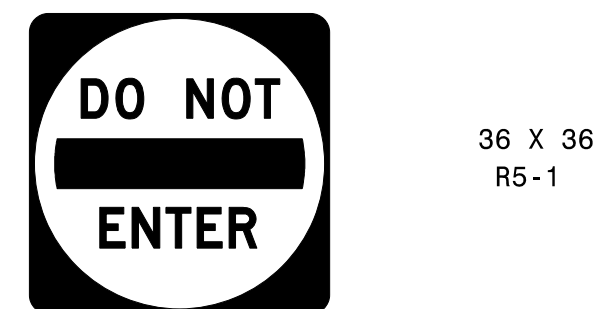
MOUNTED ON EXISTING POST

403 QUANTITY REQ'D 1



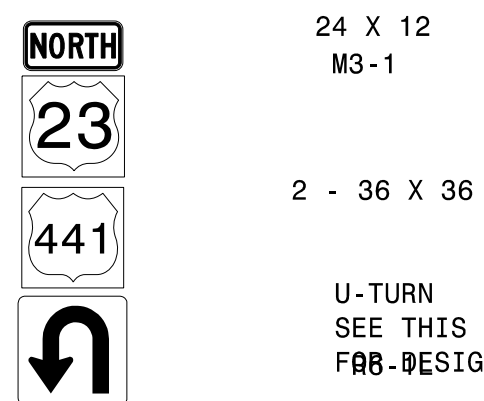
TWO "U" POSTS PER SIGN

404 QUANTITY REQ'D 2



TWO "U" POSTS PER SIGN

405 QUANTITY REQ'D 1



U-TURN  
SEE THIS SHEET  
F&B-DESIGN

TWO "U" POSTS PER SIGN

501 QUANTITY REQ'D 2



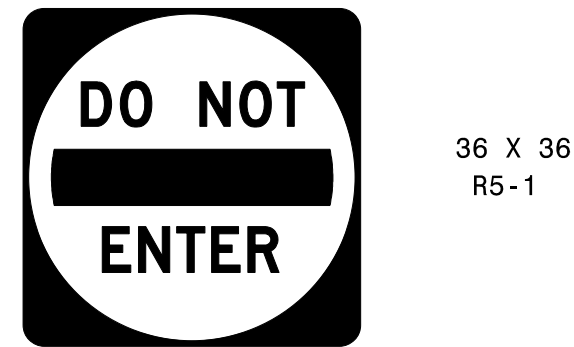
ONE "U" POSTS PER SIGN

502 QUANTITY REQ'D 2



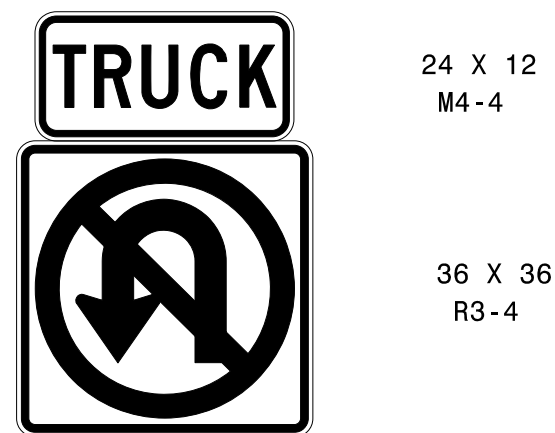
ONE "U" POSTS PER SIGN

503 QUANTITY REQ'D 1



ONE "U" POSTS PER SIGN

504 QUANTITY REQ'D 2



ONE "U" POSTS PER SIGN

SIGN NUMB: \_\_\_\_\_  
 TYPE: F Ground  
 QUANTITY: 1  
 SIGN WIDTH: 1'-9"  
 HEIGHT: 1'-9"  
 TOTAL AREA: 3.1 Sq.Ft.  
 MATT: 0.063" ALUMINUM  
 BORDER TYPE: RECESSED  
 RECESS: 0.38"  
 WIDTH: 0.45"  
 RADII: 1.5"  
 NO. Z BARS:  
 LENGTH:

BACKG. COLOR: White  
 COPY COLOR: Black

DESIGN BY:  
 PROJECT ID:

CHK BY:  
 DIV:

STD #:  
 DATE:

