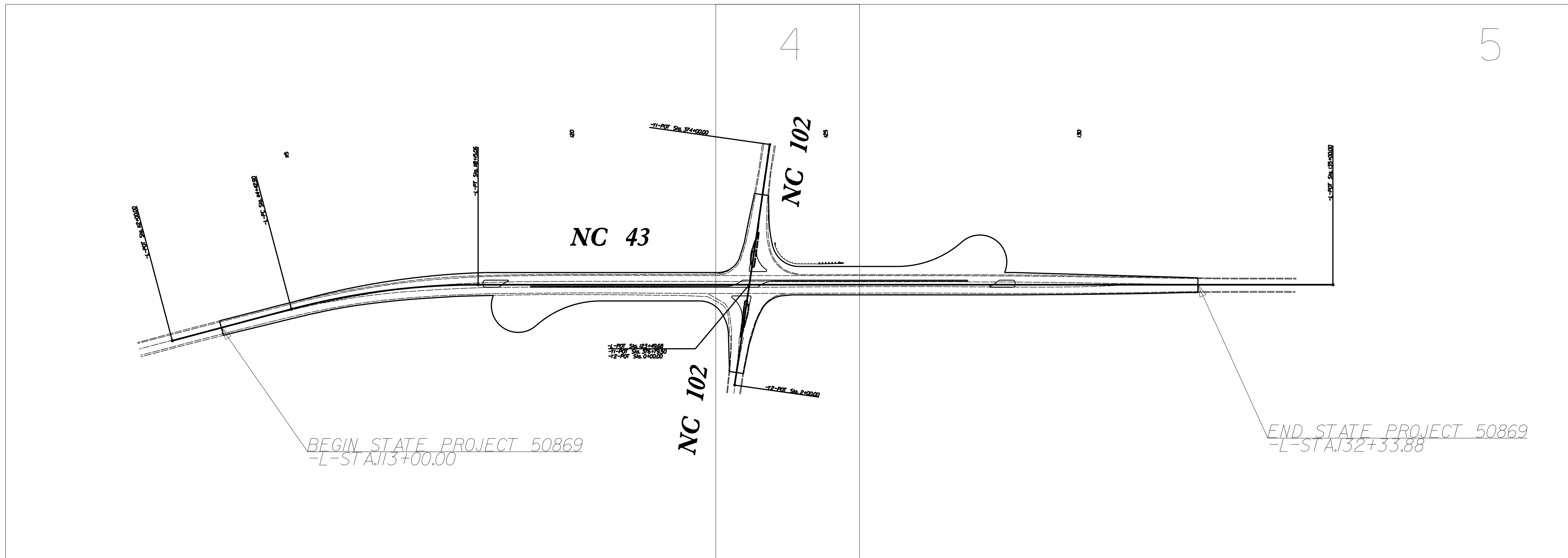
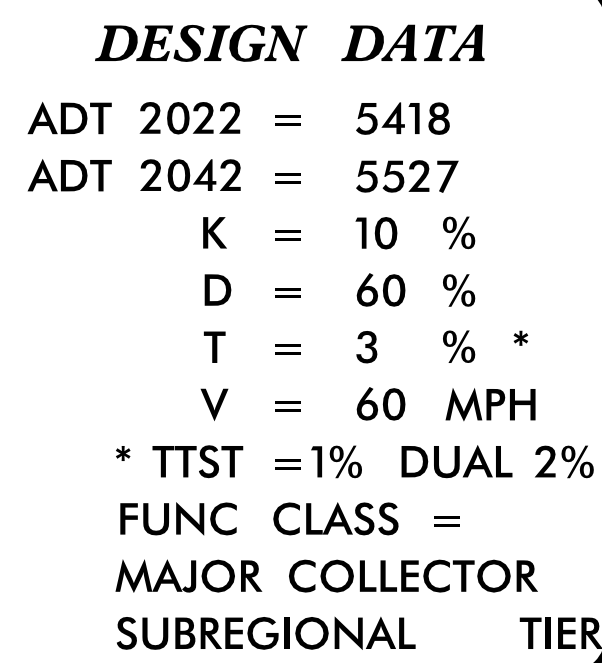


**CONTRACT: DB00607**



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



|                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                          |                                                                                                                                          |                                                                                                                       |                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Prepared in the Office of:<br><b><i>DIVISION OF HIGHWAYS</i></b><br>1037 WH SMITH BLVD., GREENVILLE, NC 27835            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                          |                                                                                                                                          |                                                                                                                       |                                                                                                                                         |
| 2024 STANDARD SPECIFICATIONS                                                                                             | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 10px; vertical-align: top;"> <b><i>RIGHT OF WAY DATE:</i></b><br/> <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <b>MAY 2024</b> </td> <td style="width: 50%; padding: 10px; vertical-align: top;"> <b><i>HEATHER C. LANE, PE</i></b><br/> <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <b><i>PROJECT ENGINEER</i></b> </td> </tr> <tr> <td style="padding: 10px; vertical-align: top;"> <b><i>LETTING DATE:</i></b><br/> <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <b>APRIL 2025</b> </td> <td style="padding: 10px; vertical-align: top;"> <b><i>RICH GODLEY</i></b><br/> <hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <b><i>PROJECT DESIGN ENGINEER</i></b> </td> </tr> </table> | <b><i>RIGHT OF WAY DATE:</i></b><br><hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <b>MAY 2024</b> | <b><i>HEATHER C. LANE, PE</i></b><br><hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <b><i>PROJECT ENGINEER</i></b> | <b><i>LETTING DATE:</i></b><br><hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <b>APRIL 2025</b> | <b><i>RICH GODLEY</i></b><br><hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <b><i>PROJECT DESIGN ENGINEER</i></b> |
| <b><i>RIGHT OF WAY DATE:</i></b><br><hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <b>MAY 2024</b> | <b><i>HEATHER C. LANE, PE</i></b><br><hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <b><i>PROJECT ENGINEER</i></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                          |                                                                                                                                          |                                                                                                                       |                                                                                                                                         |
| <b><i>LETTING DATE:</i></b><br><hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <b>APRIL 2025</b>    | <b><i>RICH GODLEY</i></b><br><hr style="border: 0; border-top: 1px solid black; margin: 5px 0;"/> <b><i>PROJECT DESIGN ENGINEER</i></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                          |                                                                                                                                          |                                                                                                                       |                                                                                                                                         |

**HYDRAULICS ENGINEER**

DocuSigned by:  
*Heather C. Lane*  
A1154F950427668

**SIGNATURE:**

**NORTH CAROLINA  
PROFESSIONAL  
SEAL  
042582  
ENGINEER  
HEATHER C. LANE  
09/24/2016**

**P.E.**

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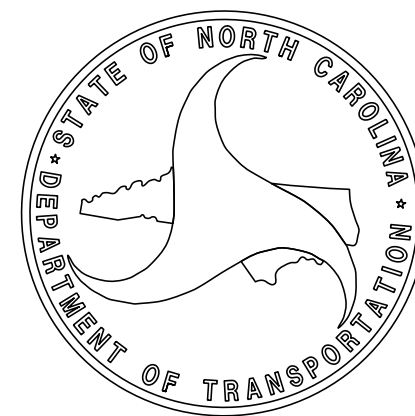
**ROADWAY DESIGN  
ENGINEER**

DocuSigned by:  
*Heather C. Lane*  
A1154F950427668

**SIGNATURE:**

**NORTH CAROLINA  
PROFESSIONAL  
SEAL  
042582  
ENGINEER  
HEATHER C. LANE  
09/24/2016**

**P.E.**



| SHEET NUMBER     | INDEX OF SHEETS<br>SHEET                              |
|------------------|-------------------------------------------------------|
| 1                | TITLE SHEET                                           |
| 1A               | INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS |
| 1B               | CONVENTIONAL SYMBOLS                                  |
| 2A               | PAVEMENT SCHEDULE AND TYPICAL SECTIONS                |
| 2B               | CONCRETE ISLAND LAYOUT DETAILS                        |
| 2C-1 THRU 2C-2   | SINUSOIDAL MILLED RUMBLE STRIP DETAILS                |
| 2H-1             | STOCKPILE CONTAINMENT DETAIL                          |
| 3A               | EARTHWORK AND DRAINAGE SUMMARIES                      |
| 3P               | PARCEL INDEX SHEET                                    |
| RW02 THRU RW05   | SURVEY CONTROL AND RIGHT OF WAY SHEETS                |
| 4 THRU 6         | PLAN AND PROFILE SHEET                                |
| TMP-1B           | TRANSPORTATION OPERATIONS STRATEGIES AND NOTES        |
| PMP-1 THRU PMP-2 | PAVEMENT MARKING PLANS                                |
| EC-1 THRU EC-5   | EROSION CONTROL PLANS                                 |
| UD-1 THRU UD-3   | UTILITIES BY OTHERS                                   |
| X-1A             | CROSS-SECTION SUMMARY SHEET                           |
| X-1 THRU X-9     | CROSS-SECTIONS                                        |

GENERAL NOTES:

2024 SPECIFICATIONS  
EFFECTIVE: 01-16-2024  
REVISED:

GRADE LINE:  
GRADING AND SURFACING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AND ENDING AND AT STRUCTURES AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

CLEARING:

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD 11.

SUPERELEVATION:

ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.04 USING THE RATE OF SUPERELEVATION AND RUNOFF SHOWN ON THE PLANS. SUPERELEVATION IS TO BE REVOLVED ABOUT THE GRADE POINTS SHOWN ON THE TYPICAL SECTIONS.

SHOULDER CONSTRUCTION:

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

SIDE ROADS:

THE CONTRACTOR WILL BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE SUITABLE CONNECTIONS WITH ALL ROADS, STREETS, AND DRIVES ENTERING THIS PROJECT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PARTICULAR ITEMS INVOLVED.

SUBSURFACE PLANS:

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE :

BRIGHTSPEED  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
EASTERN PINES WATER CORPORATION  
GREENVILLE UTILITIES COMMISSION  
SEGRA  
MCNC  
SPECTRUM

RIGHT-OF-WAY MARKERS:

ALL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY OTHERS.

2024 ROADWAY ENGLISH STANDARD DRAWINGS

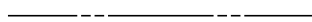
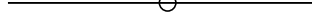
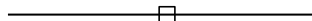
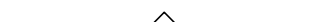
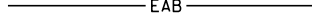
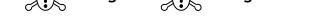
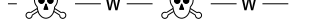
EFF. 01-16-2024  
REV.

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - 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:

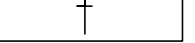
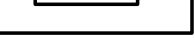
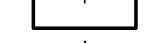
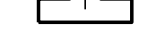
| STD.NO.                                    | TITLE                                                                         |
|--------------------------------------------|-------------------------------------------------------------------------------|
| DIVISION 2 - EARTHWORK                     |                                                                               |
| 200.02                                     | Method of Clearing - Method 11                                                |
| 225.02                                     | Guide for Grading Subgrade - Secondary and Local                              |
| 225.04                                     | Method of Obtaining Superelevation - Two Lane Pavement                        |
| 225.06                                     | Method of Grading Sight Distance at Intersections                             |
| DIVISION 3 - PIPE CULVERTS                 |                                                                               |
| 300.01                                     | Method of Pipe Installation                                                   |
| 310.10                                     | Driveway Pipe Construction                                                    |
| DIVISION 5 - SUBGRADE, BASES AND SHOULDERS |                                                                               |
| 560.01                                     | Method of Shoulder Construction - High Side of Superelevated Curve - Method 1 |
| DIVISION 8 - INCIDENTALS                   |                                                                               |
| 840.72                                     | Pipe Collar                                                                   |
| 852.01                                     | Concrete Islands                                                              |

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

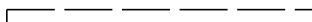
BOUNDARIES AND PROPERTY:

|                                       |                                                                                   |
|---------------------------------------|-----------------------------------------------------------------------------------|
| State Line                            |  |
| County Line                           |  |
| Township Line                         |  |
| City Line                             |  |
| Reservation Line                      |  |
| Property Line                         |  |
| Existing Iron Pin                     |  |
| Computed Property Corner              |  |
| Property Monument                     |  |
| 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 |  |

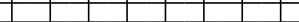
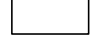
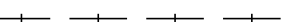
BUILDINGS AND OTHER CULTURE:

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

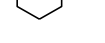
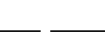
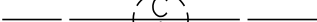
HYDROLOGY:

|                                    |                                                                                     |
|------------------------------------|-------------------------------------------------------------------------------------|
| 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:

|                                                          |                                                                                       |
|----------------------------------------------------------|---------------------------------------------------------------------------------------|
| Secondary Horiz and Vert Control Point                   |    |
| Primary Horiz Control Point                              |    |
| Primary Horiz and Vert Control Point                     |    |
| Exist Permanent Easment Pin and Cap                      |    |
| New Permanent Easement Pin and Cap                       |    |
| Vertical Benchmark                                       |    |
| Existing Right of Way Marker                             |    |
| Existing Right of Way Line                               |    |
| New Right of Way Line                                    |    |
| New Right of Way Line with Pin and Cap                   |    |
| New Right of Way Line with Concrete or Granite RW Marker |    |
| New Control of Access Line with Concrete C/A Marker      |    |
| Existing Control of Access                               |    |
| New Control of Access                                    |    |
| Existing Easement Line                                   |    |
| New Temporary Construction Easement                      |  |
| New Temporary Drainage Easement                          |  |
| New Permanent Drainage Easement                          |  |
| New Permanent Drainage / Utility Easement                |  |
| New Permanent Utility Easement                           |  |
| New Temporary Utility Easement                           |  |
| New Aerial Utility Easement                              |  |

