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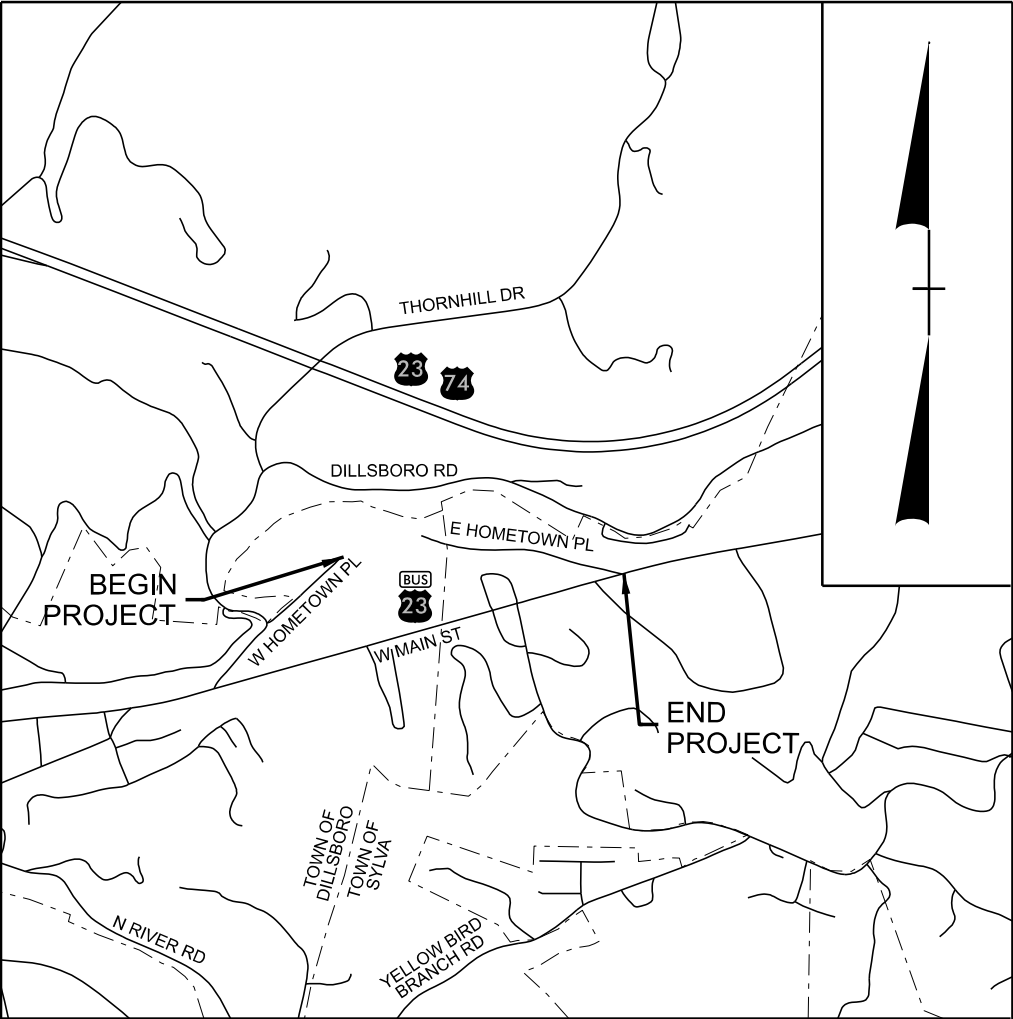
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TIP PROJECT: BN-0003

CONTRACT: DN01160

See Sheet 1A For Index of Sheets



VICINITY MAP (NTS)

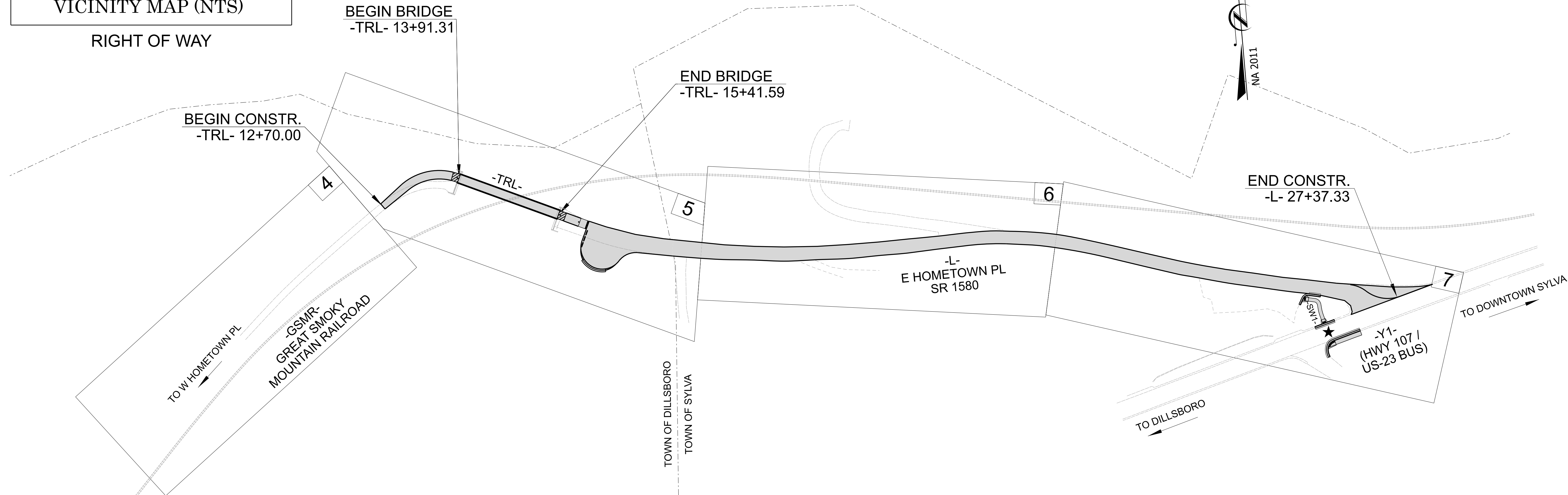
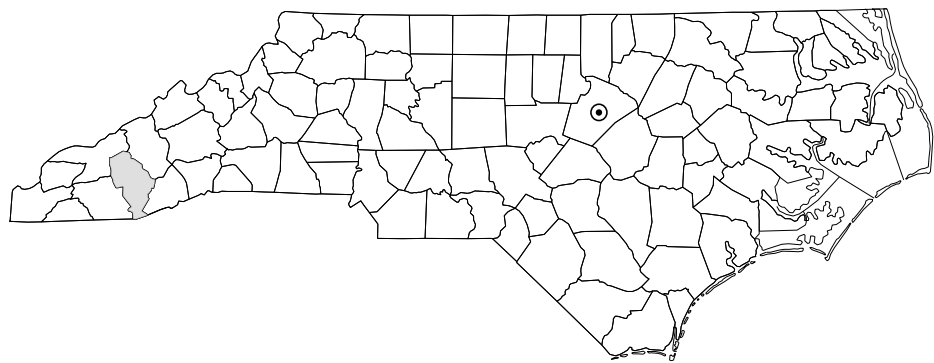
RIGHT OF WAY

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

JACKSON COUNTY

LOCATION: *SR 1580 (E HOMETOWN PL) FROM US 23 BUS (W MAIN ST)  
TO EXISTING TRAIL*  
TYPE OF WORK: *GRADING, DRAINAGE, PAVING, SIGNALS,  
AND STRUCTURES*

| STATE           | STATE PROJECT REFERENCE NO. | SHEET NO.   | TOTAL SHEETS |
|-----------------|-----------------------------|-------------|--------------|
| N.C.            | BN-0003                     | 11          |              |
| STATE PROJ. NO. | F. A. PROJ. NO.             | DESCRIPTION |              |
| 51143.1.1       | 5114301                     | P.E.        |              |
| 51143.2.1       |                             | R.O.W.      |              |
| 51143.3.1       |                             | CONST.      |              |
|                 |                             |             |              |
|                 |                             |             |              |
|                 |                             |             |              |



THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARY OF DILLSBORO AND SYLVA  
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II  
THIS PROJECT HAS NO CONTROLLED ACCESS

★ PROPOSED RRFB

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



PLANS



PROFILE (HORIZONTAL)



PROFILE (VERTICAL)

PROJECT LENGTH

LENGTH OF TRAIL TIP PROJECT BN-0003 = 0.246 MILES  
LENGTH OF STRUCTURE TIP PROJECT BN-0003 = 0.032 MILES  
TOTAL LENGTH OF TIP PROJECT BN-0003 = 0.278 MILES



Prepared in the Office of:  
The John R. McAdams Company, Inc.  
621 Hillsborough Street Suite 500 Raleigh, NC 27603  
N.C.B.E.L.S. License Number: C-0293

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:  
N/A

LETTING DATE:  
SEPT. 22, 2026

CHRISTY STAUDT, PE  
PROJECT ENGINEER

GRAHAM BRUNS, PE  
PROJECT DESIGN ENGINEER

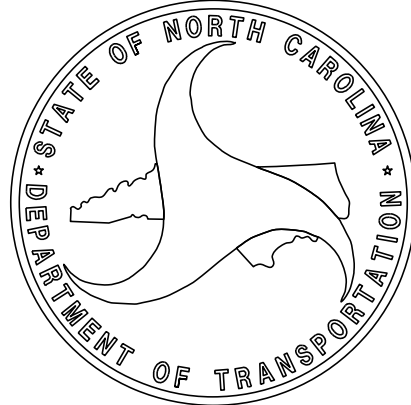
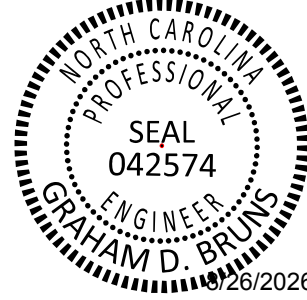
LONNIE WATKINS, PE  
NCDOT CONTACT

HYDRAULICS ENGINEER

Signed by:  
Eric Leunhart  
1A66D51D3E804D4... P.E.  
SIGNATURE:

ROADWAY DESIGN ENGINEER

Signed by:  
Graham D. Bruns  
0605E5DA3EA14AB... P.E.  
SIGNATURE:





| 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 THRU 2B-2     | ROADWAY DETAILS                                       |
| 2C-1 THRU 2C-2     | SPECIAL DETAILS                                       |
| 3B-1               | ROADWAY SUMMARIES                                     |
| 3D-1               | DRAINAGE SUMMARIES                                    |
| 3P-1               | PARCEL INDEX SHEET                                    |
| 4 THRU 7           | PLAN AND PROFILE SHEET                                |
| RW-01 THRU RW-07   | ROW PLAN SHEETS                                       |
| TMP-01 THRU TMP-02 | TRAFFIC MANAGEMENT PLANS                              |
| PMP-1 THRU PMP-5   | PAVEMENT MARKING PLANS                                |
| EC-1 THRU EC-11    | EROSION CONTROL PLANS                                 |
| RF-1               | REFORESTATION PLANS                                   |
| X-1 THRU X-4       | CROSS-SECTIONS                                        |
| S-1 THRU S-9       | STRUCTURES PLANS                                      |

CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS.  
CONSTRUCT ALL CURB RAMPS ACCORDANCE WITH STD 848.06.

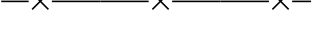
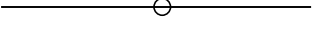
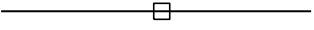
|        |                                                                                    |
|--------|------------------------------------------------------------------------------------|
| 838.01 | Concrete Endwall for Single and Double Pipe Culverts - 15" thru 48" Pipe - 90°Skew |
| 846.01 | Concrete Curb, Gutter and Curb & Gutter                                            |
| 848.01 | Concrete Sidewalk (Use Detail in Lieu of Standard for Sheet 1 of 1)                |
| 848.06 | Curb Ramp (Use Details in Lieu of Standards for Sheets 9 and 10 of 13)             |
| 866.01 | Chain Link Fence - 4', 5' and 6' High Fence                                        |
| 876.01 | Rip Rap in Channels and Ditches                                                    |
| 876.02 | Guide for Rip Rap at Pipe Outlets                                                  |

## REVISIONS

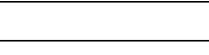
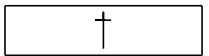
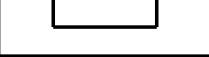
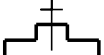


*Note: Not to Scale*

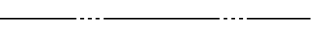
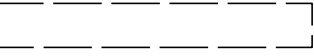
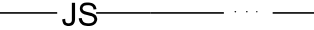
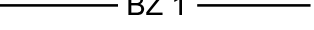
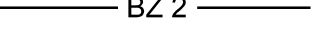
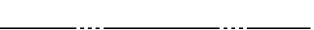
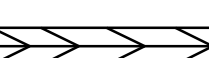
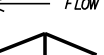
**BOUNDARIES AND PROPERTY:**

|                                       |                                                                                     |
|---------------------------------------|-------------------------------------------------------------------------------------|
| 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 |  |

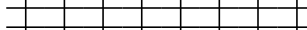
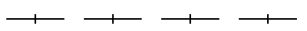
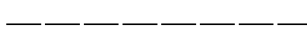
**BUILDINGS AND OTHER CULTURE:**

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

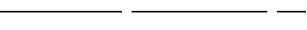
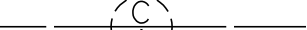
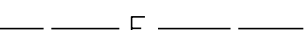
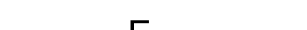
**HYDROLOGY:**

|                                    |                                                                                     |
|------------------------------------|-------------------------------------------------------------------------------------|
| 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                         |  |

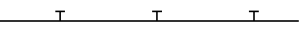
**RAILROADS:**

|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| Standard Gauge     |  |
| RR Signal Milepost |  |
| Switch             |  |
| RR Abandoned       |  |
| RR Dismantled      |  |

**RIGHT OF WAY & PROJECT CONTROL:**

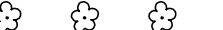
|                                                      |                                                                                       |
|------------------------------------------------------|---------------------------------------------------------------------------------------|
| Primary Horiz 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                  |  |
| Permanent Easement                                   |  |

**ROADS AND RELATED FEATURES:**

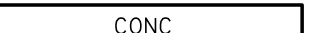
|                            |                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------|
| Existing Edge of Pavement  |  |
| Existing Curb              |  |
| 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           |  |
| <b>VEGETATION:</b>         |                                                                                       |
| Single Tree                |  |
| Single Shrub               |  |
| Hedge                      |  |

# STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

## CONVENTIONAL PLAN SHEET SYMBOLS

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

**EXISTING STRUCTURES:**

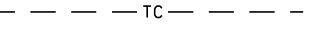
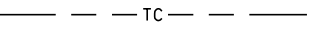
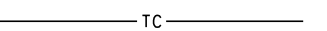
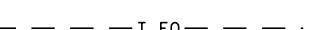
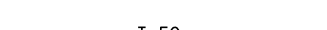
|                                          |                                                                                     |
|------------------------------------------|-------------------------------------------------------------------------------------|
| MAJOR:                                   |                                                                                     |
| 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:**

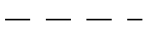
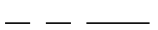
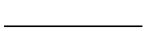
*\* SUE - Subsurface Utility Engineering  
LOS - Level of Service - A,B,C or D (Accuracy)*

|                                         |                                                                                       |
|-----------------------------------------|---------------------------------------------------------------------------------------|
| 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)*           |  |

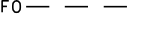
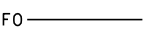
**TELEPHONE:**

|                                        |                                                                                       |
|----------------------------------------|---------------------------------------------------------------------------------------|
| 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)*  |  |

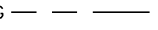
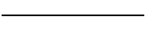
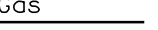
**WATER:**

|                                         |                                                                                     |
|-----------------------------------------|-------------------------------------------------------------------------------------|
| 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)*           |  |

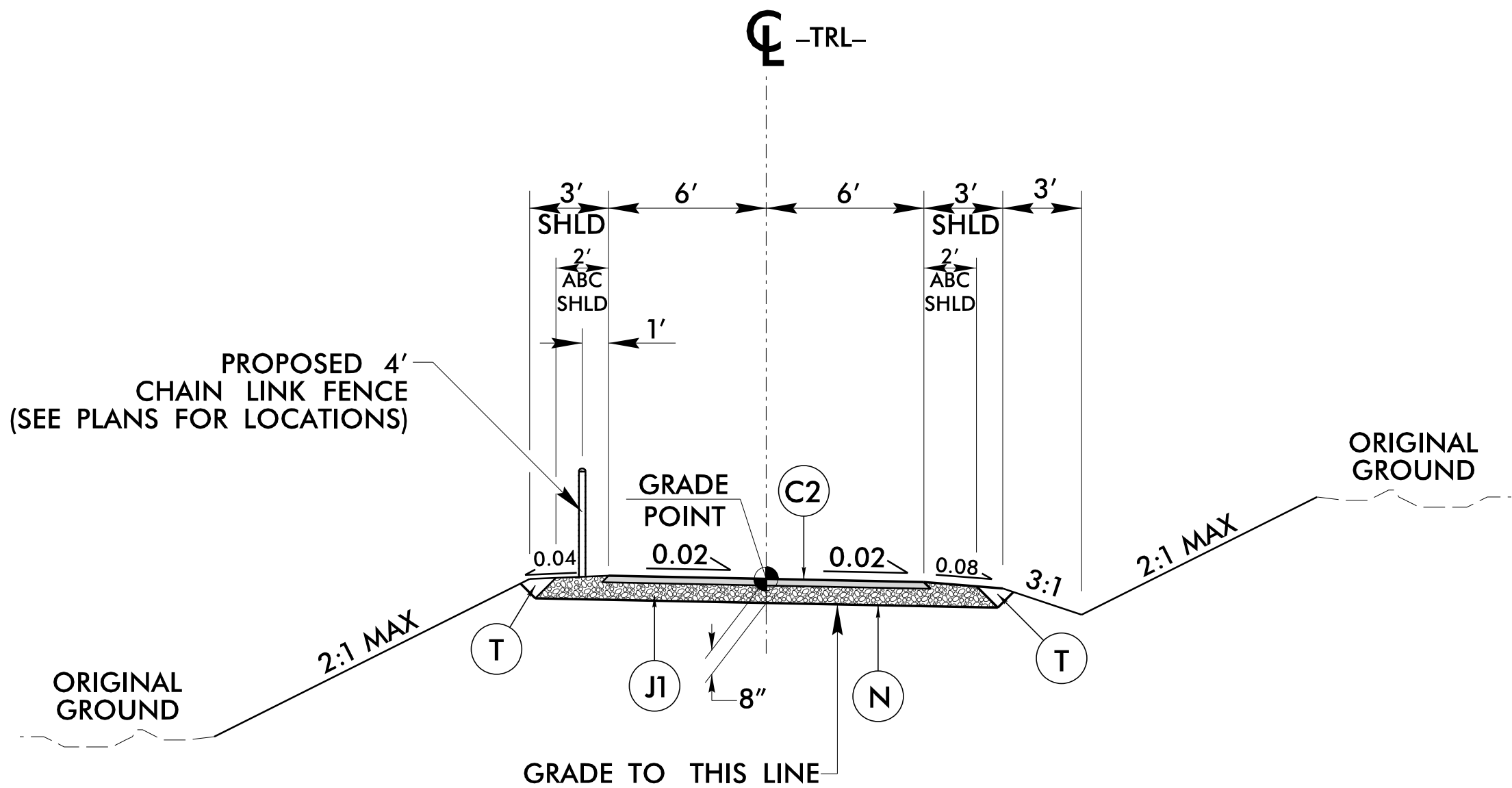
**MISCELLANEOUS:**

|                                         |                                                                                       |
|-----------------------------------------|---------------------------------------------------------------------------------------|
| 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               |  |
| Geoenviromental Boring                  |  |
| Abandoned According to Utility Records  |  |
| End of Information                      |  |

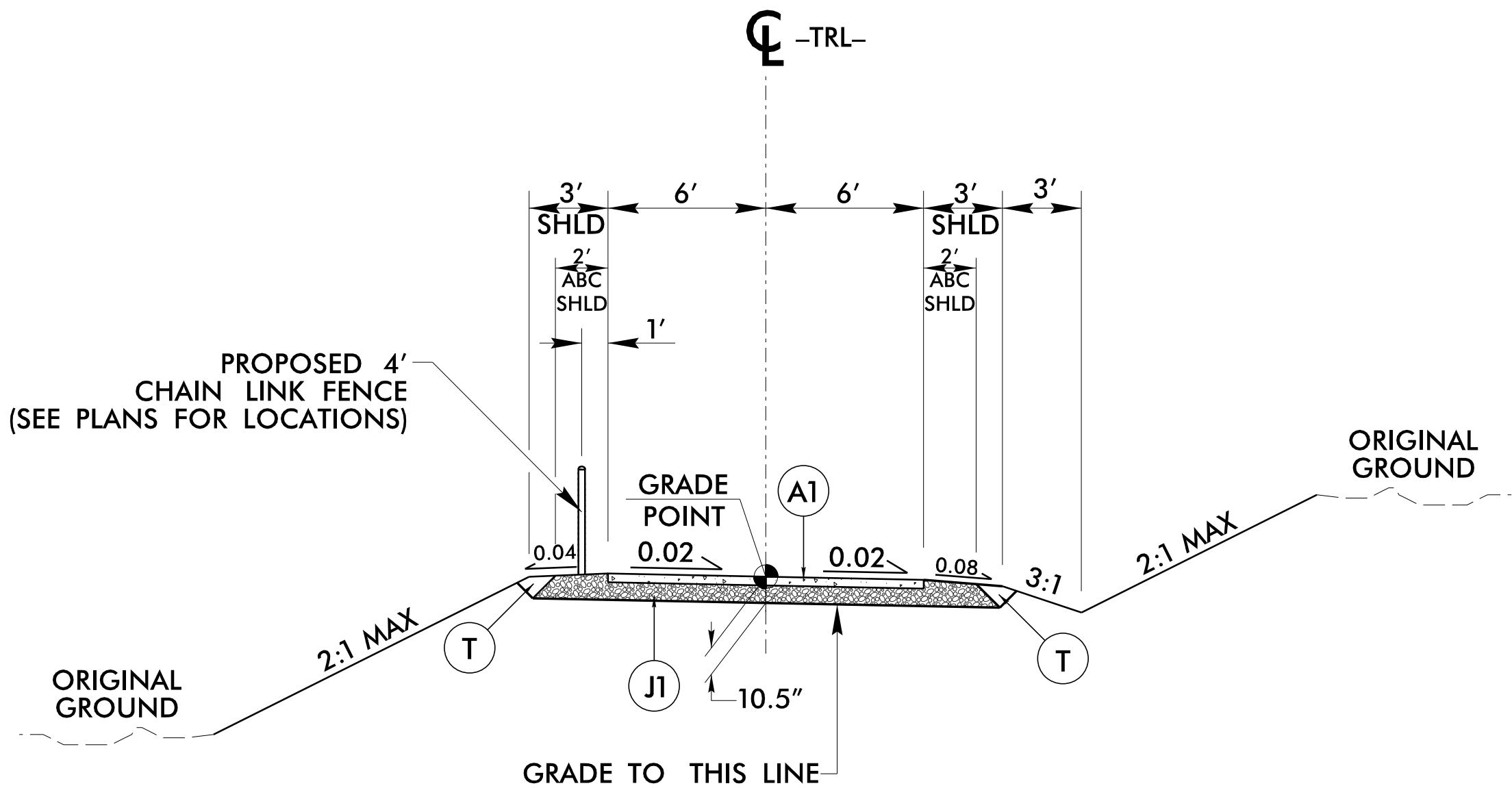


| PAVEMENT SCHEDULE             |                                                                                                                                                                                                     |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (PRELIMINARY PAVEMENT DESIGN) |                                                                                                                                                                                                     |
| A1                            | PROP 4.5" PORTLAND CEMENT (TYP) CONCRETE PAVEMENT WITH WELDED WIRE MESH                                                                                                                             |
| C1                            | PROP APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.                                                                                           |
| C2                            | PROP APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. IN EACH OF TWO LAYERS                                                                       |
| C3                            | 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                                                                       |
| C4                            | PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH TO BE PLACED IN LAYERS NOT LESS THAN 1" AND GREATER THAN 1.5" IN DEPTH.       |
| D1                            | PROP APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.                                                                                       |
| D2                            | PROP. VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH TO BE PLACED IN LAYERS NOT LESS THAN 2.5" AND GREATER THAN 4" IN DEPTH. |
| E1                            | PROP APPROX. 5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.                                                                                               |
| E2                            | PROP. VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH TO BE PLACED IN LAYERS NOT LESS THAN 3" AND GREATER THAN 5.5" IN DEPTH.         |
| J1                            | PROP. 6" AGGREGATE BASE COURSE                                                                                                                                                                      |
| N                             | GEOTEXTILE FOR SOIL STABILIZATION                                                                                                                                                                   |
| R1                            | 2'-6" CONCRETE CURB AND GUTTER                                                                                                                                                                      |
| R2                            | EXPRESSWAY GUTTER                                                                                                                                                                                   |
| S                             | 4" CONCRETE SIDEWALK                                                                                                                                                                                |
| T                             | EARTH MATERIAL                                                                                                                                                                                      |
| U                             | EXISTING PAVEMENT                                                                                                                                                                                   |
| V1                            | MILLING ASPHALT PAVEMENT, 1.5" DEPTH                                                                                                                                                                |
| V2                            | INCIDENTAL MILLING ASPHALT PAVEMENT                                                                                                                                                                 |
| W                             | VARIABLE DEPTH ASPHALT PAVEMENT (SEE STANDARD WEDGING DETAIL)                                                                                                                                       |

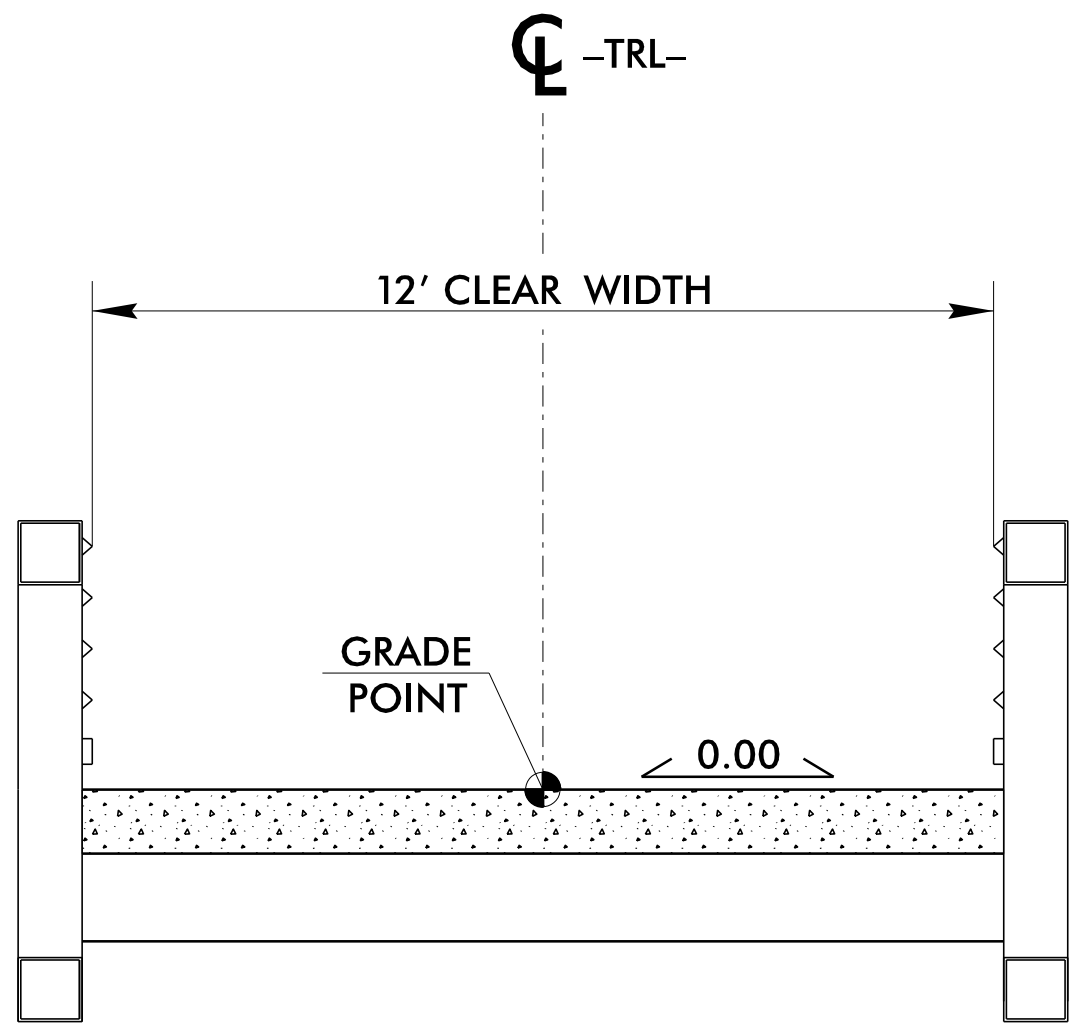
- NOTES:
- PAVEMENT EDGE SLOPES ARE 1:1 UNLESS OTHERWISE NOTED.



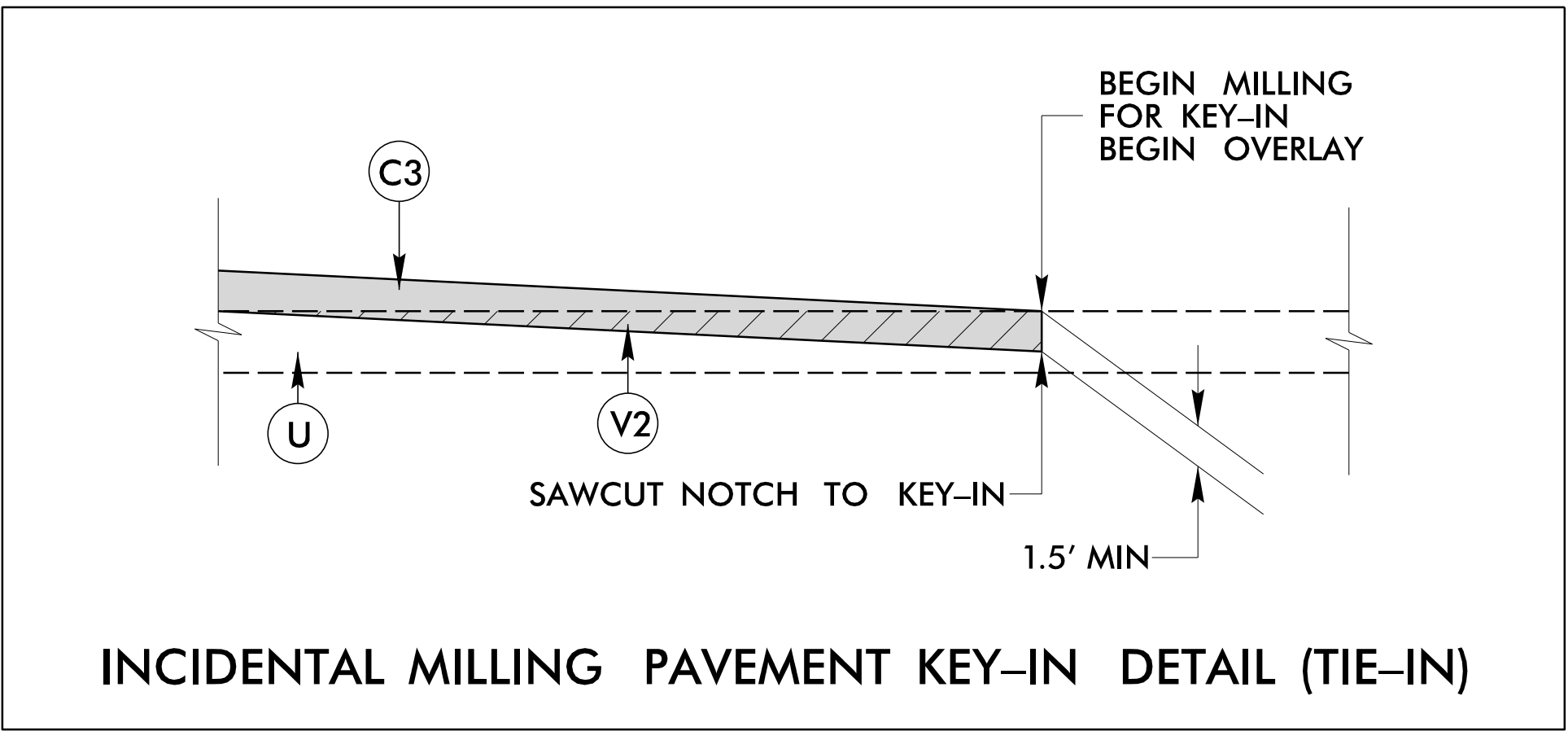
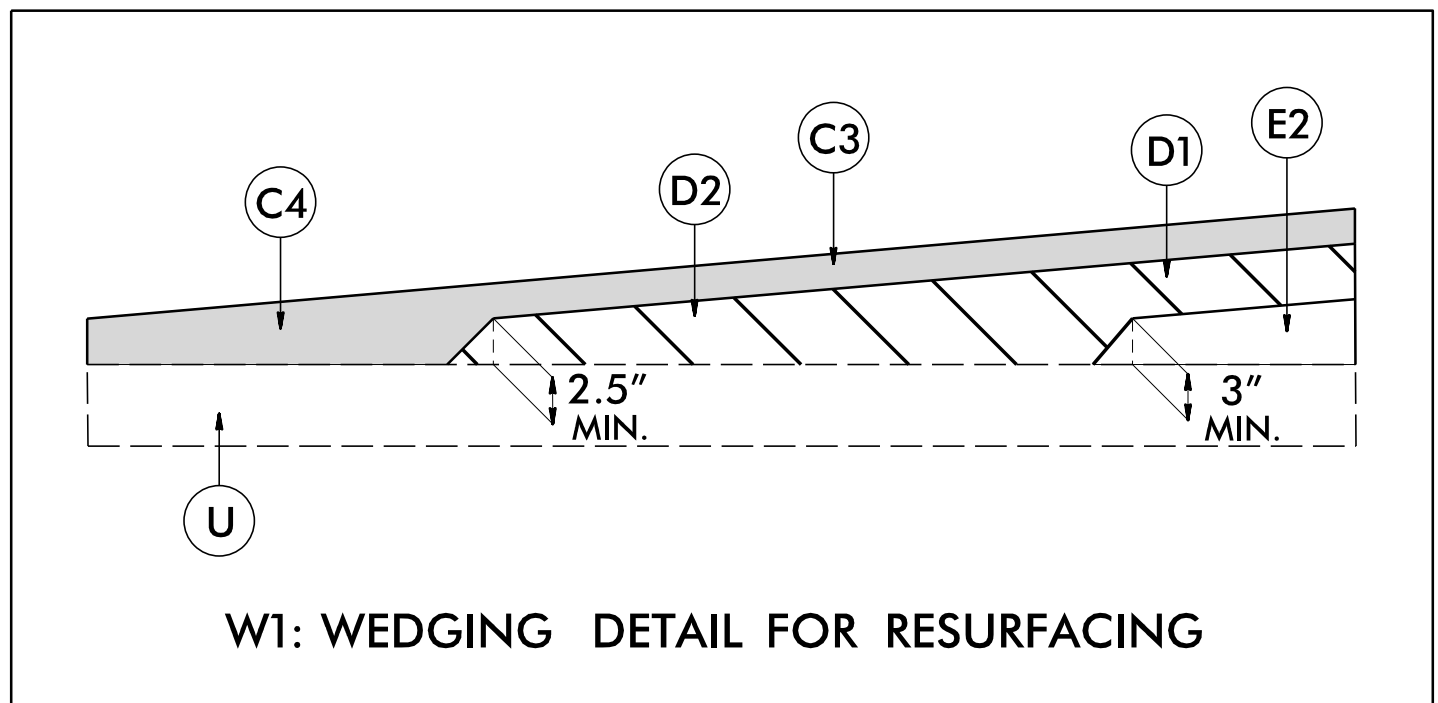
TYPICAL SECTION NO. 1 (12' ASPHALT TRAIL)  
-TRL- STA. 12 + 70.00 TO (BEGIN BRIDGE) STA. 13 + 92 ±  
-TRL- STA. 15 + 41 ± (END BRIDGE) TO STA. 15 + 72.59