N. C. DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 TRANSPORTATION SAFETY & SAFETY  
 EQUIPMENT & QUALIFICATION UNIT

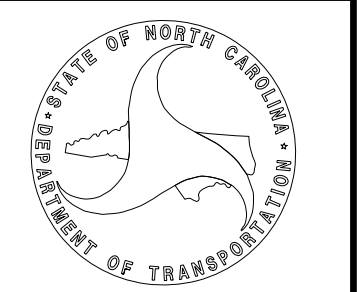
SYMBOL	X	Y	WID	HT
arrow	3.7	3.3	12.7	13.9

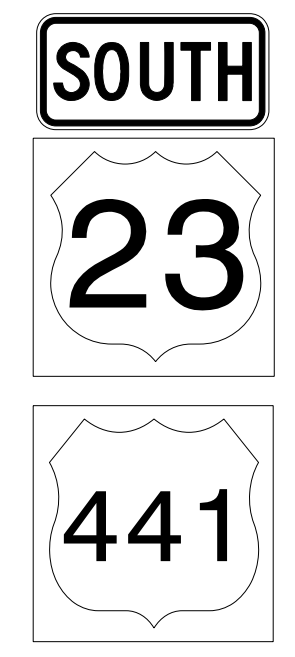
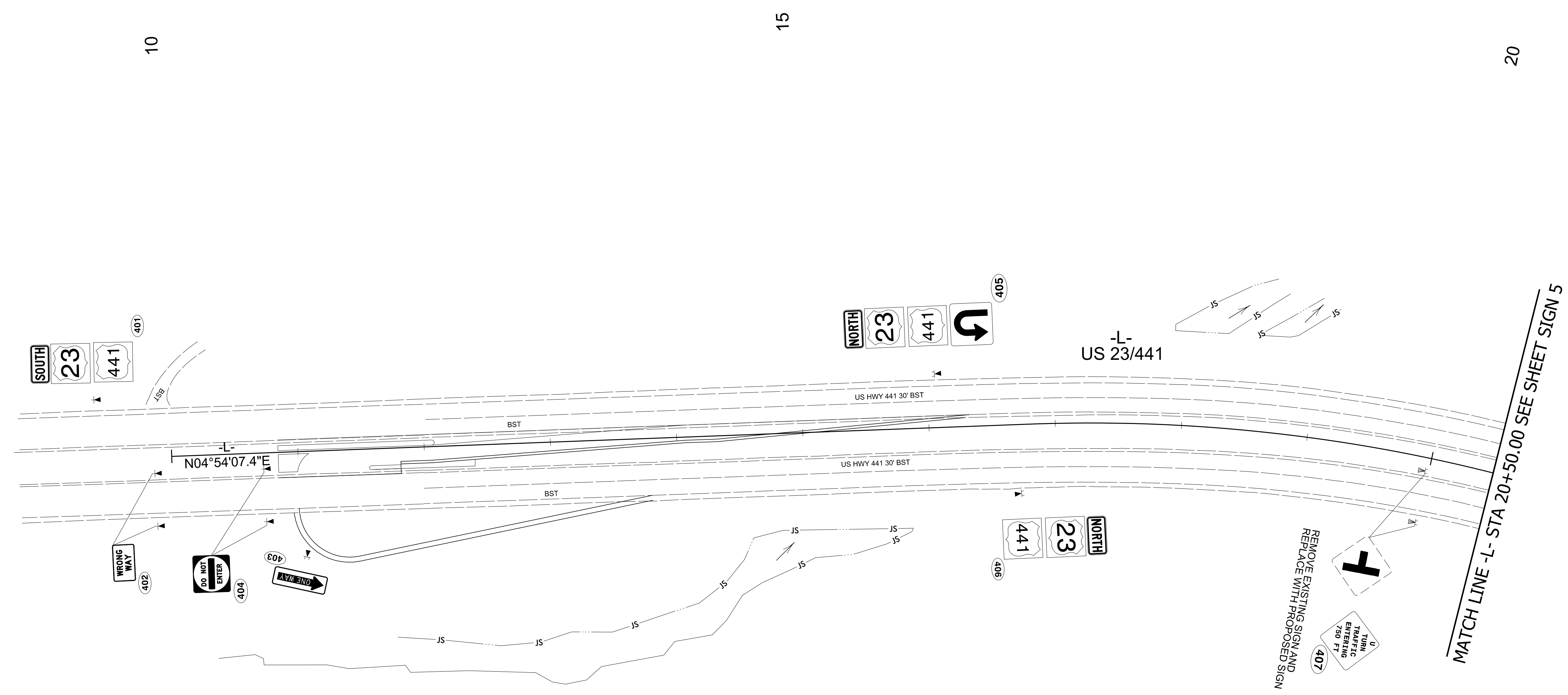
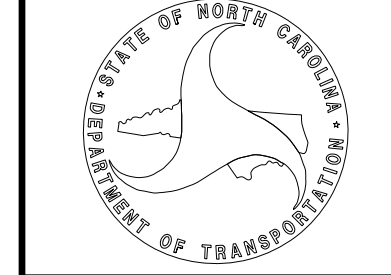
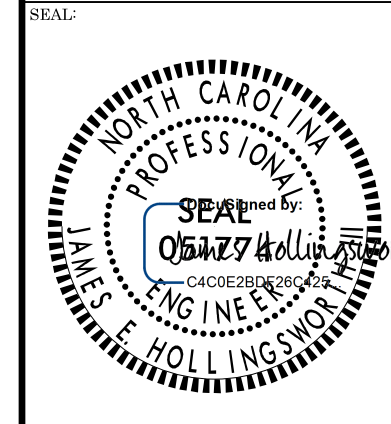
NOTES:  
 1. Legend and border shall be direct applied  
 Non-reflective sheeting.  
 2. Background shall be Grade C reflective sheeting.