ROADS AND RELATED FEATURES:

|                            |                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------|
| Existing Edge of Pavement  |  |
| Existing Curb              |  |
| Proposed Slope Stakes Cut  |  |
| Proposed Slope Stakes Fill |  |
| Proposed Curb Ramp         |  |
| Existing Metal Guardrail   |  |
| Proposed Guardrail         |  |
| Existing Cable Guiderail   |  |
| Proposed Cable Guiderail   |  |
| Equality Symbol            |  |
| Pavement Removal           |  |

VEGETATION:

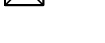
|              |                                                                                       |
|--------------|---------------------------------------------------------------------------------------|
| Single Tree  |  |
| Single Shrub |  |

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

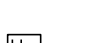
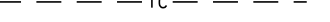
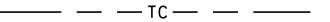
EXISTING STRUCTURES:

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

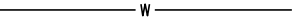
UTILITIES:

|                                |                                                                                       |
|--------------------------------|---------------------------------------------------------------------------------------|
| 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 LOS B (S.U.E.*) |  |
| U/G Power Line LOS C (S.U.E.*) |  |
| U/G Power Line LOS D (S.U.E.*) |  |

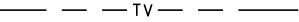
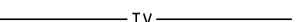
TELEPHONE:

|                                        |                                                                                       |
|----------------------------------------|---------------------------------------------------------------------------------------|
| Existing Telephone Pole                |  |
| Proposed Telephone Pole                |  |
| Telephone Manhole                      |  |
| Telephone Pedestal                     |  |
| Telephone Cell Tower                   |  |
| U/G Telephone Cable Hand Hole          |  |
| U/G Telephone Cable LOS B (S.U.E.*)    |  |
| U/G Telephone Cable LOS C (S.U.E.*)    |  |
| U/G Telephone Cable LOS D (S.U.E.*)    |  |
| U/G Telephone Conduit LOS B (S.U.E.*)  |  |
| U/G Telephone Conduit LOS C (S.U.E.*)  |  |
| U/G Telephone Conduit LOS D (S.U.E.*)  |  |
| U/G Fiber Optics Cable LOS B (S.U.E.*) |  |
| U/G Fiber Optics Cable LOS C (S.U.E.*) |  |
| U/G Fiber Optics Cable LOS D (S.U.E.*) |  |

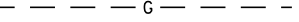
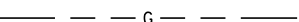
WATER:

|                                |                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------|
| Water Manhole                  |  |
| Water Meter                    |  |
| Water Valve                    |  |
| Water Hydrant                  |  |
| U/G Water Line LOS B (S.U.E.*) |  |
| U/G Water Line LOS C (S.U.E.*) |  |
| U/G Water Line LOS D (S.U.E.*) |  |
| Above Ground Water Line        |  |

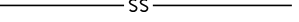
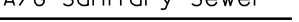
TV:

|                                       |                                                                                     |
|---------------------------------------|-------------------------------------------------------------------------------------|
| TV Pedestal                           |  |
| TV Tower                              |  |
| U/G TV Cable Hand Hole                |  |
| U/G TV Cable LOS B (S.U.E.*)          |  |
| U/G TV Cable LOS C (S.U.E.*)          |  |
| U/G TV Cable LOS D (S.U.E.*)          |  |
| U/G Fiber Optic Cable LOS B (S.U.E.*) |  |
| U/G Fiber Optic Cable LOS C (S.U.E.*) |  |
| U/G Fiber Optic Cable LOS D (S.U.E.*) |  |

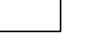
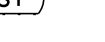
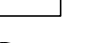
GAS:

|                              |                                                                                       |
|------------------------------|---------------------------------------------------------------------------------------|
| Gas Valve                    |    |
| Gas Meter                    |    |
| U/G Gas Line LOS B (S.U.E.*) |   |
| U/G Gas Line LOS C (S.U.E.*) |  |
| U/G Gas Line LOS D (S.U.E.*) |  |
| Above Ground Gas Line        |  |

SANITARY SEWER:

|                                     |                                                                                       |
|-------------------------------------|---------------------------------------------------------------------------------------|
| Sanitary Sewer Manhole              |  |
| Sanitary Sewer Cleanout             |  |
| U/G Sanitary Sewer Line             |  |
| Above Ground Sanitary Sewer         |  |
| SS Forced Main Line LOS B (S.U.E.*) |  |
| SS Forced Main Line LOS C (S.U.E.*) |  |
| SS Forced Main Line LOS D (S.U.E.*) |  |

MISCELLANEOUS:

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

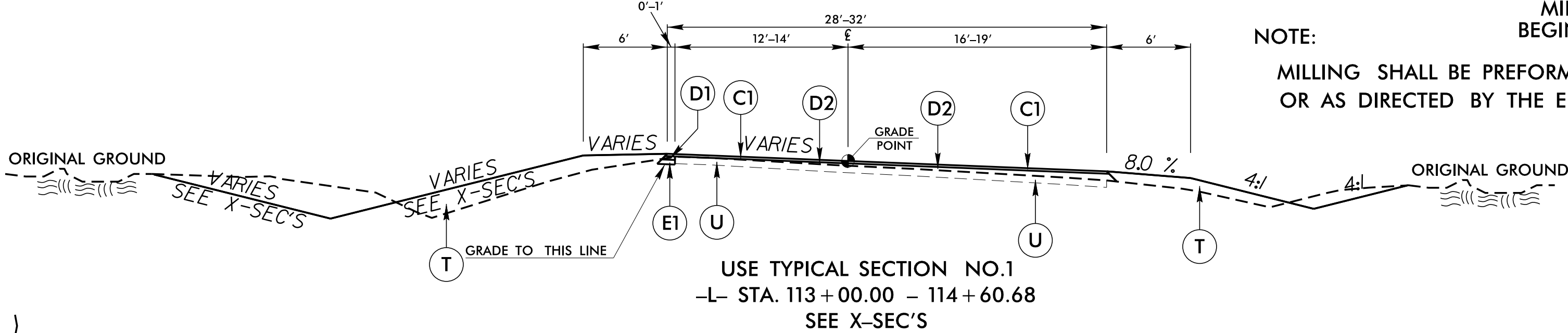
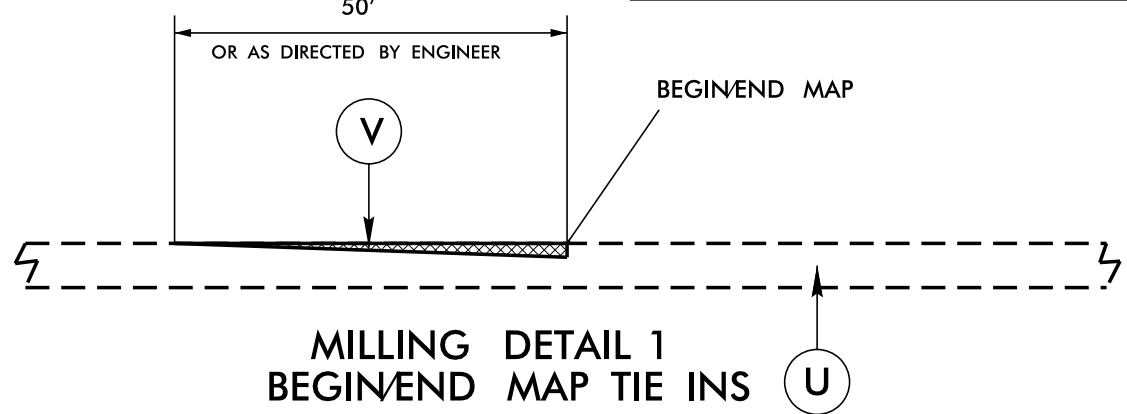
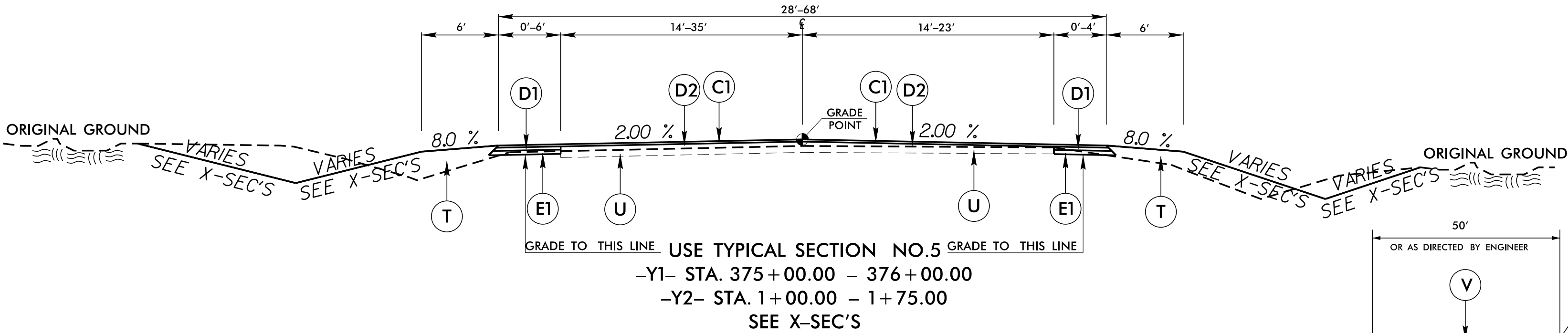
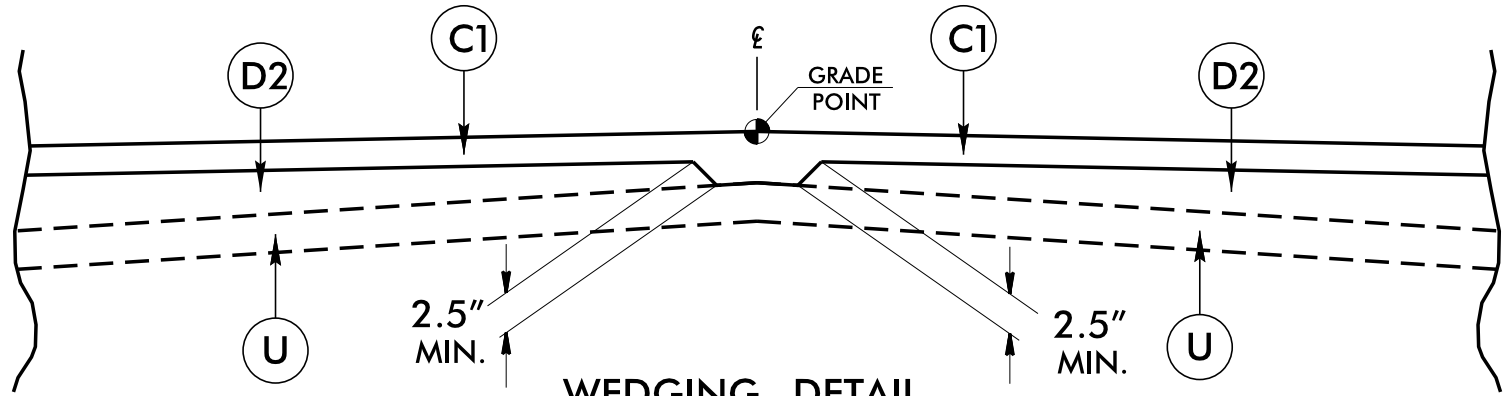
8/17/99

REVISIONS

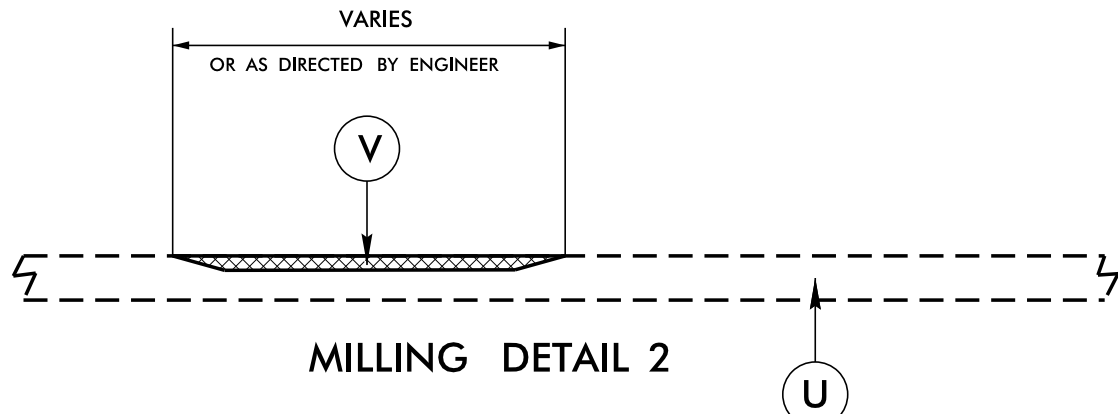
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\$ASUS\$  
\$USER\$

|    |                                                                                                                                                                                                             |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C1 | PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.                                                                                                    |
| D1 | PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 342 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 2½" IN DEPTH OR GREATER THAN 4" IN DEPTH. |
| E1 | PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.                                                                                                      |
| T  | EARTH MATERIAL.                                                                                                                                                                                             |
| U  | EXISTING PAVEMENT.                                                                                                                                                                                          |
| V  | PROP. MILLING 0" TO 2"                                                                                                                                                                                      |