TYPICAL SECTION NO. 2 (12' CONCRETE TRAIL)  
-TRL- STA. 15 + 72.59 TO STA. 15 + 84.59



TYPICAL SECTION NO. 3 (PEDESTRIAN BRIDGE)  
-TRL- STA. 13 + 91.31 (BEGIN BRIDGE) TO STA. 15 + 41.59 (END BRIDGE)  
(SEE STRUCTURE PLANS FOR BRIDGE DETAILS)



-L- STA. 16 + 54.00 TO STA. 16 + 79.00

STATION RANGE IS APPROXIMATE.  
GRADE MAY BE ADJUSTED BY ENGINEER  
TO ENSURE A PROPER TIE-IN

BN-0003

2A-1

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
JACKSON COUNTY

ROADWAY DESIGN UNIT

ROADWAY DESIGN  
ENGINEER

PROFESSIONAL  
ENGINEER  
SEAL 042574  
7/31/2026  
GUYHAM D. BRUNS

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

PREPARED BY

McADAMS  
621480borough Street Suite 500 Raleigh, NC 27603  
N.C.E.E.L.S. License Number: C-0293

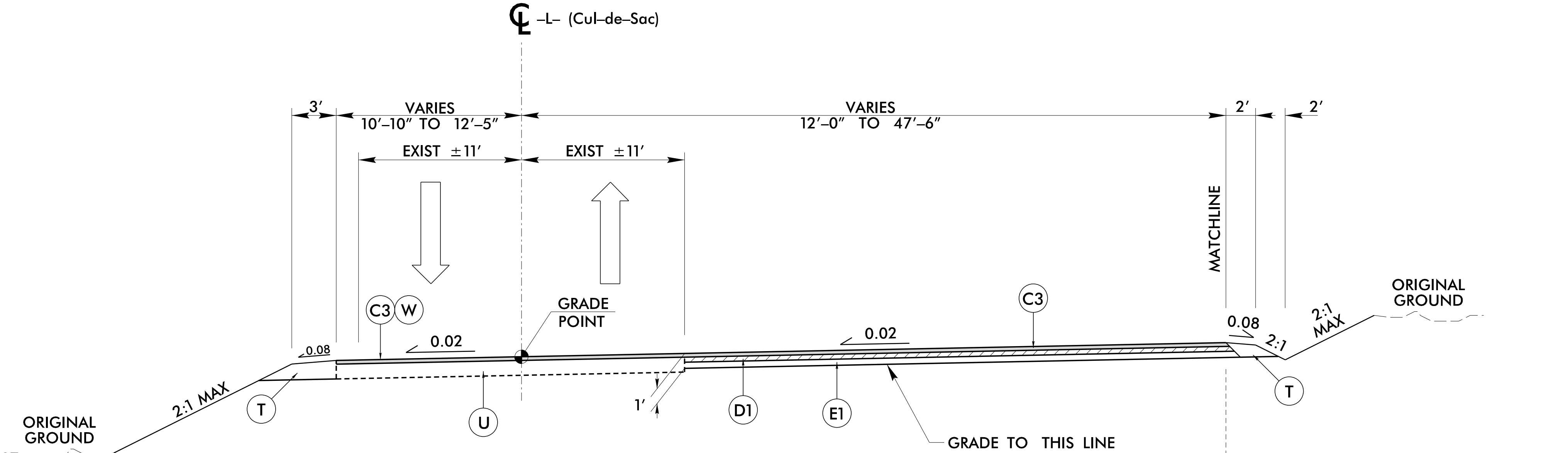
REVISIONS



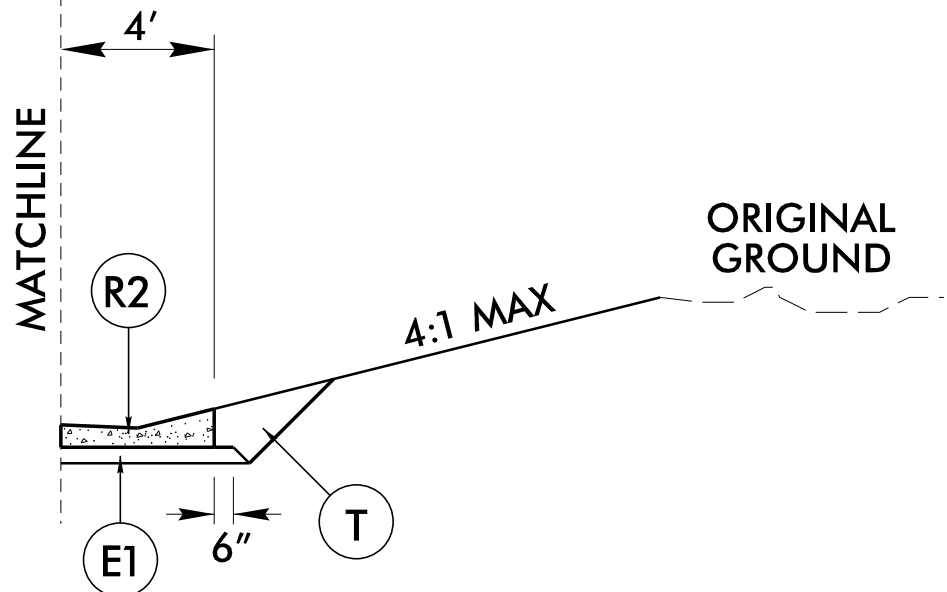
11/14/23

| PAVEMENT SCHEDULE             |                                                                                                                                                                                                     |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (PRELIMINARY PAVEMENT DESIGN) |                                                                                                                                                                                                     |
| A1                            | PROP 4.5" PORTLAND CEMENT (TYP) CONCRETE PAVEMENT WITH WELDED WIRE MESH                                                                                                                             |
| C1                            | PROP APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.                                                                                           |
| C2                            | PROP APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. IN EACH OF TWO LAYERS                                                                       |
| C3                            | 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                                                                       |
| C4                            | PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH TO BE PLACED IN LAYERS NOT LESS THAN 1" AND GREATER THAN 1.5" IN DEPTH.       |
| D1                            | PROP APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.                                                                                       |
| D2                            | PROP. VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH TO BE PLACED IN LAYERS NOT LESS THAN 2.5" AND GREATER THAN 4" IN DEPTH. |
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| J1                            | PROP. 6" AGGREGATE BASE COURSE                                                                                                                                                                      |
| N                             | GEOTEXTILE FOR SOIL STABILIZATION                                                                                                                                                                   |
| R1                            | 2'-6" CONCRETE CURB AND GUTTER                                                                                                                                                                      |
| R2                            | EXPRESSWAY GUTTER                                                                                                                                                                                   |
| S                             | 4" CONCRETE SIDEWALK                                                                                                                                                                                |
| T                             | EARTH MATERIAL                                                                                                                                                                                      |
| U                             | EXISTING PAVEMENT                                                                                                                                                                                   |
| V1                            | MILLING ASPHALT PAVEMENT, 1.5" DEPTH                                                                                                                                                                |
| V2                            | INCIDENTAL MILLING ASPHALT PAVEMENT                                                                                                                                                                 |
| W                             | VARIABLE DEPTH ASPHALT PAVEMENT (SEE STANDARD WEDGING DETAIL)                                                                                                                                       |

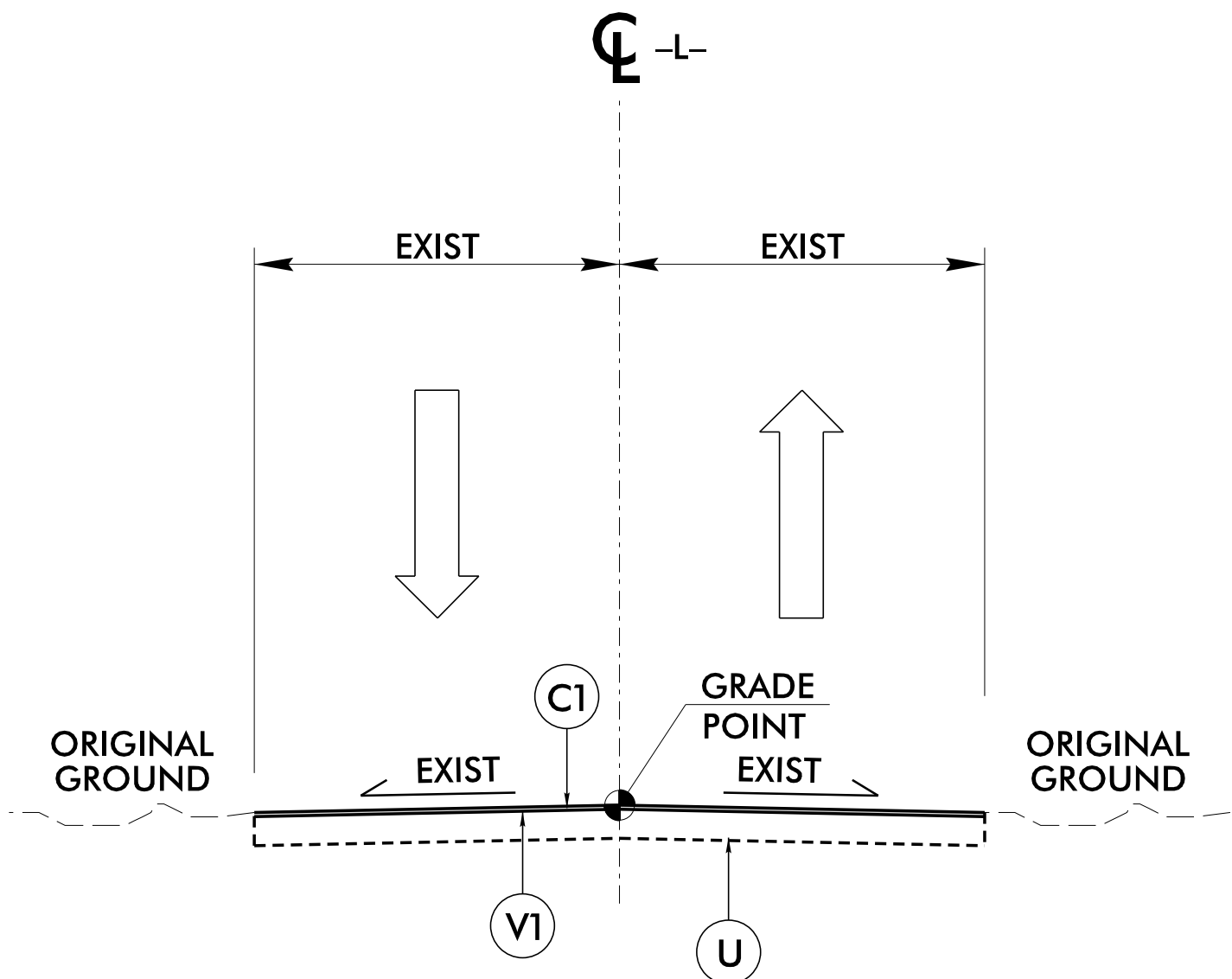
- NOTES:
- PAVEMENT EDGE SLOPES ARE 1:1 UNLESS OTHERWISE NOTED.



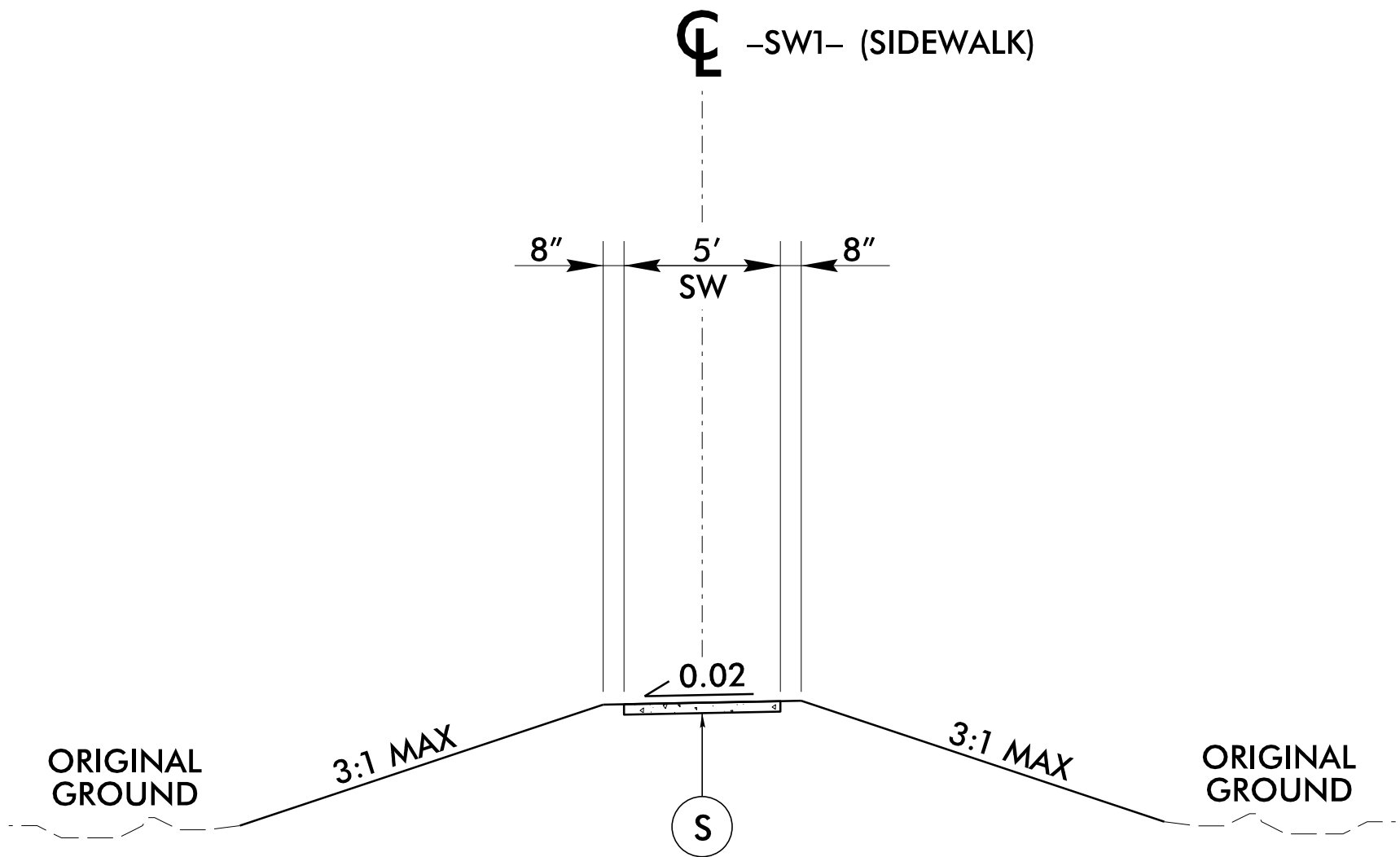
TYPICAL SECTION NO. 4 (Cul-de-Sac)  
-L- STA. 15 + 84.59 TO STA. 16 + 79.55



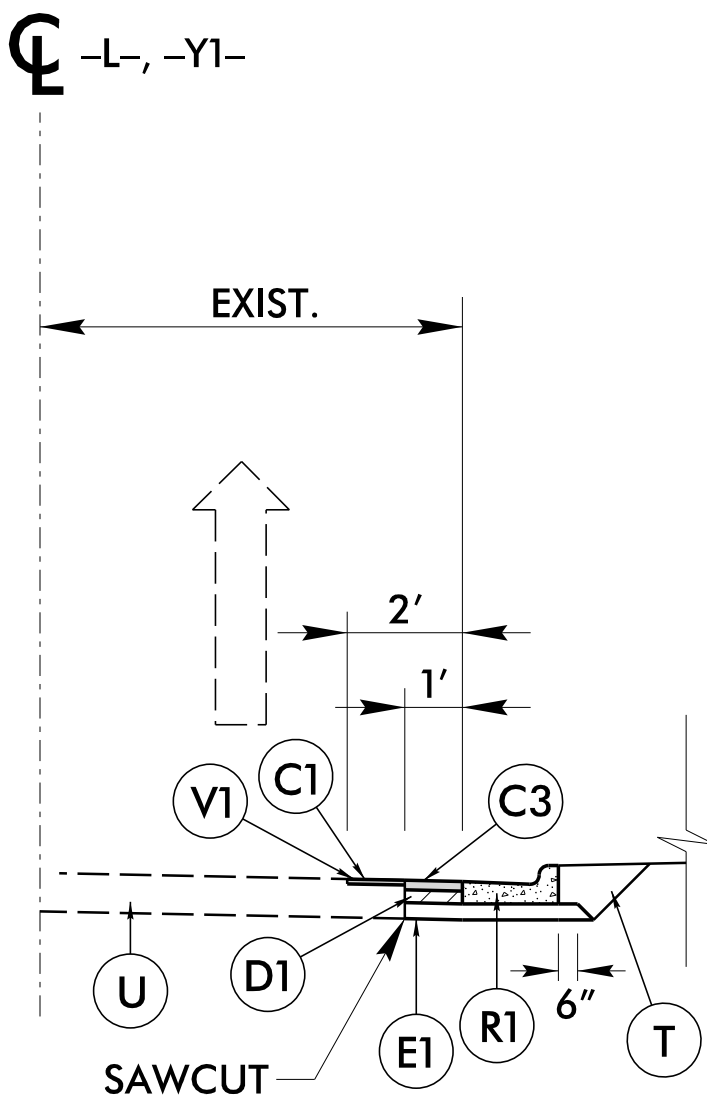
EXPRESSWAY GUTTER DETAIL NO. 4A (Cul-de-Sac)  
SEE PLANS FOR LOCATIONS



TYPICAL SECTION NO. 5  
-L- STA. 16 + 79.55 TO STA. 27 + 37.51



TYPICAL SECTION NO. 6 (SIDEWALK)  
-SW1- STA. 10 + 28.82 TO STA. 10 + 68.61



SAWCUT DETAIL  
-L- STA 26 + 13.74 TO STA 26 + 25.89  
-Y1- 10 + 52.10 TO STA 10 + 81.10 (MIRRORED)  
-Y1- STA 10 + 55.24 TO STA 11 + 10

BN-0003

2A-2

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
JACKSON COUNTY

ROADWAY DESIGN UNIT

ROADWAY DESIGN  
ENGINEER

PROFESSIONAL  
SEAL  
042574  
GRIFFIN D. BRUNS  
ENGINEER  
8/26/2026

DOCUMENT NOT CONSIDERED FINAL  
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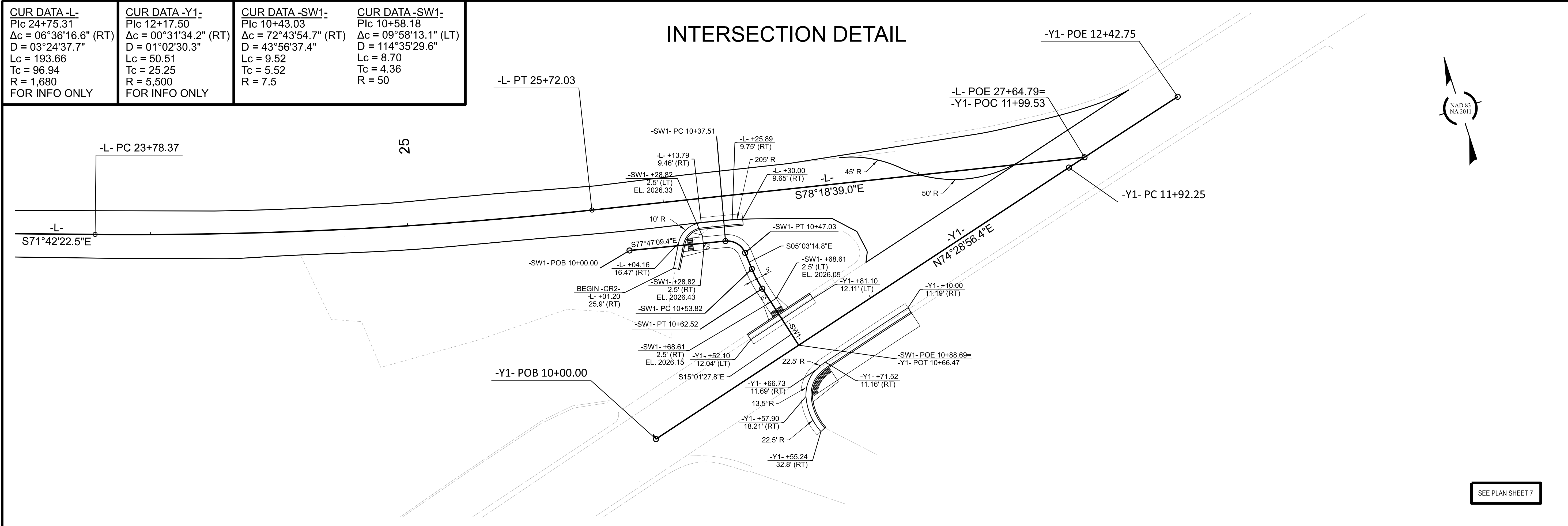
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621 Hibernian Street Suite 500 Raleigh, NC 27603  
N.C.E.E.L.S. License Number: C-0255

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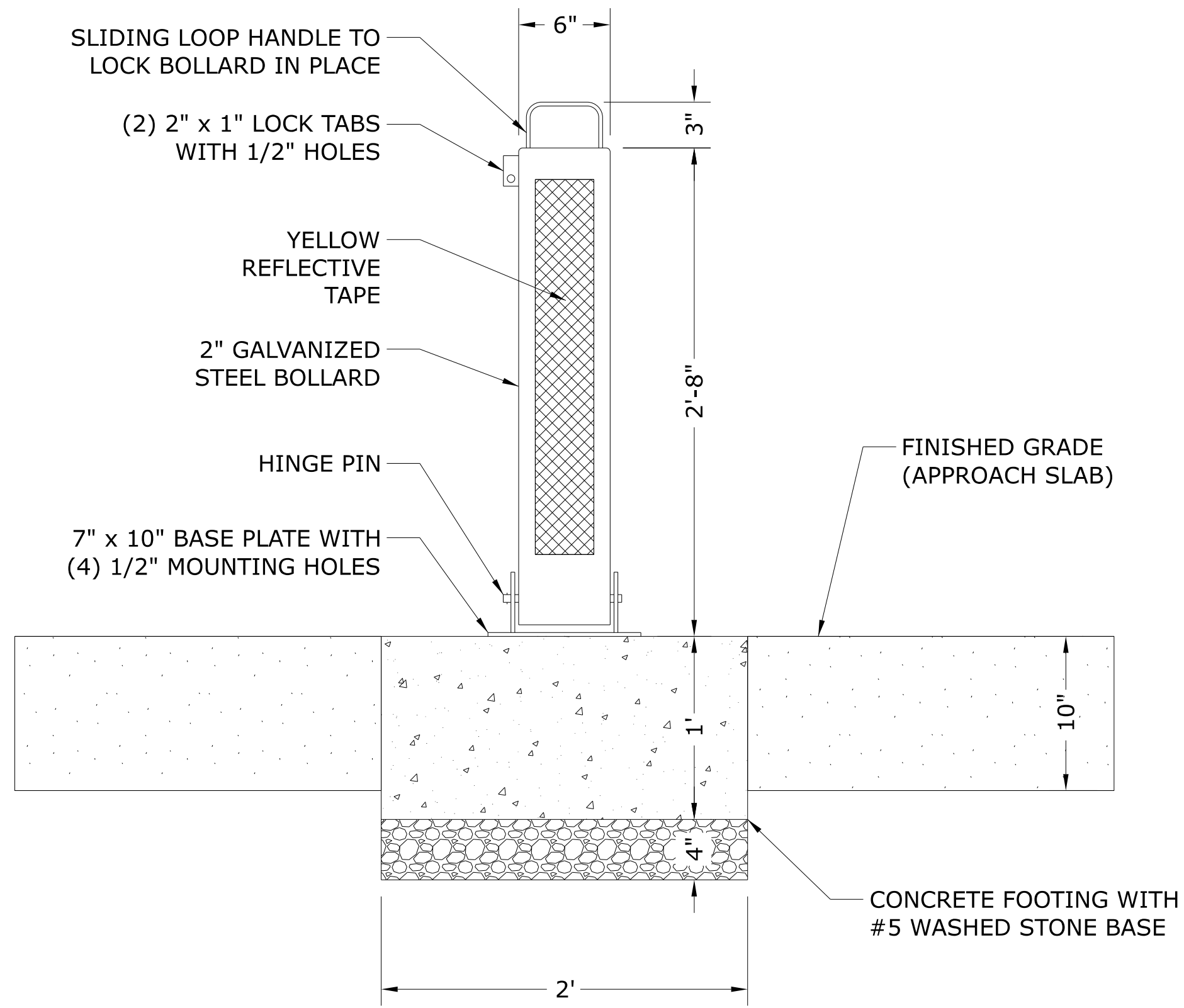
11/14/23

|                                                                                                                                            |                                                                                                                                            |                                                                                                                        |                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>CUR DATA -L-</b><br>Plc 24+75.31<br>Δc = 06°36'16.6" (RT)<br>D = 03°24'37.7"<br>Lc = 193.66<br>Tc = 96.94<br>R = 1,680<br>FOR INFO ONLY | <b>CUR DATA -Y1-</b><br>Plc 12+17.50<br>Δc = 00°31'34.2" (RT)<br>D = 01°02'30.3"<br>Lc = 50.51<br>Tc = 25.25<br>R = 5,500<br>FOR INFO ONLY | <b>CUR DATA -SW1-</b><br>Plc 10+43.03<br>Δc = 72°43'54.7" (RT)<br>D = 43°56'37.4"<br>Lc = 9.52<br>Tc = 5.52<br>R = 7.5 | <b>CUR DATA -SW1-</b><br>Plc 10+58.18<br>Δc = 09°58'13.1" (LT)<br>D = 114°35'29.6"<br>Lc = 8.70<br>Tc = 4.36<br>R = 50 |
|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|





11/14/23



- NOTE:
1. BOLLARD WILL BE PROVIDED BY THE TOWN OF DILLSBORO, AND INSTALLED BY CONTRACTOR.
  2. YELLOW REFLECTIVE TAPE TO BE APPLIED ON BOTH SIDE OF BOLLARD
  3. CONCRETE FOOTING TO MEASURE 2'-0" x 2'-0" SQUARE.

# 1 COLLAPSIBLE BOLLARD DETAIL

NOT TO SCALE

BN-0003

2B-2

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
JACKSON COUNTY

ROADWAY DESIGN UNIT

ROADWAY DESIGN  
ENGINEER

SEAL  
042574  
7/31/2028

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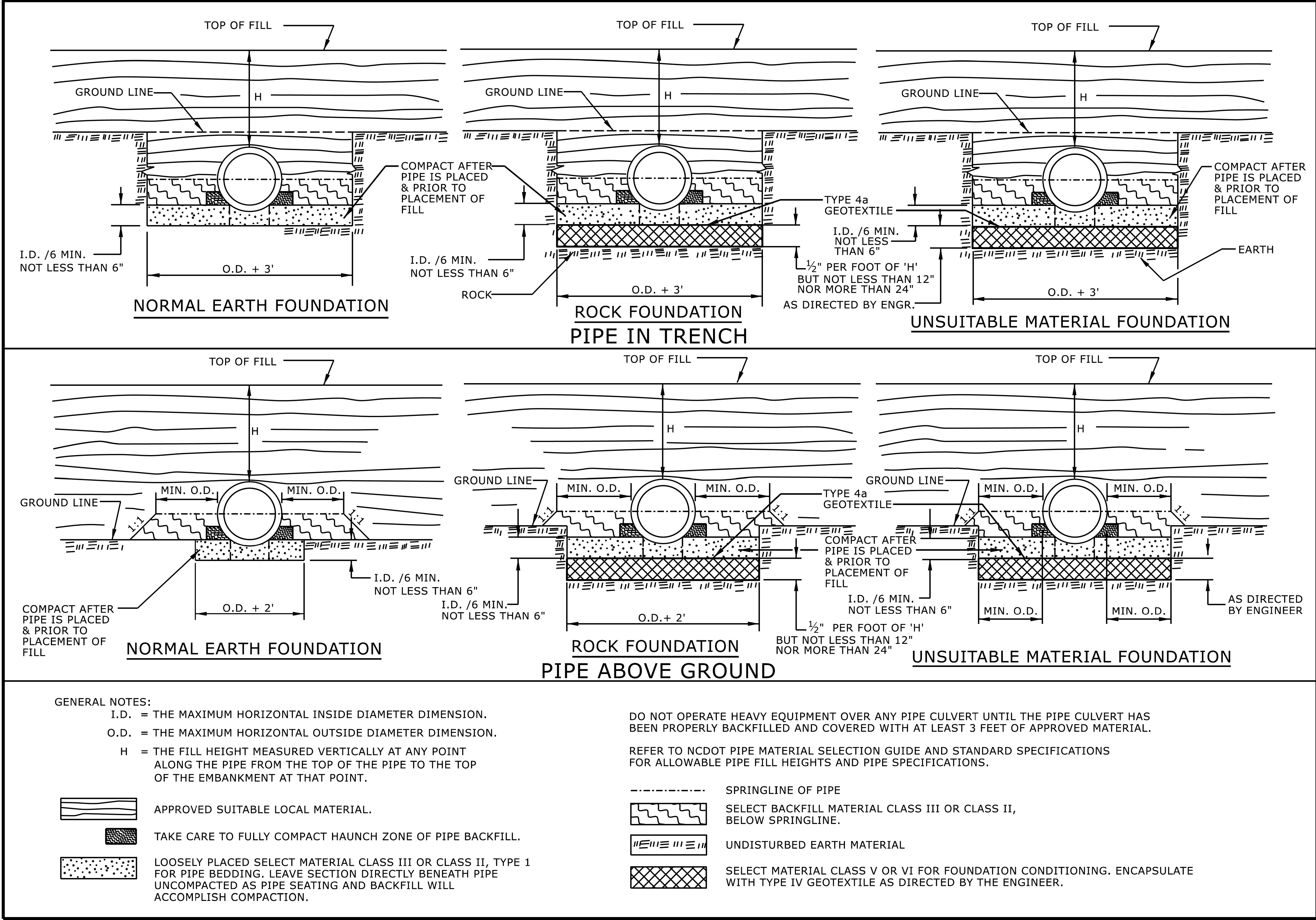
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McADAMS

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

ROADWAY DESIGN ENGINEER

SEAL 042574 7/31/2028

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McADAMS

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ROADWAY DETAIL DRAWING FOR

**METHOD OF PIPE INSTALLATION**

RIGID PIPE

SHEET 2 OF 2

**300.01**

BN-0003

2C-1

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
JACKSON COUNTY

ROADWAY DESIGN UNIT

ROADWAY DESIGN ENGINEER

SEAL 042574 7/31/2028

ENGINEER

McADAMS

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N.C.E.L.S. License Number: C 0293

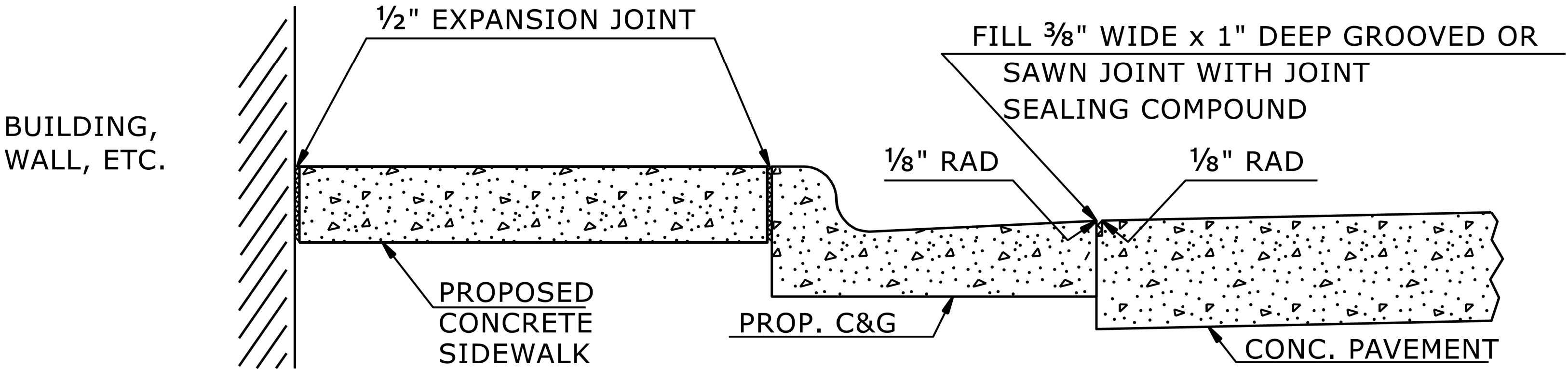
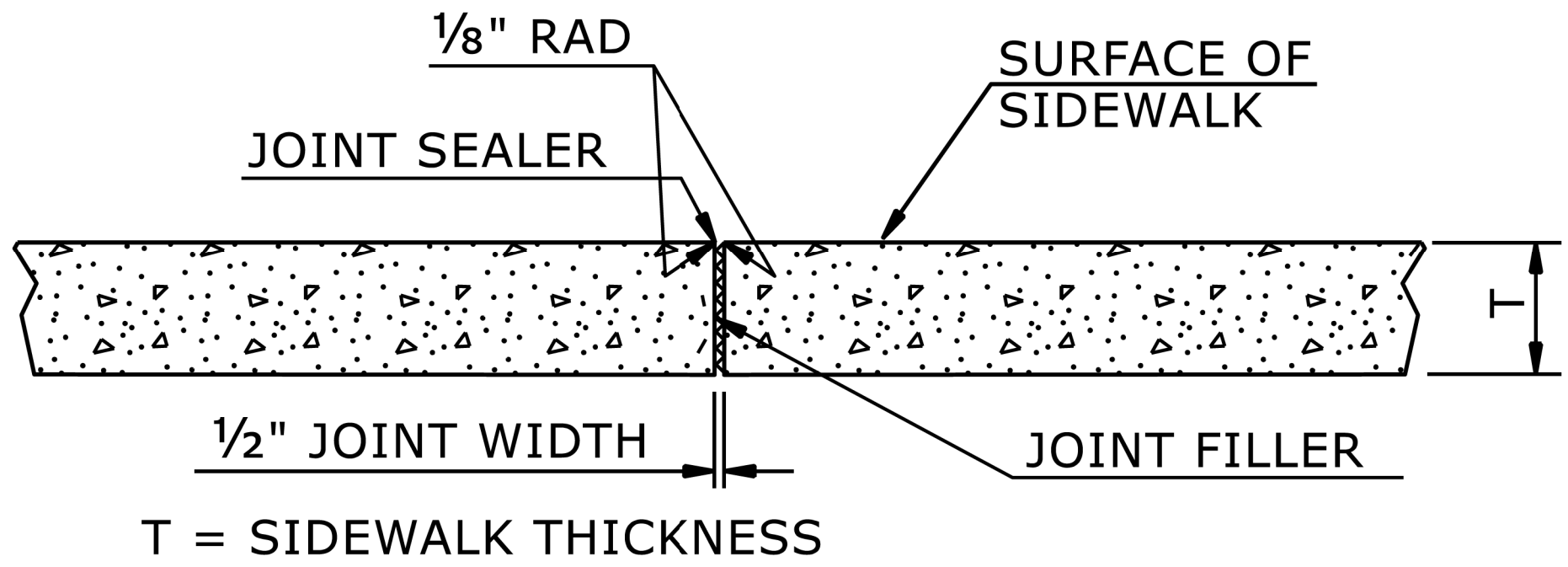


NOTES:

CONSTRUCT STANDARD SIDEWALK 5' WIDE AND 4" THICK UNLESS OTHERWISE DENOTED ON PLANS.