Arrow Details

ARROW DIMENSIONS (INCHES)	F	G	H	M	N	P	Q	R
	2.625	2.625	8.659	5.25	3	5.25	0.375	0.5

Spacing Factor is 1 unless specified otherwise  
 FILENAME: 00000





401



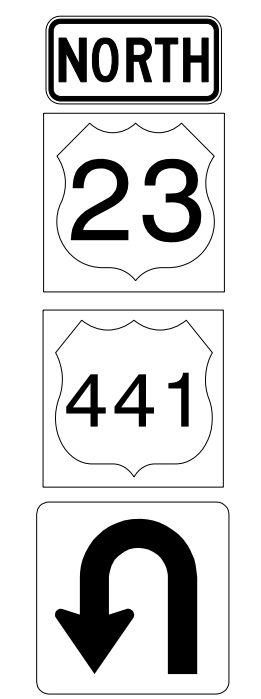
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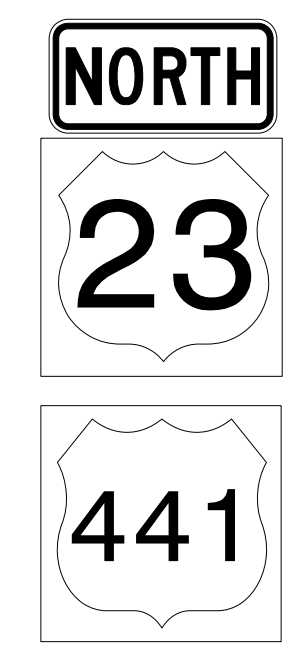
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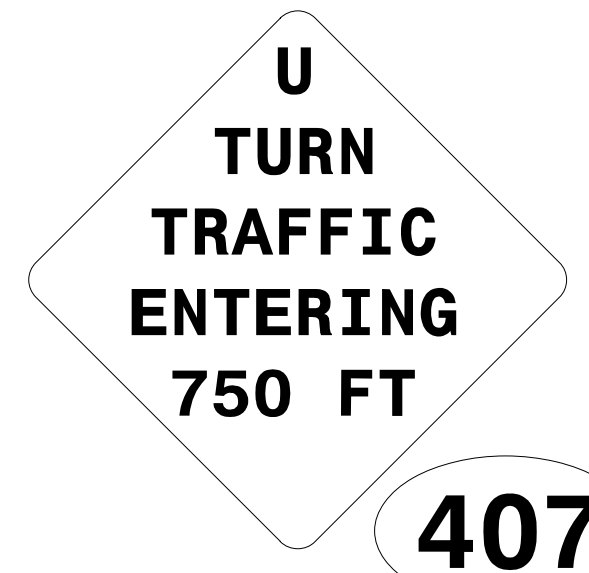
404