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

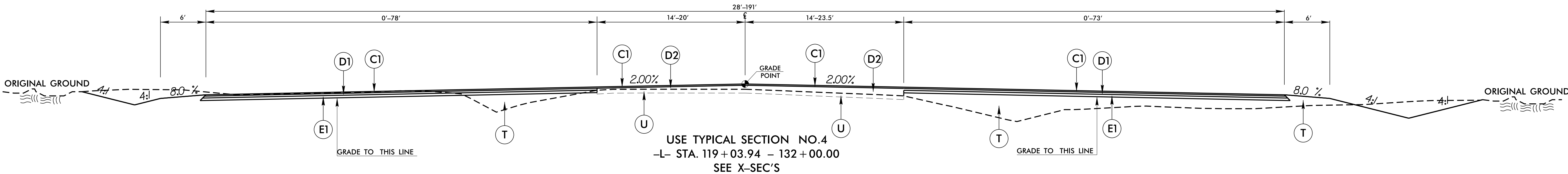
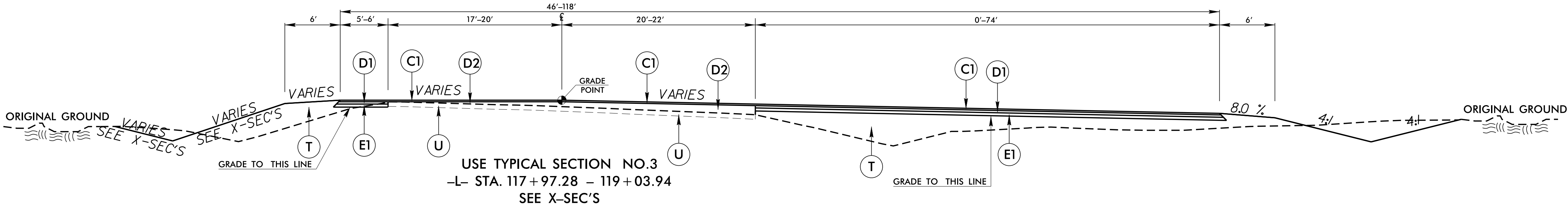
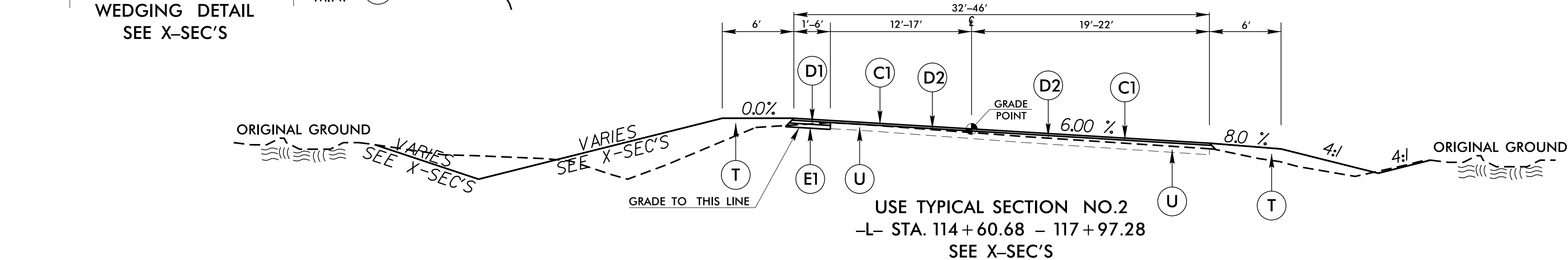


NOTE:  
MILLING SHALL BE PREFORMED AT MAIN LINE TIE INS AND Y-LINE TIE INS  
OR AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL



NOTE:  
MILLING SHALL BE PREFORMED TO ALLOW FOR A  
2" FINAL SURFACE OVERLAY TO AVOID GRADE POINT ADJUSTMENTS  
OR AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL

-L-STA. 115 + 50.00 - 116 + 50.00 LT  
-L-STA. 118 + 50.00 - 120 + 00.00 LT  
-L-STA. 121 + 50.00 - 123 + 00.00 LT  
-L-STA. 122 + 00.00 - 123 + 00.00 RT  
-L-STA. 126 + 00.00 - 127 + 50.00 RT  
-L-STA. 129 + 50.00 - 130 + 50.00 LT  
SEE X-SEC'S



\*DRAWING NOT TO SCALE\*





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

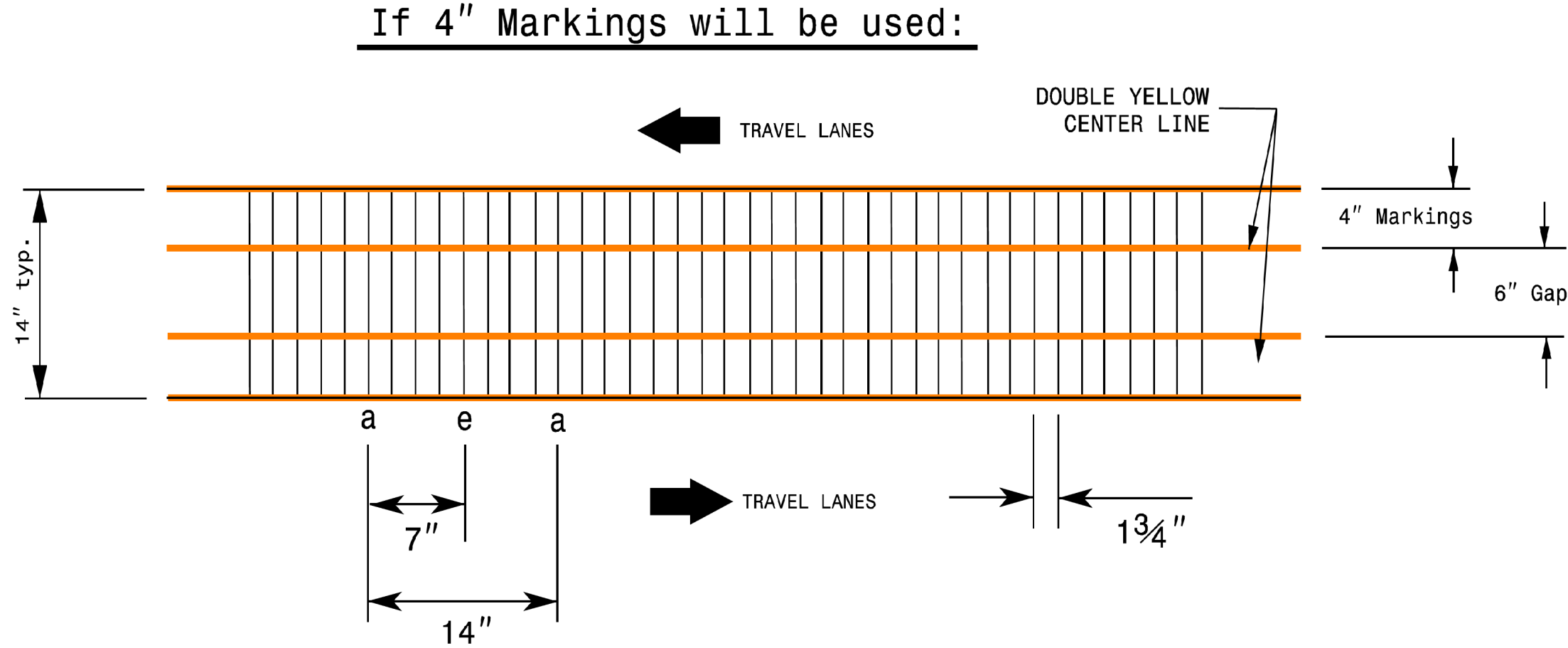
2-23

ENGLISH DETAIL DRAWING FOR  
**RUMBLE STRIPS / STRIPES**  
SINUSOIDAL CENTERLINE RUMBLE STRIPE

SHEET 6 OF 7

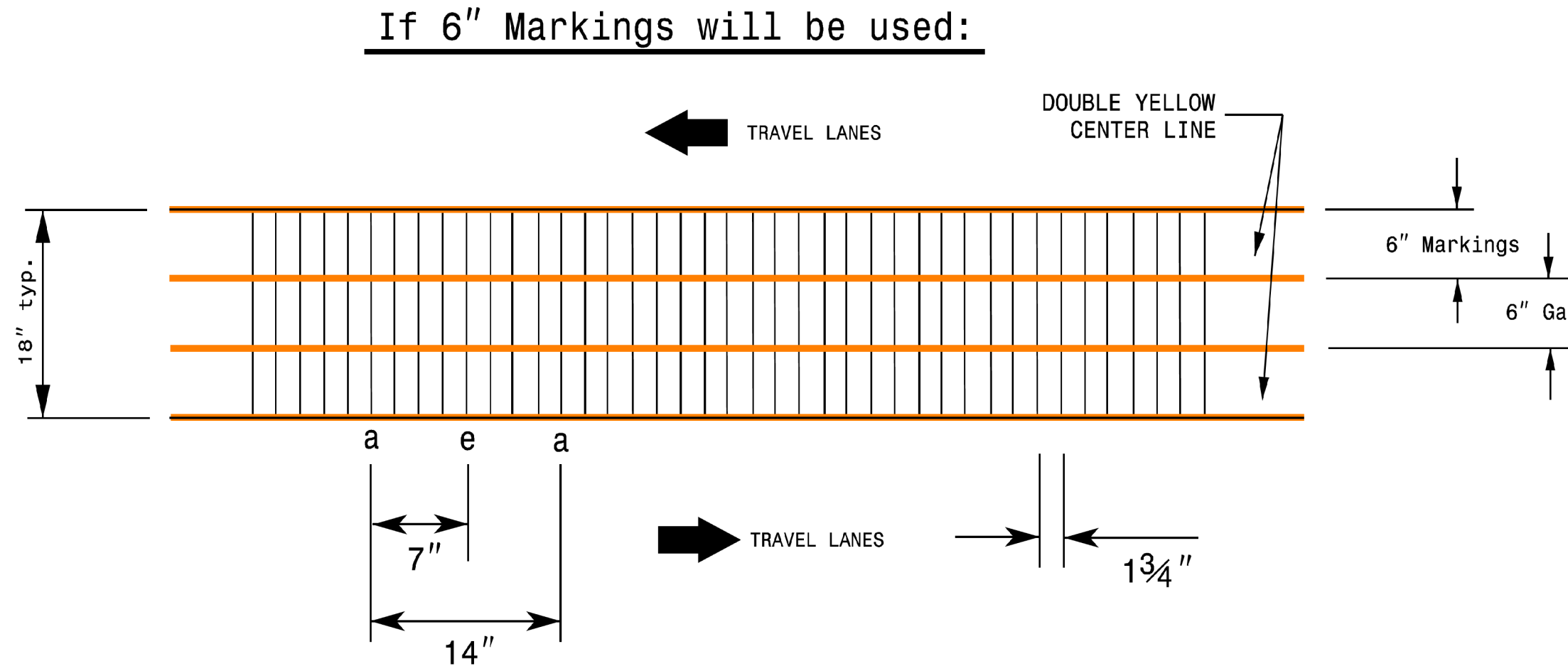
See Table 2 within Rumble Strip  
Policy for Design Guidance

Rumble Dimensions



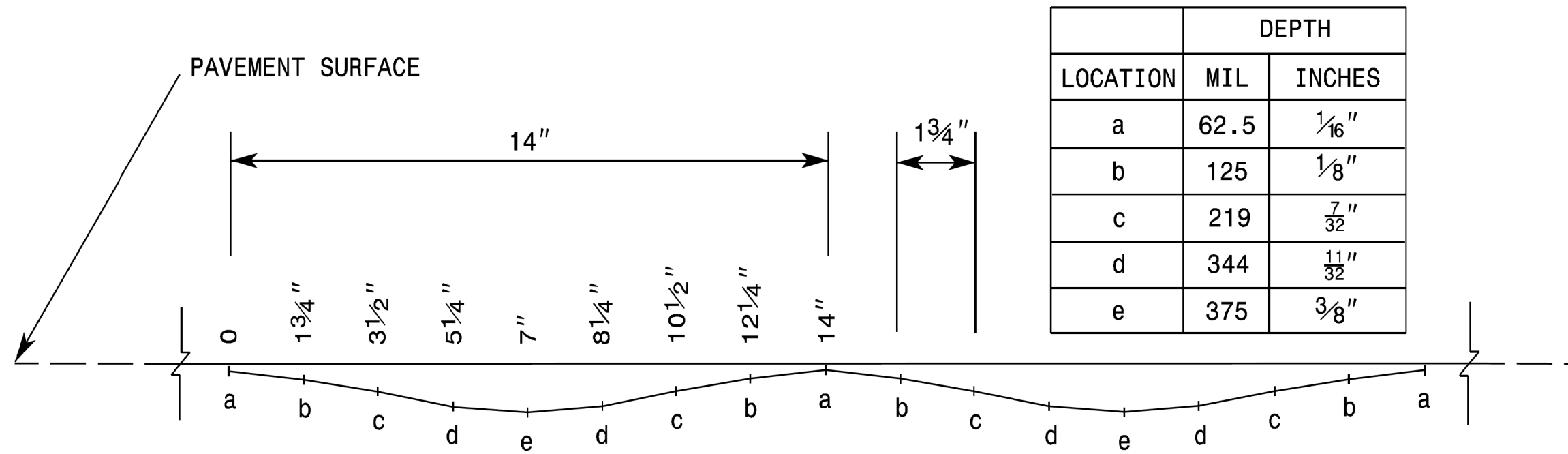
Markings Dimensions

Rumble Dimensions



Markings Dimensions

PROFILE:



| LOCATION | DEPTH |        |
|----------|-------|--------|
|          | MIL   | INCHES |
| a        | 62.5  | 1/16"  |
| b        | 125   | 1/8"   |
| c        | 219   | 7/32"  |
| d        | 344   | 11/32" |
| e        | 375   | 3/8"   |

REFERENCE DRAWING ID: Sin.CL

NOTES:

- 1) Specification in table taken from MNDOT Research Project Final Report 2016-23: *Sinusoidal Rumble Strip Design Optimization Study By Terhaar et. al, June 2016*
- 2) USING A VACUUM, REMOVE ALL DEBRIS FROM THE MILLINGS JUST PRIOR TO PLACING ANY PAVEMENT MARKINGS.
- 3) ENSURE GLASS BEADS ARE SPREAD UNIFORMLY OVER THE ENTIRE SURFACE OF THE PAVEMENT MARKING MATERIAL.