PLACE A GROOVE JOINT 1" DEEP WITH 1/8" RADII IN THE CONCRETE SIDEWALK AT 5' INTERVALS. ONE 1/2" EXPANSION JOINT WILL BE REQUIRED AT 50' INTERVALS. A 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.

SEE STD. DWG. 848.06 FOR CURB RAMP LOCATION REQUIREMENTS AND CONSTRUCTION GUIDELINES.



DETAILS SHOWING JOINTS IN CONCRETE SIDEWALK

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

ROADWAY DETAIL DRAWING FOR  
**CONCRETE SIDEWALK**

SHEET 1 OF 1  
**848D01**

BN-0003

2C-2

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
JACKSON COUNTY

ROADWAY DESIGN UNIT

ROADWAY DESIGN  
ENGINEER

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REVISIONS



STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

BN-0003

3B-1

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
JACKSON COUNTY



ROADWAY DESIGN UNIT

PREPARED BY

  
McADAMS  
621-Hobrough Street Suite 500 Raleigh, NC 27603  
N.C.E.L.S. License Number: C-0235

SUMMARY OF EARTHWORK  
IN CUBIC YARDS

| STATION                 | STATION            | UNCL.<br>EXCAV. | EMBANK.<br>+ % | BORROW | WASTE |
|-------------------------|--------------------|-----------------|----------------|--------|-------|
| -TRL- 12 + 70.00        | -TRL- BEGIN BRIDGE | 23              | 7              | 0      | 16    |
| -TRL- END BRIDGE        | -TRL- 15 + 84.59   | 3               | 30             | 27     | 0     |
| -L- CUL-DE-SAC          |                    | 94              | 16             | 0      | 78    |
| -L/-Y1- INTERSECTION    |                    | 4               | 3              | 0      | 1     |
| -SW-                    |                    | 1               | 23             | 22     | 0     |
|                         |                    |                 |                |        |       |
| TOTAL:                  |                    | 125             | 79             | 49     | 95    |
| WASTE IN LIEU OF BORROW |                    |                 |                | -49    | -49   |
| GRAND TOTALS:           |                    | 125             | 79             | 0      | 46    |
|                         |                    |                 |                |        |       |
| SAY:                    |                    | 130             | 80             | 0      | 50    |

PAVEMENT REMOVAL SUMMARY

| SURVEY<br>LINE | STATION    | STATION    | LOCATION<br>LT/RT/CL | YD <sup>2</sup> |
|----------------|------------|------------|----------------------|-----------------|
| -TRL-          | 12 + 70.00 | 13 + 91.14 | RT                   | 124.04          |
| -TRL-          | 15 + 41.90 | 15 + 84.59 | CL                   | 117.81          |
| -L-            | 26 + 05.00 | 26 + 30.00 | RT                   | 2.60            |
| -Y1-           | 10 + 52.10 | 10 + 81.10 | LT                   | 3.22            |
| -Y1-           | 10 + 52.96 | 11 + 10.00 | RT                   | 7.84            |
|                |            |            |                      |                 |
|                |            |            |                      |                 |
|                |            |            | TOTAL:               | 255.51          |
|                |            |            |                      |                 |
|                |            |            | SAY:                 | 260             |

EXPRESSWAY GUTTER QUANTITY SUMMARY

| SURVEY<br>LINE | STATION    | STATION    | LOCATION<br>LT/RT | LENGTH |
|----------------|------------|------------|-------------------|--------|
| -L-            | 15 + 94.17 | 16 + 25.97 | RT                | 31.8   |
|                |            |            |                   |        |
|                |            |            |                   |        |
|                |            |            |                   |        |
|                |            |            |                   |        |
|                |            |            |                   |        |
|                |            |            | TOTAL:            | 31.8   |
|                |            |            | SAY:              | 40     |

GUARDRAIL REMOVAL SUMMARY

| SURVEY<br>LINE | STATION    | STATION    | LOCATION<br>LT/RT/CL | LENGTH |
|----------------|------------|------------|----------------------|--------|
| -TRL-          | 15 + 46.13 | 15 + 46.13 | 6.9'(LT), 20'(RT)    | 26.9   |
|                |            |            |                      |        |
|                |            |            |                      |        |
|                |            |            |                      |        |
|                |            |            |                      |        |
|                |            |            |                      |        |
|                |            |            | TOTAL:               | 26.9   |
|                |            |            |                      |        |
|                |            |            | SAY:                 | 30     |

CHAIN LINK FENCE SUMMARY

| SURVEY<br>LINE | STATION    | STATION    | LOCATION<br>LT/RT | LENGTH |
|----------------|------------|------------|-------------------|--------|
| -TRL-          | 13 + 34.22 | 13 + 90.99 | LT                | 62.0   |
| -TRL-          | 13 + 59.31 | 13 + 90.99 | LT                | 31.8   |
| -TRL-          | 15 + 42.17 | 15 + 80.00 | LT                | 37.8   |
| -TRL-          | 15 + 41.61 | 15 + 55.15 | RT                | 28.9   |
|                |            |            |                   |        |
|                |            |            |                   |        |
|                |            |            | TOTAL:            | 160.5  |
|                |            |            | SAY:              | 161    |

REVISIONS



|              |     |       |           |
|--------------|-----|-------|-----------|
| COMPUTED BY: | LNC | DATE: | 5/06/2026 |
| CHECKED BY:  | EML | DATE: | 5/06/2026 |

**NORTH CAROLINA DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

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

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

[illegible]



STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

# PARCEL INDEX SHEET

[illegible]

N-0003

0.1

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
JACKSON COUNTY



ROADWAY DESIGN UNIT

PREPARED BY

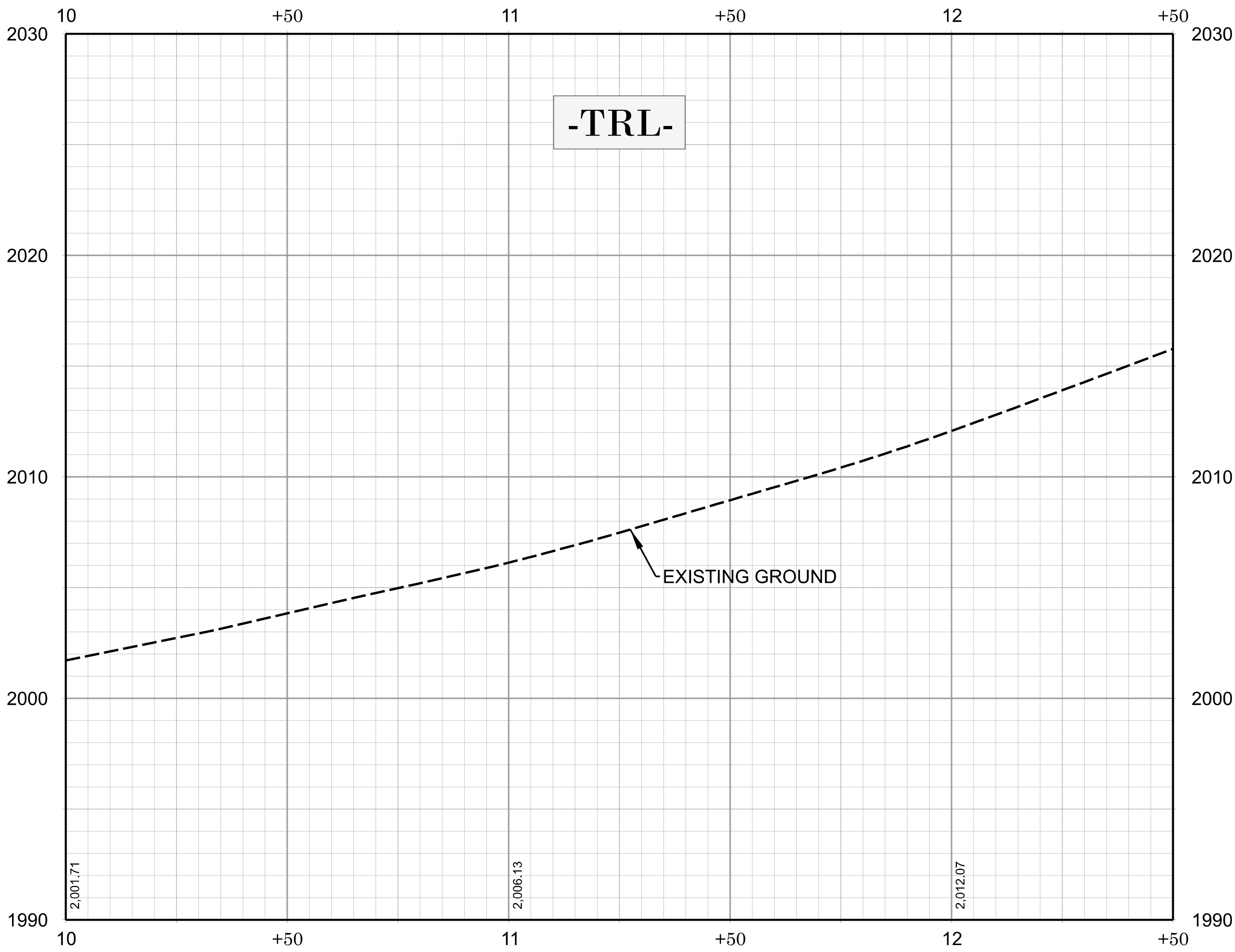
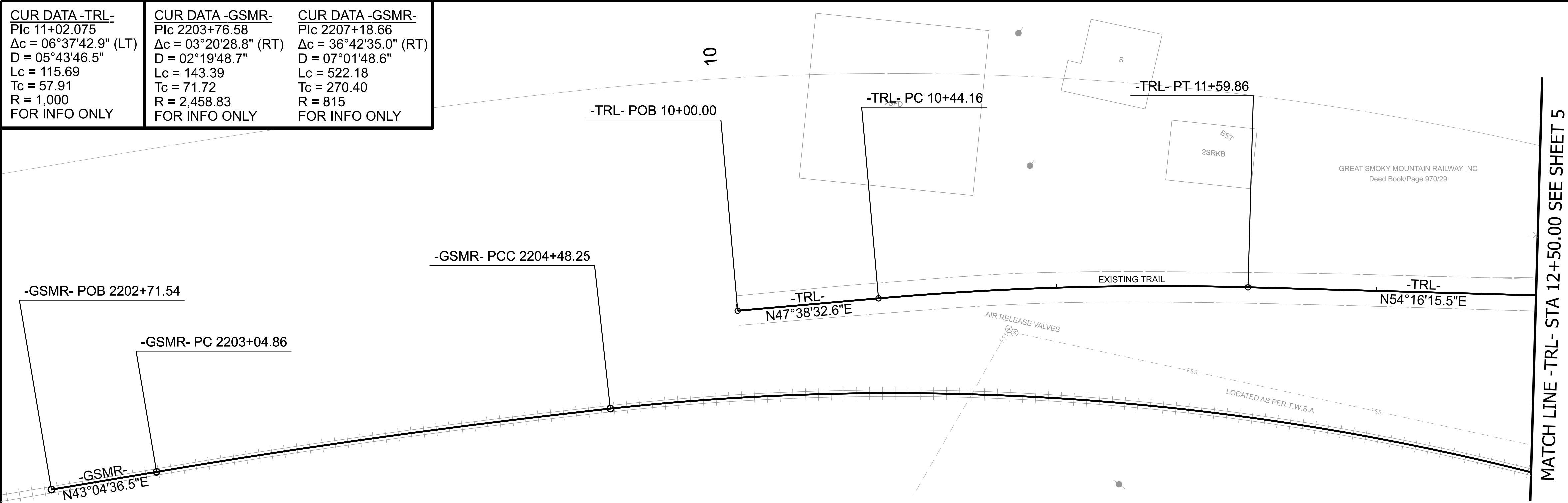


**McADAMS**  
Hillsborough Street Suite 500 Raleigh, NC 27603  
N.C.B.E.L.S. License Number: C-0293



11/14/23

|                                                                                                                                               |                                                                                                                                                    |                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CUR DATA -TRL-</b><br>P/c 11+02.075<br>Δc = 06°37'42.9" (LT)<br>D = 05°43'46.5"<br>Lc = 115.69<br>Tc = 57.91<br>R = 1,000<br>FOR INFO ONLY | <b>CUR DATA -GSMR-</b><br>P/c 2203+76.58<br>Δc = 03°20'28.8" (RT)<br>D = 02°19'48.7"<br>Lc = 143.39<br>Tc = 71.72<br>R = 2,458.83<br>FOR INFO ONLY | <b>CUR DATA -GSMR-</b><br>P/c 2207+18.66<br>Δc = 36°42'35.0" (RT)<br>D = 07°01'48.6"<br>Lc = 522.18<br>Tc = 270.40<br>R = 815<br>FOR INFO ONLY |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|



BN-0003

4

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
JACKSON COUNTY

ROADWAY DESIGN UNIT  
ROADWAY DESIGN  
ENGINEER

SEAL  
042574  
7/31/2026  
G. H. HART

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

HYDRAULICS  
ENGINEER

SEAL  
057026  
7/31/2026  
G. H. HART

PREPARED BY

McADAMS

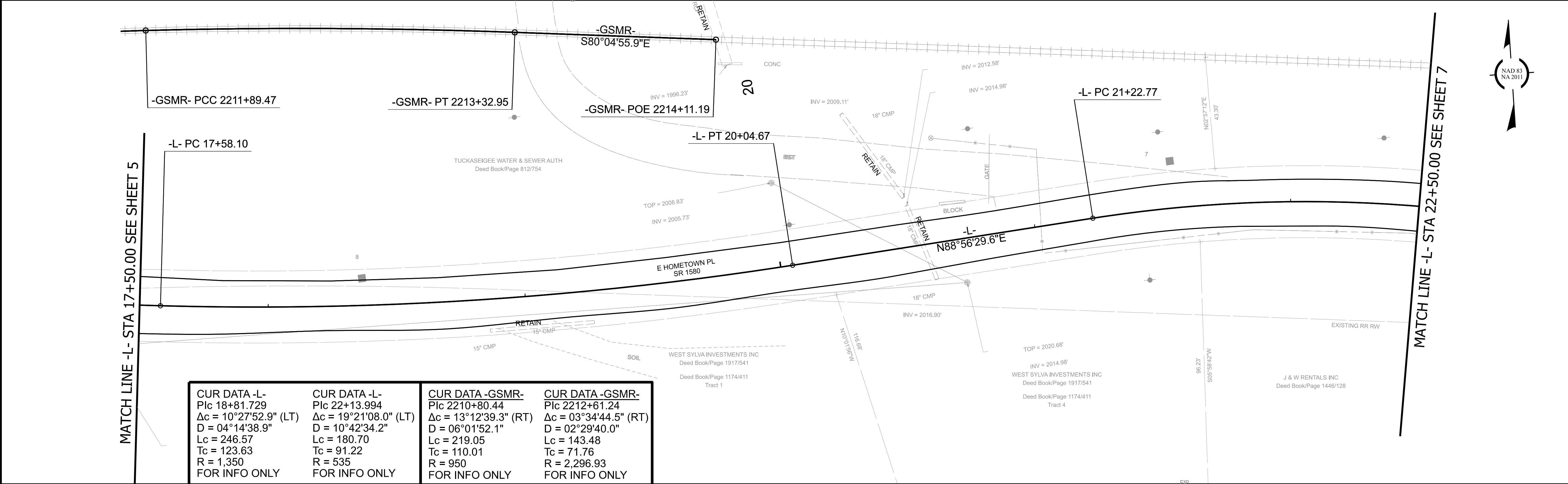
621 Hillborough Street Suite 500 Raleigh, NC 27603  
N.C.E.T.S. License Number: C-0293

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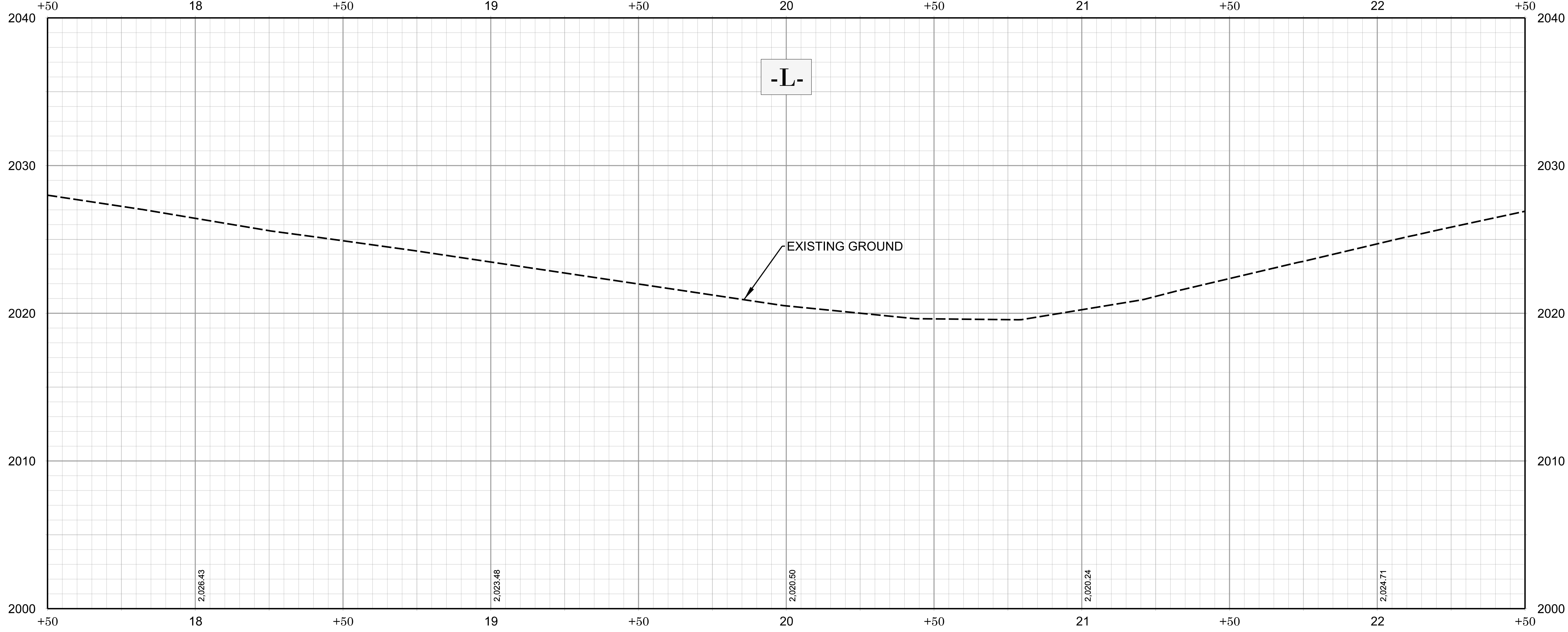


MATCH LINE -L- STA 17+50.00 SEE SHEET 5

MATCH LINE -L- STA 22+50.00 SEE SHEET 7



|                                                                                                                                              |                                                                                                                                           |                                                                                                                                                |                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CUR DATA -L-</b><br>Plc 18+81.729<br>Δc = 10°27'52.9" (LT)<br>D = 04°14'38.9"<br>Lc = 246.57<br>Tc = 123.63<br>R = 1,350<br>FOR INFO ONLY | <b>CUR DATA -L-</b><br>Plc 22+13.994<br>Δc = 19°21'08.0" (LT)<br>D = 10°42'34.2"<br>Lc = 180.70<br>Tc = 91.22<br>R = 535<br>FOR INFO ONLY | <b>CUR DATA -GSMR-</b><br>Plc 2210+80.44<br>Δc = 13°12'39.3" (RT)<br>D = 06°01'52.1"<br>Lc = 219.05<br>Tc = 110.01<br>R = 950<br>FOR INFO ONLY | <b>CUR DATA -GSMR-</b><br>Plc 2212+61.24<br>Δc = 03°34'44.5" (RT)<br>D = 02°29'40.0"<br>Lc = 143.48<br>Tc = 71.76<br>R = 2,296.93<br>FOR INFO ONLY |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|



BN-0003

6

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
JACKSON COUNTY

ROADWAY DESIGN UNIT  
ENGINEER

PROFESSIONAL SEAL  
GUYHAM D. BRUNS  
042974  
8/26/2026

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

HYDRAULICS  
ENGINEER

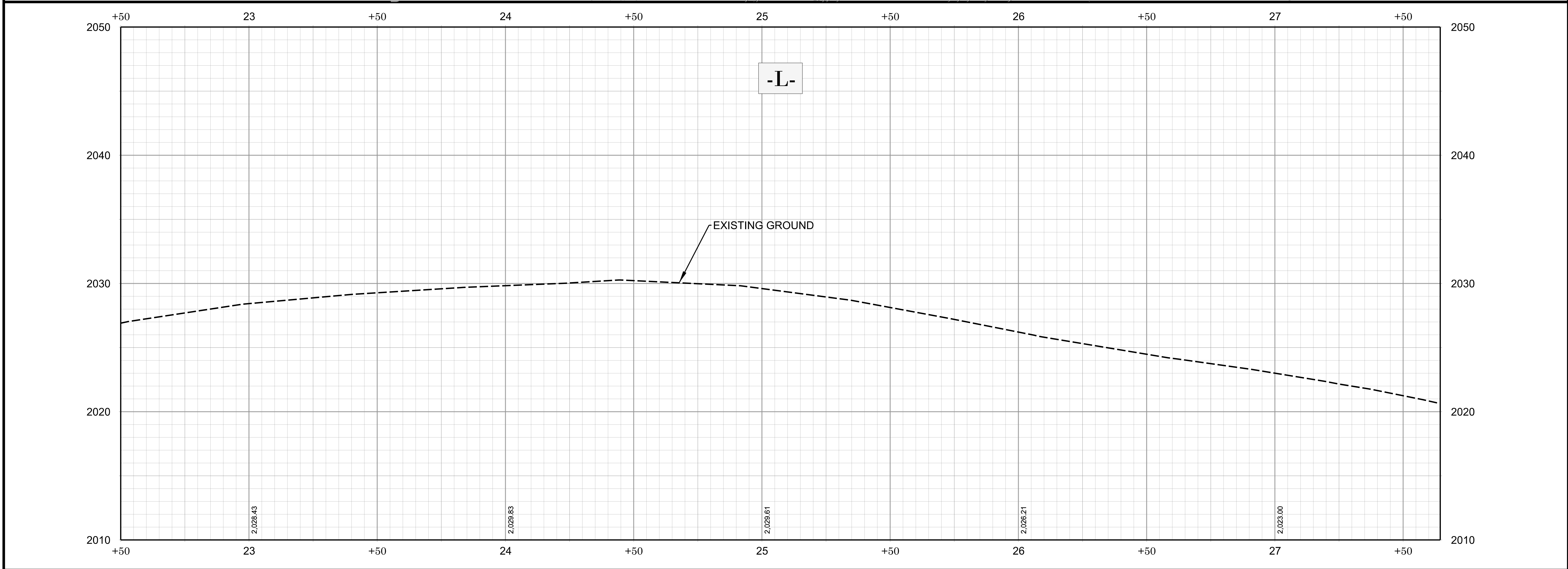
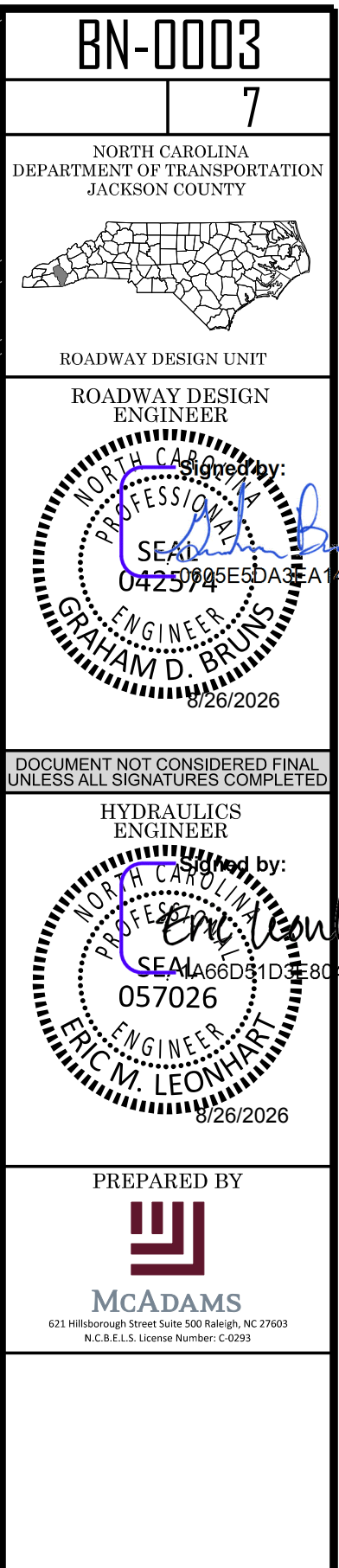
Prepared by:  
EMILY LEONHART  
PROFESSIONAL SEAL  
EMILY M. LEONHART  
057026  
8/26/2026

PREPARED BY  
McADAMS

621 Midborough Street Suite 500 Raleigh, NC 27603  
N.C.E.T.S. License Number: C-0293

REVISIONS





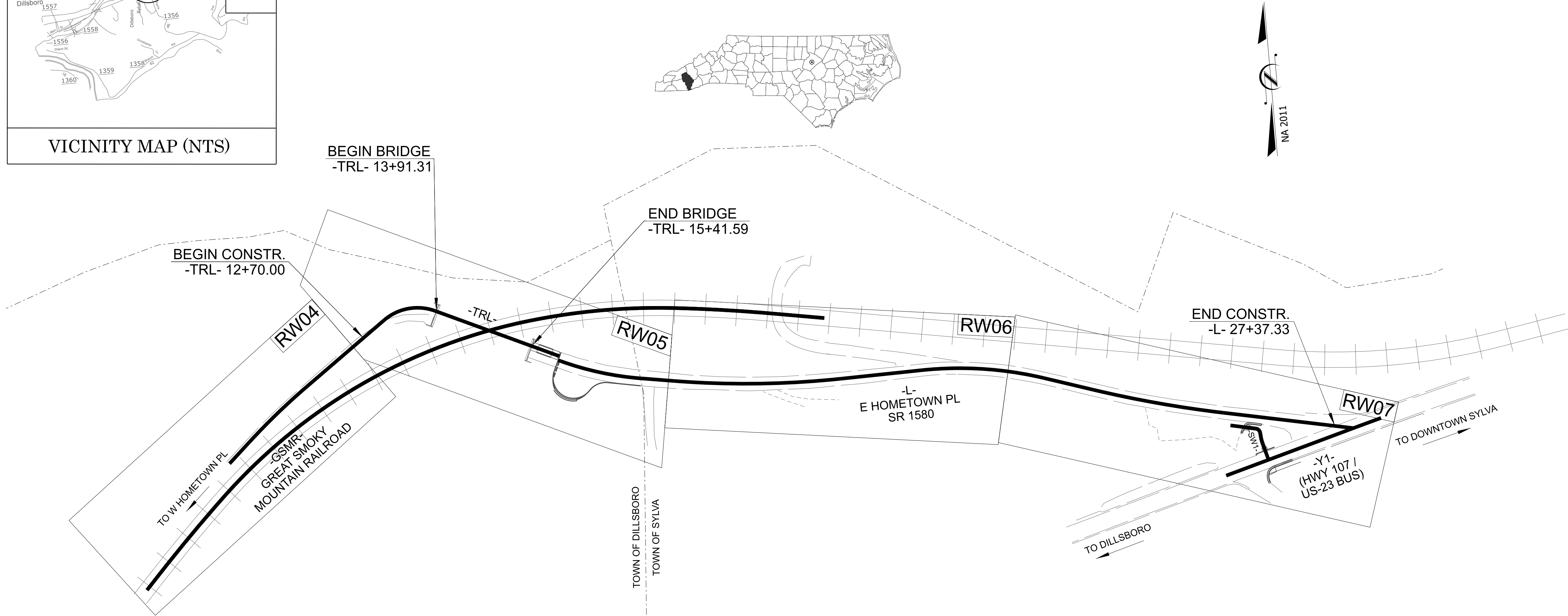
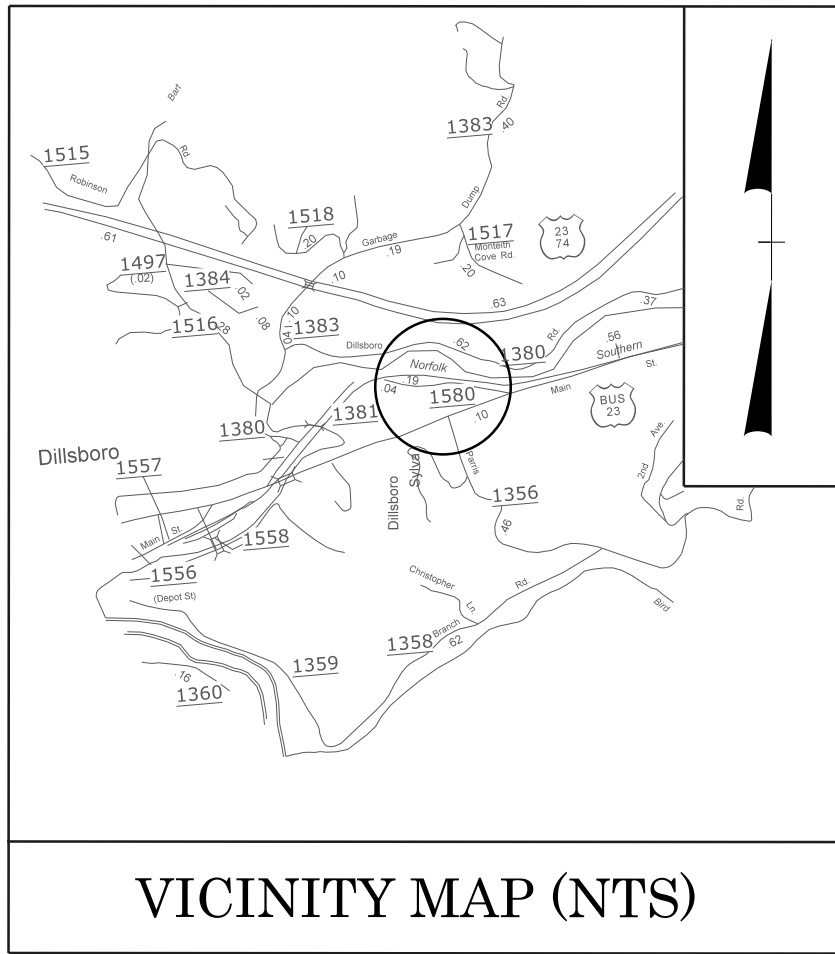


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

| STATE NO. | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|-----------|-----------------------------|-----------|--------------|
| N.C.      | BN-0003                     | RW01      | 11           |

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

JACKSON COUNTY



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT  
IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY  
NCDOT FOR MONUMENT G101  
WITH NAD83/NA 2011 STATE PLANE GRID COORDINATES OF  
NORTHING: 617,192.7580' EASTING: 735,407.0220'  
ELEVATION: 2,041.87'  
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT  
(GROUND TO GRID) IS: 0.999781786  
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES  
VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:  
LOCATION AND SURVEYS  
DIVISION 14  
122 BONNIE LANE  
SYLVA, NC 28779

PROFESSIONAL LAND  
SURVEYOR

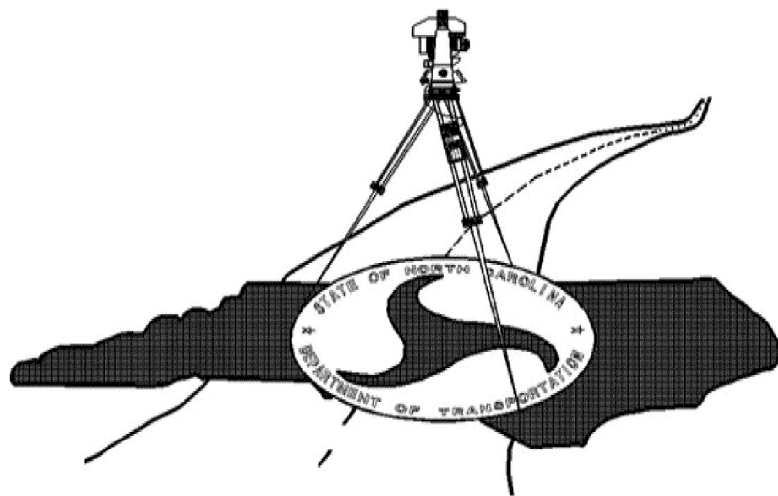


DocuSigned by:  
Joshua Gillett  
ADAT462BD38142A...