405

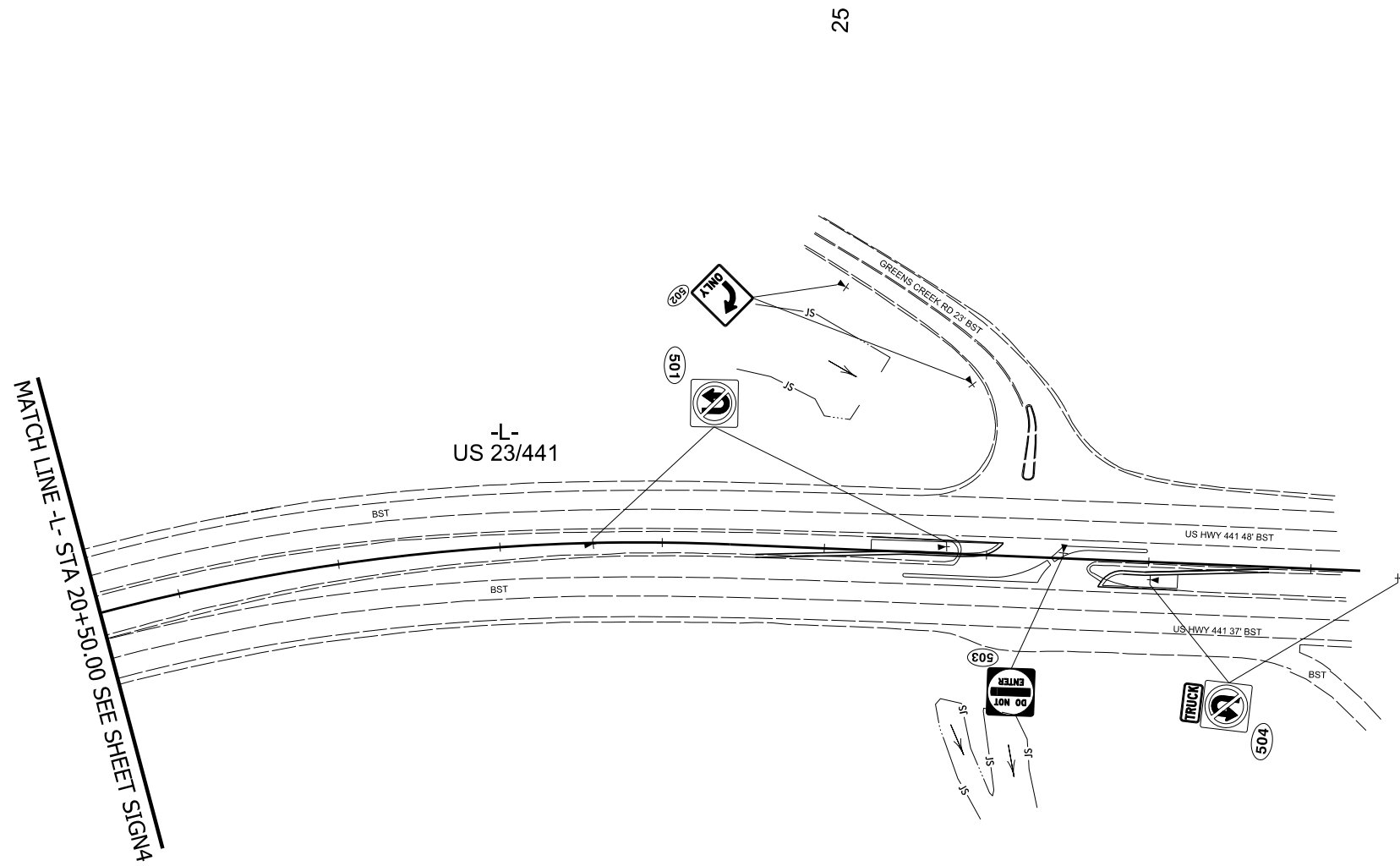


406



407

MATCH LINE - L - STA 20+50.00 SEE SHEET SIGN 5



25

-L-  
US 23/441

MATCH LINE - L- STA 20+50.00 SEE SHEET SIGN4



501



502



503



504