SHEET 6 OF 7

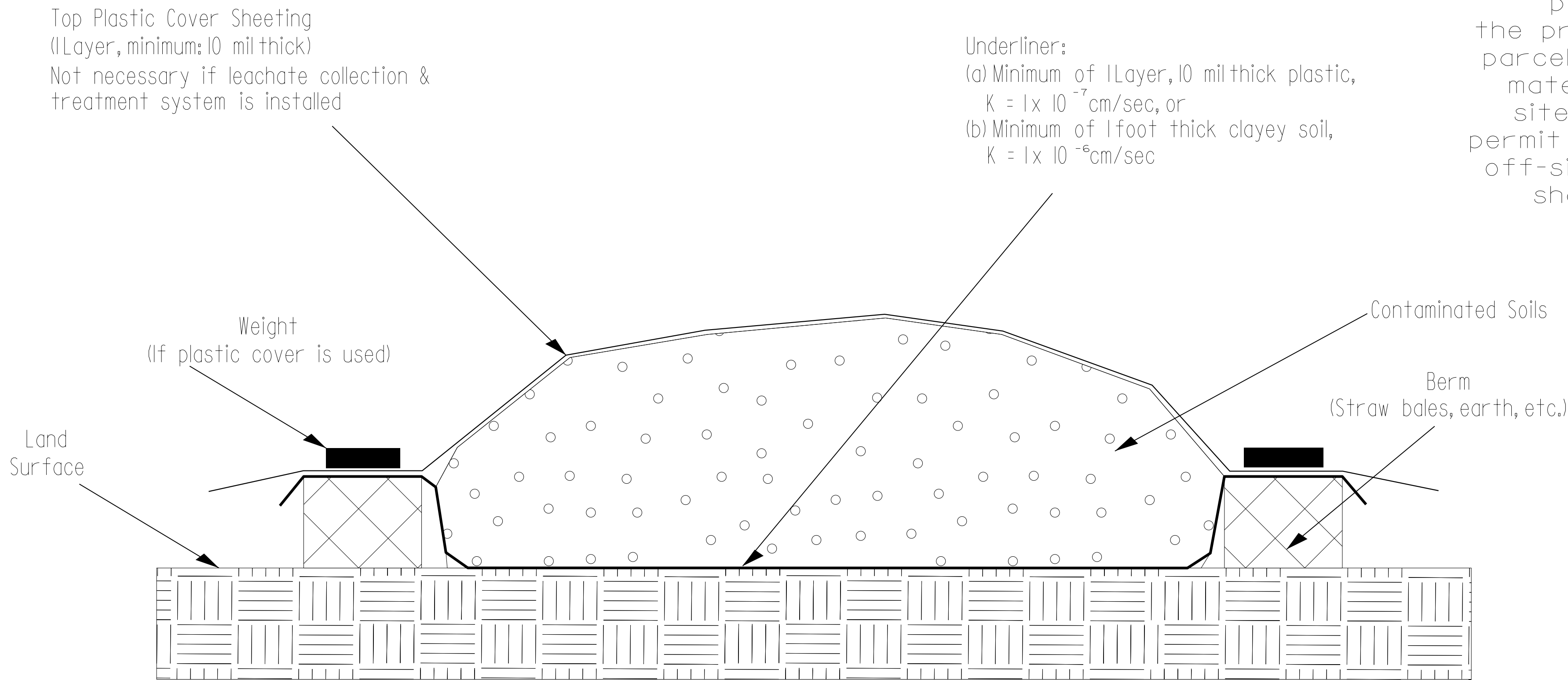
STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

2-23

ENGLISH DETAIL DRAWING FOR  
**RUMBLE STRIPS / STRIPES**  
SINUSOIDAL CENTERLINE RUMBLE STRIPE

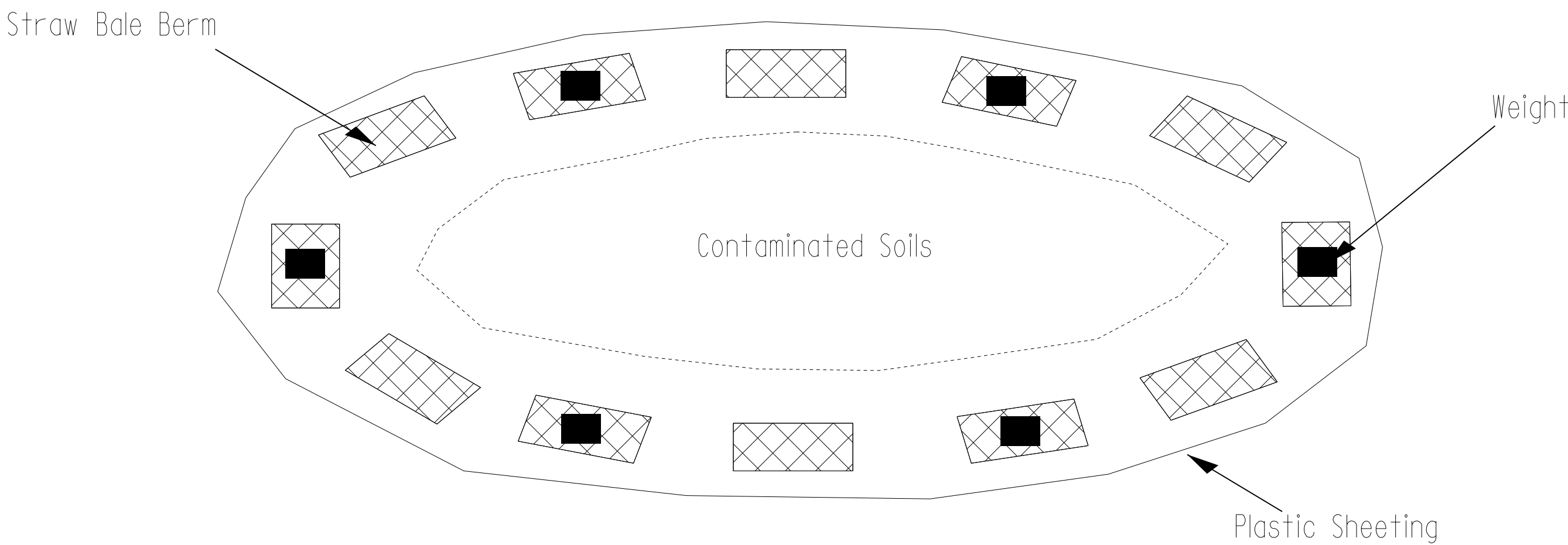
Detail for Temporary Containment of Contaminated Soil

Cross-Section View



NOTE:  
The Contractor shall stockpile all contaminated soil excavated from a property in a location within the property boundaries of the source parcel. If the volume of contaminated material exceeds available space on site, the Contractor shall obtain a permit from the NCDEQ UST Section for off-site temporary storage. Stockpile shall be removed within 45 days.

Map View



GEOTECHNICAL ENGINEERING UNIT

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

RALEIGH

☐ EASTERN REGIONAL OFFICE

☐ WESTERN REGIONAL OFFICE

☒ CONTRACT OFFICE

STOCKPILE CONTAINMENT DETAIL

REVISIONS

| NO. | BY | DATE | NO. | BY | DATE |
|-----|----|------|-----|----|------|
| 1   |    |      | 3   |    |      |
| 2   |    |      | 4   |    |      |

|              |       |
|--------------|-------|
| PREPARED BY: | DATE: |
| REVIEWED BY: | DATE: |

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

## 6/21/00

6/21/00

## 6/21/00

6/21/006/21/00

## 6/21/00

6/21/00

6/21/00

6/21/00

6/21/00

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

PARCEL INDEX SHEET

| PARCEL NUMBER | SHEET NUMBER | PROPERTY OWNER NAMES         |
|---------------|--------------|------------------------------|
| 1             | RW04         | BURCHARD LIVING TRUST        |
| 2             | RW04 & RW05  | DEWEY GASKINS PROPERTIES LLC |
| 3             | RW05         | CALICO FARMS INC             |
| 4             | RW05         | STOCKS, EDWARDS DEAN         |

# ***SURVEY CONTROL SHEET***

***W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION***

***-BASELINE-***

| BL  | POINT | DESC.  | NORTH       | EAST         | ELEVATION | BL STATION | OFFSET |
|-----|-------|--------|-------------|--------------|-----------|------------|--------|
| BL1 |       | -BL -1 | 611230.1590 | 2519834.4630 | 38.38     | 5+00.00    | 0.00   |
| BL2 |       | -BL -2 | 611785.1190 | 2519463.9950 | 39.72     | 11+67.25   | 0.00   |
| BL3 |       | -BL -3 | 612396.1330 | 2518977.9140 | 39.56     | 19+48.03   | 0.00   |

***-ALIGNMENTS- NCDOT PROJECT REFERENCES: 1843;1844 AND 1883***

| L     |            |             |                 |         |                 |             |        |        |         |
|-------|------------|-------------|-----------------|---------|-----------------|-------------|--------|--------|---------|
| POINT | N          | E           | BEARING         | DIST    | DELTA           | D           | L      | T      | R       |
| POT   | 610854.410 | 2520189.530 |                 |         |                 |             |        |        |         |
| LINE  |            |             | N 49°17'15.1" W | 242.90  |                 |             |        |        |         |
| PC    | 611012.845 | 2520005.414 |                 |         |                 |             |        |        |         |
| CURVE |            |             | N 41°50'45.1" W | 371.12  | 14°53'00.0"(RT) | 03°59'56.9" | 372.16 | 187.13 | 1432.70 |
| PT    | 611289.306 | 2519757.830 |                 |         |                 |             |        |        |         |
| LINE  |            |             | N 34°24'15.1" W | 1684.94 |                 |             |        |        |         |
| POT   | 612679.499 | 2518805.796 |                 |         |                 |             |        |        |         |

| Y1    |            |             |                 |        |
|-------|------------|-------------|-----------------|--------|
| POINT | N          | E           | BEARING         | DIST   |
| POT   | 611607.583 | 2519204.689 |                 |        |
| LINE  |            |             | N 63°55'59.4" E | 279.50 |
| POT   | 611730.400 | 2519455.759 |                 |        |

| Y2    |            |             |                 |        |
|-------|------------|-------------|-----------------|--------|
| POINT | N          | E           | BEARING         | DIST   |
| POT   | 611730.400 | 2519455.759 |                 |        |
| LINE  |            |             | N 63°55'59.4" E | 200.00 |
| POT   | 611818.284 | 2519635.416 |                 |        |

## DATUM DESCRIPTION

THIS PROJECT HAS BEEN ESTABLISHED BY NCDOT  
WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES  
MONUMENT "-BL-2"  
NORTHING: 611785.1190(ft) EASTING: 2519463.9950(ft)  
ELEVATION: 39.7150(ft)  
GRID HORIZONTAL DISTANCE FROM  
"-BL-2" TO -L- STATION 112+00.00 IS  
S 37° 56' 18" E 1,180.09'  
VERTICAL DATUM USED IS NAVD 88

NOTES:

I. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

## REVISIONS

|                                                                                                                             |         |
|-----------------------------------------------------------------------------------------------------------------------------|---------|
| 7-FEB-2025 16:48<br>G:\PROJECTS\PTT\NC43-NC102-Calico (50869)\NC43-NC102-psb-rw02c.dgn<br>\$\$\$\$\$ (USER NAME) \$\$\$\$\$ | 8/17/99 |
|-----------------------------------------------------------------------------------------------------------------------------|---------|

8/17/99

REVISIONS

17-FEB-2025 6:48 PM T:\NC43-NC102-Calico (50869)\NF43-NC102.psh rw03e.dgn  
\$\$\$\$\$USERNAME\$\$\$\$\$

RIGHT OF WAY CONTROL SHEET

I, Casey Kenneth Whitley, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

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

Witness my original signature, registration number and seal this 17th day of February, 2025.

-----  
Professional Land Surveyor

L-5303  
PLS #

Seal

ROW MARKER IRON PIN AND CAP-E

| ALIGN | STATION   | OFFSET  | NORTH       | EAST         |
|-------|-----------|---------|-------------|--------------|
| L     | 118+00.00 | 50.00   | 611305.6066 | 2519807.3608 |
| L     | 118+50.00 | 100.00  | 611374.6344 | 2519820.5971 |
| L     | 119+00.00 | 120.00  | 611427.1886 | 2519808.8472 |
| L     | 120+50.00 | 65.00   | 611519.8729 | 2519678.7141 |
| L     | 122+27.74 | 65.00   | 611666.5233 | 2519578.2847 |
| L     | 124+93.51 | -65.00  | 611812.3449 | 2519320.8609 |
| L     | 126+50.00 | -65.00  | 611941.4626 | 2519232.4383 |
| L     | 128+00.00 | -120.00 | 612034.1469 | 2519102.3052 |
| L     | 128+50.00 | -105.00 | 612083.8759 | 2519086.4299 |
| L     | 128+77.08 | -50.00  | 612137.2987 | 2519116.5056 |

ROW MARKER IRON PIN AND CAP-E

| ALIGN | STATION   | OFFSET | NORTH       | EAST         |
|-------|-----------|--------|-------------|--------------|
| Y1    | 375+22.71 | -50.00 | 611706.4164 | 2519292.9436 |

ROW MARKER PERMANENT EASEMENT-E

| ALIGN | STATION   | OFFSET | NORTH       | EAST         |
|-------|-----------|--------|-------------|--------------|
| L     | 124+80.55 | -80.00 | 611793.1749 | 2519315.8087 |
| L     | 126+58.00 | -67.93 | 611946.4057 | 2519225.4978 |
| L     | 126+58.00 | -80.00 | 611939.5877 | 2519215.5420 |
| L     | 128+88.18 | 65.00  | 612211.4292 | 2519205.1212 |
| L     | 128+89.47 | 50.00  | 612204.0220 | 2519192.0136 |
| L     | 128+89.51 | -65.00 | 612139.0746 | 2519097.1093 |
| L     | 128+89.51 | -50.00 | 612147.5500 | 2519109.4853 |
| L     | 129+08.25 | 65.00  | 612227.9920 | 2519193.7786 |
| L     | 129+09.51 | -50.00 | 612164.0514 | 2519098.1848 |
| L     | 129+09.51 | -65.00 | 612155.5760 | 2519085.8087 |
| L     | 129+09.55 | 50.00  | 612220.5848 | 2519180.6710 |