08/31/2026

SIGNATURE:

DATE:



## Certificate Of Completion

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 Subject: Complete with Docusign: 150\_001\_BN-0003\_LS\_RW01.pdf  
 Source Envelope:  
 Document Pages: 1  
 Certificate Pages: 1  
 AutoNav: Enabled  
 Envelope Stamping: Disabled  
 Time Zone: (UTC-05:00) Eastern Time (US & Canada)

Status: Completed

Envelope Originator:  
 Josh Gillett  
 1020 Birch Ridge Dr  
 Raleigh, NC 27610-4328  
 jgillett@ncdot.gov  
 IP Address: 152.22.37.26

## Record Tracking

Status: Original  
 8/31/2026 9:05:16 AM  
 Security Appliance Status: Connected

Holder: Josh Gillett  
 jgillett@ncdot.gov  
 Pool: StateLocal

Location: DocuSign

## Signer Events

Josh Gillett  
 jgillett@ncdot.gov  
 Engineering Supervisor II  
 North Carolina Department of Transportation  
 Security Level: Email, Account Authentication  
 (None)

## Signature

DocuSigned by:  
  
 A0A7A62BD36142A...

Signature Adoption: Pre-selected Style  
 Using IP Address: 152.22.37.26

## Timestamp

Sent: 8/31/2026 9:06:08 AM  
 Viewed: 8/31/2026 9:06:15 AM  
 Signed: 8/31/2026 9:06:50 AM

Electronic Record and Signature Disclosure:  
 Not Offered via Docusign

## In Person Signer Events

## Signature

## Timestamp

## Editor Delivery Events

## Status

## Timestamp

## Agent Delivery Events

## Status

## Timestamp

## Intermediary Delivery Events

## Status

## Timestamp

## Certified Delivery Events

## Status

## Timestamp

## Carbon Copy Events

## Status

## Timestamp

## Witness Events

## Signature

## Timestamp

## Notary Events

## Signature

## Timestamp

## Envelope Summary Events

## Status

## Timestamps

|                     |                  |                      |
|---------------------|------------------|----------------------|
| Envelope Sent       | Hashed/Encrypted | 8/31/2026 9:06:08 AM |
| Certified Delivered | Security Checked | 8/31/2026 9:06:15 AM |
| Signing Complete    | Security Checked | 8/31/2026 9:06:50 AM |
| Completed           | Security Checked | 8/31/2026 9:06:50 AM |

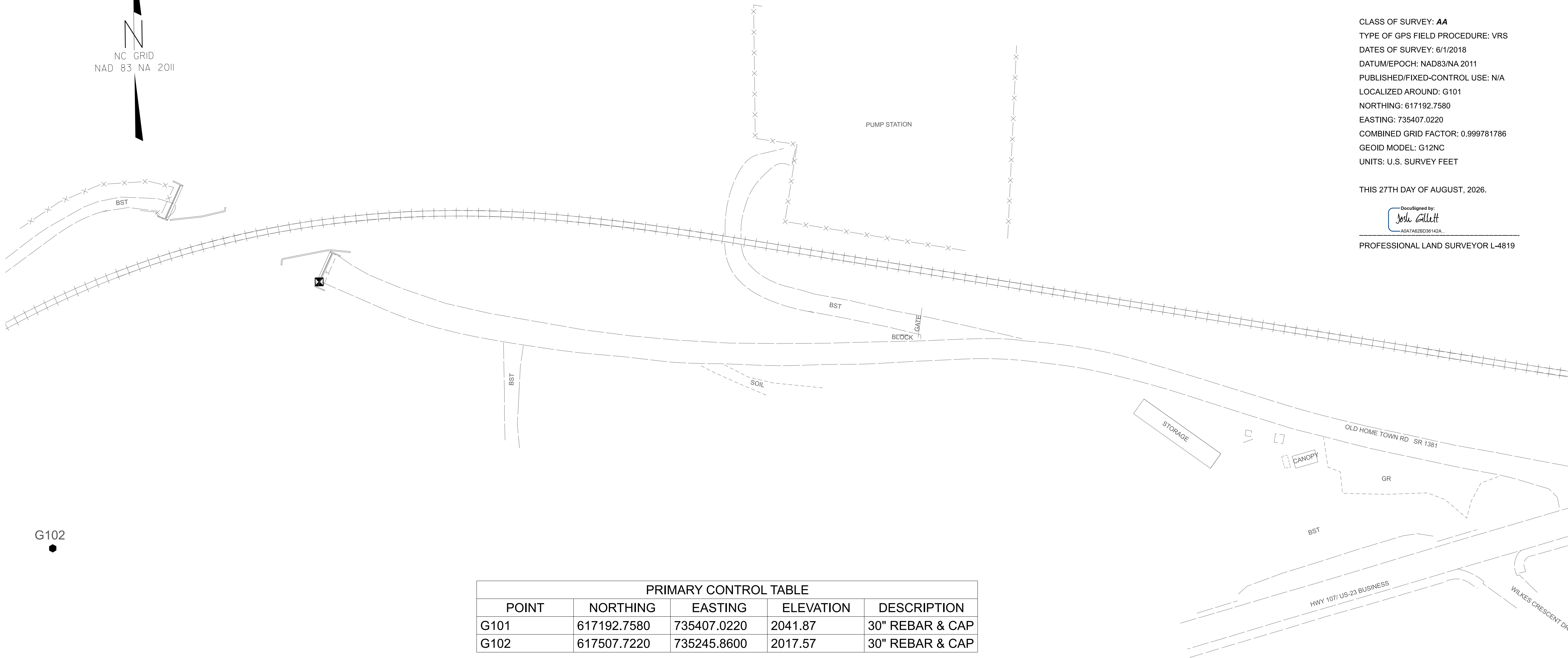
## Payment Events

## Status

## Timestamps



PRIMARY SURVEY CONTROL SHEET



| PRIMARY CONTROL TABLE |             |             |           |                 |
|-----------------------|-------------|-------------|-----------|-----------------|
| POINT                 | NORTHING    | EASTING     | ELEVATION | DESCRIPTION     |
| G101                  | 617192.7580 | 735407.0220 | 2041.87   | 30" REBAR & CAP |
| G102                  | 617507.7220 | 735245.8600 | 2017.57   | 30" REBAR & CAP |

I, JOSHUA V. GILLETT, 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: VRS  
DATES OF SURVEY: 6/1/2018  
DATUM/EPOCH: NAD83/NA 2011  
PUBLISHED/FIXED-CONTROL USE: N/A  
LOCALIZED AROUND: G101  
NORTHING: 617192.7580  
EASTING: 735407.0220  
COMBINED GRID FACTOR: 0.999781786  
GEOID MODEL: G12NC  
UNITS: U.S. SURVEY FEET

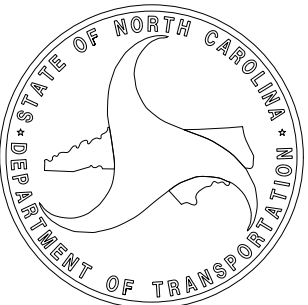
THIS 27TH DAY OF AUGUST, 2026.

DocuSigned by:  
*Josh Gillett*  
A0A7A62B036142A...  
PROFESSIONAL LAND SURVEYOR L-4819

BN-0003

R/W 02C-1

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION



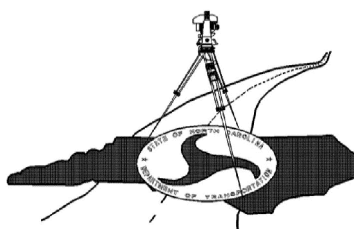
PROFESSIONAL LAND  
SURVEYOR



DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL SIGNATURES  
ARE COMPLETED

TIP PROJECT: BN-0003  
County: Jackson

PREPARED FOR



LOCATION AND  
SURVEYS UNIT

PREPARED BY:  
LOCATION AND SURVEYS  
DIVISION 14  
122 BONNIE LANE  
SYLVA, NC 28779

NOTES:

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

G101



## Certificate Of Completion

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Status: Completed

Subject: Complete with Docusign: 150\_003\_BN-0003\_LS\_RW02C-1.pdf

Source Envelope:

Document Pages: 1

Signatures: 1

Envelope Originator:

Certificate Pages: 1

Initials: 0

Josh Gillett

AutoNav: Enabled

1020 Birch Ridge Dr

Envelopeld Stamping: Disabled

Raleigh, NC 27610-4328

Time Zone: (UTC-05:00) Eastern Time (US & Canada)

jgillett@ncdot.gov

IP Address: 152.22.37.26

## Record Tracking

Status: Original

Holder: Josh Gillett

Location: DocuSign

8/31/2026 9:10:04 AM

jgillett@ncdot.gov

Security Appliance Status: Connected

Pool: StateLocal

## Signer Events

Josh Gillett

jgillett@ncdot.gov

Engineering Supervisor II

North Carolina Department of Transportation

Security Level: Email, Account Authentication  
(None)

## Signature

DocuSigned by:  
  
A0A7A62BD36142A...

Signature Adoption: Pre-selected Style  
Using IP Address: 152.22.37.26

## Timestamp

Sent: 8/31/2026 9:10:38 AM

Viewed: 8/31/2026 9:10:47 AM

Signed: 8/31/2026 9:11:01 AM

## Electronic Record and Signature Disclosure:

Not Offered via Docusign

## In Person Signer Events

## Signature

## Timestamp

## Editor Delivery Events

## Status

## Timestamp

## Agent Delivery Events

## Status

## Timestamp

## Intermediary Delivery Events

## Status

## Timestamp

## Certified Delivery Events

## Status

## Timestamp

## Carbon Copy Events

## Status

## Timestamp

## Witness Events

## Signature

## Timestamp

## Notary Events

## Signature

## Timestamp

## Envelope Summary Events

## Status

## Timestamps

Envelope Sent

Hashed/Encrypted

8/31/2026 9:10:38 AM

Certified Delivered

Security Checked

8/31/2026 9:10:47 AM

Signing Complete

Security Checked

8/31/2026 9:11:01 AM

Completed

Security Checked

8/31/2026 9:11:01 AM

## Payment Events

## Status

## Timestamps



SEE SHEET RW02C-4  
FOR FURTHER ALIGNMENT  
AND CONTROL DETAILS

# SECONDARY SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

I, JOSH V. GILLET, 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 JULY OF 2024, 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 27TH DAY OF AUGUST, 2026.

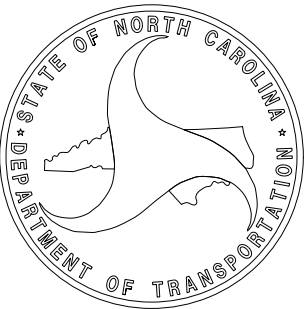
DocuSigned by:  
Josh Gillett  
ADA7AE2BD36142A...

PROFESSIONAL LAND SURVEYOR L-4819

BN-0003

R/W 02C-2

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION



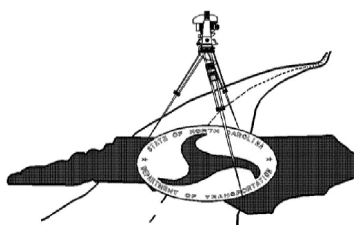
PROFESSIONAL LAND  
SURVEYOR



DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL SIGNATURES  
ARE COMPLETED

TIP PROJECT: BN-0003  
County: Jackson

PREPARED FOR

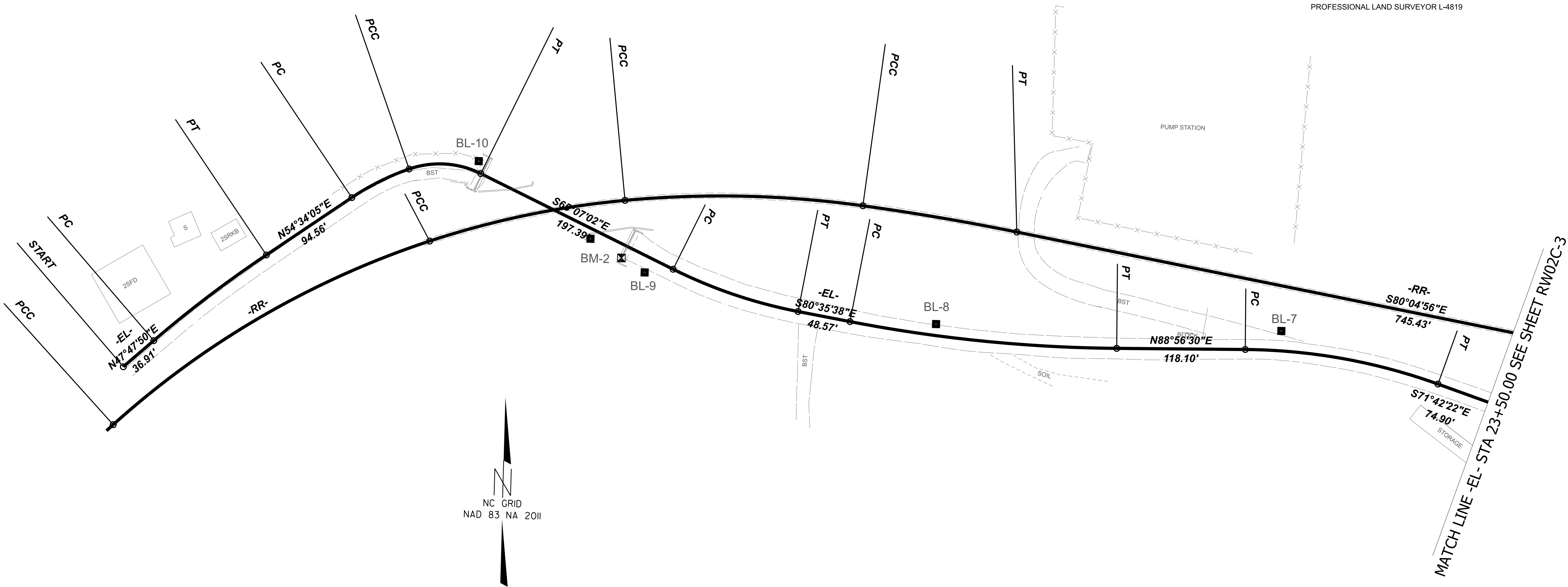


LOCATION AND  
SURVEYS UNIT

PREPARED BY:  
LOCATION AND SURVEYS  
DIVISION 14  
122 BONNIE LANE  
SYLVA, NC 28779

## NOTES:

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



## Certificate Of Completion

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 Document Pages: 1  
 Certificate Pages: 1  
 AutoNav: Enabled  
 Envelope Stamping: Disabled  
 Time Zone: (UTC-05:00) Eastern Time (US & Canada)

Status: Completed

Envelope Originator:  
 Josh Gillett  
 1020 Birch Ridge Dr  
 Raleigh, NC 27610-4328  
 jgillett@ncdot.gov  
 IP Address: 152.22.37.26

## Record Tracking

Status: Original  
 8/31/2026 9:14:38 AM  
 Security Appliance Status: Connected

Holder: Josh Gillett  
 jgillett@ncdot.gov  
 Pool: StateLocal

Location: DocuSign

## Signer Events

Josh Gillett  
 jgillett@ncdot.gov  
 Engineering Supervisor II  
 North Carolina Department of Transportation  
 Security Level: Email, Account Authentication  
 (None)

## Signature

DocuSigned by:  
  
 A0A7A62BD36142A...

Signature Adoption: Pre-selected Style  
 Using IP Address: 152.22.37.26

## Timestamp

Sent: 8/31/2026 9:15:06 AM  
 Viewed: 8/31/2026 9:15:13 AM  
 Signed: 8/31/2026 9:15:21 AM

Electronic Record and Signature Disclosure:  
 Not Offered via Docusign

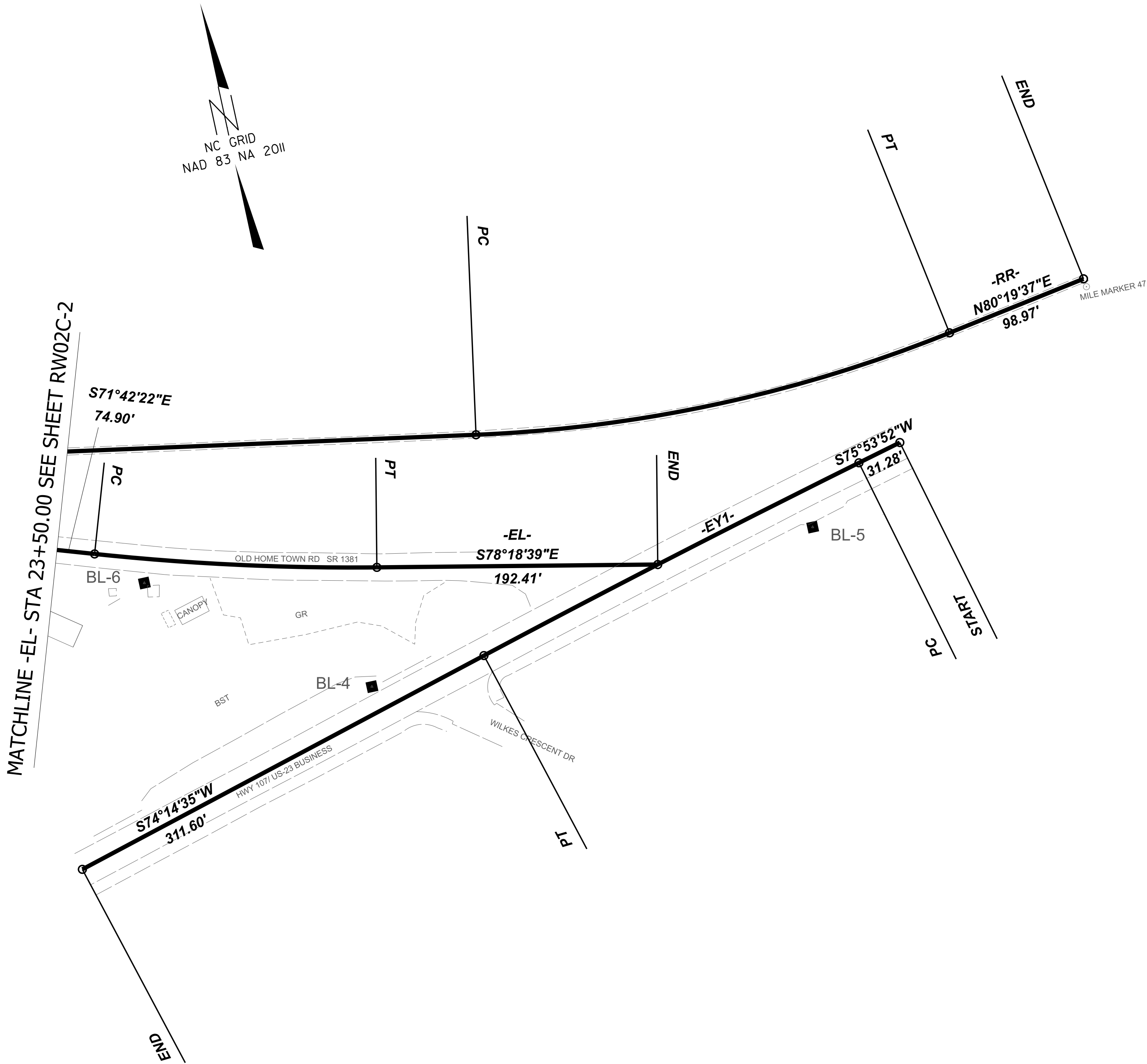
| In Person Signer Events      | Signature        | Timestamp            |
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|                              |                  |                      |
| Editor Delivery Events       | Status           | Timestamp            |
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| Agent Delivery Events        | Status           | Timestamp            |
|                              |                  |                      |
| Intermediary Delivery Events | Status           | Timestamp            |
|                              |                  |                      |
| Certified Delivery Events    | Status           | Timestamp            |
|                              |                  |                      |
| Carbon Copy Events           | Status           | Timestamp            |
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| Witness Events               | Signature        | Timestamp            |
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| Notary Events                | Signature        | Timestamp            |
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| Envelope Summary Events      | Status           | Timestamps           |
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| Signing Complete             | Security Checked | 8/31/2026 9:15:21 AM |
| Completed                    | Security Checked | 8/31/2026 9:15:21 AM |
| Payment Events               | Status           | Timestamps           |



SEE SHEET RW02C-4  
FOR FURTHER ALIGNMENT  
AND CONTROL DETAILS

# SECONDARY SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION



I, JOSHUA V. GILLET, 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 IN JULY OF 2024, 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 27TH DAY OF AUGUST, 2026.

DocuSigned by:  
*Josh Gillett*  
A0A7A62BD36142A  
PROFESSIONAL LAND SURVEYOR L-4819

BN-0003

R/W02C-3

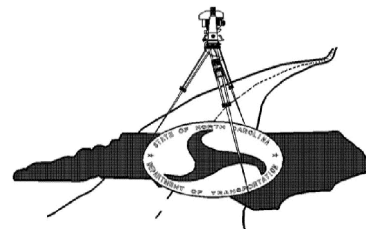
NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION

PROFESSIONAL LAND  
SURVEYOR

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL SIGNATURES  
ARE COMPLETED

TIP PROJECT: BN-0003  
County: Jackson

PREPARED FOR



LOCATION AND  
SURVEYS UNIT

PREPARED BY:  
LOCATION AND SURVEYS  
DIVISION 14  
122 BONNIE LANE  
SYLVA, NC 28779

NOTES:

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



## Certificate Of Completion

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Status: Completed

Subject: Complete with Docusign: 150\_009\_BN-0003\_LS\_RW02C-3.pdf

Source Envelope:

Document Pages: 1

Signatures: 1

Envelope Originator:

Certificate Pages: 1

Initials: 0

Josh Gillett

AutoNav: Enabled

1020 Birch Ridge Dr

Envelopeld Stamping: Disabled

Raleigh, NC 27610-4328

Time Zone: (UTC-05:00) Eastern Time (US & Canada)

jgillett@ncdot.gov

IP Address: 152.22.37.26

## Record Tracking

Status: Original

Holder: Josh Gillett

Location: DocuSign

8/31/2026 9:17:39 AM

jgillett@ncdot.gov

Security Appliance Status: Connected

Pool: StateLocal

## Signer Events

## Signature

## Timestamp

Josh Gillett

jgillett@ncdot.gov

Engineering Supervisor II

North Carolina Department of Transportation

Security Level: Email, Account Authentication  
(None)

DocuSigned by:  
  
A0A7A62BD36142A...

Signature Adoption: Pre-selected Style

Using IP Address: 152.22.37.26

Sent: 8/31/2026 9:18:03 AM

Viewed: 8/31/2026 9:18:08 AM

Signed: 8/31/2026 9:18:13 AM

## Electronic Record and Signature Disclosure:

Not Offered via Docusign

## In Person Signer Events

## Signature

## Timestamp

## Editor Delivery Events

## Status

## Timestamp

## Agent Delivery Events

## Status

## Timestamp

## Intermediary Delivery Events

## Status

## Timestamp

## Certified Delivery Events

## Status

## Timestamp

## Carbon Copy Events

## Status

## Timestamp

## Witness Events

## Signature

## Timestamp

## Notary Events

## Signature

## Timestamp

## Envelope Summary Events

## Status

## Timestamps

Envelope Sent

Hashed/Encrypted

8/31/2026 9:18:03 AM

Certified Delivered

Security Checked

8/31/2026 9:18:08 AM

Signing Complete

Security Checked

8/31/2026 9:18:13 AM

Completed

Security Checked

8/31/2026 9:18:13 AM

## Payment Events

## Status

## Timestamps

SECONDARY SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| EXISTING ALIGNMENT NAME:EL |             |             |               |          |                   |             |          |          |           |
|----------------------------|-------------|-------------|---------------|----------|-------------------|-------------|----------|----------|-----------|
| POINT                      | NORTHING    | EASTING     | BEARING       | DIST     | DELTA             | D           | L        | T        | R         |
| START                      | 617630.8282 | 735033.2526 |               |          |                   |             |          |          |           |
| LINE                       |             |             | N47°47'49.5"E | 36.9120  |                   |             |          |          |           |
| PC                         | 617655.6241 | 735060.5959 |               |          |                   |             |          |          |           |
| CURVE                      |             |             |               |          | 06°46'15.9" Right | 05°12'31.3" | 129.9954 | 65.0734  | 1100.0000 |
| PT                         | 617737.0630 | 735161.8226 |               |          |                   |             |          |          |           |
| LINE                       |             |             | N54°34'05.4"E | 94.5567  |                   |             |          |          |           |
| PC                         | 617791.8807 | 735238.8679 |               |          |                   |             |          |          |           |
| CURVE                      |             |             |               |          | 14°41'37.9" Right | 24°54'40.4" | 58.9850  | 29.6552  | 230.0000  |
| PCC                        | 617819.5736 | 735290.7650 |               |          |                   |             |          |          |           |
| CURVE                      |             |             |               |          | 45°37'14.3" Right | 67°24'24.5" | 67.6796  | 35.7487  | 85.0000   |
| PT                         | 617817.1903 | 735356.6278 |               |          |                   |             |          |          |           |
| LINE                       |             |             | S65°07'02.3"E | 197.3944 |                   |             |          |          |           |
| PC                         | 617734.1343 | 735535.6982 |               |          |                   |             |          |          |           |
| CURVE                      |             |             |               |          | 15°28'35.2" Left  | 12°43'56.6" | 121.5518 | 61.1481  | 450.0000  |
| PT                         | 617698.4118 | 735651.4960 |               |          |                   |             |          |          |           |
| LINE                       |             |             | S80°35'37.5"E | 48.5720  |                   |             |          |          |           |
| PC                         | 617690.4735 | 735699.4150 |               |          |                   |             |          |          |           |
| CURVE                      |             |             |               |          | 10°27'52.9" Left  | 04°14'38.9" | 246.5685 | 123.6281 | 1350.0000 |
| PT                         | 617672.5523 | 735944.9878 |               |          |                   |             |          |          |           |
| LINE                       |             |             | N88°56'29.6"E | 118.1046 |                   |             |          |          |           |
| PC                         | 617674.7339 | 736063.0722 |               |          |                   |             |          |          |           |
| CURVE                      |             |             |               |          | 19°21'08.0" Right | 10°42'34.2" | 180.7015 | 91.2196  | 535.0000  |
| PT                         | 617647.7861 | 736240.8856 |               |          |                   |             |          |          |           |
| LINE                       |             |             | S71°42'22.5"E | 74.8982  |                   |             |          |          |           |
| PC                         | 617624.2764 | 736311.9983 |               |          |                   |             |          |          |           |
| CURVE                      |             |             |               |          | 06°36'16.6" Left  | 03°24'37.7" | 193.6571 | 96.9359  | 1680.0000 |
| PT                         | 617574.2099 | 736498.9606 |               |          |                   |             |          |          |           |
| LINE                       |             |             | S78°18'39.0"E | 192.4140 |                   |             |          |          |           |
| END                        | 617535.2264 | 736687.3842 |               |          |                   |             |          |          |           |

| EXISTING ALIGNMENT NAME:EY1 |             |             |               |          |                  |             |          |          |            |
|-----------------------------|-------------|-------------|---------------|----------|------------------|-------------|----------|----------|------------|
| POINT                       | NORTHING    | EASTING     | BEARING       | DIST     | DELTA            | D           | L        | T        | R          |
| START                       | 617581.6257 | 736867.1837 |               |          |                  |             |          |          |            |
| LINE                        |             |             | S75°53'51.8"W | 31.2816  |                  |             |          |          |            |
| PC                          | 617574.0038 | 736836.8449 |               |          |                  |             |          |          |            |
| CURVE                       |             |             |               |          | 01°39'17.0" Left | 00°34'22.6" | 288.8012 | 144.4106 | 10000.0000 |
| PT                          | 617499.6018 | 736557.8025 |               |          |                  |             |          |          |            |
| LINE                        |             |             | S74°14'34.8"W | 311.6027 |                  |             |          |          |            |
| END                         | 617414.9836 | 736257.9091 |               |          |                  |             |          |          |            |

| EXISTING ALIGNMENT NAME:RR |             |             |               |          |                   |             |          |          |           |
|----------------------------|-------------|-------------|---------------|----------|-------------------|-------------|----------|----------|-----------|
| POINT                      | NORTHING    | EASTING     | BEARING       | DIST     | DELTA             | D           | L        | T        | R         |
| START                      | 616878.4890 | 734366.2110 |               |          |                   |             |          |          |           |
| LINE                       |             |             | N43°04'36.5"E | 817.4311 |                   |             |          |          |           |
| PC                         | 617475.5727 | 734924.4989 |               |          |                   |             |          |          |           |
| CURVE                      |             |             |               |          | 03°20'27.2" Right | 02°19'48.7" | 143.3731 | 71.7069  | 2458.8333 |
| PCC                        | 617577.3846 | 735025.4165 |               |          |                   |             |          |          |           |
| CURVE                      |             |             |               |          | 23°47'58.0" Right | 07°01'48.6" | 338.5336 | 171.7433 | 815.0000  |
| PCC                        | 617753.9160 | 735311.4292 |               |          |                   |             |          |          |           |
| CURVE                      |             |             |               |          | 12°54'42.0" Right | 07°01'48.6" | 183.6610 | 92.2211  | 815.0000  |
| PCC                        | 617796.1648 | 735489.7657 |               |          |                   |             |          |          |           |
| CURVE                      |             |             |               |          | 13°12'39.3" Right | 06°01'52.1" | 219.0454 | 110.0105 | 950.0000  |
| PCC                        | 617797.1821 | 735708.3238 |               |          |                   |             |          |          |           |
| CURVE                      |             |             |               |          | 03°34'44.5" Right | 02°29'40.0" | 143.4798 | 71.7633  | 2296.9346 |
| PT                         | 617776.8987 | 735850.3391 |               |          |                   |             |          |          |           |
| LINE                       |             |             | S80°04'55.9"E | 745.4286 |                   |             |          |          |           |
| PC                         | 617648.5095 | 736584.6279 |               |          |                   |             |          |          |           |
| CURVE                      |             |             |               |          | 19°35'27.4" Left  | 05°52'35.4" | 333.3781 | 168.3323 | 975.0000  |
| PT                         | 617647.8010 | 736916.3836 |               |          |                   |             |          |          |           |
| LINE                       |             |             | N80°19'36.8"E | 98.9745  |                   |             |          |          |           |
| END                        | 617664.4314 | 737013.9509 |               |          |                   |             |          |          |           |

I, JOSHUA V. GILLET, 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 JULY OF 2024, 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 27TH DAY OF AUGUST, 2026.

DocuSigned by:  
*Josh Gillett*  
AGAT7A82BD36142A.

PROFESSIONAL LAND SURVEYOR L-4819

| BASELINE POINT TABLE |             |             |           |                 |
|----------------------|-------------|-------------|-----------|-----------------|
| POINT                | NORTHING    | EASTING     | ELEVATION | DESCRIPTION     |
| BL-4                 | 617495.1110 | 736478.3010 | 2029.56   | 30" REBAR & CAP |
| BL-5                 | 617537.7400 | 736796.5170 | 2015.97   | 30" REBAR & CAP |
| BL-6                 | 617597.5820 | 736341.0510 | 2030.98   | 30" REBAR & CAP |
| BL-7                 | 617692.6400 | 736095.7040 | 2022.42   | 30" REBAR & CAP |
| BL-8                 | 617690.3640 | 735778.4550 | 2024.47   | 30" REBAR & CAP |
| BL-9                 | 617730.4850 | 735509.5810 | 2031.42   | 30" REBAR & CAP |
| BL-10                | 617828.5700 | 735354.4840 | 2025.86   | 30" REBAR & CAP |

| BENCHMARK TABLE |             |             |           |                 |
|-----------------|-------------|-------------|-----------|-----------------|
| POINT           | NORTHING    | EASTING     | ELEVATION | DESCRIPTION     |
| BM-2            | 617743.2050 | 735487.8770 | 2030.66   | 30" REBAR & CAP |

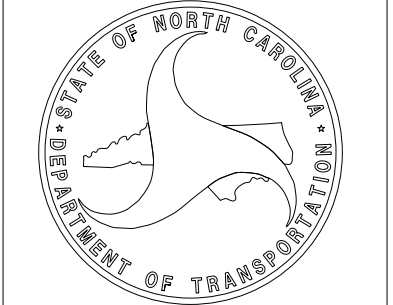
NOTES:

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

BN-0003

R/W02C-4

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION



PROFESSIONAL LAND  
SURVEYOR

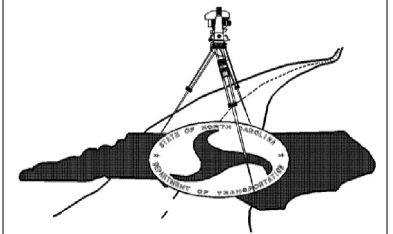


DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL SIGNATURES  
ARE COMPLETED

TIP PROJECT: BN-0003

County: Jackson

PREPARED FOR



LOCATION AND  
SURVEYS UNIT

PREPARED BY:  
LOCATION AND SURVEYS  
DIVISION 14  
122 BONNIE LANE  
SYLVA, NC 28779

## Certificate Of Completion

Envelope Id: 5C95AE84-8F73-8EC5-812A-19C3CB1C2076  
 Subject: Complete with Docusign: 150\_012\_BN-0003\_LS\_RW02C-4.pdf  
 Source Envelope:  
 Document Pages: 1  
 Certificate Pages: 1  
 AutoNav: Enabled  
 Envelope Stamping: Disabled  
 Time Zone: (UTC-05:00) Eastern Time (US & Canada)

Status: Completed

Envelope Originator:  
 Josh Gillett  
 1020 Birch Ridge Dr  
 Raleigh, NC 27610-4328  
 jgillett@ncdot.gov  
 IP Address: 152.22.37.26

## Record Tracking

Status: Original  
 8/31/2026 9:19:26 AM  
 Security Appliance Status: Connected

Holder: Josh Gillett  
 jgillett@ncdot.gov  
 Pool: StateLocal

Location: DocuSign

## Signer Events

Josh Gillett  
 jgillett@ncdot.gov  
 Engineering Supervisor II  
 North Carolina Department of Transportation  
 Security Level: Email, Account Authentication  
 (None)

## Signature

DocuSigned by:  
  
 A0A7A62BD36142A...