NOT SET

PROJECT REFERENCE NO.  
50869

SHEET NO.  
RW03E

PROJECT PROFESSIONAL LAND SURVEYOR



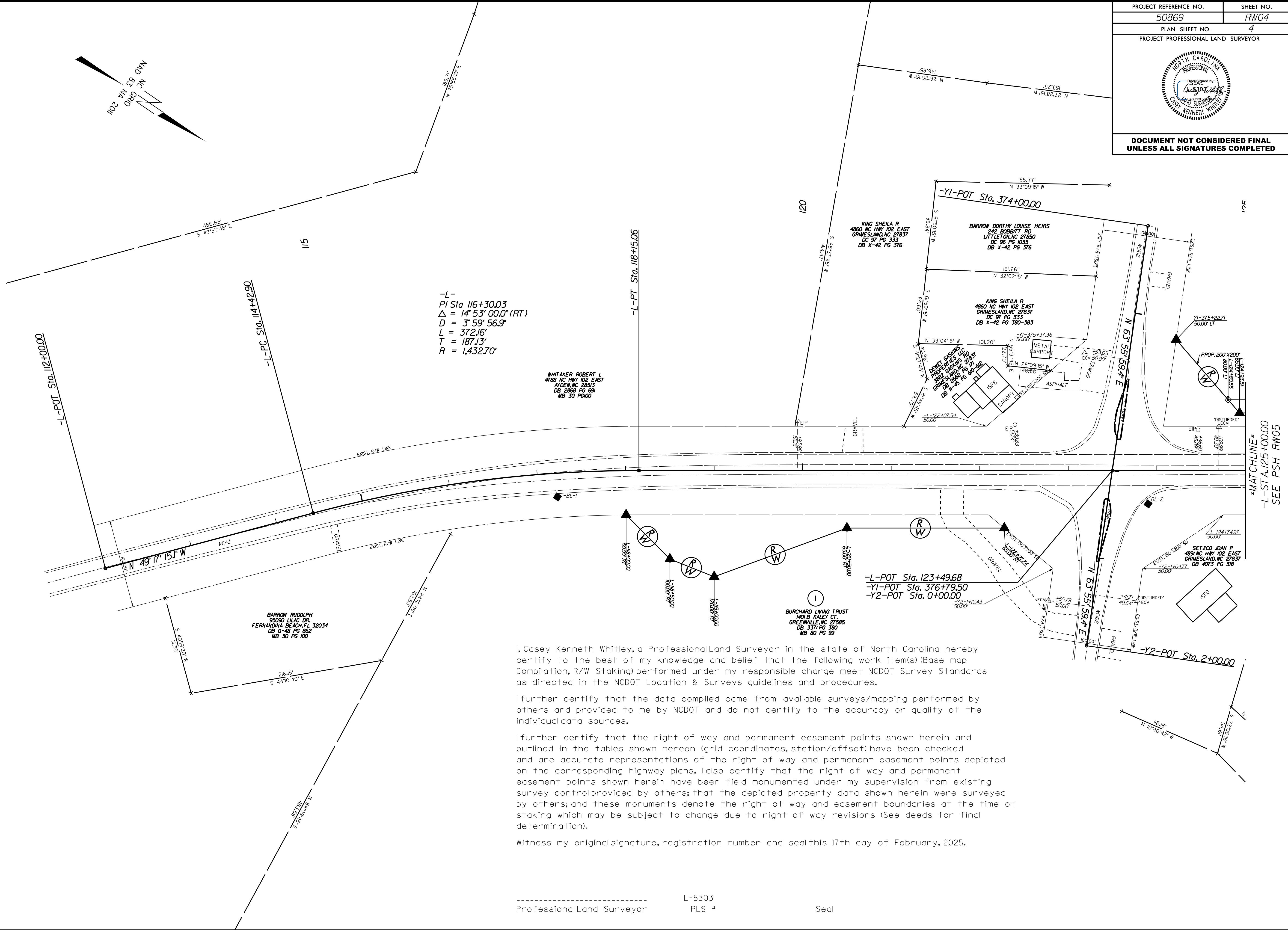
DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

NOTES:  
1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

## REVISIONS

8/17/99

17-FEB-2025 16:49  
G:\PROJECTS\PLT\NC43-NC102-Calico (50869)\NC43-NC102-psb\_rw04.dgn  
\$\$\$\$\$USERNAME\$\$\$\$\$



I, Casey Kenneth Whitley, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further 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.

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

Witness my original signature, registration number and seal this 17th day of February, 2025.

Professional Land Surveyor

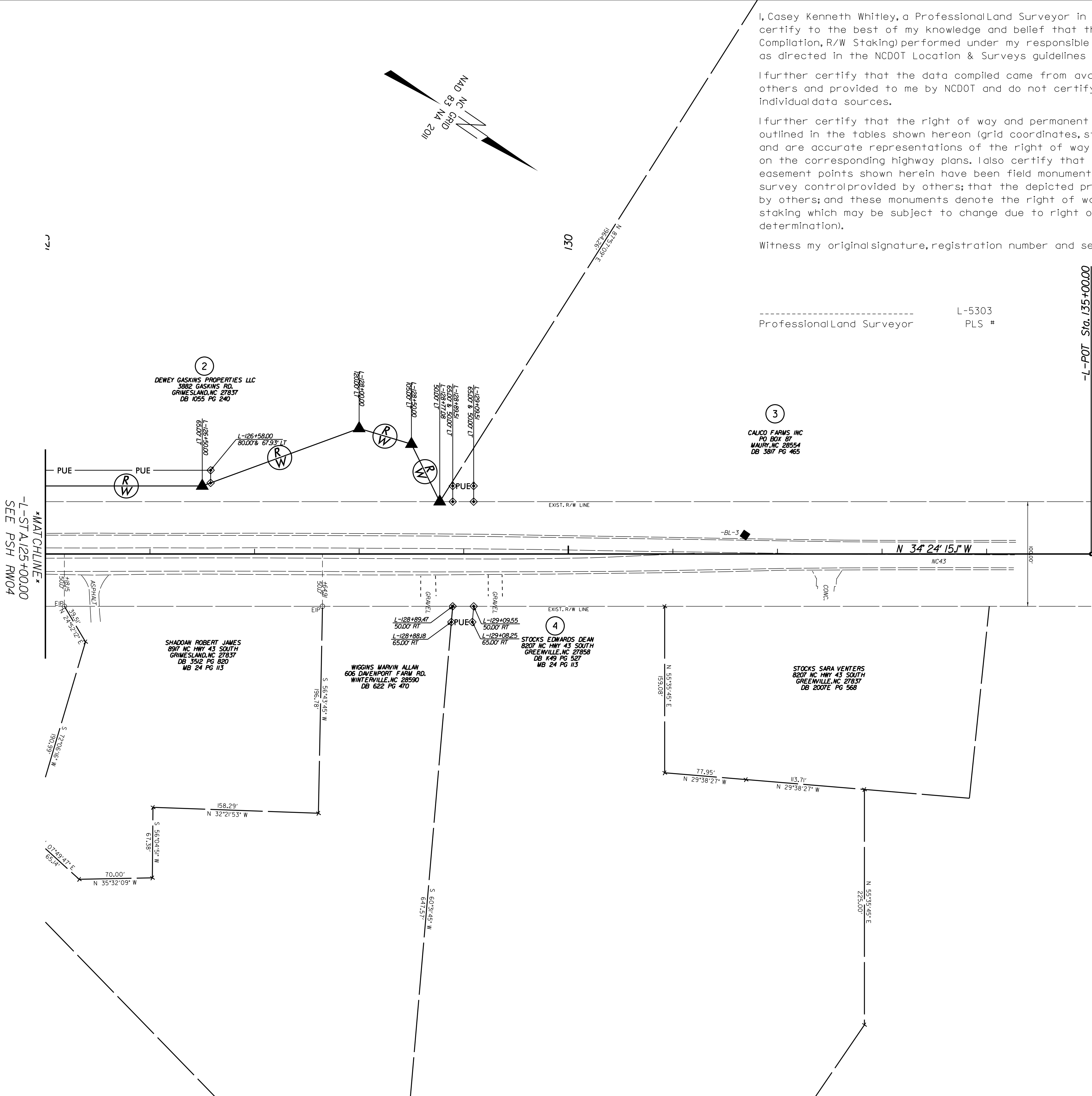
L-5303  
PLS #

Seal

REVISIONS

8/17/99

17-FEB-2025 6:49  
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S:\\$SUB\PROJECTS\50869\NC43\_NC102\_Calico (50869)\N\143\_NC102\_psh\_rw05.dgn



I, Casey Kenneth Whitley, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item(s) (Base map Compilation, R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

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Witness my original signature, registration number and seal this 17th day of February, 2025.

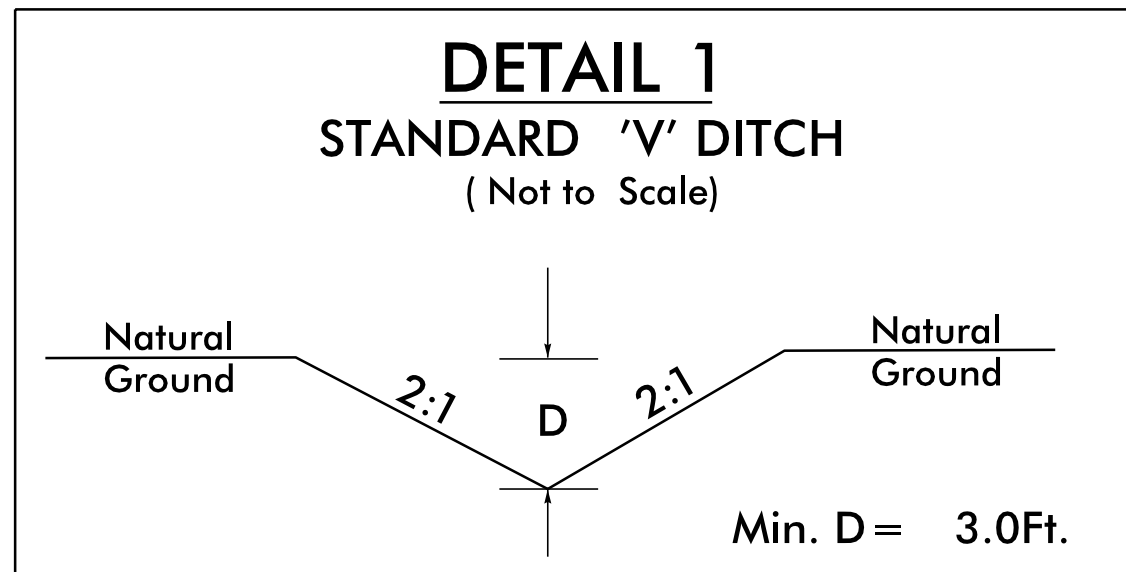
Professional Land Surveyor

L-5303  
PLS #

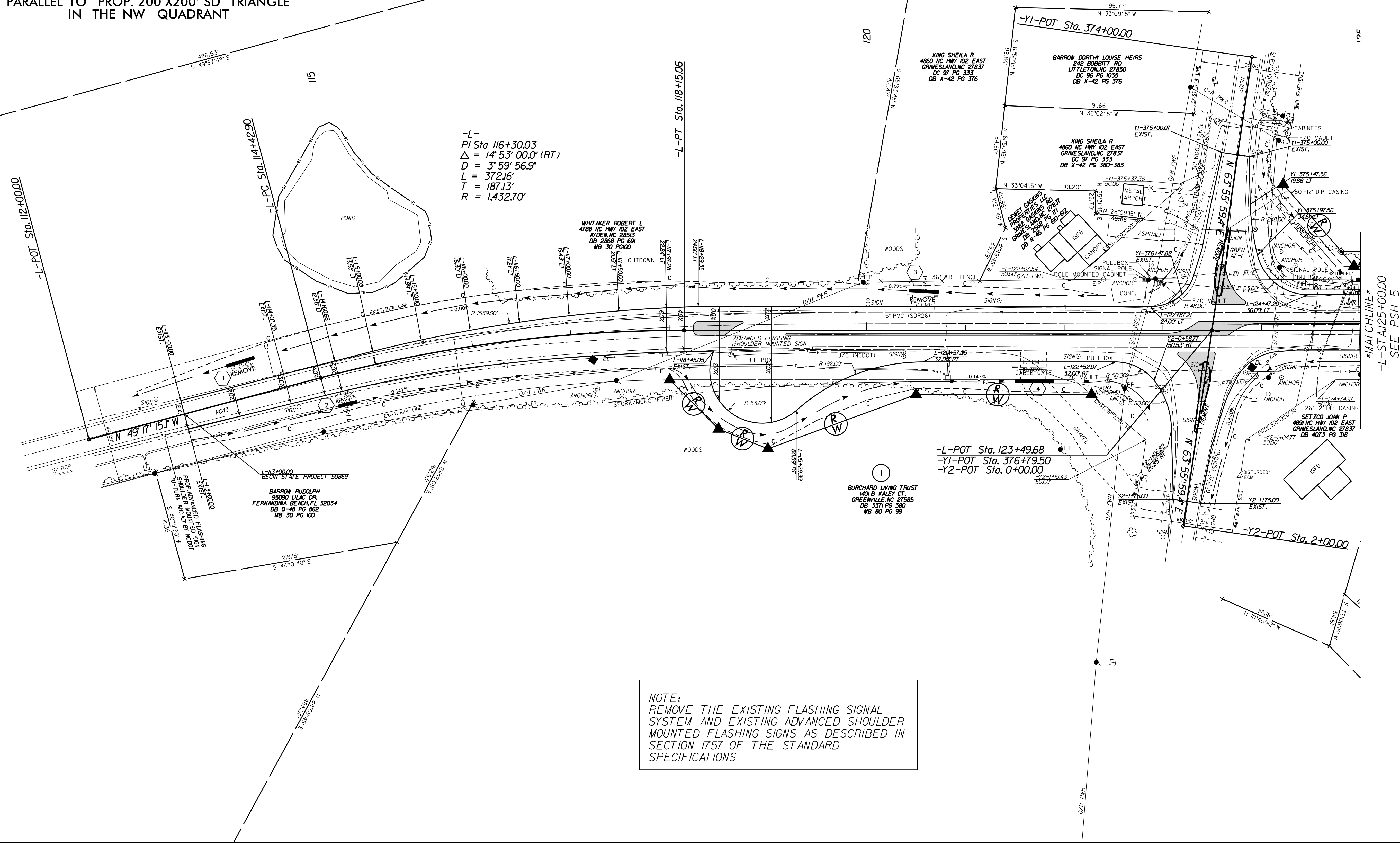
Seal

| PROJECT REFERENCE NO.                                            | SHEET NO. |
|------------------------------------------------------------------|-----------|
| 50869                                                            | RW05      |
| PLAN SHEET NO.                                                   | 5         |
| PROJECT PROFESSIONAL LAND SURVEYOR                               |           |
|                                                                  |           |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED |           |