Signature Adoption: Pre-selected Style  
 Using IP Address: 152.22.37.26

## Timestamp

Sent: 8/31/2026 9:19:43 AM  
 Viewed: 8/31/2026 9:19:54 AM  
 Signed: 8/31/2026 9:20:19 AM

Electronic Record and Signature Disclosure:  
 Not Offered via Docusign

## In Person Signer Events

## Signature

## Timestamp

## Editor Delivery Events

## Status

## Timestamp

## Agent Delivery Events

## Status

## Timestamp

## Intermediary Delivery Events

## Status

## Timestamp

## Certified Delivery Events

## Status

## Timestamp

## Carbon Copy Events

## Status

## Timestamp

## Witness Events

## Signature

## Timestamp

## Notary Events

## Signature

## Timestamp

## Envelope Summary Events

## Status

## Timestamps

|                     |                  |                      |
|---------------------|------------------|----------------------|
| Envelope Sent       | Hashed/Encrypted | 8/31/2026 9:19:43 AM |
| Certified Delivered | Security Checked | 8/31/2026 9:19:54 AM |
| Signing Complete    | Security Checked | 8/31/2026 9:20:19 AM |
| Completed           | Security Checked | 8/31/2026 9:20:19 AM |

## Payment Events

## Status

## Timestamps



PROPOSED ALIGNMENT CONTROL SHEET

| PROPOSED ALIGNMENT: TRL |          |             |             |               |          |             |             |          |         |           |    |    |
|-------------------------|----------|-------------|-------------|---------------|----------|-------------|-------------|----------|---------|-----------|----|----|
| POINT                   | STATION  | NORTHING    | EASTING     | BEARING       | DIST     | DELTA       | D           | L        | T       | R         | LT | ST |
| START                   | 10+00.00 | 617625.8644 | 735038.5515 | N47°38'32.6"E | 44.1649  |             |             |          |         |           |    |    |
| PC                      | 10+44.16 | 617655.6208 | 735071.1873 | N50°57'24.1"E | 115.6261 | 06°37'42.9" | 05°43'46.5" | 115.6907 | 57.9099 | 1000.0000 |    |    |
| PT                      | 11+59.86 | 617728.4546 | 735160.9907 | N54°16'15.5"E | 150.4186 |             |             |          |         |           |    |    |
| PC                      | 13+10.27 | 617816.2919 | 735283.0986 | N84°37'16.6"E | 75.7928  | 60°42'02.1" | 76°23'39.7" | 79.4569  | 43.9148 | 75.0000   |    |    |
| PT                      | 13+89.73 | 617823.3966 | 735358.5577 | S65°01'42.4"E | 193.3818 |             |             |          |         |           |    |    |
| PC                      | 15+83.11 | 617741.757  | 735533.8616 | S65°06'47.1"E | 1.4772   | 00°10'09.4" | 11°27'33.0" | 1.4772   | 0.7386  | 500.0000  |    |    |
| END                     | 15+84.59 | 617741.1353 | 735535.2017 |               |          |             |             |          |         |           |    |    |

| PROPOSED ALIGNMENT: L |          |             |             |               |          |             |             |          |          |           |    |    |
|-----------------------|----------|-------------|-------------|---------------|----------|-------------|-------------|----------|----------|-----------|----|----|
| POINT                 | STATION  | NORTHING    | EASTING     | BEARING       | DIST     | DELTA       | D           | L        | T        | R         | LT | ST |
| START                 | 15+84.59 | 617735.5549 | 735532.6229 | S65°11'51.8"E | 4.0192   |             |             |          |          |           |    |    |
| PC                    | 15+88.61 | 617733.8689 | 735536.2714 | S72°53'44.7"E | 120.5567 | 15°23'45.7" | 12°43'56.6" | 120.9202 | 60.8265  | 450.0000  |    |    |
| PT                    | 17+09.53 | 617698.4118 | 735651.4960 | S80°35'37.5"E | 48.5720  |             |             |          |          |           |    |    |
| PC                    | 17+58.10 | 617690.4735 | 735699.4150 | S85°49'34.0"E | 246.2259 | 10°27'52.9" | 04°14'38.9" | 246.5685 | 123.6281 | 1350.0000 |    |    |
| PT                    | 20+04.67 | 617672.5523 | 735944.9878 | N88°56'29.6"E | 118.1046 |             |             |          |          |           |    |    |
| PC                    | 21+22.77 | 617674.7339 | 736063.0722 | S81°22'56.4"E | 179.8438 | 19°21'08.0" | 10°42'34.2" | 180.7015 | 91.2196  | 535.0000  |    |    |
| PT                    | 23+03.48 | 617647.7861 | 736240.8856 | S71°42'22.5"E | 74.8982  |             |             |          |          |           |    |    |
| PC                    | 23+78.37 | 617624.2764 | 736311.9983 | S75°00'30.7"E | 193.5499 | 06°36'16.6" | 03°24'37.7" | 193.6571 | 96.9359  | 1680.0000 |    |    |
| PT                    | 25+72.03 | 617574.2099 | 736498.9606 | S78°18'39.0"E | 192.7574 |             |             |          |          |           |    |    |
| END                   | 27+64.79 | 617535.1568 | 736687.7205 |               |          |             |             |          |          |           |    |    |

| PROPOSED ALIGNMENT: Y1 |          |             |             |               |          |             |             |         |         |           |    |    |
|------------------------|----------|-------------|-------------|---------------|----------|-------------|-------------|---------|---------|-----------|----|----|
| POINT                  | STATION  | NORTHING    | EASTING     | BEARING       | DIST     | DELTA       | D           | L       | T       | R         | LT | ST |
| START                  | 10+00.00 | 617481.7814 | 736495.4669 | N74°28'56.4"E | 192.2473 |             |             |         |         |           |    |    |
| PC                     | 11+92.25 | 617533.2144 | 736680.7065 | N74°44'43.5"E | 50.5075  | 00°31'34.2" | 01°02'30.3" | 50.5077 | 25.2540 | 5500.0000 |    |    |
| END                    | 12+42.75 | 617546.5033 | 736729.4344 |               |          |             |             |         |         |           |    |    |

| PROPOSED ALIGNMENT: SW1 |          |             |             |               |         |             |              |        |        |         |    |    |
|-------------------------|----------|-------------|-------------|---------------|---------|-------------|--------------|--------|--------|---------|----|----|
| POINT                   | STATION  | NORTHING    | EASTING     | BEARING       | DIST    | DELTA       | D            | L      | T      | R       | LT | ST |
| START                   | 10+00.00 | 617554.7637 | 736508.0768 | S77°47'09.4"E | 37.5060 |             |              |        |        |         |    |    |
| PC                      | 10+37.51 | 617546.8287 | 736544.7339 | S41°25'12.1"E | 8.8941  | 72°43'54.7" | 43°56'37.4"  | 9.5206 | 5.5226 | 7.5000  |    |    |
| PT                      | 10+47.03 | 617540.1592 | 736550.6180 | S05°03'14.8"E | 6.7903  |             |              |        |        |         |    |    |
| PC                      | 10+53.82 | 617533.3954 | 736551.2162 | S10°02'21.3"E | 8.6897  | 09°58'13.1" | 114°35'29.6" | 8.7007 | 4.3614 | 50.0000 |    |    |
| PT                      | 10+62.52 | 617524.8387 | 736552.7310 | S15°01'27.8"E | 26.1686 |             |              |        |        |         |    |    |
| END                     | 10+88.69 | 617499.5646 | 736559.5147 |               |         |             |              |        |        |         |    |    |

| PROPOSED ALIGNMENT: GSMR |            |             |             |               |          |             |             |          |          |           |    |    |
|--------------------------|------------|-------------|-------------|---------------|----------|-------------|-------------|----------|----------|-----------|----|----|
| POINT                    | STATION    | NORTHING    | EASTING     | BEARING       | DIST     | DELTA       | D           | L        | T        | R         | LT | ST |
| START                    | 2202+71.54 | 617451.2314 | 734901.7391 | N43°04'36.5"E | 33.3243  |             |             |          |          |           |    |    |
| PC                       | 2203+04.86 | 617475.5727 | 734924.4989 | N44°44'50.9"E | 143.3724 | 03°20'28.8" | 02°19'48.7" | 143.3927 | 71.7167  | 2458.8333 |    |    |
| PCC                      | 2204+48.25 | 617577.3981 | 735025.4307 | N64°46'22.8"E | 513.2893 | 36°42'35.0" | 07°01'48.6" | 522.1750 | 270.4015 | 815.0000  |    |    |
| PCC                      | 2209+70.43 | 617796.1648 | 735489.7657 | N89°44'00.0"E | 218.5604 | 13°12'39.3" | 06°01'52.1" | 219.0453 | 110.0105 | 950.0000  |    |    |
| PCC                      | 2211+89.47 | 617797.1821 | 735708.3238 | S81°52'18.1"E | 143.4565 | 03°34'44.5" | 02°29'40.0" | 143.4798 | 71.7633  | 2296.9346 |    |    |
| PT                       | 2213+32.95 | 617776.8987 | 735850.3391 | S80°04'55.9"E | 78.2367  |             |             |          |          |           |    |    |
| END                      | 2214+11.19 | 617763.4236 | 735927.4067 |               |          |             |             |          |          |           |    |    |

I, JOSHUA V. GILLETT, PLS, CERTIFY THAT THE DATA COMPILED CAME FROM AVAILABLE SURVEYS/MAPPING PERFORMED BY OTHERS AND PROVIDED TO ME BY NCDOT AND DO NOT CERTIFY TO THE ACCURACY OR QUALITY OF THE INDIVIDUAL DATA SOURCES.

THIS 27th DAY OF AUGUST, 2026.

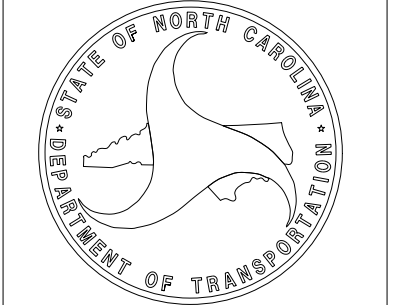
DocuSigned by:  
Joshua Gillett  
A0A7A62BD036142A...

PROFESSIONAL LAND SURVEYOR L-4819

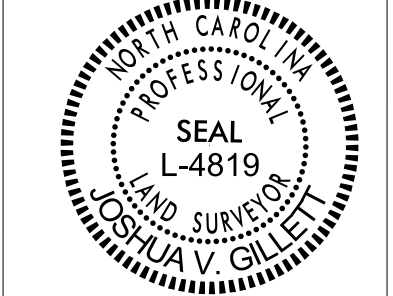
BN-0003

R/W020-I

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION



PROFESSIONAL LAND  
SURVEYOR

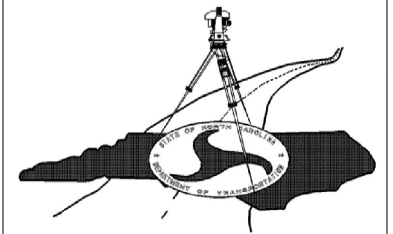


DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL SIGNATURES  
ARE COMPLETED

TIP PROJECT: BN-0003

County: Jackson

PREPARED FOR



LOCATION AND  
SURVEYS UNIT

PREPARED BY:  
LOCATION AND SURVEYS  
DIVISION 14  
122 BONNIE LANE  
SYLVA, NC 28779

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.

## Certificate Of Completion

Envelope Id: E7729E12-BB98-8310-824D-1FAEFE50396E

Status: Completed

Subject: Complete with Docusign: 150\_015\_BN-0003\_LS\_RW02D-1.pdf

Source Envelope:

Document Pages: 1

Signatures: 1

Envelope Originator:

Certificate Pages: 1

Initials: 0

Josh Gillett

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1020 Birch Ridge Dr

Envelopeld Stamping: Disabled

Raleigh, NC 27610-4328

Time Zone: (UTC-05:00) Eastern Time (US & Canada)

jgillett@ncdot.gov

IP Address: 152.22.37.26

## Record Tracking

Status: Original

Holder: Josh Gillett

Location: DocuSign

8/31/2026 9:22:26 AM

jgillett@ncdot.gov

Security Appliance Status: Connected

Pool: StateLocal

## Signer Events

## Signature

## Timestamp

Josh Gillett

jgillett@ncdot.gov

Engineering Supervisor II

North Carolina Department of Transportation

Security Level: Email, Account Authentication  
(None)

DocuSigned by:  
  
A0A7A62BD36142A...

Signature Adoption: Pre-selected Style

Using IP Address: 152.22.37.26

Sent: 8/31/2026 9:22:43 AM

Viewed: 8/31/2026 9:22:55 AM

Signed: 8/31/2026 9:23:03 AM

## Electronic Record and Signature Disclosure:

Not Offered via Docusign

## In Person Signer Events

## Signature

## Timestamp

## Editor Delivery Events

## Status

## Timestamp

## Agent Delivery Events

## Status

## Timestamp

## Intermediary Delivery Events

## Status

## Timestamp

## Certified Delivery Events

## Status

## Timestamp

## Carbon Copy Events

## Status

## Timestamp

## Witness Events

## Signature

## Timestamp

## Notary Events

## Signature

## Timestamp

## Envelope Summary Events

## Status

## Timestamps

Envelope Sent

Hashed/Encrypted

8/31/2026 9:22:43 AM

Certified Delivered

Security Checked

8/31/2026 9:22:55 AM

Signing Complete

Security Checked

8/31/2026 9:23:03 AM

Completed

Security Checked

8/31/2026 9:23:03 AM

## Payment Events

## Status

## Timestamps



RIGHT OF WAY CONTROL SHEET

I, JOSHUA V. GILLET, PLS, CERTIFY THAT THE RIGHT OF WAY AND PERMANENT EASEMENT MONUMENTATION FOR THIS PROJECT SHOWN HEREIN WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT ALL HORIZONTAL CLOSURES HAD A MINIMUM RATIO OF PRECISION OF 1:10,000 (CLASS A). FIELD WORK WAS PERFORMED IN AUGUST OF 2026, AND ALL COORDINATES ARE BASED ON NAD83/NA 2011; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS OF 21NCAC 56.1600 AS APPLICABLE.

THIS 27TH DAY OF AUGUST, 2026.

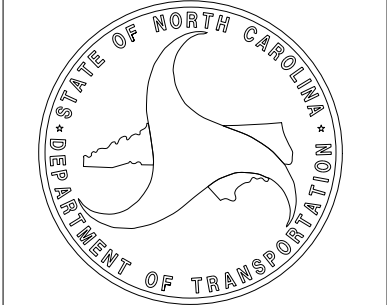
DocuSigned by:  
*Josh Gillett*  
A0A7A62B038142A...

PROFESSIONAL LAND SURVEYOR L-4819

BN-0003

R/W03E-1

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION



PROFESSIONAL LAND  
SURVEYOR



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ARE COMPLETED

| PERMANENT ROW MARKER IRON PIN AND CAP: TRL |        |             |             |
|--------------------------------------------|--------|-------------|-------------|
| STATION                                    | OFFSET | NORTH       | EAST        |
| 15+77.36                                   | 51.51  | 617697.4897 | 735506.8961 |

| PERMANENT ROW MARKER IRON PIN AND CAP: L |        |             |             |
|------------------------------------------|--------|-------------|-------------|
| STATION                                  | OFFSET | NORTH       | EAST        |
| 16+40.00                                 | 62.00  | 617656.1405 | 735564.6249 |
| 16+55.00                                 | 25.00  | 617686.5683 | 735591.3334 |
| 16+97.74                                 | 14.00  | 617686.7444 | 735637.2388 |
| 16+98.09                                 | 25.00  | 617675.8723 | 735635.5259 |

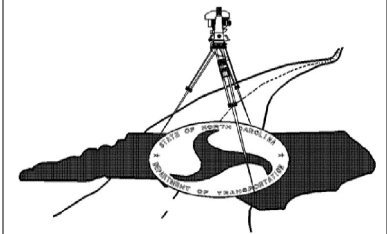
| PERMANENT EASEMENT MARKER IRON PIN AND CAP: L |        |             |             |
|-----------------------------------------------|--------|-------------|-------------|
| STATION                                       | OFFSET | NORTH       | EAST        |
| 25+96.00                                      | 14.00  | 617555.6441 | 736519.5960 |
| 25+96.00                                      | 30.00  | 617539.9759 | 736516.3544 |
| 26+11.00                                      | 30.00  | 617536.9369 | 736531.0433 |

| PERMANENT EASEMENT MARKER IRON PIN AND CAP: Y1 |        |             |             |
|------------------------------------------------|--------|-------------|-------------|
| STATION                                        | OFFSET | NORTH       | EAST        |
| 10+49.00                                       | -15.43 | 617509.7561 | 736538.5533 |

TIP PROJECT: BN-0003

County: Jackson

PREPARED FOR



LOCATION AND  
SURVEYS UNIT

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

PREPARED BY:  
LOCATION AND SURVEYS  
DIVISION 14  
122 BONNIE LANE  
SYLVA, NC 28779



## Certificate Of Completion

Envelope Id: 99029E78-2A36-8830-802E-4CFC75B2D5DD

Status: Completed

Subject: Complete with Docusign: 150\_018\_BN-0003\_LS\_RW03E-1.pdf

Source Envelope:

Document Pages: 1

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Initials: 0

Josh Gillett

AutoNav: Enabled

1020 Birch Ridge Dr

Envelopeld Stamping: Disabled

Raleigh, NC 27610-4328

Time Zone: (UTC-05:00) Eastern Time (US & Canada)

jgillett@ncdot.gov

IP Address: 152.22.37.26

## Record Tracking

Status: Original

Holder: Josh Gillett

Location: DocuSign

8/31/2026 9:24:31 AM

jgillett@ncdot.gov

Security Appliance Status: Connected

Pool: StateLocal

## Signer Events

Josh Gillett

jgillett@ncdot.gov

Engineering Supervisor II

North Carolina Department of Transportation

Security Level: Email, Account Authentication  
(None)

## Signature

DocuSigned by:  
  
A0A7A62BD36142A...

Signature Adoption: Pre-selected Style  
Using IP Address: 152.22.37.26

## Timestamp

Sent: 8/31/2026 9:25:27 AM

Viewed: 8/31/2026 9:25:36 AM

Signed: 8/31/2026 9:25:44 AM

## Electronic Record and Signature Disclosure:

Not Offered via Docusign

## In Person Signer Events

## Signature

## Timestamp

## Editor Delivery Events

## Status

## Timestamp

## Agent Delivery Events

## Status

## Timestamp

## Intermediary Delivery Events

## Status

## Timestamp

## Certified Delivery Events

## Status

## Timestamp

## Carbon Copy Events

## Status

## Timestamp

## Witness Events

## Signature

## Timestamp

## Notary Events

## Signature

## Timestamp

## Envelope Summary Events

## Status

## Timestamps

Envelope Sent

Hashed/Encrypted

8/31/2026 9:25:27 AM

Certified Delivered

Security Checked

8/31/2026 9:25:36 AM

Signing Complete

Security Checked

8/31/2026 9:25:44 AM

Completed

Security Checked

8/31/2026 9:25:44 AM

## Payment Events

## Status

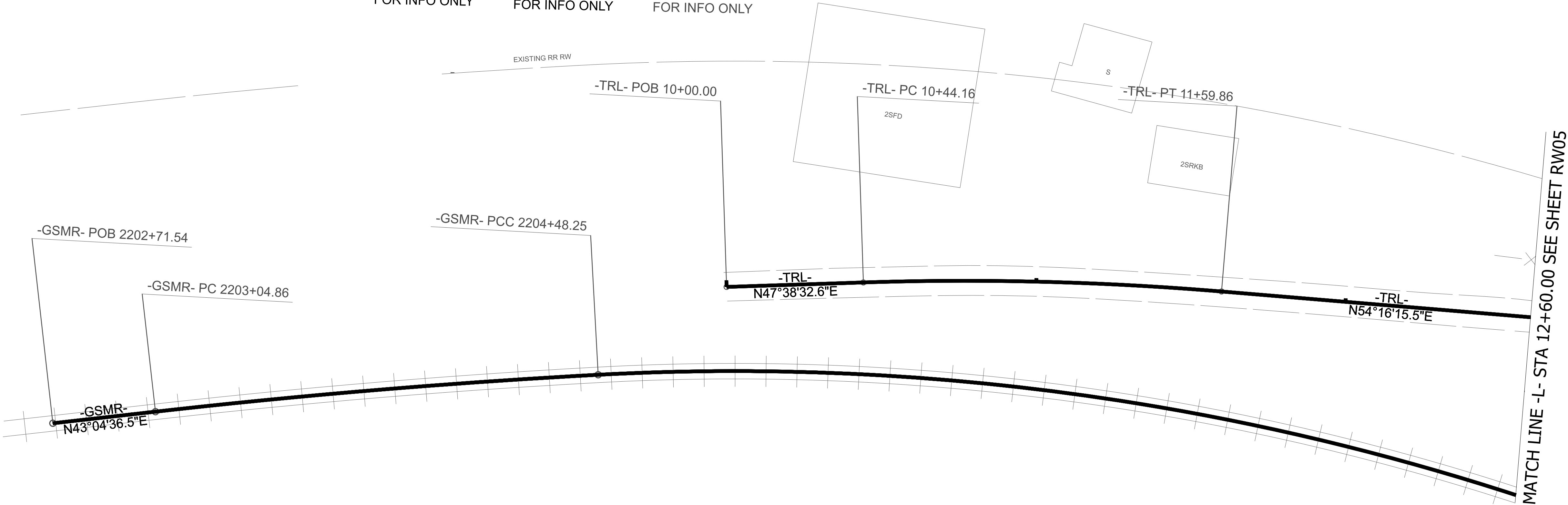
## Timestamps

NAD 83  
NC GRID  
NA 2011

**CUR DATA -TRL-**  
Plc 11+02.075  
Δc = 06°37'42.9" (LT)  
D = 05°43'46.5"  
Lc = 115.69  
Tc = 57.91  
R = 1,000  
FOR INFO ONLY

**CUR DATA -GSMR-**  
Plc 2203+76.58  
Δc = 03°20'28.8" (RT)  
D = 02°19'48.7"  
Lc = 143.39  
Tc = 71.72  
R = 2,458.83  
FOR INFO ONLY

**CUR DATA -GSMR-**  
Plc 2207+18.66  
Δc = 36°42'35.0" (RT)  
D = 07°01'48.6"  
Lc = 522.18  
Tc = 270.40  
R = 815  
FOR INFO ONLY



I, JOSHUA V. GILLETT, PLS, CERTIFY THAT THE RIGHT OF WAY AND PERMANENT EASEMENT MONUMENTATION FOR THIS PROJECT SHOWN HEREIN WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT ALL HORIZONTAL CLOSURES HAD A MINIMUM RATIO OF PRECISION OF 1:10,000 (CLASS A). FIELD WORK WAS PERFORMED IN AUGUST OF 2026, AND ALL COORDINATES ARE BASED ON NAD83/NA 2011; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS OF 21NCAC 56.1600 AS APPLICABLE.

THIS 27TH DAY OF AUGUST, 2026.

DocuSigned by:  
*Josh Gillett*  
ADA7A62BD36142A...  
PROFESSIONAL LAND SURVEYOR L-4819

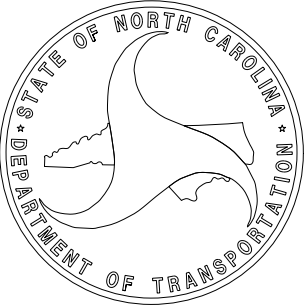
NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

BN-0003

R/W 04

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION



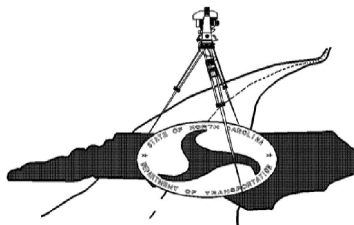
PROFESSIONAL LAND  
SURVEYOR



DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL SIGNATURES  
ARE COMPLETED

**TIP PROJECT: BN-0003**  
County: Jackson

PREPARED FOR



LOCATION AND  
SURVEYS UNIT

PREPARED BY:  
LOCATION AND SURVEYS  
DIVISION 14  
122 BONNIE LANE  
SYLVA, NC 28779

## Certificate Of Completion

Envelope Id: EB81AA42-C347-82C2-8364-BC05FD97ABE6  
 Subject: Complete with Docusign: 150\_021\_BN-0003\_LS\_RW04.pdf  
 Source Envelope:  
 Document Pages: 1  
 Certificate Pages: 1  
 AutoNav: Enabled  
 Envelope Stamping: Disabled  
 Time Zone: (UTC-05:00) Eastern Time (US & Canada)

Status: Completed

Envelope Originator:  
 Josh Gillett  
 1020 Birch Ridge Dr  
 Raleigh, NC 27610-4328  
 jgillett@ncdot.gov  
 IP Address: 152.22.37.26

## Record Tracking

Status: Original  
 8/31/2026 9:27:58 AM  
 Security Appliance Status: Connected

Holder: Josh Gillett  
 jgillett@ncdot.gov  
 Pool: StateLocal

Location: DocuSign

## Signer Events

Josh Gillett  
 jgillett@ncdot.gov  
 Engineering Supervisor II  
 North Carolina Department of Transportation  
 Security Level: Email, Account Authentication  
 (None)

## Signature

DocuSigned by:  
  
 A0A7A62BD36142A...

Signature Adoption: Pre-selected Style  
 Using IP Address: 152.22.37.26

## Timestamp

Sent: 8/31/2026 9:28:46 AM  
 Viewed: 8/31/2026 9:28:57 AM  
 Signed: 8/31/2026 9:29:07 AM

Electronic Record and Signature Disclosure:  
 Not Offered via Docusign

## In Person Signer Events

## Signature

## Timestamp

## Editor Delivery Events

## Status

## Timestamp

## Agent Delivery Events

## Status

## Timestamp

## Intermediary Delivery Events

## Status

## Timestamp

## Certified Delivery Events

## Status

## Timestamp

## Carbon Copy Events

## Status

## Timestamp

## Witness Events

## Signature

## Timestamp

## Notary Events

## Signature

## Timestamp

## Envelope Summary Events

## Status

## Timestamps

|                     |                  |                      |
|---------------------|------------------|----------------------|
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| Certified Delivered | Security Checked | 8/31/2026 9:28:57 AM |
| Signing Complete    | Security Checked | 8/31/2026 9:29:07 AM |
| Completed           | Security Checked | 8/31/2026 9:29:07 AM |

## Payment Events

## Status

## Timestamps



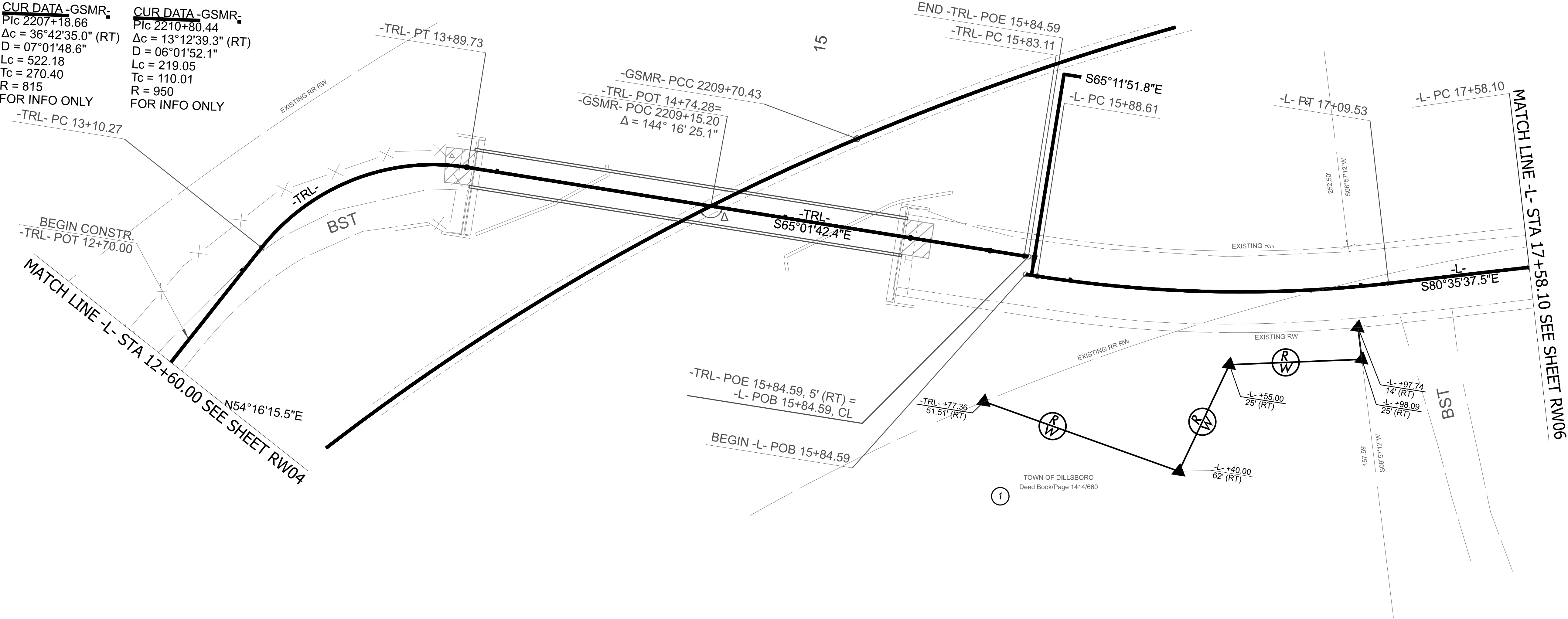
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D = 76°23'39.7"  
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Tc = 43.91  
R = 75

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P/c 15+83.851  
Δc = 00°10'09.4" (LT)  
D = 11°27'33.0"  
Lc = 1.48  
Tc = 0.74  
R = 500

**CUR DATA -L-**  
P/c 16+49.436  
Δc = 15°23'45.7" (LT)  
D = 12°43'56.6"  
Lc = 120.92  
Tc = 60.83  
R = 450

**CUR DATA -GSMR-**  
P/c 2207+18.66  
Δc = 36°42'35.0" (RT)  
D = 07°01'48.6"  
Lc = 522.18  
Tc = 270.40  
R = 815  
FOR INFO ONLY

**CUR DATA -GSMR-**  
P/c 2210+80.44  
Δc = 13°12'39.3" (RT)  
D = 06°01'52.1"  
Lc = 219.05  
Tc = 110.01  
R = 950  
FOR INFO ONLY



I, JOSHUA V. GILLET, PLS, CERTIFY THAT THE RIGHT OF WAY AND PERMANENT EASEMENT MONUMENTATION FOR THIS PROJECT SHOWN HEREIN WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT ALL HORIZONTAL CLOSURES HAD A MINIMUM RATIO OF PRECISION OF 1:10,000 (CLASS A). FIELD WORK WAS PERFORMED IN AUGUST OF 2026, AND ALL COORDINATES ARE BASED ON NAD83/NA 2011; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS OF 21NCAC 56.1600 AS APPLICABLE.

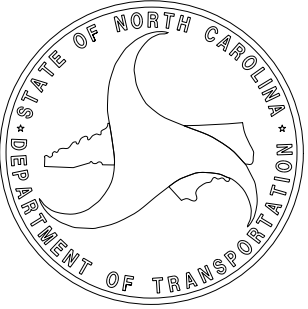
THIS 27TH DAY OF AUGUST, 2026.

DocuSigned by:  
*Joshua Gillett*  
AGAT4E2B036142A...  
PROFESSIONAL LAND SURVEYOR L-4819

BN-0003

R/W 05

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION



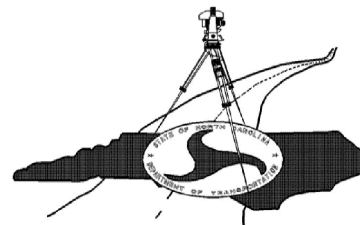
PROFESSIONAL LAND  
SURVEYOR



DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL SIGNATURES  
ARE COMPLETED

**TIP PROJECT: BN-0003**  
County: Jackson

PREPARED FOR



LOCATION AND  
SURVEYS UNIT

PREPARED BY:  
LOCATION AND SURVEYS  
DIVISION 14  
122 BONNIE LANE  
SYLVA, NC 28779

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

## Certificate Of Completion

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 Subject: Complete with Docusign: 150\_024\_BN-0003\_LS\_RW05.pdf  
 Source Envelope:  
 Document Pages: 1  
 Certificate Pages: 1  
 AutoNav: Enabled  
 Envelopeld Stamping: Disabled  
 Time Zone: (UTC-05:00) Eastern Time (US & Canada)

Status: Completed

Envelope Originator:  
 Josh Gillett  
 1020 Birch Ridge Dr  
 Raleigh, NC 27610-4328  
 jgillett@ncdot.gov  
 IP Address: 152.22.37.26

## Record Tracking

Status: Original  
 8/31/2026 9:40:22 AM  
 Security Appliance Status: Connected

Holder: Josh Gillett  
 jgillett@ncdot.gov  
 Pool: StateLocal

Location: DocuSign

## Signer Events

Josh Gillett  
 jgillett@ncdot.gov  
 Engineering Supervisor II  
 North Carolina Department of Transportation  
 Security Level: Email, Account Authentication  
 (None)

## Signature

DocuSigned by:  
  
 A0A7A62BD36142A...