REVISIONS



FROM STA.Y1-375+23 TO STA.L-124+94  
PARALLEL TO PROP. 200'X200' SD TRIANGLE  
IN THE NW QUADRANT

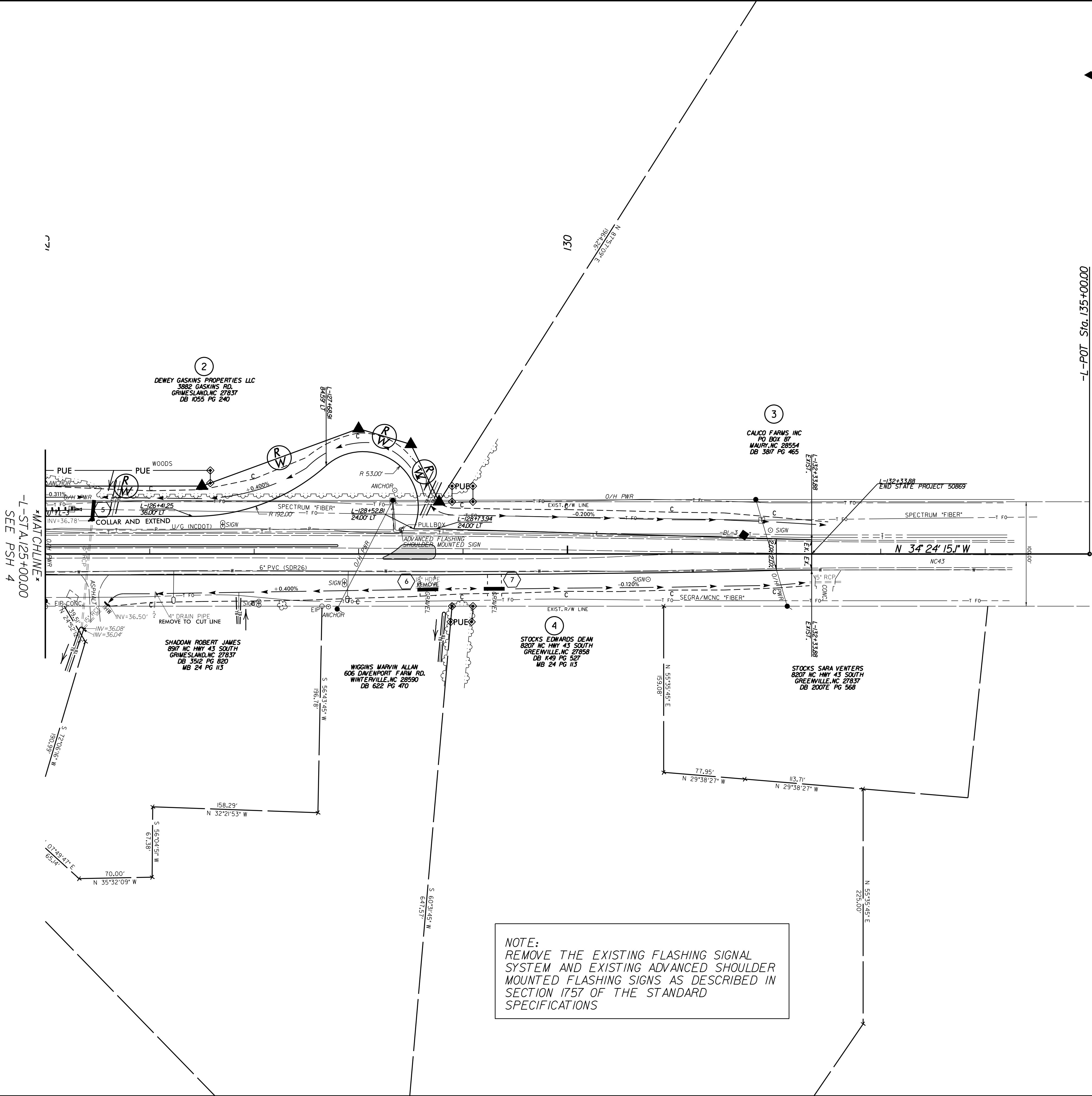


NOTE:  
REMOVE THE EXISTING FLASHING  
SYSTEM AND EXISTING ADVANCED SHOULDER  
MOUNTED FLASHING SIGNS AS DESCRIBED IN  
SECTION 1757 OF THE STANDARD  
SPECIFICATIONS

|                                                                          |  |                       |  |
|--------------------------------------------------------------------------|--|-----------------------|--|
| PROJECT REFERENCE NO.<br><b>50869</b>                                    |  | SHEET NO.<br><b>4</b> |  |
| RW SHEET NO.<br><b>RW04</b>                                              |  | HYDRAULICS ENGINEER   |  |
| ROADWAY DESIGN ENGINEER                                                  |  | HYDRAULICS ENGINEER   |  |
|                                                                          |  |                       |  |
| <b>DOCUMENT NOT CONSIDERED FINAL<br/>UNLESS ALL SIGNATURES COMPLETED</b> |  |                       |  |

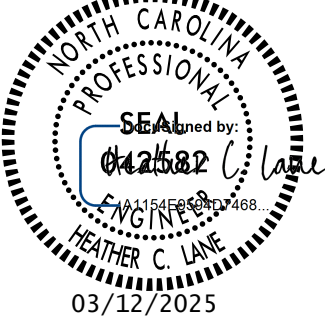
8/17/99  
7-FEB-2025 7:16  
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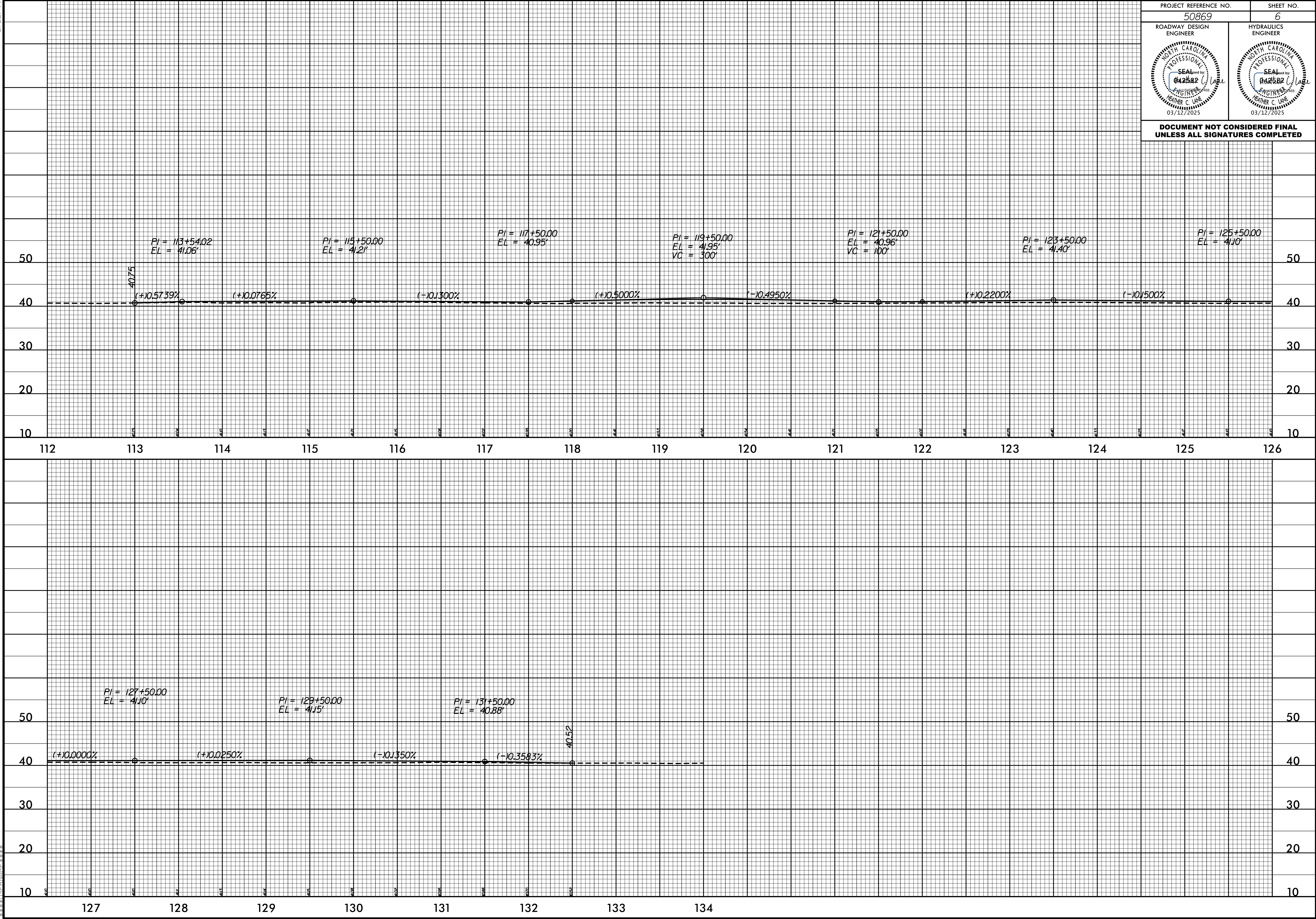
REVISIONS



|                                                                  |                     |
|------------------------------------------------------------------|---------------------|
| PROJECT REFERENCE NO.                                            | SHEET NO.           |
| 50869                                                            | 5                   |
| R/W SHEET NO.                                                    | RW05                |
| ROADWAY DESIGN ENGINEER                                          | HYDRAULICS ENGINEER |
|                                                                  |                     |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED |                     |

5/28/99

|                                                                                     |                                                                                     |                        |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------|
| PROJECT REFERENCE NO.<br>50869                                                      |                                                                                     | SHEET NO.<br>6         |
| ROADWAY DESIGN<br>ENGINEER                                                          |                                                                                     | HYDRAULICS<br>ENGINEER |
|  |  |                        |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                    |                                                                                     |                        |



I:\FEB\_2025\_1650\50869\NC43\_NCI02.pst 6.dgn  
5:55 PM 02/FEB/2025

# GENERAL NOTES / LOCAL NOTES

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 UNDESIRABLE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

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

## LANE AND SHOULDER CLOSURE REQUIREMENTS

A) DO NOT STOP TRAFFIC AS FOLLOWS:

| ROAD NAME | DAY AND TIME<br>RESTRICTIONS |
|-----------|------------------------------|
| NC43      | NONE                         |
| NC102     | NONE                         |

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

## PAVEMENT EDGE DROP OFF REQUIREMENTS

F) 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.

G) 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

H) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

## SIGNING

- I) 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.
- J) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

## TRAFFIC CONTROL DEVICES

- K) 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.
- L) PORTABLE CHANGEABLE MESSAGE SIGN WILL BE MEASURED AND PAID AS THE MAXIMUM NUMBER OF PORTABLE CHANGEABLE MESSAGE SIGNS ACCEPTABLY PLACED AND IN OPERATION, AT ANY ONE TIME DURING THE LIFE OF THE PROJECT. AS DIRECTED BY THE ENGINEER.

## PAVEMENT MARKINGS

M) INSTALL TEMPORARY PAVEMENT MARKINGS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

| ROAD NAME | MARKING | MARKER |
|-----------|---------|--------|
| NC43      | PAINT   | NONE   |
| NC102     | PAINT   | NONE   |

- N) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.
- O) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- P) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS BY THE END OF EACH DAY'S OPERATION.

## MISCELLANEOUS

Q) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 100 FT AND 200 FT RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.

## COORDINATION WITH THE DEPARTMENT

- R) FINAL SIGNAGE WILL BE PERFORMED BY NCDOT TRAFFIC SERVICES PROVIDE A THIRTY (30) DAY NOTICE TO THE DEPARTMENT PRIOR TO FINAL SIGNAGE REQUEST.
- S) THE STOCKPILE SIGN TYPE'S D,E OR F SHALL BE TRANSPORTED TO THE NCDOT TRAFFIC SERVICES FACILITY AT 1712 NORTH MEMORIAL DRIVE, GREENVILLE, NC 27835 PROVIDE A SEVEN (7) DAY NOTICE TO THE DEPARTMENT PRIOR TO TRANSPORT.

## SINUSOIDAL MILLED RUMBLE STRIPS

T) SEE CONTRACT FOR RUMBLE STRIP POLICY, SPECIAL PROVISION LANGUAGE AND ALSO PSH 2C-1 THRU 2C-2 FOR DETAIL DRAWINGS.

## PHASING

- STEP 1) USING RSD (ROADWAY STANDARD DRAWING) 1101.01, INSTALL ALL ADVANCE WARNING SIGNING ON ENTIRE PROJECT. IF CONSTRUCTION DOES NOT BEGIN WITHIN THREE DAYS OF SIGN INSTALLATION, REMOVE OR COVER THE ADVANCE WARNING SIGNING WITH AN APPROVED MATERIAL AT THE DISCRETION OF THE ENGINEER.
- STEP 2) USING RSD (ROADWAY STANDARD DRAWING) 1101.02, CONSTRUCT: ALL PROPOSED DRAINAGE, BULBOUTS AND RT TL'S UP TO THE EXISTING EDGE AND ELEVATION. REMOVE EXISTING CONC. ISLANDS FROM -Y- LINES.
- STEP 3) USING RSD (ROADWAY STANDARD DRAWING) 1101.02, WEDGE: -L-, -Y1- AND -Y2- AS GRADELINE IS PROPOSED UP TO BUT NOT INCLUDING THE SURFACE COURSE. INSTALL TEMPORARY PAVEMENT MARKING LINES ON THE WEDGED AREA AS DIRECTED BY THE ENGINEER.
- STEP 4) USING RSD (ROADWAY STANDARD DRAWING) 1101.02, INSTALL: THE SURFACE COURSE, ALL MONOLITHIC CONC. ISLANDS, SINUSOIDAL MILLED RUMBLE STRIPES, FINAL PAVEMENT MARKINGS AND MARKERS ON ENTIRE PROJECT.
- STEP 5) INSTALL FINAL SIGNAGE, REMOVE ALL TRANSPORTATION MANAGEMENT DEVICES AND SIGNING. PLACE TRAFFIC INTO FINAL PATTERN.

# LOCAL NOTES

## LOCAL NOTES:

- EMERGENCY VEHICLE ACCESS MUST BE MAINTAINED AT ALL TIMES.
- NOTIFY THE FIRE DEPARTMENTS, E.M.S., AND PITT COUNTY SCHOOL BOARD THIRTY (30) DAYS PRIOR TO START OF PROPOSED WORK.
- LOCAL ACCESS TO ALL RESIDENCES AND BUSINESSES WILL BE MAINTAINED BETWEEN CLOSURE POINTS AT ALL TIMES DURING CONSTRUCTION.

DocuSigned by:  
**Heather C. Lane**  
115466907488

APPROVED: DATE: 03/12/2015

SEAL  
042582  
ENGINEER  
HEATHER C. LANE

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

TRANSPORTATION OPERATIONS  
PLAN  
(MANAGEMENT STRATEGIES & GENERAL NOTES)

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

8/17/99

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REVISIONS

## FINAL PAVEMENT MARKING SCHEDULE

### THERMOPLASTIC (6" 90 MILS)

|     |                                    |
|-----|------------------------------------|
| T20 | WHITE EDGELINE                     |
| T21 | WHITE LANELINE                     |
| T23 | 3 FT. - 9 FT. / SP WHITE MINISKIP  |
| T24 | 2 FT. - 6 FT. / SP WHITE MINISKIP  |
| T30 | YELLOW EDGELINE                    |
| T33 | YELLOW DOUBLE CENTER               |
| T34 | 2 FT. - 6 FT. / SP YELLOW MINISKIP |

### THERMOPLASTIC (12" 90 MILS)

|     |                 |
|-----|-----------------|
| T50 | WHITE GORELINE  |
| T52 | YELLOW DIAGONAL |

### THERMOPLASTIC (24" 90 MILS)

|     |                |
|-----|----------------|
| T61 | WHITE STOP BAR |
|-----|----------------|

### THERMOPLASTIC PAVEMENT MARKING SYMBOLS/CHARACTERS(90 MILS)

|      |                               |
|------|-------------------------------|
| T71  | RIGHT TURN ARROW              |
| T77  | U-TURN ARROW                  |
| T100 | ALPHANUMERIC CHARACTER (ONLY) |

## SINUSOIDAL MILLED RUMBLE STRIPS

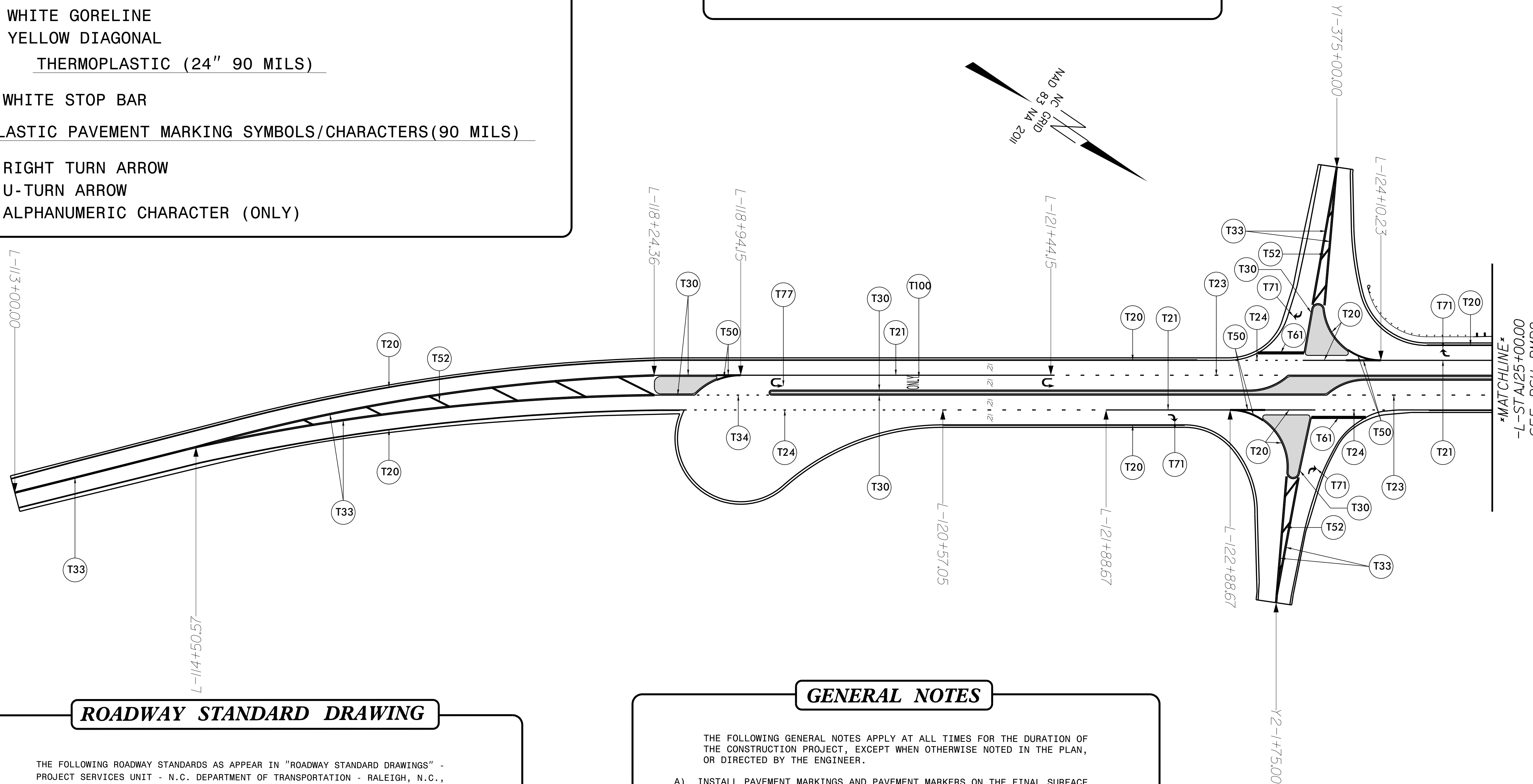
### 8" EDGELINE

- L-STA. 113+00.00 TO STA. 122+62.21 LT
- L-STA. 113+00.00 TO STA. 118+45.05 RT
- L-STA. 124+48.88 TO STA. 132+33.88 RT
- L-STA. 128+52.81 TO STA. 132+33.88 LT

### 18" CENTERLINE

- L-STA. 113+00.00 TO STA. 114+50.57
- L-STA. 132+22.28 TO STA. 132+33.88

|                       |           |
|-----------------------|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| 50869                 | PMP1      |
| PLAN SHEET NO.        | 4         |



## ROADWAY STANDARD DRAWING

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

| STD. NO. | TITLE                                                |
|----------|------------------------------------------------------|
| 1205.01  | PAVEMENT MARKINGS - LINE TYPES AND OFFSETS           |
| 1205.02  | PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS |
| 1205.05  | PAVEMENT MARKINGS - TURN LANES                       |
| 1205.08  | PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES        |
| 1205.15  | PAVEMENT MARKINGS - REDUCED CONFLICT INTERSECTIONS   |
| 1250.01  | RAISED PAVEMENT MARKERS INSTALLATION SPACING         |

## GENERAL NOTES

- THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.
- A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:
- | ROAD NAME    | MARKING       |
|--------------|---------------|
| NC43 / NC102 | THERMOPLASTIC |
- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES. PROJECT HAS PROPOSED 2.0' PAVED SHOULDERS.
- C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- D) STOP BAR LOCATION AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
- E) FINAL SIGNAGE WILL BE PERFORMED BY NCDOT TRAFFIC SERVICES. PROVIDE A THIRTY (30) DAY NOTICE TO THE DEPARTMENT PRIOR TO SIGNAGE REQUEST.

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REVISIONS

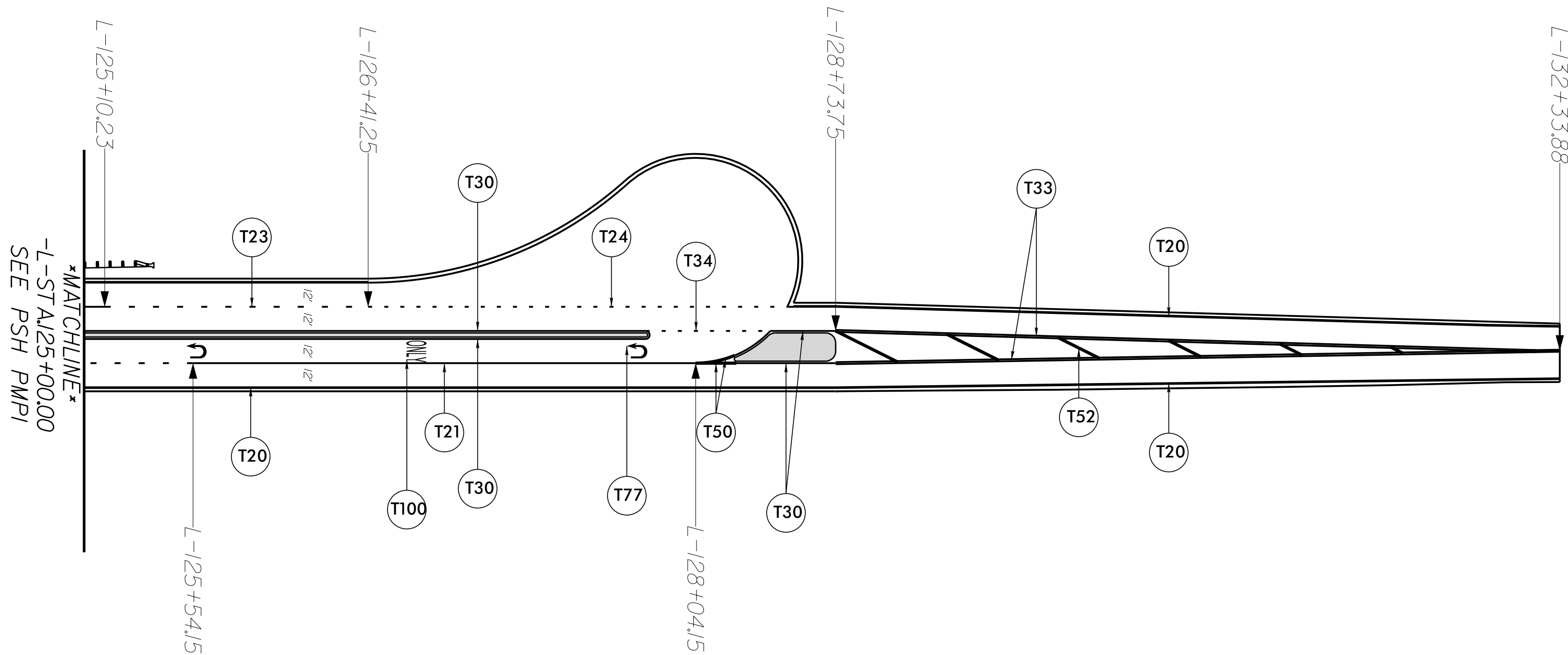
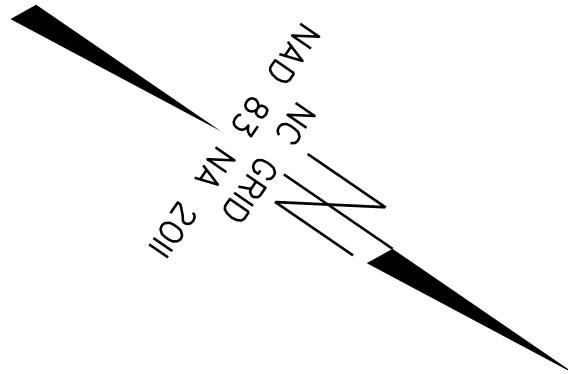
## ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" -  
PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C.,  
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## GENERAL NOTES

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- | ROAD NAME    | MARKING       |
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PROJECT HAS PROPOSED 2.0' PAVED SHOULDERS.
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PROVIDE A THIRTY (30) DAY NOTICE TO THE DEPARTMENT PRIOR TO SIGNAGE REQUEST.