Signature Adoption: Pre-selected Style  
 Using IP Address: 152.22.37.26

## Timestamp

Sent: 8/31/2026 9:40:44 AM  
 Viewed: 8/31/2026 9:40:51 AM  
 Signed: 8/31/2026 9:40:57 AM

Electronic Record and Signature Disclosure:  
 Not Offered via Docusign

## In Person Signer Events

## Signature

## Timestamp

## Editor Delivery Events

## Status

## Timestamp

## Agent Delivery Events

## Status

## Timestamp

## Intermediary Delivery Events

## Status

## Timestamp

## Certified Delivery Events

## Status

## Timestamp

## Carbon Copy Events

## Status

## Timestamp

## Witness Events

## Signature

## Timestamp

## Notary Events

## Signature

## Timestamp

## Envelope Summary Events

## Status

## Timestamps

|                     |                  |                      |
|---------------------|------------------|----------------------|
| Envelope Sent       | Hashed/Encrypted | 8/31/2026 9:40:44 AM |
| Certified Delivered | Security Checked | 8/31/2026 9:40:51 AM |
| Signing Complete    | Security Checked | 8/31/2026 9:40:57 AM |
| Completed           | Security Checked | 8/31/2026 9:40:57 AM |

## Payment Events

## Status

## Timestamps





I, JOSHUA V. GILLET, PLS, CERTIFY THAT THE RIGHT OF WAY AND PERMANENT EASEMENT MONUMENTATION FOR THIS PROJECT SHOWN HEREIN WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT ALL HORIZONTAL CLOSURES HAD A MINIMUM RATIO OF PRECISION OF 1:10,000 (CLASS A). FIELD WORK WAS PERFORMED IN AUGUST OF 2026, AND ALL COORDINATES ARE BASED ON NAD83/NA 2011; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS OF 21NCAC 56.1600 AS APPLICABLE.

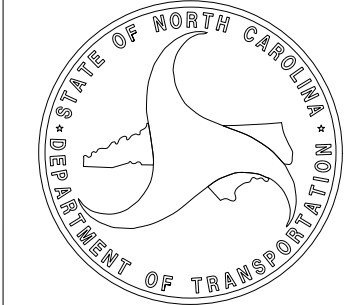
THIS 27TH DAY OF AUGUST, 2026.

DocuSigned by:  
*Josh Gillett*  
ADA7AE2ED36142A  
PROFESSIONAL LAND SURVEYOR L-4819

BN-0003

R/W 06

NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION



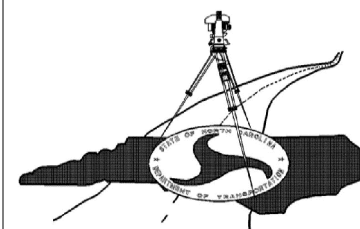
PROFESSIONAL LAND  
SURVEYOR



DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL SIGNATURES  
ARE COMPLETED

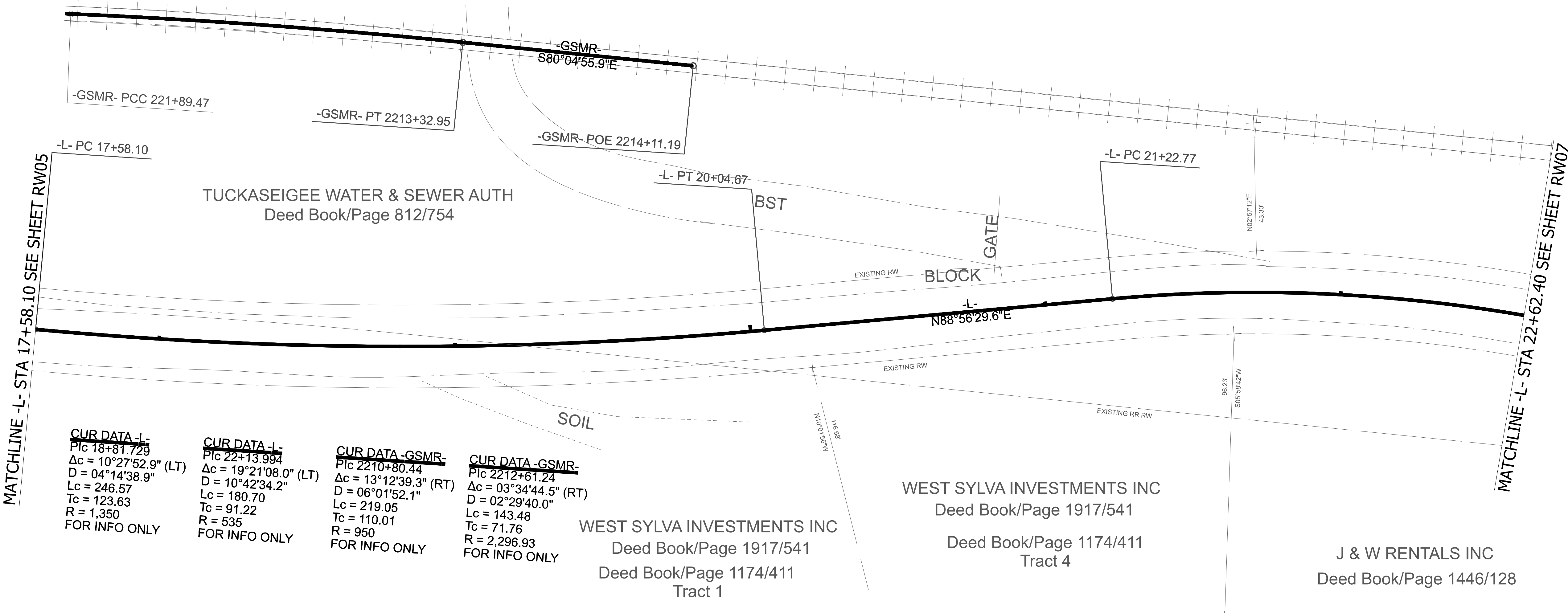
**TIP PROJECT: BN-0003**  
**County: Jackson**

PREPARED FOR



LOCATION AND  
SURVEYS UNIT

PREPARED BY:  
LOCATION AND SURVEYS  
DIVISION 14  
122 HONNIE LANE  
SYLVA, NC 28779



NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.



## Certificate Of Completion

Envelope Id: 7B866A52-4E65-849C-839A-A7B2111DC928  
 Subject: Complete with Docusign: 150\_027\_BN-0003\_LS\_RW06.pdf  
 Source Envelope:  
 Document Pages: 1  
 Certificate Pages: 1  
 AutoNav: Enabled  
 Envelope Stamping: Disabled  
 Time Zone: (UTC-05:00) Eastern Time (US & Canada)

Status: Completed

Envelope Originator:  
 Josh Gillett  
 1020 Birch Ridge Dr  
 Raleigh, NC 27610-4328  
 jgillett@ncdot.gov  
 IP Address: 152.22.37.26

## Record Tracking

Status: Original  
 8/31/2026 9:41:50 AM  
 Security Appliance Status: Connected

Holder: Josh Gillett  
 jgillett@ncdot.gov  
 Pool: StateLocal

Location: DocuSign

## Signer Events

Josh Gillett  
 jgillett@ncdot.gov  
 Engineering Supervisor II  
 North Carolina Department of Transportation  
 Security Level: Email, Account Authentication  
 (None)

## Signature

DocuSigned by:  
  
 A0A7A62BD36142A...

Signature Adoption: Pre-selected Style  
 Using IP Address: 152.22.37.26

## Timestamp

Sent: 8/31/2026 9:46:03 AM  
 Viewed: 8/31/2026 9:49:04 AM  
 Signed: 8/31/2026 9:49:11 AM

Electronic Record and Signature Disclosure:  
 Not Offered via Docusign

## In Person Signer Events

## Signature

## Timestamp

## Editor Delivery Events

## Status

## Timestamp

## Agent Delivery Events

## Status

## Timestamp

## Intermediary Delivery Events

## Status

## Timestamp

## Certified Delivery Events

## Status

## Timestamp

## Carbon Copy Events

## Status

## Timestamp

## Witness Events

## Signature

## Timestamp

## Notary Events

## Signature

## Timestamp

## Envelope Summary Events

## Status

## Timestamps

Envelope Sent  
 Certified Delivered  
 Signing Complete  
 Completed

Hashed/Encrypted  
 Security Checked  
 Security Checked  
 Security Checked

8/31/2026 9:46:03 AM  
 8/31/2026 9:49:04 AM  
 8/31/2026 9:49:11 AM  
 8/31/2026 9:49:11 AM

## Payment Events

## Status

## Timestamps

MATCHLINE -L- STA 22+62.40 SEE SHEET RW06

J & W RENTALS INC  
Deed Book/Page 1446/128



| <u>CUR DATA -I-</u>   | <u>CUR DATA -I-</u>   | <u>CUR DATA -Y1-</u>  |
|-----------------------|-----------------------|-----------------------|
| Plc 22+13.99          | Plc 24+75.31          | Plc 12+17.50          |
| Δc = 19°21'08.0" (RT) | Δc = 06°36'16.6" (RT) | Δc = 00°31'34.2" (RT) |
| D = 10°42'34.2"       | D = 03°24'37.7"       | D = 01°02'30.3"       |
| Lc = 180.70           | Lc = 193.66           | Lc = 50.51            |
| Tc = 91.22            | Tc = 96.94            | Tc = 25.25            |
| R = 535               | R = 1,680             | R = 5,500             |
| FOR INFO ONLY         | FOR INFO ONLY         | FOR INFO ONLY         |

CUR DATA -SW1-  
Plc 10+43.03  
 $\Delta c = 72^\circ 43' 54.7''$  (RT)  
 $D = 43^\circ 56' 37.4''$   
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 $R = 7.5$

CUR DATA -SW1-  
Plc 10+58.178  
 $\Delta c = 09^{\circ}58'13.1''$  (LT)  
 $D = 114^{\circ}35'29.6''$   
 $Lc = 8.70$   
 $Tc = 4.36$   
 $R = 50$

HILL, ELIZABETH ROCHESTER  
Deed Book/Page 2288/103

WILKEY, CHARLES ETAL  
Deed Book/Page 1829/582

I, JOSHUA V. GILLET, PLS, CERTIFY THAT THE RIGHT OF WAY AND PERMANENT EASEMENT MONUMENTATION FOR THIS PROJECT SHOWN HEREIN WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT ALL HORIZONTAL CLOSURES HAD A MINIMUM RATIO OF PRECISION OF 1:10,000 (CLASS A). FIELD WORK WAS PERFORMED IN AUGUST OF 2026, AND ALL COORDINATES ARE BASED ON NAD83/NA 2011; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS OF 21NCAC 56.1600 AS APPLICABLE.

THIS 27TH DAY OF AUGUST, 2026.

DocuSigned by:  
Josh Gillett  
A0A7A62BD36142A...

PROFESSIONAL LAND SURVEYOR L-4819

BLUE RIDGE HOLDINGS PARTNERS LLC  
Deed Book/Page 2269/485

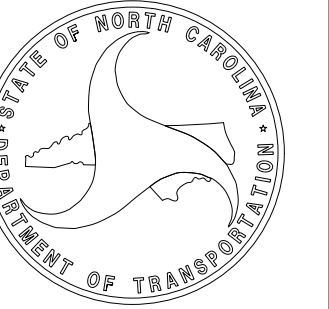
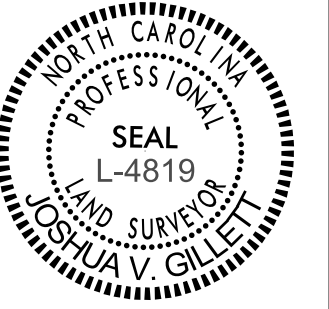
NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL  
IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

BN-0003

|     |    |
|-----|----|
| R/W | 07 |
|-----|----|

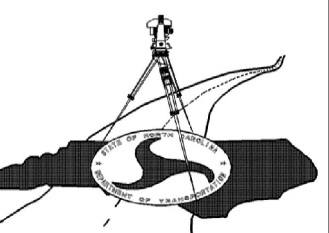
NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION

PROFESSIONAL LAND  
SURVEYOR

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL SIGNATURES  
ARE COMPLETED

***TIP PROJECT: BN-0003***  
County: Jackson

PREPARED FOR

LOCATION AND  
SURVEYS UNIT

PREPARED BY:  
LOCATION AND SURVEYS  
DIVISION 14  
122 BONNIE LANE  
SYLVA, NC 28779

## Certificate Of Completion

Envelope Id: 942565FE-34D8-893D-80A0-D92D0E317782  
 Subject: Complete with Docusign: 150\_030\_BN-0003\_LS\_RW07.pdf  
 Source Envelope:  
 Document Pages: 1  
 Certificate Pages: 1  
 AutoNav: Enabled  
 Envelope Stamping: Disabled  
 Time Zone: (UTC-05:00) Eastern Time (US & Canada)

Status: Completed

Envelope Originator:  
 Josh Gillett  
 1020 Birch Ridge Dr  
 Raleigh, NC 27610-4328  
 jgillett@ncdot.gov  
 IP Address: 152.22.71.23

## Record Tracking

Status: Original  
 8/31/2026 9:52:32 AM  
 Security Appliance Status: Connected

Holder: Josh Gillett  
 jgillett@ncdot.gov  
 Pool: StateLocal

Location: DocuSign

## Signer Events

Josh Gillett  
 jgillett@ncdot.gov  
 Engineering Supervisor II  
 North Carolina Department of Transportation  
 Security Level: Email, Account Authentication (None)

## Signature

DocuSigned by:  
  
 A0A7A62BD36142A...

Signature Adoption: Pre-selected Style  
 Using IP Address: 152.22.71.23

## Timestamp

Sent: 8/31/2026 9:52:54 AM  
 Viewed: 8/31/2026 9:53:06 AM  
 Signed: 8/31/2026 9:53:23 AM

Electronic Record and Signature Disclosure:  
 Not Offered via Docusign

## In Person Signer Events

## Signature

## Timestamp

## Editor Delivery Events

## Status

## Timestamp

## Agent Delivery Events

## Status

## Timestamp

## Intermediary Delivery Events

## Status

## Timestamp

## Certified Delivery Events

## Status

## Timestamp

## Carbon Copy Events

## Status

## Timestamp

## Witness Events

## Signature

## Timestamp

## Notary Events

## Signature

## Timestamp

## Envelope Summary Events

## Status

## Timestamps

|                     |                  |                      |
|---------------------|------------------|----------------------|
| Envelope Sent       | Hashed/Encrypted | 8/31/2026 9:52:54 AM |
| Certified Delivered | Security Checked | 8/31/2026 9:53:06 AM |
| Signing Complete    | Security Checked | 8/31/2026 9:53:23 AM |
| Completed           | Security Checked | 8/31/2026 9:53:23 AM |

## Payment Events

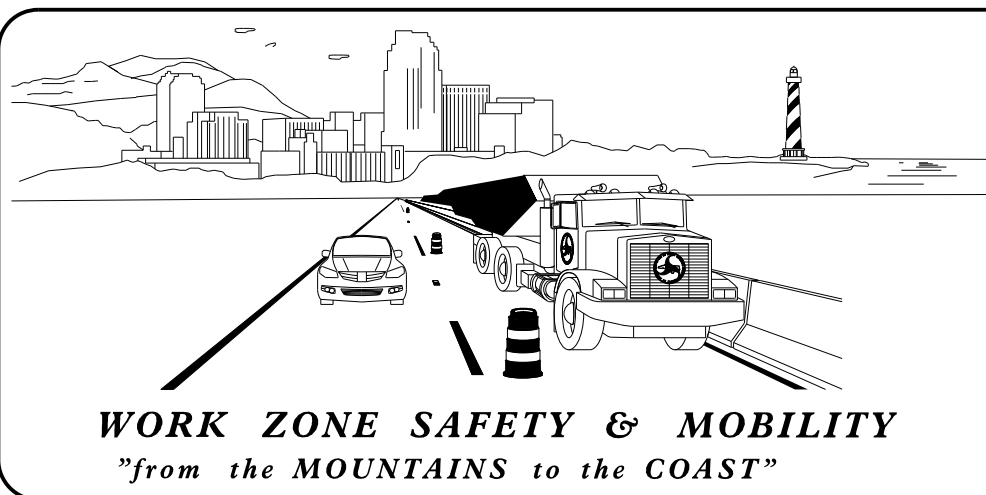
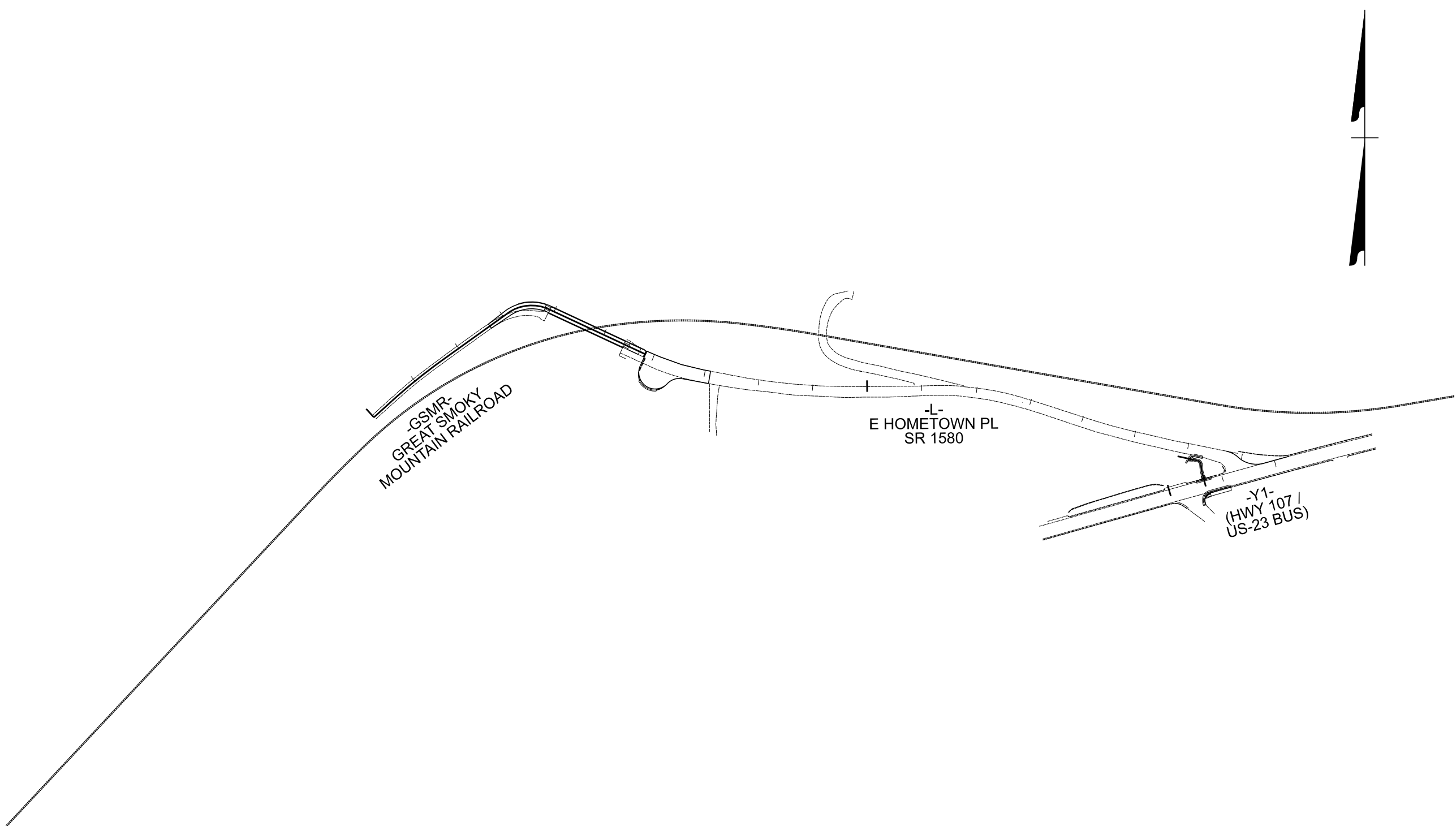
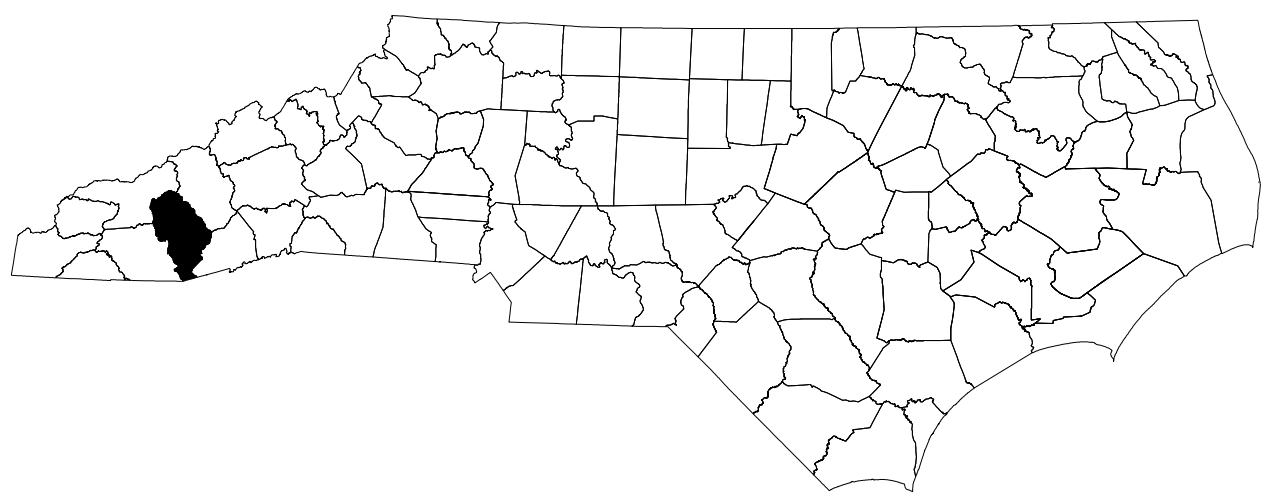
## Status

## Timestamps



STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN  
JACKSON COUNTY



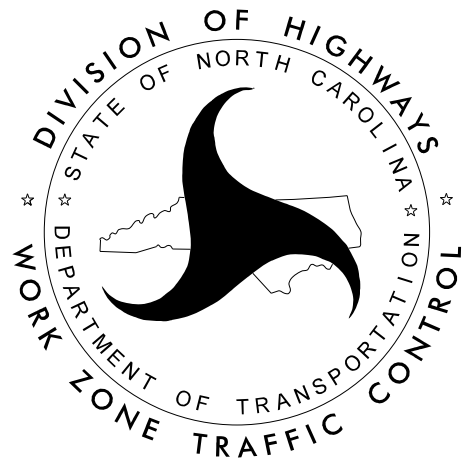
PLANS PREPARED BY:

LISA M. PODESWA, P.E.  
PROJECT ENGINEER

ISAIAH SANDERS, EI  
PROJECT DESIGN ENGINEER

NCDOT CONTACTS:

LONNIE WATKINS, P.E.  
PROJECT ENGINEER

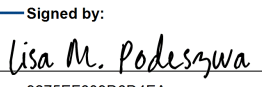


INDEX OF SHEETS

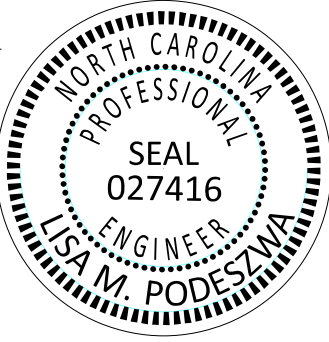
| SHEET NO. | TITLE                                                                                   |
|-----------|-----------------------------------------------------------------------------------------|
| TMP-1     | TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS                                          |
| TMP-1A    | LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND                                |
| TMP-1B    | TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND LOCAL NOTES) |
| TMP-1C    | TEMPORARY TRAFFIC CONTROL PHASING NOTES                                                 |
| TMP-2     | -L- ROAD CLOSURE                                                                        |

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



APPROVED:   
DATE: 7/30/2026

SEAL



BN-0003

TIP PROJECT:

SHEET NO.  
TMP-1

7/30/2026  
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User:lsanders



7/30/2026  
X:\Projects\TPD\TPDNCC0005 - 2021Western Divisions PDSC and GESC LSC\W0 02 Hometown Place\CADD (NCDOT)2023\NC ORD\Work Zone Traffic Control\BN0003.RDY\_TMP\_TSH.dgn  
User:lsanders

ROADWAY STANDARD DRAWINGS

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

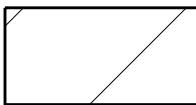
| STD. NO. | TITLE                           |
|----------|---------------------------------|
| 1101.01  | WORK ZONE ADVANCE WARNING SIGNS |
| 1101.02  | TEMPORARY LANE CLOSURES         |
| 1101.03  | TEMPORARY ROAD CLOSURES         |
| 1101.04  | TEMPORARY SHOULDER CLOSURES     |
| 1101.11  | TRAFFIC CONTROL DESIGN TABLES   |
| 1110.01  | STATIONARY WORK ZONE SIGNS      |
| 1110.02  | PORTABLE WORK ZONE SIGNS        |
| 1130.01  | DRUM                            |
| 1135.01  | CONES                           |
| 1145.01  | BARRICADES                      |
| 1150.01  | FLAGGING DEVICES                |
| 1180.01  | SKINNY-DRUM                     |

LEGEND

GENERAL

- EXIST. PVMT.
- 

NORTH ARROW
- PROPOSED PVMT.
- 

WORK AREA
- 

MILL & OVERLAY PHASE

TRAFFIC CONTROL DEVICES

- 

BARRICADE (TYPE III)

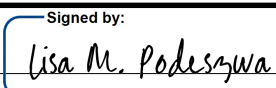
TEMPORARY SIGNING

- 

STATIONARY SIGN



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N.C.B.E.L.S. License Number: C-0293

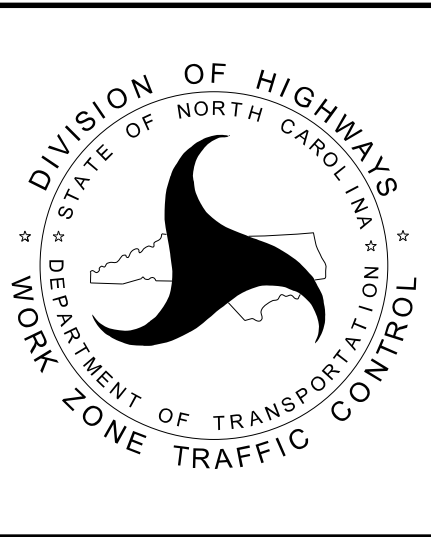
APPROVED: 

DATE: 7/30/2026

SEAL



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UNLESS ALL SIGNATURES COMPLETED



ROADWAY STANDARD  
DRAWINGS & LEGEND



7/30/2026  
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User:lsanders

| PROJ. REFERENCE NO. | SHEET NO. |
|---------------------|-----------|
| BN-0003             | TMP-1B    |

## TRAFFIC CONTROL NOTES

ALL TRAFFIC CONTROL SHALL CONFORM TO THE LATEST MUTCD AND 2024 NCDOT STANDARDS

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS, OR RESULT IN DUPLICATE, OR UNDESIRE OVERLAPPING OF DEVICES.

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

### TIME RESTRICTIONS

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

| ROAD NAME                       | DAY AND TIME RESTRICTIONS                                         |
|---------------------------------|-------------------------------------------------------------------|
| HWY 107/ US-23 BUS (W. MAIN ST) | MONDAY THROUGH FRIDAY<br>7:00 AM TO 9:00 AM<br>4:00 PM TO 6:00 PM |

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

| ROAD NAME                       |
|---------------------------------|
| HWY 107/ US-23 BUS (W. MAIN ST) |

### HOLIDAY TIME RESTRICTIONS

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 4PM DECEMBER 31ST TO 7AM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 7AM THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 4PM THURSDAY AND 7AM MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 4PM FRIDAY AND 7AM TUESDAY.

- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 4PM THE DAY BEFORE INDEPENDENCE DAY AND 7AM THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 4PM THE THURSDAY BEFORE INDEPENDENCE DAY AND 7AM THE TUESDAY AFTER INDEPENDENCE DAY.

- FOR LABOR DAY, BETWEEN THE HOURS OF 4PM FRIDAY AND 7AM TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 4PM TUESDAY AND 7AM MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 4PM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 7AM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT CLOSE ROADS AS FOLLOWS:

| ROAD NAME                       | DAY AND TIME RESTRICTIONS |
|---------------------------------|---------------------------|
| HWY 107/ US-23 BUS (W. MAIN ST) | ANYTIME                   |

D) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL.

### LANE AND SHOULDER CLOSURE REQUIREMENTS

E) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.

F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.

G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 5 FT OF AN OPEN TRAVEL LANE ON AN UNDIVIDED FACILITY, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

H) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.

I) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

J) NOTIFY THE NCDOT STATEWIDE TRANSPORTATION OPERATIONS CENTER (STOC) AT 877-627-7862 APPROXIMATELY 30 MINUTES PRIOR TO INSTALLING AND WITHIN 15 MINUTES AFTER REMOVING LANE CLOSURES ON INTERSTATES, FREEWAYS, CONTROLLED ACCESS FACILITIES, AND US ROUTES.

### PAVEMENT EDGE DROP OFF REQUIREMENTS

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

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

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

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

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

### TRAFFIC PATTERN ALTERATIONS

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

### SIGNING

N) PROVIDE SIGNING AND DEVICE REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

O) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

P) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN THE ROAD CLOSURE IS NOT IN OPERATION.

Q) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

R) INSTALL BLACK ON ORANGE "DIP SIGNS (W8-2) AND/OR "BUMP SIGNS (W8-1) 100 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

### TRAFFIC CONTROL DEVICES

S) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.

T) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED OF SUFFICIENT LENGTH TO CLOSE THE ENTIRE ROADWAY.

U) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.

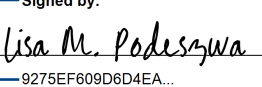
## MANAGEMENT STRATEGIES

THE IMPROVEMENTS ARE INTENDED TO BE CONSTRUCTED USING TEMPORARY FLAGGING AND ROAD CLOSURES AT THE LOCATIONS IDENTIFIED IN THE TRAFFIC CONTROL PLAN AND PHASING NOTES.

THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING DRIVEWAYS FOR THE DURATION OF THE PROJECT. CONTRACTOR TO COORDINATE WITH ADJACENT PROPERTY OWNERS AS NEEDED.

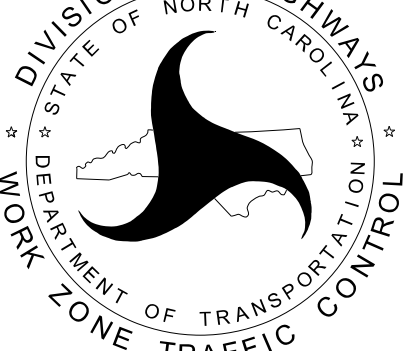


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GENERAL NOTES &  
MANAGEMENT  
STRATEGIES



7/30/2026  
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User:lsanders

| PROJ. REFERENCE NO. | SHEET NO. |
|---------------------|-----------|
| BN-0003             | TMP-1C    |

## PHASING NOTES

### PHASE 1 - SR-1580 (E HOMETOWN PLACE)

#### STEP 1

PLACE ALL CONSTRUCTION WARNING SIGNS PRIOR TO BEGINNING WORK IN ACCORDANCE WITH NCDOT STD. DWG 1101.01. THE APPROACH WARNING SIGNS SHALL BE PLACED ALONG SR-1580 (E HOMETOWN PLACE) AND HWY 107/US-23 BUS (W. MAIN ST) AND SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.

#### STEP 2

USING NCDOT STD. DWG 1101.03 (SHEET 1 OF 9) FOR A TEMPORARY ROAD CLOSURE AND SHEET TMP-2, CONSTRUCT PROPOSED ASPHALT AND CONCRETE FOR TRAIL, ROAD WEDGING AND WIDENING, PEDESTRIAN BRIDGE, DRAINAGE, EXPRESSWAY GUTTER, AND GRADING.

#### STEP 3

USING NCDOT STD. DWG 1101.02 (SHEET 1 OF 19) AND FLAGGER CONTROL TO CONSTRUCT THE MILLING AND RESURFACING FOR THE TIE-IN.

#### STEP 4

USING NCDOT STD. DWG 1101.02 (SHEET 1 OF 19), INSTALL FINAL PAVEMENT MARKINGS AND SIGNING, REMOVE ALL TRAFFIC CONTROL DEVICES AND TEMPORARY SIGNING. OPEN ALL LANES TO TRAFFIC.

### PHASE 2 - SR-1580 (E HOMETOWN PLACE) & HWY-107/US- 23 BUS (W. MAIN STREET)

#### STEP 1

PLACE ALL CONSTRUCTION WARNING SIGNS PRIOR TO BEGINNING WORK IN ACCORDANCE WITH NCDOT STD. DWG 1101.01. THE APPROACH WARNING SIGNS SHALL BE PLACED ALONG SR-1580 (E HOMETOWN PLACE) AND HWY-107/US- 23 BUS (W. MAIN STREET) AND SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.

#### STEP 2

USING NCDOT STD. DWG 1101.02 (SHEET 1 OF 19) CONSTRUCT ASPHALT, CURB & GUTTER, CURB RAMP, DRAINAGE, SIDEWALK AND GRADING ALONG THE SOUTH SIDE OF SR-1580 (E HOMETOWN PLACE) AT THE INTERSECTION WITH HWY-107/US- 23 BUS (W. MAIN STREET).

#### STEP 3

USING NCDOT STD. DWG 1101.02 (SHEET 1 OF 19) CONSTRUCT ASPHALT, CURB & GUTTER, CURB RAMP, DRAINAGE, SIDEWALK AND GRADING ALONG THE NORTH SIDE OF HWY-107/US- 23 BUS (W. MAIN STREET).

#### STEP 4

USING NCDOT STD. DWG 1101.02 (SHEET 1 OF 19) CONSTRUCT ASPHALT, CURB & GUTTER, CURB RAMP, DRAINAGE, SIDEWALK AND GRADING ALONG THE SOUTH SIDE OF HWY-107/US- 23 BUS (W. MAIN STREET).

#### STEP 5

USING NCDOT STD. DWG. 1101.02 (SHEET 1 OF 19), INSTALL FINAL PAVEMENT MARKINGS AND SIGNING, REMOVE ALL TRAFFIC CONTROL DEVICES AND TEMPORARY SIGNING. OPEN ALL LANES TO TRAFFIC.

#### NOTES:

STEPS 2,3,& 4 OF PHASE 2 CAN OCCUR IN A DIFFERENT ORDER, BUT SHALL NOT OCCUR SIMULTANEOUSLY.  
PHASES 1 & 2 CAN OCCUR SIMULTANEOUSLY.



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APPROVED: 

Signed by:  
*Lisa M. Podessma*  
9275EF60DD04EA...

DATE: 7/30/2026

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PHASING NOTES







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#####SYTIME#####DGN#####
#####SYSTEM#####USERNAME#####

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

**ENVIRONMENTALLY  
SENSITIVE AREA(S) EXIST  
ON THIS PROJECT**

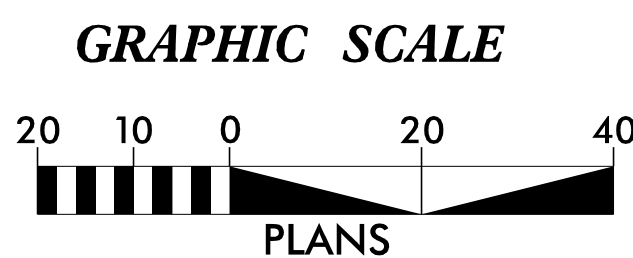
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*Refer To E. C. Special Provisions  
for Special Considerations.*



LOCATION: *SR 1580 (E HOMETOWN PL) FROM US 23 BUS (W MAIN ST)  
TO EXISTING TRAIL*

TYPE OF WORK: *GRADING, DRAINAGE, PAVING, SIGNALS,  
AND STRUCTURES*



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.



PROJECT REFERENCE NO.  
BN-0003

SHEET NO.  
EC-02

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

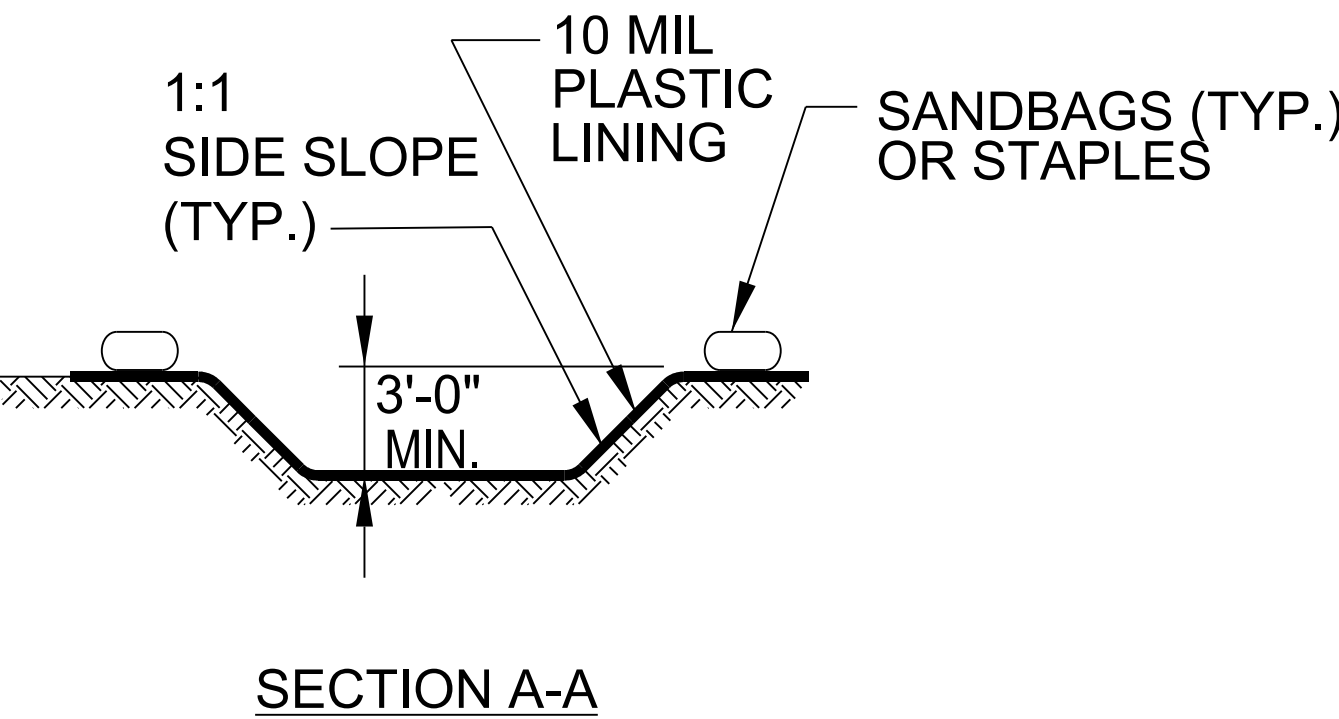
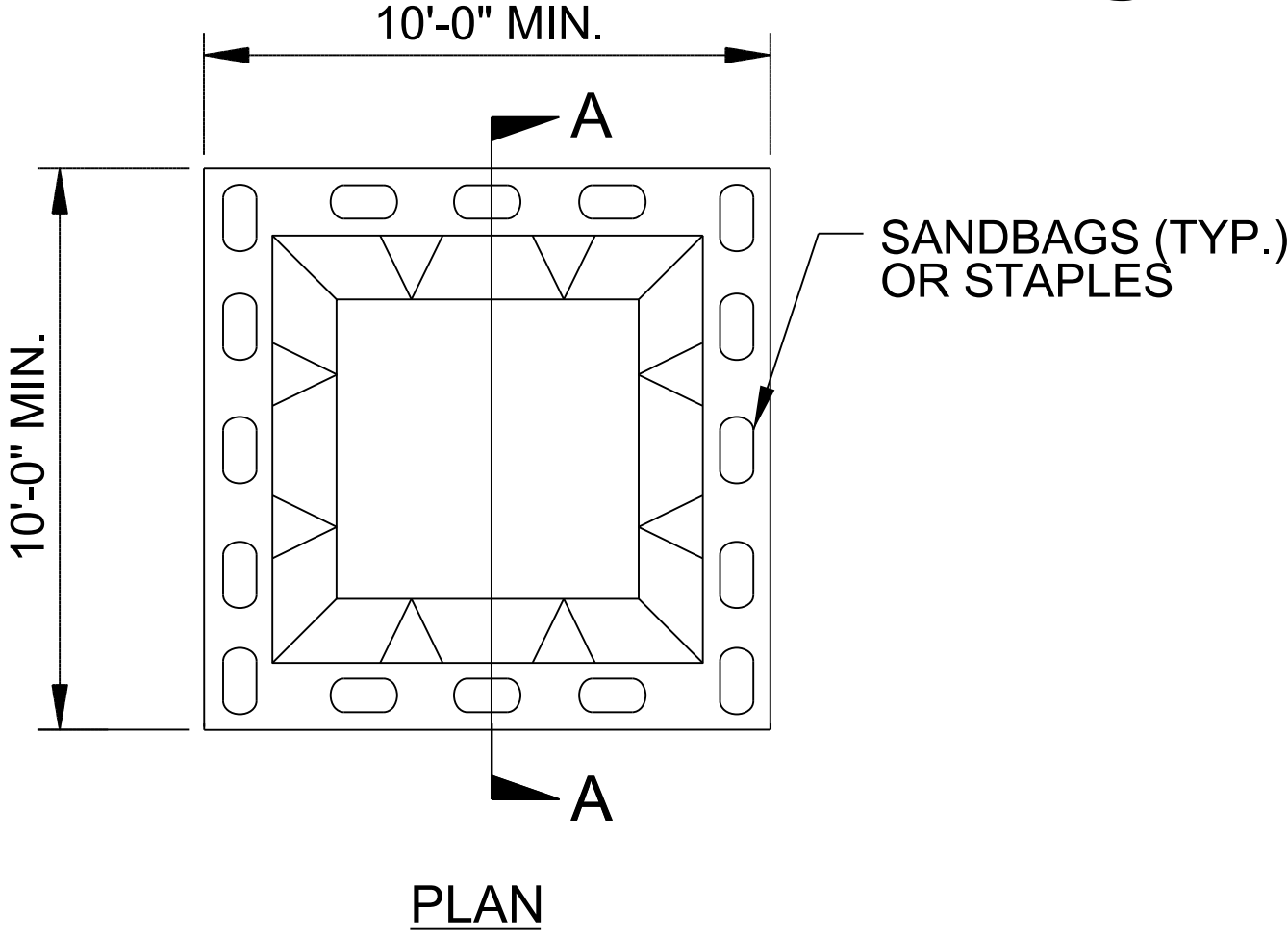
EROSION & SEDIMENT CONTROL LEGEND

| 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<br>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                           |        | 1636.03 | Excelsior Wattle Barrier                                                  |        |
| 1632.02 | Type B                           |        | 1636.03 | Coir Fiber Wattle Barrier                                                 |        |
| 1632.03 | Type C                           |        |         |                                                                           |        |



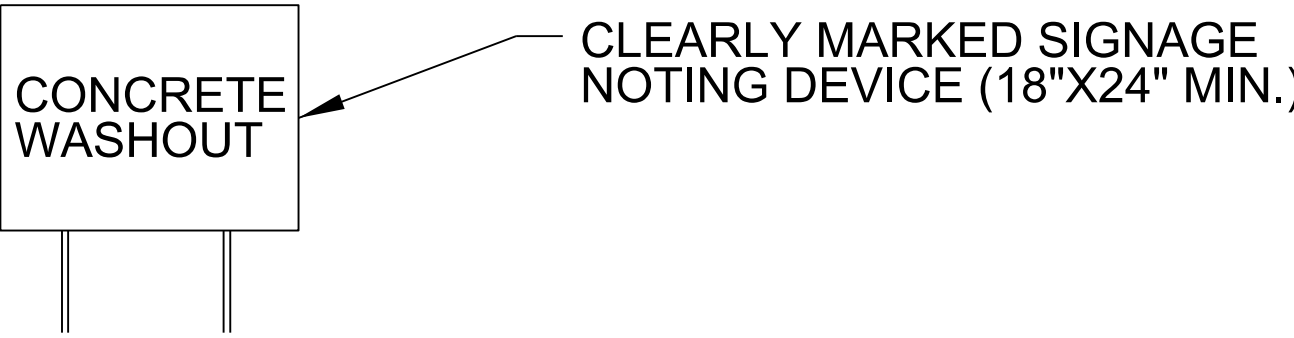
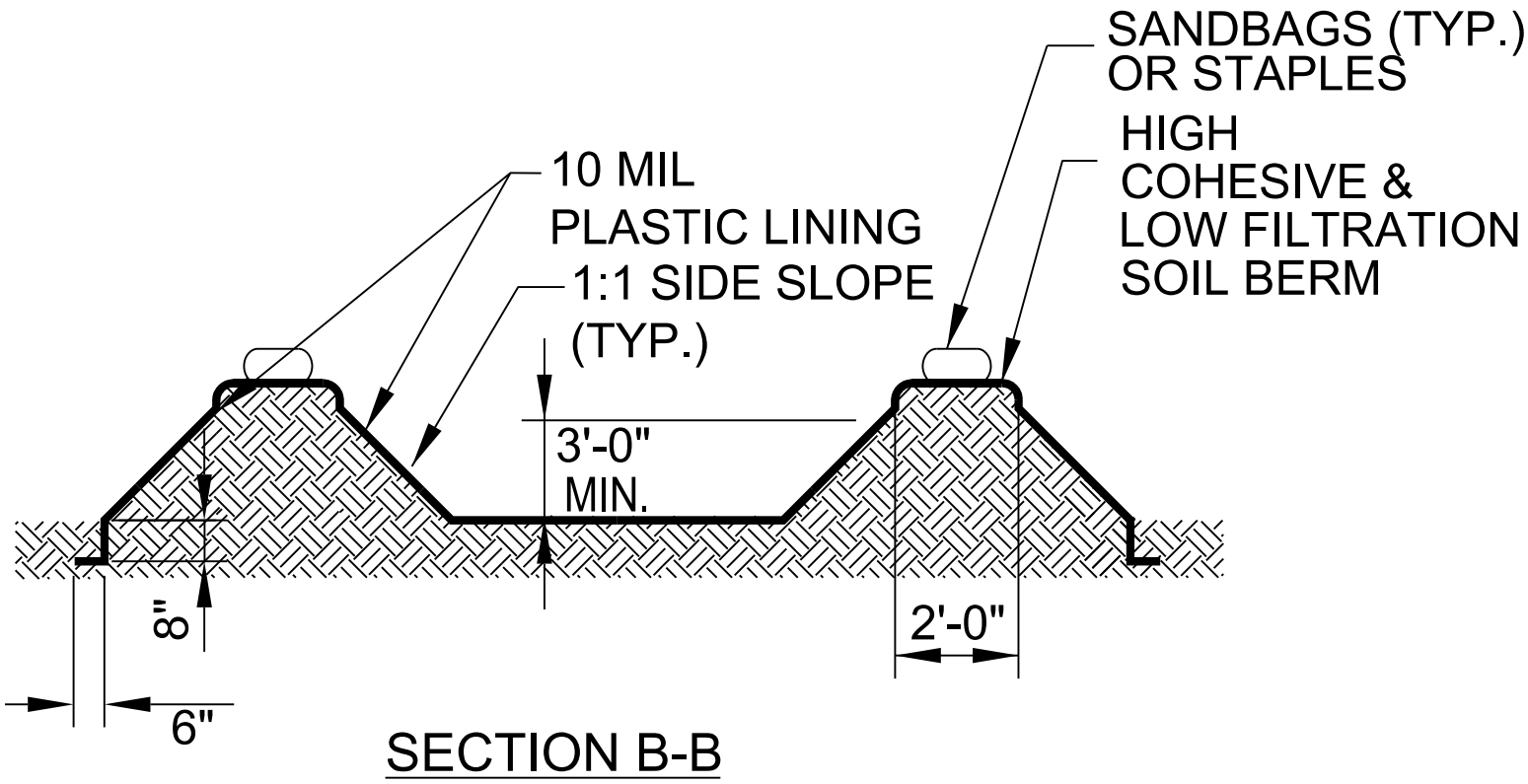
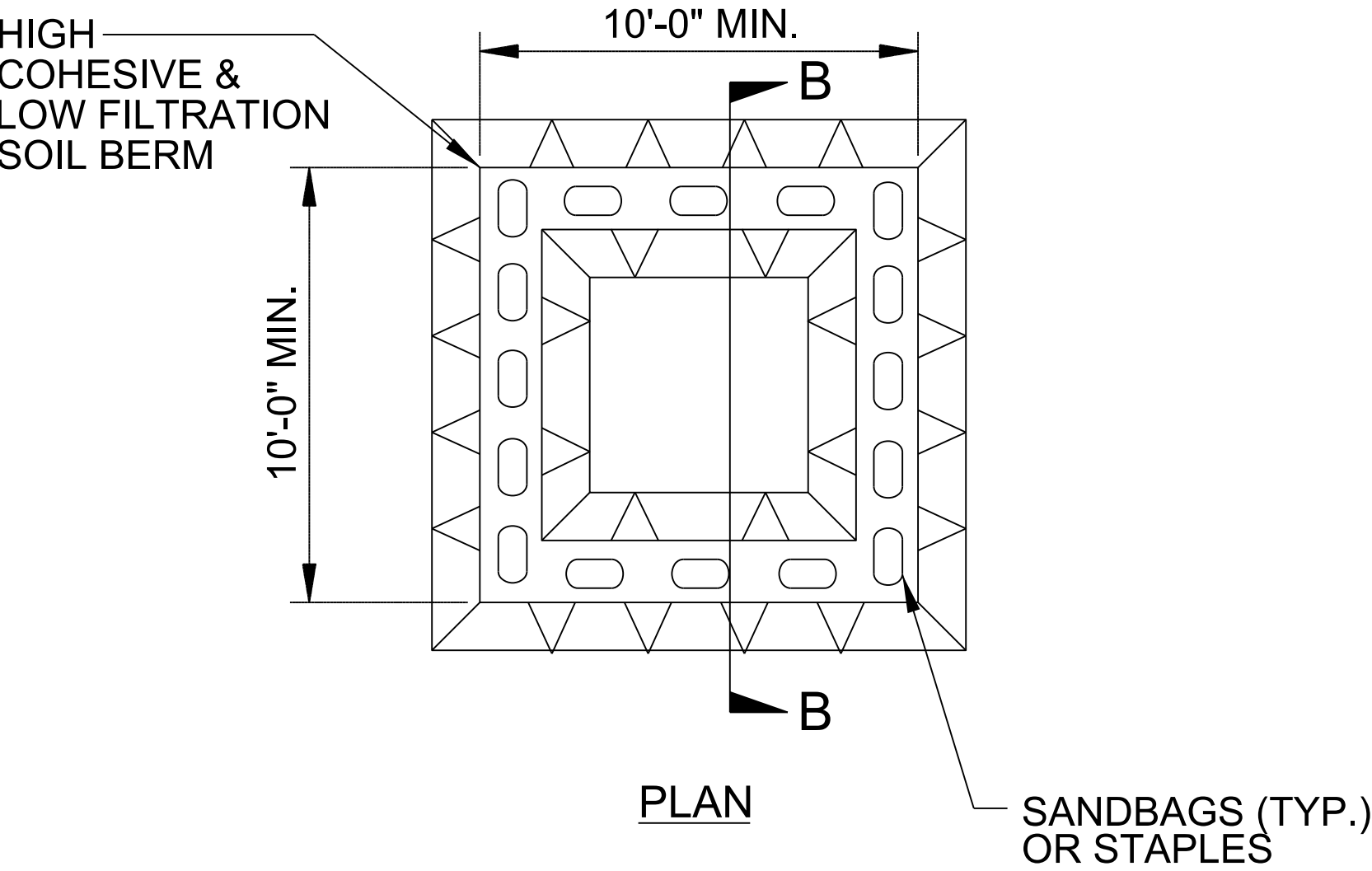
# ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER

| PROJECT REFERENCE NO.      | SHEET NO.              |
|----------------------------|------------------------|
| BN-0003                    | EC-02A                 |
| RW SHEET NO.               |                        |
| ROADWAY DESIGN<br>ENGINEER | HYDRAULICS<br>ENGINEER |



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

# SOIL STABILIZATION SUMMARY SHEET

## EXCELSIOR MATTING FOR EROSION CONTROL

[illegible]

## PERMANENT SOIL REINFORCEMENT MAT

[illegible]



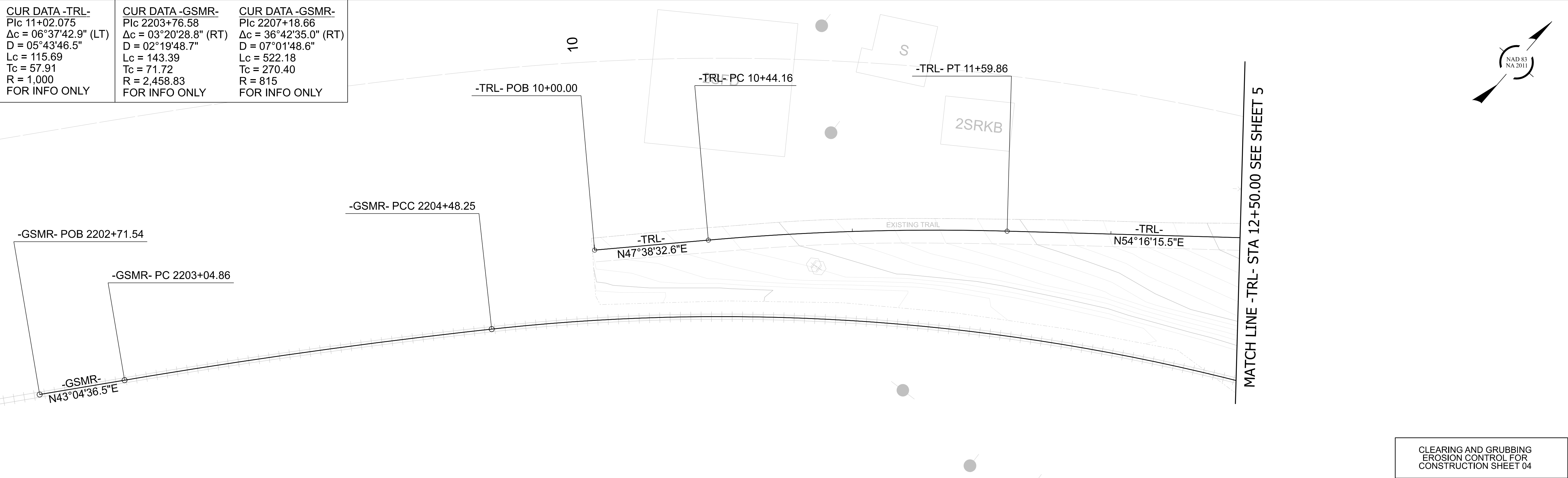
DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

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 TO 4:1                            | 14 DAYS            | 7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH WITH SLOPES STEEPER THAN 4:1.<br>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                                                                               |



|                                                                                                                                               |                                                                                                                                                    |                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CUR DATA -TRL-</b><br>Plc 11+02.075<br>Δc = 06°37'42.9" (LT)<br>D = 05°43'46.5"<br>Lc = 115.69<br>Tc = 57.91<br>R = 1,000<br>FOR INFO ONLY | <b>CUR DATA -GSMR-</b><br>Plc 2203+76.58<br>Δc = 03°20'28.8" (RT)<br>D = 02°19'48.7"<br>Lc = 143.39<br>Tc = 71.72<br>R = 2,458.83<br>FOR INFO ONLY | <b>CUR DATA -GSMR-</b><br>Plc 2207+18.66<br>Δc = 36°42'35.0" (RT)<br>D = 07°01'48.6"<br>Lc = 522.18<br>Tc = 270.40<br>R = 815<br>FOR INFO ONLY |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|



BN-0003

EC-04/CONST. 4

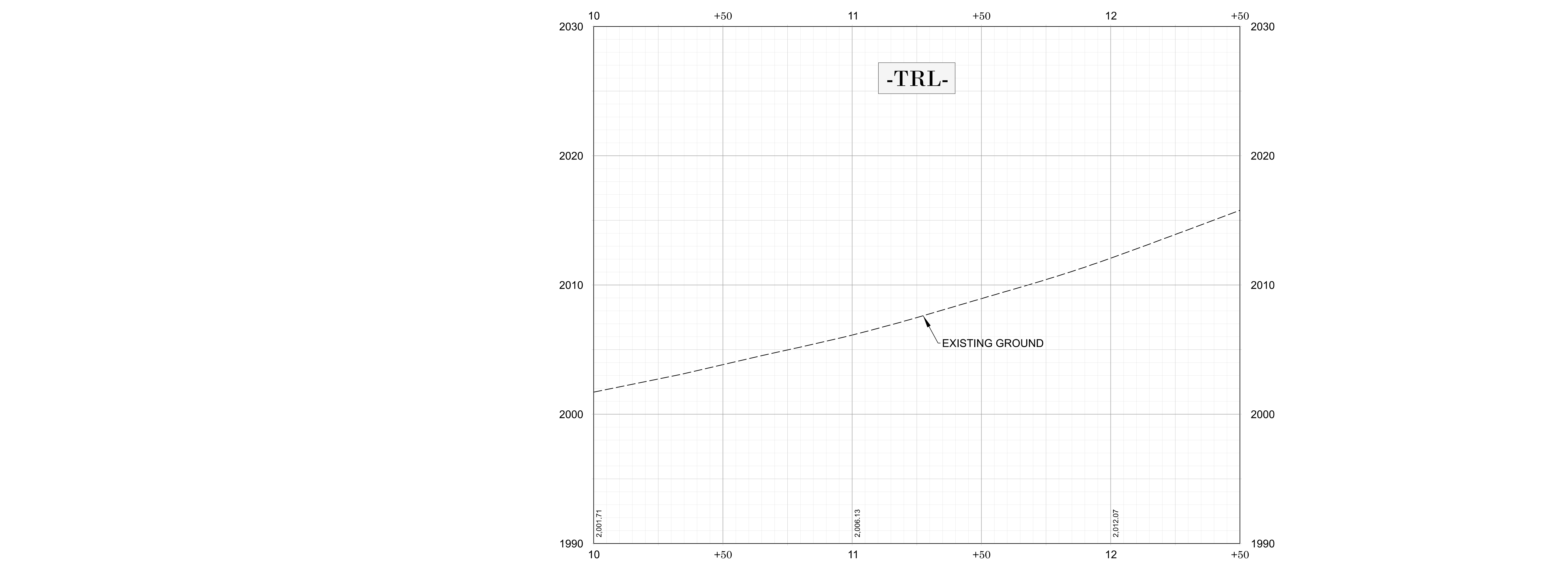
NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
JACKSON COUNTY

ROADWAY DESIGN UNIT

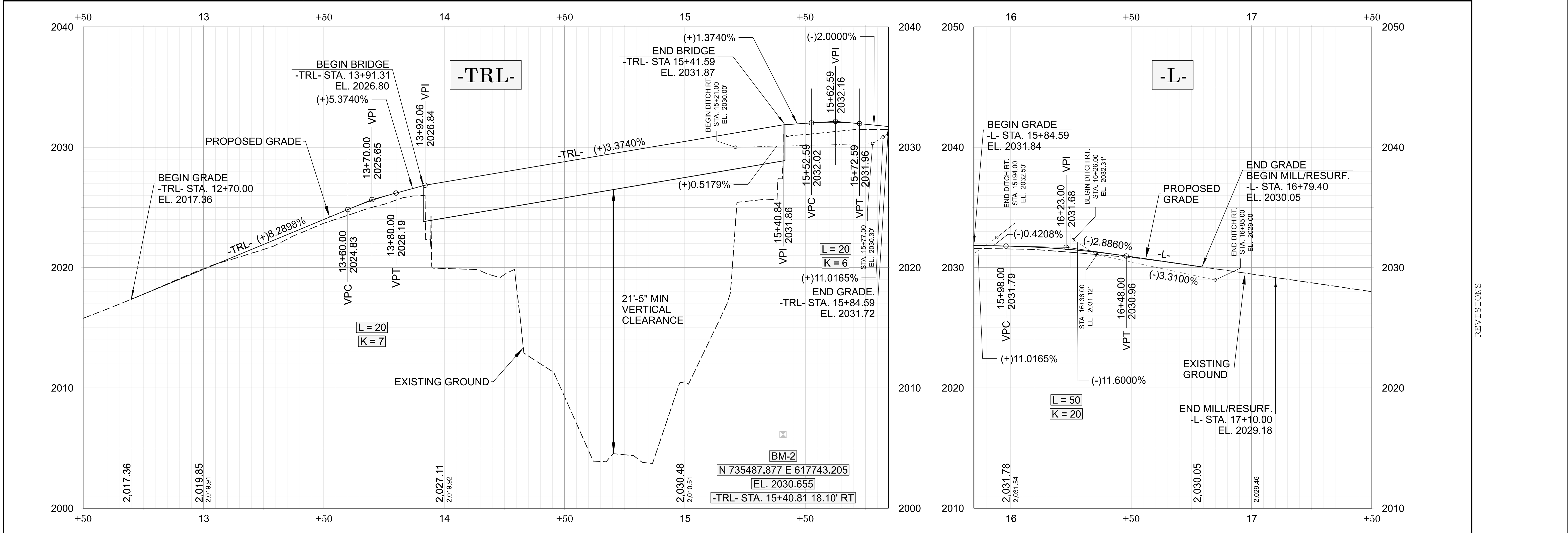
PREPARED BY

McADAMS

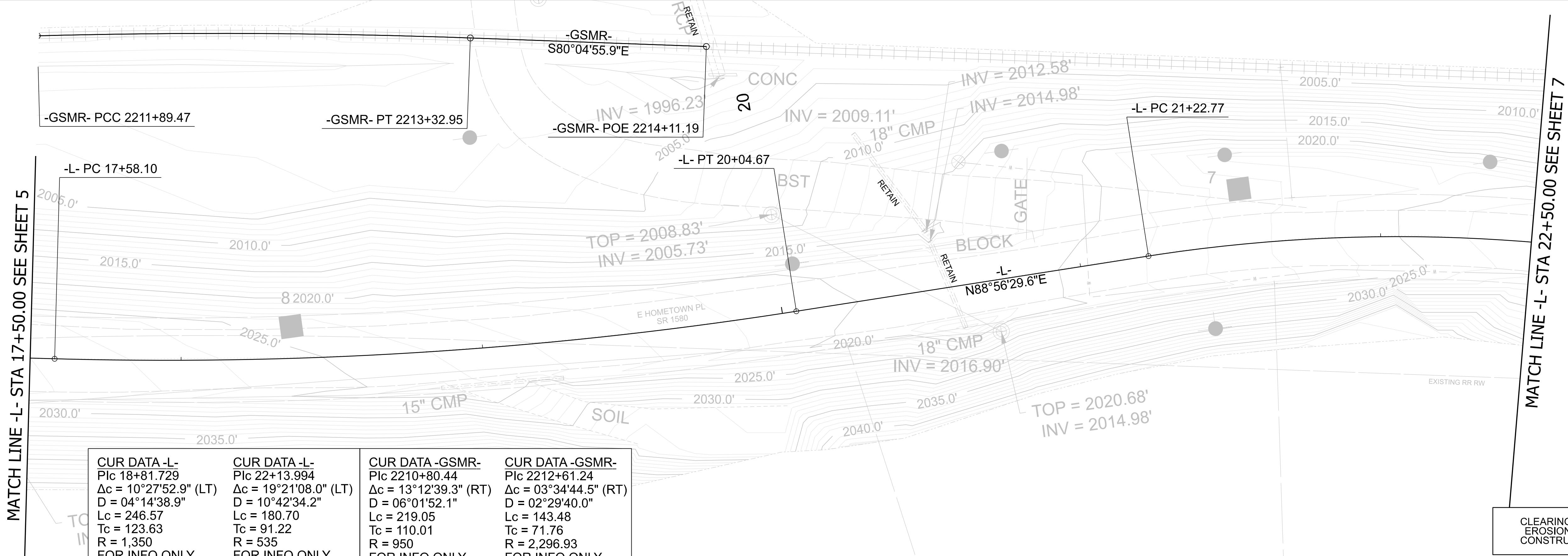
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N.C.E.T.S. License Number: C-0293







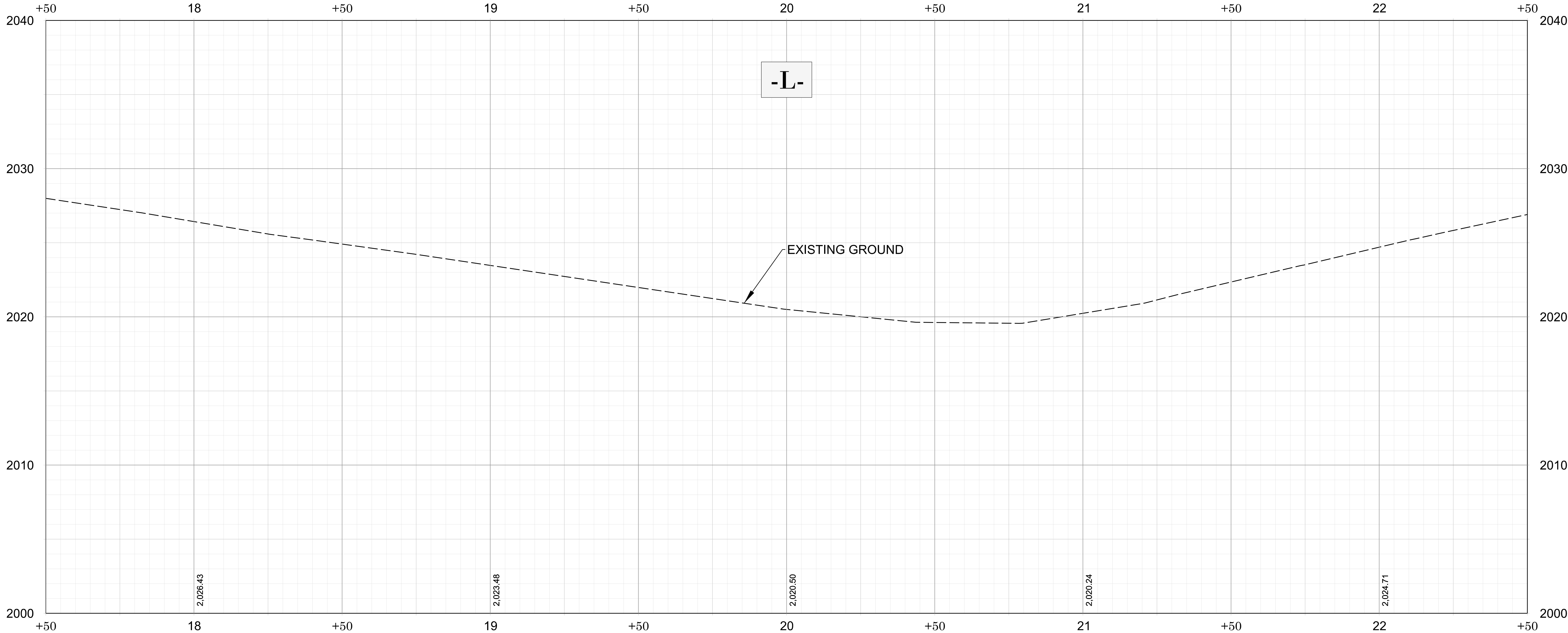




MATCH LINE -L- STA 22+50.00 SEE SHEET 7

|                                                                                                                                                                        |                                                                                                                                                                     |                                                                                                                                                                          |                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CUR DATA -L-</b><br>Plc 18+81.729<br>$\Delta c = 10^{\circ}27'52.9''$ (LT)<br>D = $04^{\circ}14'38.9''$<br>Lc = 246.57<br>Tc = 123.63<br>R = 1,350<br>FOR INFO ONLY | <b>CUR DATA -L-</b><br>Plc 22+13.994<br>$\Delta c = 19^{\circ}21'08.0''$ (LT)<br>D = $10^{\circ}42'34.2''$<br>Lc = 180.70<br>Tc = 91.22<br>R = 535<br>FOR INFO ONLY | <b>CUR DATA -GSMR-</b><br>Plc 2210+80.44<br>$\Delta c = 13^{\circ}12'39.3''$ (RT)<br>D = $06^{\circ}01'52.1''$<br>Lc = 219.05<br>Tc = 110.01<br>R = 950<br>FOR INFO ONLY | <b>CUR DATA -GSMR-</b><br>Plc 2212+61.24<br>$\Delta c = 03^{\circ}34'44.5''$ (RT)<br>D = $02^{\circ}29'40.0''$<br>Lc = 143.48<br>Tc = 71.76<br>R = 2,296.93<br>FOR INFO ONLY |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 06



BN-0003

EC-06/CONST. 6

NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

JACKSON COUNTY

ROADWAY DESIGN UNIT

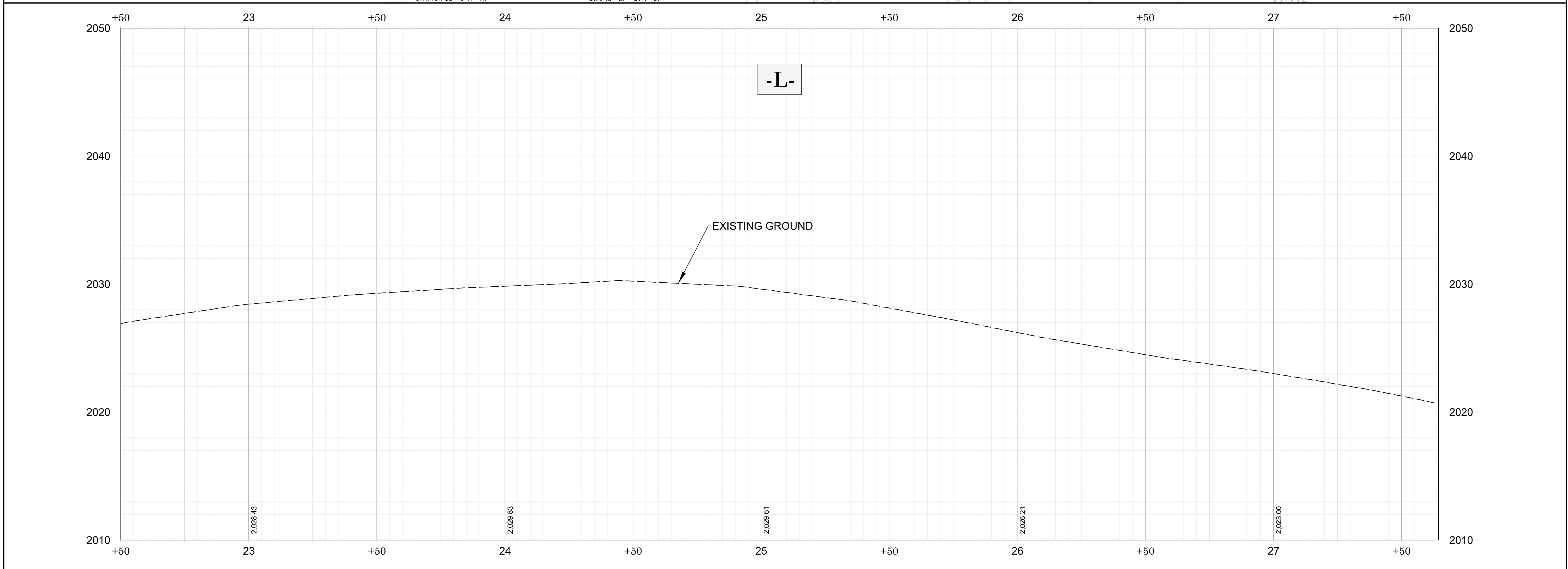
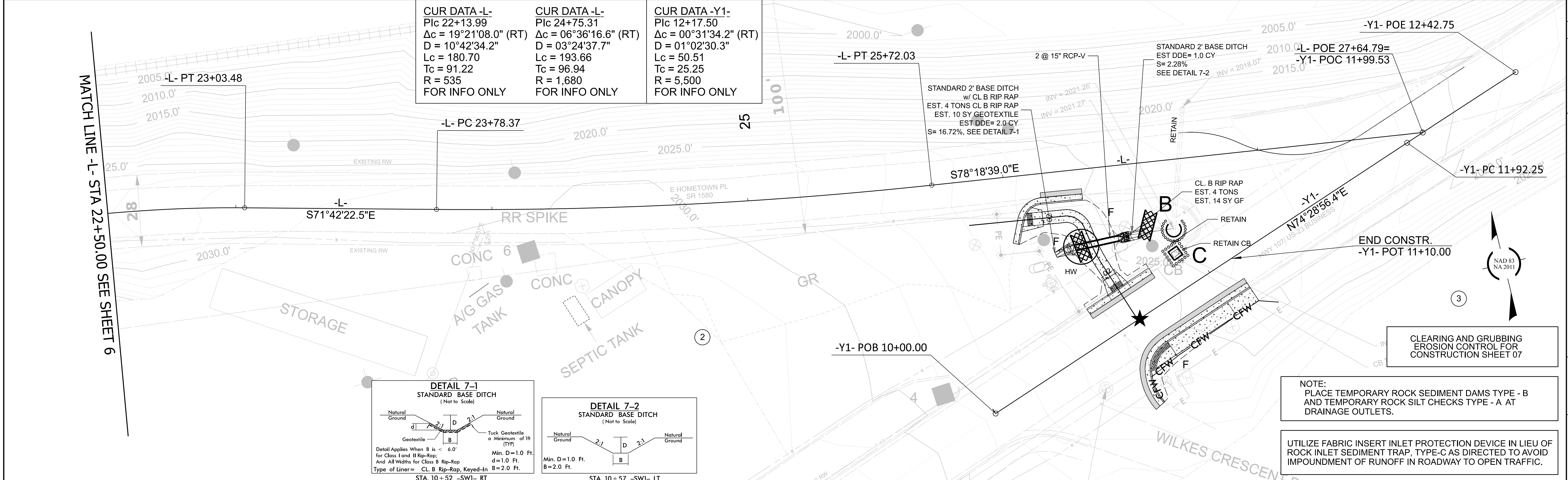
PREPARED BY

**McADAMS**

621 Hibernian Street Suite 500 Raleigh, NC 27603  
N.C.E.T.S. License Number: C-0293

REVISIONS





|                                                                                                                                                                                                                                                                                                               |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <h1 style="margin: 0;">BN-0003</h1> <h2 style="margin: 0;">EC-07/CONST. 7</h2> <p style="margin: 0;">NORTH CAROLINA<br/>DEPARTMENT OF TRANSPORTATION<br/>JACKSON COUNTY</p>  <p style="margin: 0;">ROADWAY DESIGN UNIT</p> |  |
|                                                                                                                                                                                                                                                                                                               |  |
| <p style="margin: 0;">PREPARED BY</p>  <p style="margin: 0;"><b>McADAMS</b></p> <p style="margin: 0; font-size: small;">621 1484borough Street Suite 500 Raleigh, NC 27603<br/>N.C.R.E.L.S. License Number: C-2203</p>     |  |

## REVISIONS



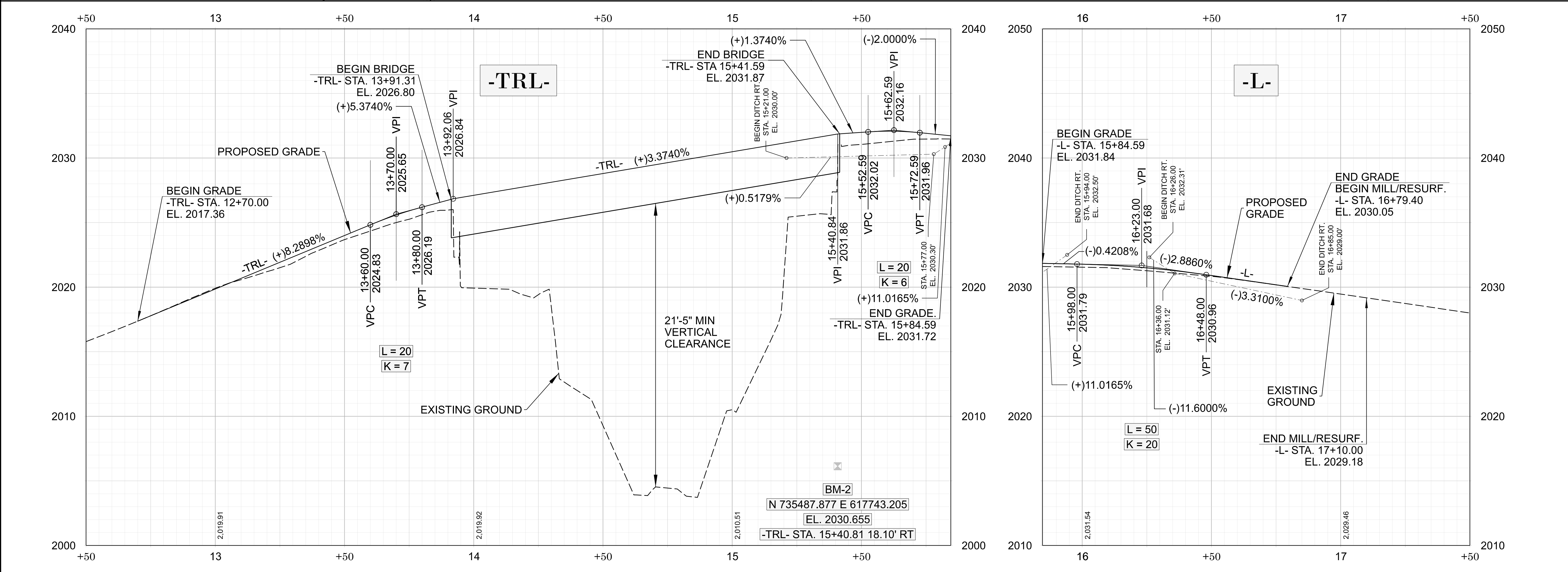
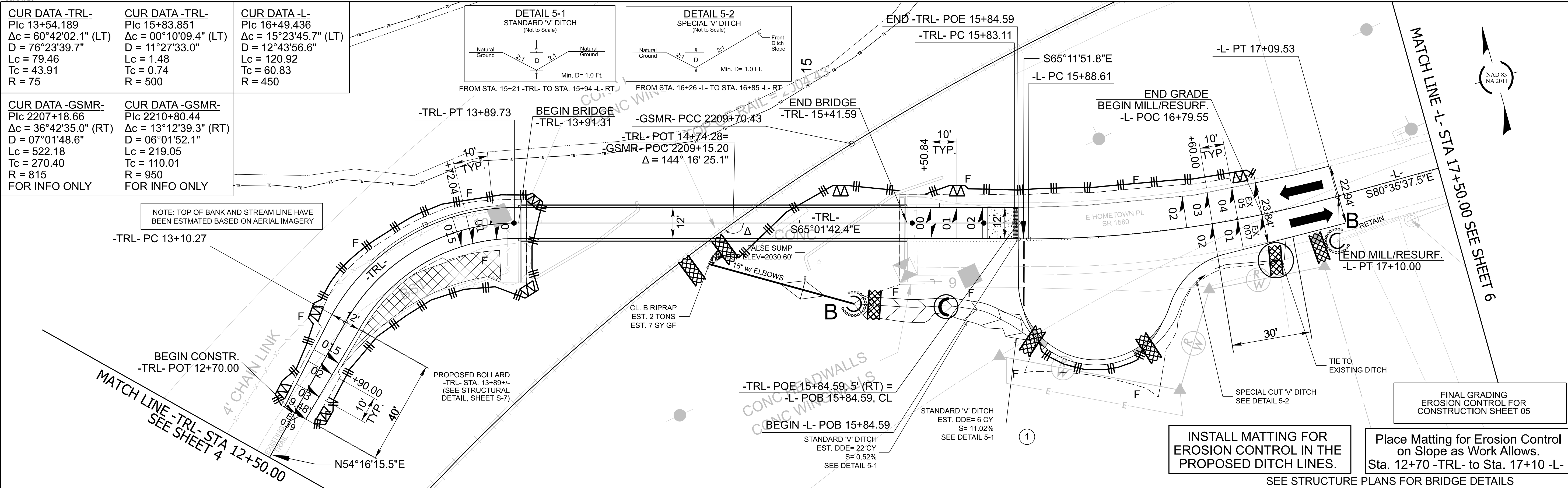




|                                                                                                                                                          |                                                                                                                                                         |                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CUR DATA -TRL-</b><br>Plc 13+54.189<br>$\Delta c = 60^{\circ}42'02.1''$ (LT)<br>$D = 76^{\circ}23'39.7''$<br>$Lc = 79.46$<br>$Tc = 43.91$<br>$R = 75$ | <b>CUR DATA -TRL-</b><br>Plc 15+83.851<br>$\Delta c = 00^{\circ}10'09.4''$ (LT)<br>$D = 11^{\circ}27'33.0''$<br>$Lc = 1.48$<br>$Tc = 0.74$<br>$R = 500$ | <b>CUR DATA -L-</b><br>Plc 16+49.436<br>$\Delta c = 15^{\circ}23'45.7''$ (LT)<br>$D = 12^{\circ}43'56.6''$<br>$Lc = 120.92$<br>$Tc = 60.83$<br>$R = 450$ |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                                                                |                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CUR DATA -GSMR-</b><br>Plc 2207+18.66<br>$\Delta c = 36^{\circ}42'35.0''$ (RT)<br>$D = 07^{\circ}01'48.6''$<br>$Lc = 522.18$<br>$Tc = 270.40$<br>$R = 815$<br>FOR INFO ONLY | <b>CUR DATA -GSMR-</b><br>Plc 2210+80.44<br>$\Delta c = 13^{\circ}12'39.3''$ (RT)<br>$D = 06^{\circ}01'52.1''$<br>$Lc = 219.05$<br>$Tc = 110.01$<br>$R = 950$<br>FOR INFO ONLY |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NOTE: TOP OF BANK AND STREAM LINE HAVE BEEN ESTIMATED BASED ON AERIAL IMAGERY



BN-0003  
EC-09/CONST. 5  
NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
JACKSON COUNTY  
ROADWAY DESIGN UNIT

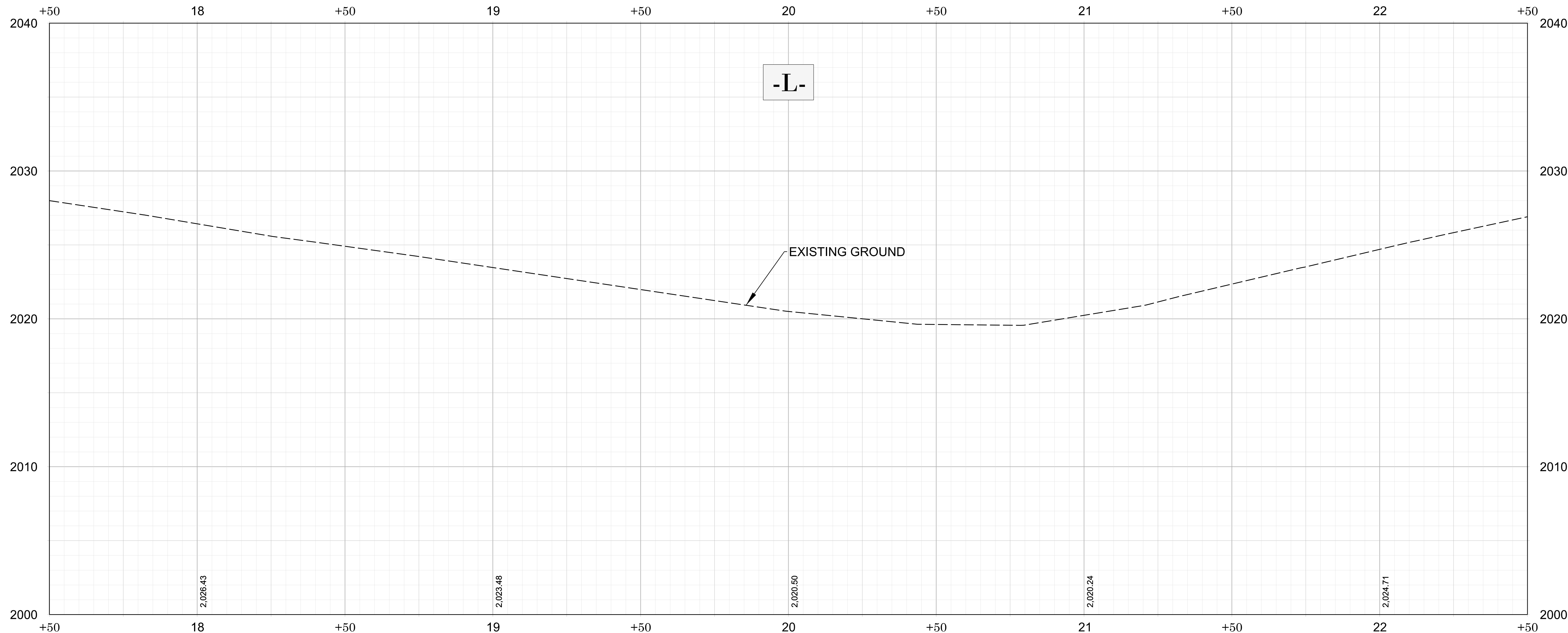
PREPARED BY  
McADAMS  
621 Hibernian Street Suite 500 Raleigh, NC 27603  
N.C.E.T.S. License Number: C-0293

REVISIONS



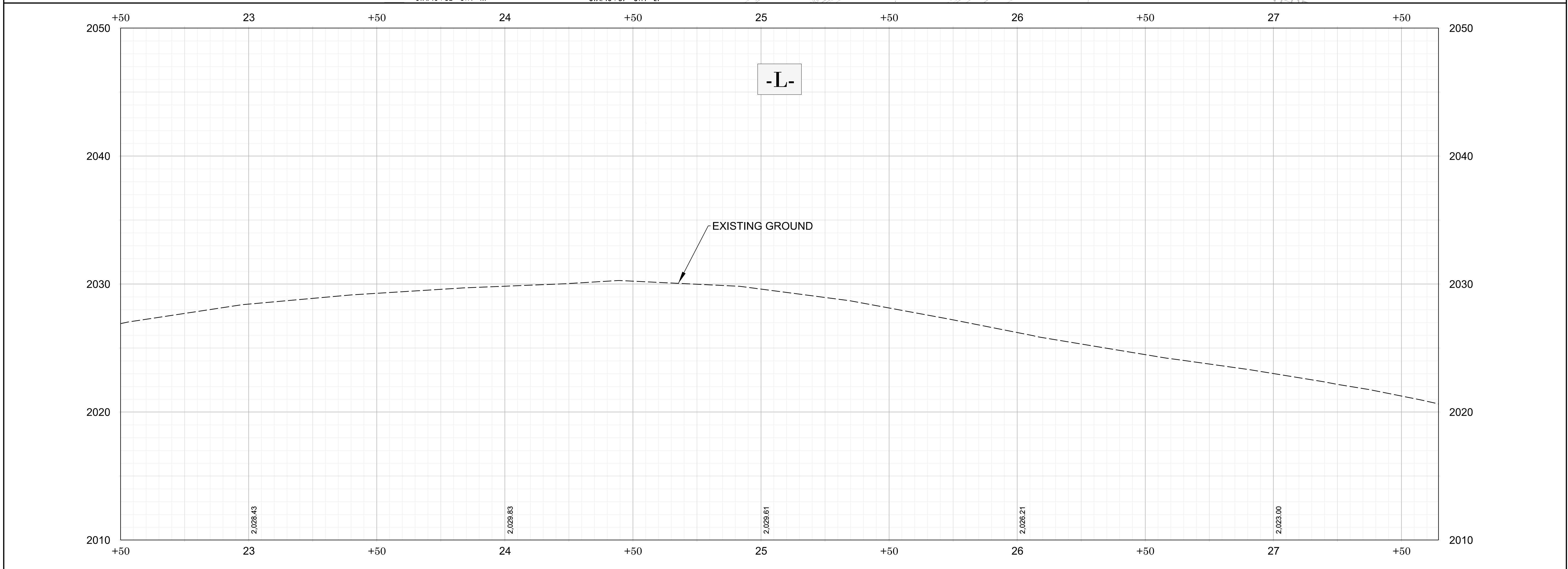
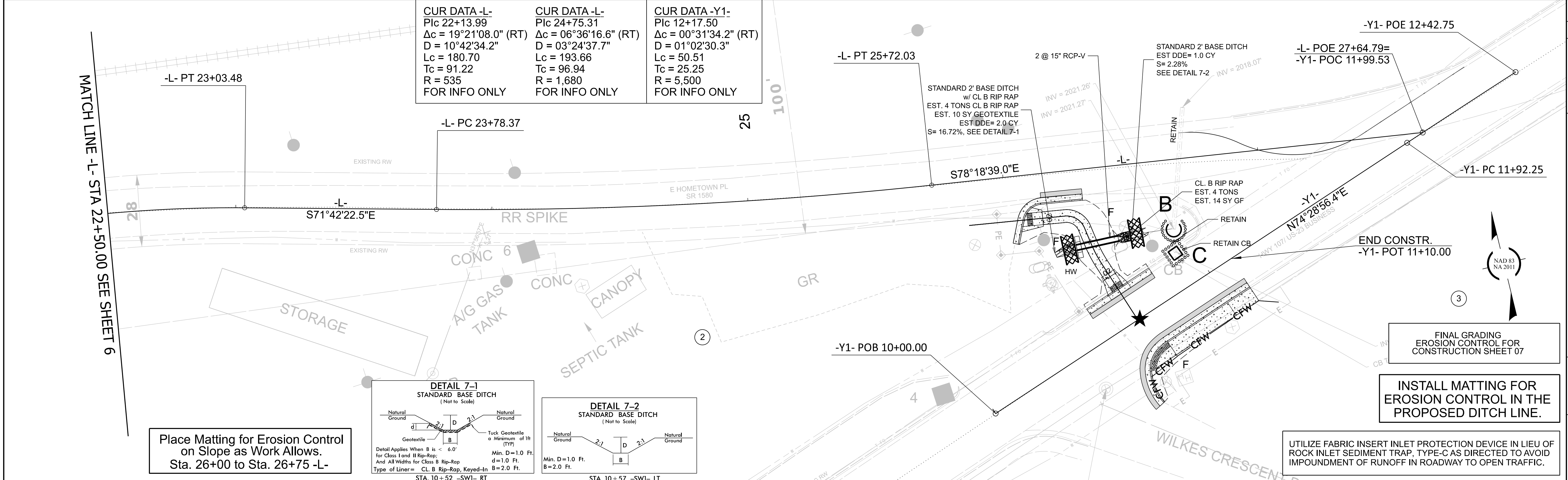


|                                                                                                                                       |                                                                                                                                    |                                                                                                                                         |                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| CUR DATA -L-<br>Plc 18+81.729<br>Δc = 10°27'52.9" (LT)<br>D = 04°14'38.9"<br>Lc = 246.57<br>Tc = 123.63<br>R = 1.350<br>FOR INFO ONLY | CUR DATA -L-<br>Plc 22+13.994<br>Δc = 19°21'08.0" (LT)<br>D = 10°42'34.2"<br>Lc = 180.70<br>Tc = 91.22<br>R = 535<br>FOR INFO ONLY | CUR DATA -GSMR-<br>Plc 2210+80.44<br>Δc = 13°12'39.3" (RT)<br>D = 06°01'52.1"<br>Lc = 219.05<br>Tc = 110.01<br>R = 950<br>FOR INFO ONLY | CUR DATA -GSMR-<br>Plc 2212+61.24<br>Δc = 03°34'44.5" (RT)<br>D = 02°29'40.0"<br>Lc = 143.48<br>Tc = 71.76<br>R = 2,296.93<br>FOR INFO ONLY |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|



REVISIONS





|                                                                                                                                                                                                                                                                            |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <div style="text-align: center;"> <h1>BN-0003</h1> <h2>EC-11/CONST. 7</h2> <p>NORTH CAROLINA<br/>DEPARTMENT OF TRANSPORTATION<br/>JACKSON COUNTY</p>  <p>ROADWAY DESIGN UNIT</p> </div> |  |
| <div style="text-align: center;"> <p>PREPARED BY</p>  <p><b>MCADAMS</b></p> <p>621 Hibernian Street Suite 500 Raleigh, NC 27601<br/>N.C.B.T.L.S. License Number: C-0293</p> </div>      |  |

## REVISIONS

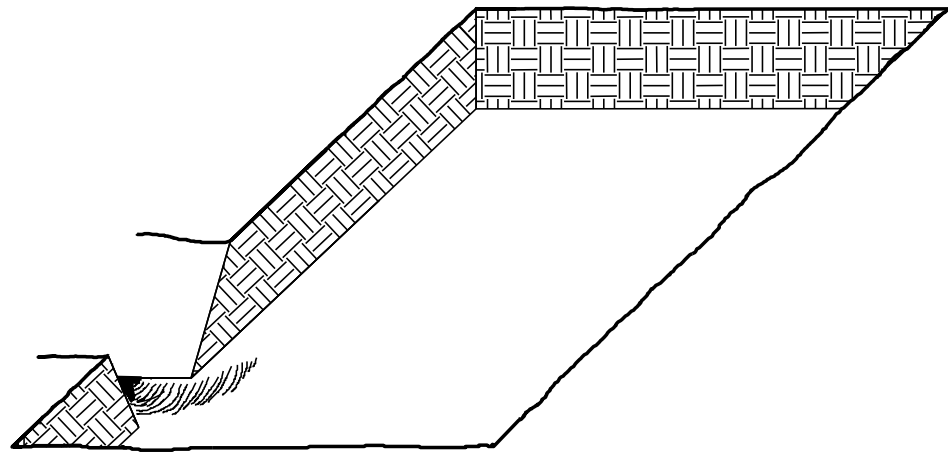


PLANTING DETAILS

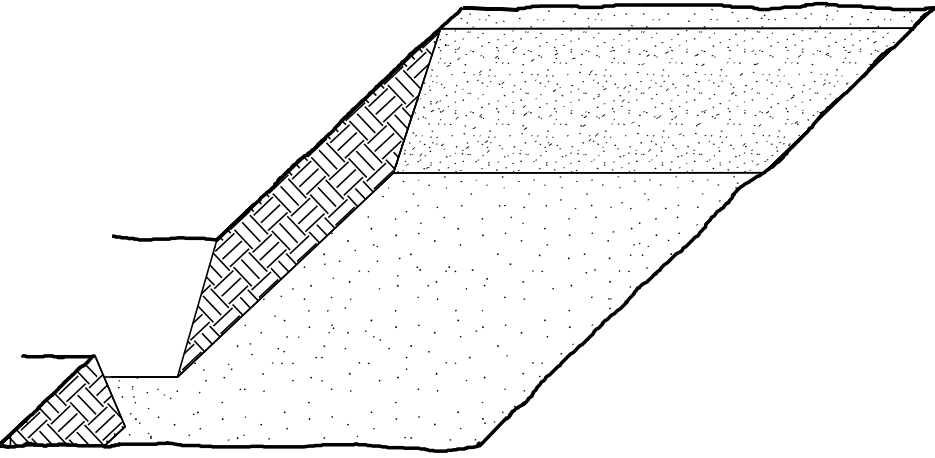
SEEDLING / LINER BAREROOT PLANTING DETAIL

HEALING IN

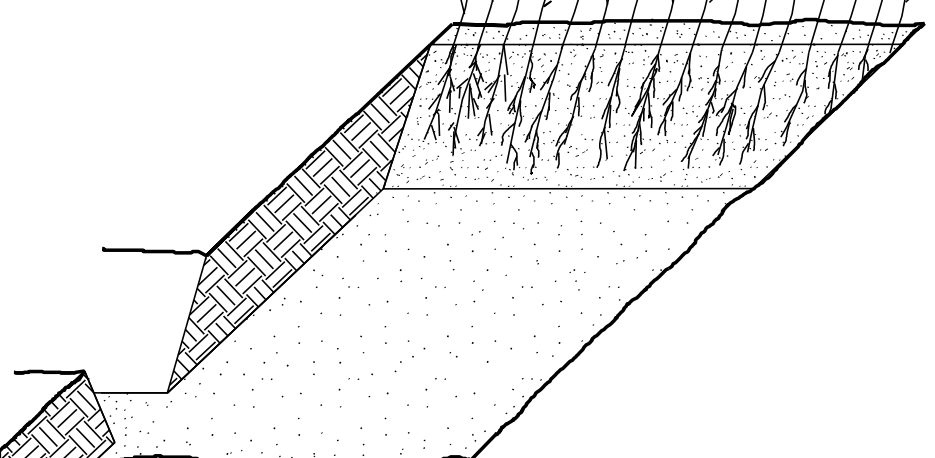
1. Locate a healing-in site in a shady, well protected area.
2. Excavate a flat bottom trench 12 inches deep and provide drainage.



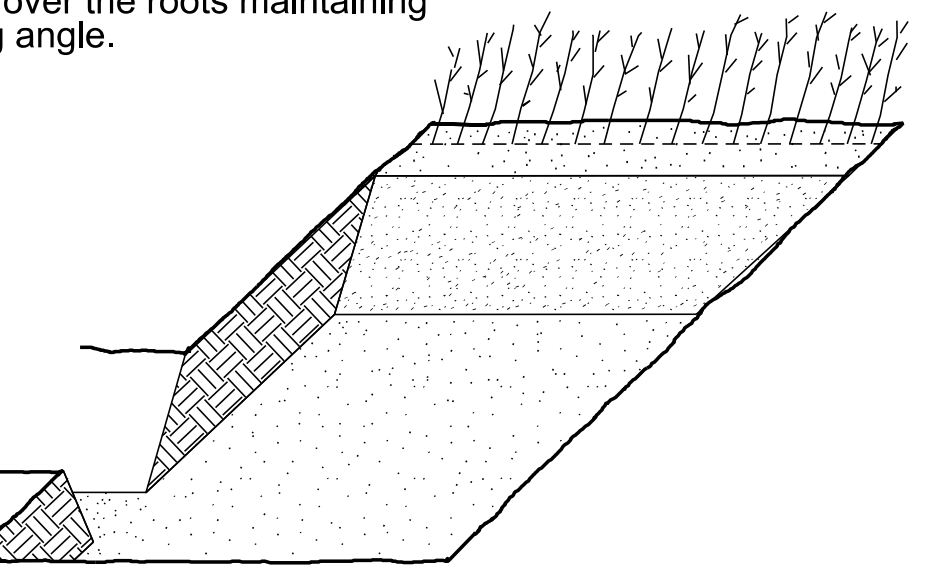
3. Backfill the trench with 2 inches well rotted sawdust. Place a 2 inch layer of well rotted sawdust at a sloping angle at one end of the trench.



4. Place a single layer of plants against the sloping end so that the root collar is at ground level.

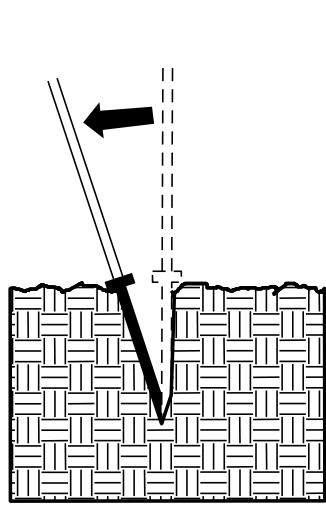


5. Place a 2 inch layer of well rotted sawdust over the roots maintaining a sloping angle.

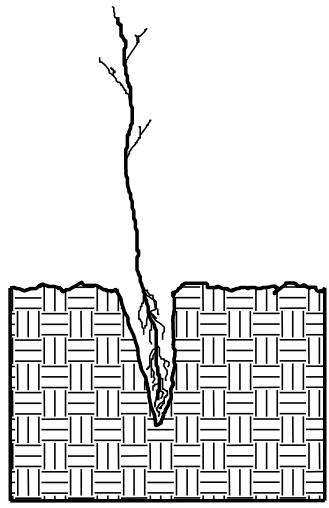


6. Repeat layers of plants and sawdust as necessary and water thoroughly.

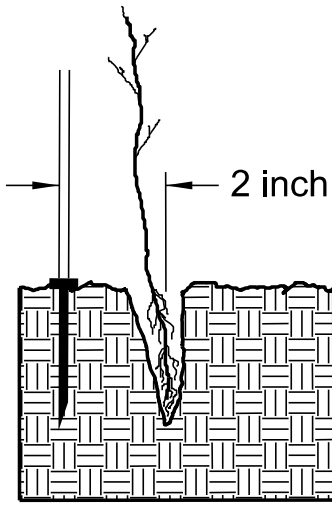
DIBBLE PLANTING METHOD  
USING THE KBC PLANTING BAR



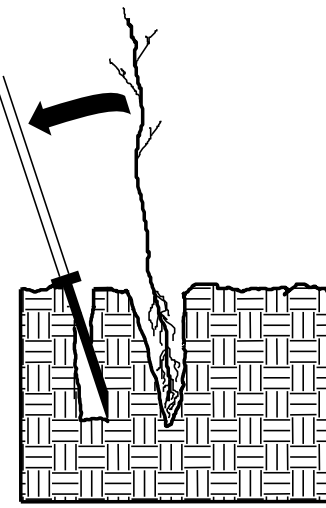
1. Insert planting bar as shown and pull handle toward planter.



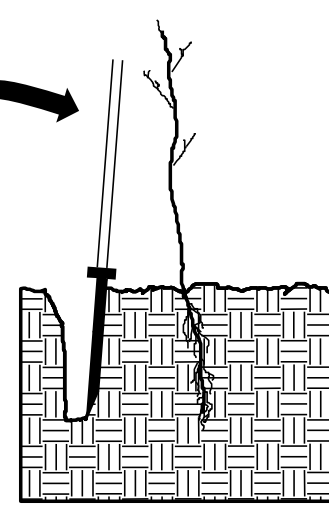
2. Remove planting bar and place seedling at correct depth.



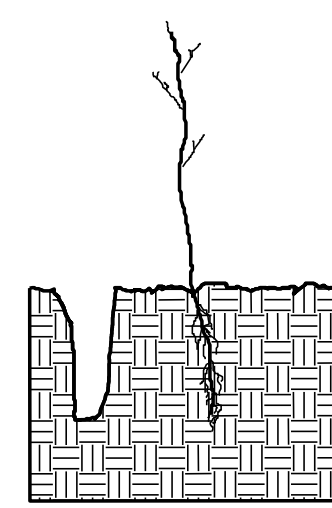
3. Insert planting bar 2 inches toward planter from seedling.



4. Pull handle of bar toward planter, firming soil at bottom.



5. Push handle forward firming soil at top.



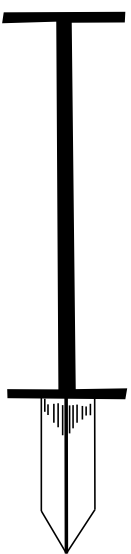
6. Leave compaction hole open. Water thoroughly.

PLANTING NOTES:

**PLANTING BAG**  
During planting, seedlings shall be kept in a moist canvas bag or similar container to prevent the root systems from drying.



**KBC PLANTING BAR**  
Planting bar shall have a blade with a triangular cross section, and shall be 12 inches long, 4 inches wide and 1 inch thick at center.



**ROOT PRUNING**  
All seedlings shall be root pruned, if necessary, so that no roots extend more than 10 inches below the root collar.

REFORESTATION

- ☐ TREE REFORESTATION SHALL BE PLANTED 6 FT. TO 10 FT. ON CENTER, RANDOM SPACING, AVERAGING 8 FT. ON CENTER, APPROXIMATELY 680 PLANTS PER ACRE.

REFORESTATION

MIXTURE, TYPE, SIZE, AND FURNISH SHALL CONFORM TO THE FOLLOWING:

|                             |                   |                  |
|-----------------------------|-------------------|------------------|
| 34% LIRIODENDRON TULIPIFERA | TULIP POPLAR      | 12 in - 18 in BR |
| 33% PLATANUS OCCIDENTALIS   | AMERICAN SYCAMORE | 12 in - 18 in BR |
| 33% BETULA NIGRA            | RIVER BIRCH       | 12 in - 18 in BR |