## SINUSOIDAL MILLED RUMBLE STRIPS

### 8" EDGELINE

- L-STA. 113+00.00 TO STA. 122+62.21 LT
- L-STA. 113+00.00 TO STA. 118+45.05 RT
- L-STA. 124+48.88 TO STA. 132+33.88 RT
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### 18" CENTERLINE

- L-STA. 113+00.00 TO STA. 114+50.57
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## FINAL PAVEMENT MARKING SCHEDULE

### THERMOPLASTIC (6" 90 MILS)

- |     |                                    |
|-----|------------------------------------|
| T20 | WHITE EDGELINE                     |
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| T23 | 3 FT. - 9 FT. / SP WHITE MINISKIP  |
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### THERMOPLASTIC (12" 90 MILS)

- |     |                 |
|-----|-----------------|
| T50 | WHITE GORELINE  |
| T52 | YELLOW DIAGONAL |

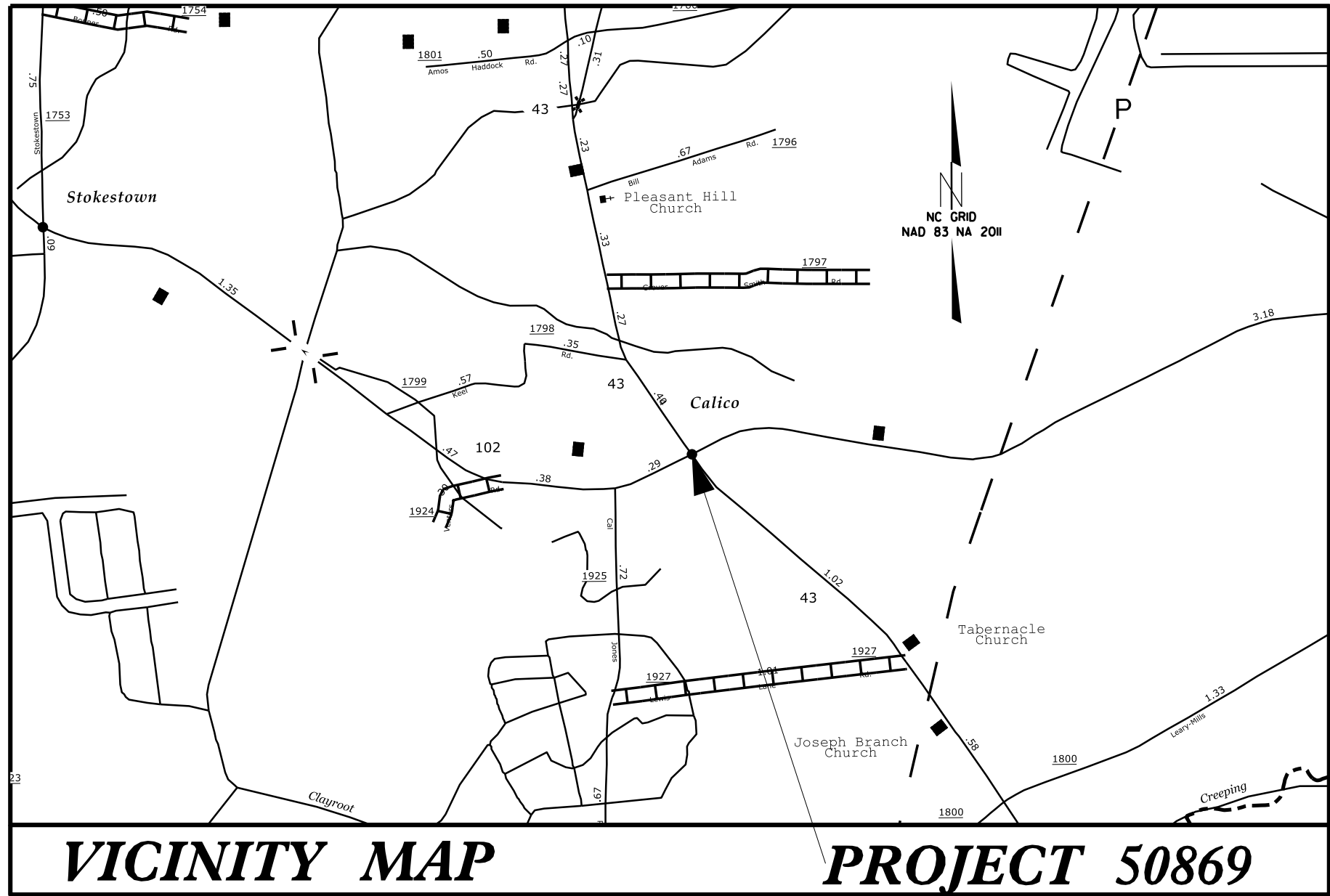
### THERMOPLASTIC (24" 90 MILS)

- |     |                |
|-----|----------------|
| T61 | WHITE STOP BAR |
|-----|----------------|

### THERMOPLASTIC PAVEMENT MARKING SYMBOLS/CHARACTERS(90 MILS)

- |      |                               |
|------|-------------------------------|
| T71  | RIGHT TURN ARROW              |
| T77  | U-TURN ARROW                  |
| T100 | ALPHANUMERIC CHARACTER (ONLY) |

TIP PROJECT: 50869



VICINITY MAP

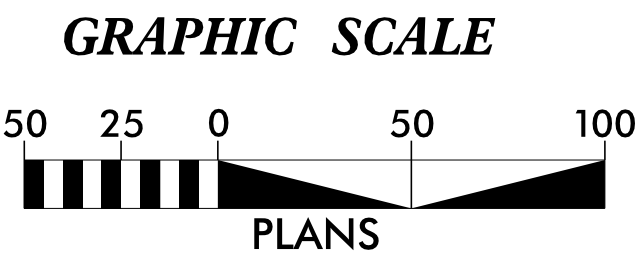
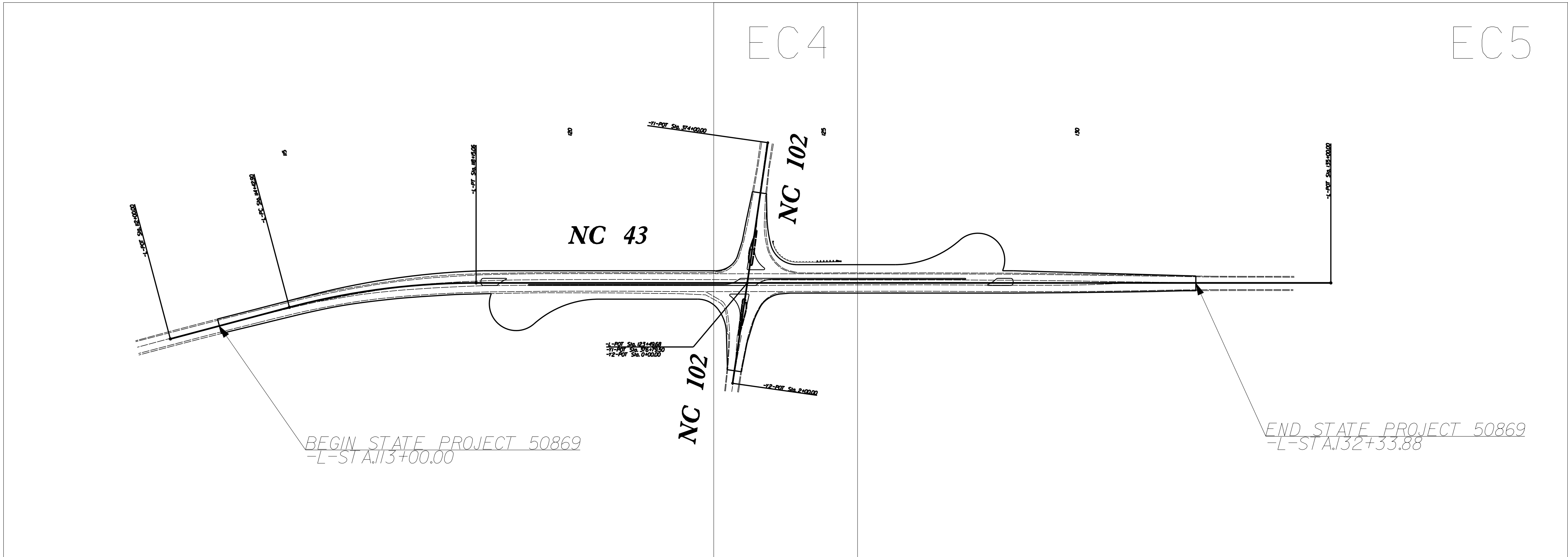
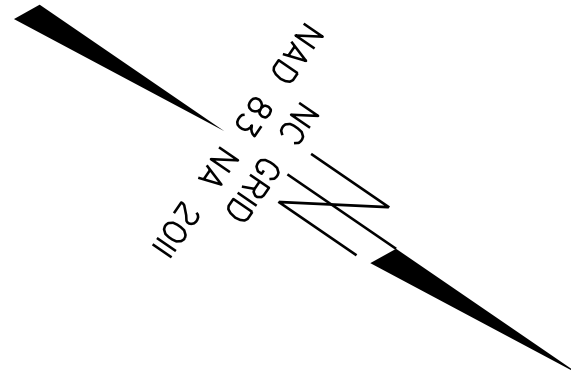
PROJECT 50869

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

LOCATION: NC43 AT NC102  
CALICO, PITT COUNTY

TYPE OF WORK: CONSTRUCTION OF A REDUCED CONFLICT INTERSECTION  
INCLUDING: CROWN AND SUPER ELEVATION CORRECTIONS,  
DRAINAGE, WIDENING, WEDGING AND RESURFACING

| STATE           | STATE PROJECT REFERENCE NO. | SHEET NO.   | TOTAL SHEETS |
|-----------------|-----------------------------|-------------|--------------|
| N.C.            | 50869                       | EC-1        | 6            |
| STATE PROJ. NO. | F.A. PROJ. NO.              | DESCRIPTION |              |
| 50869           |                             |             |              |
|                 |                             |             |              |
|                 |                             |             |              |
|                 |                             |             |              |



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY  
WITH THE REGULATIONS SET FORTH BY THE  
NCG-010000 GENERAL CONSTRUCTION PERMIT  
ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND  
NATURAL RESOURCES DIVISION OF WATER QUALITY.

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
1037 WH SMITH BLVD.  
GREENVILLE, NC 27835  
**2024 STANDARD SPECIFICATIONS**

Designed by:  
**RICH GODLEY** 3559  
NAME LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

The "Roadway Standard Drawings"- Roadway Design Unit - N. C.  
Department of Transportation - Raleigh, N. C., dated January 2024  
and the latest revision thereto are applicable to this project and by  
reference hereby are considered a part of these plans.

PROJECT REFERENCE NO.  
50869

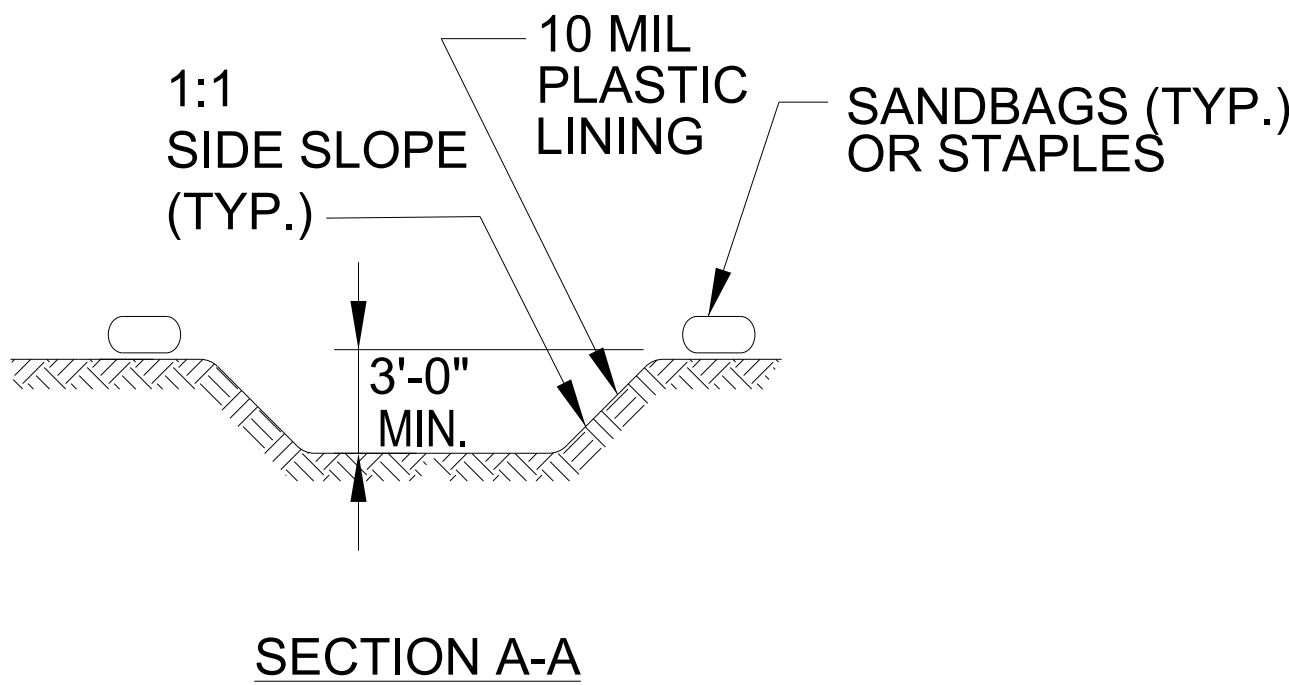
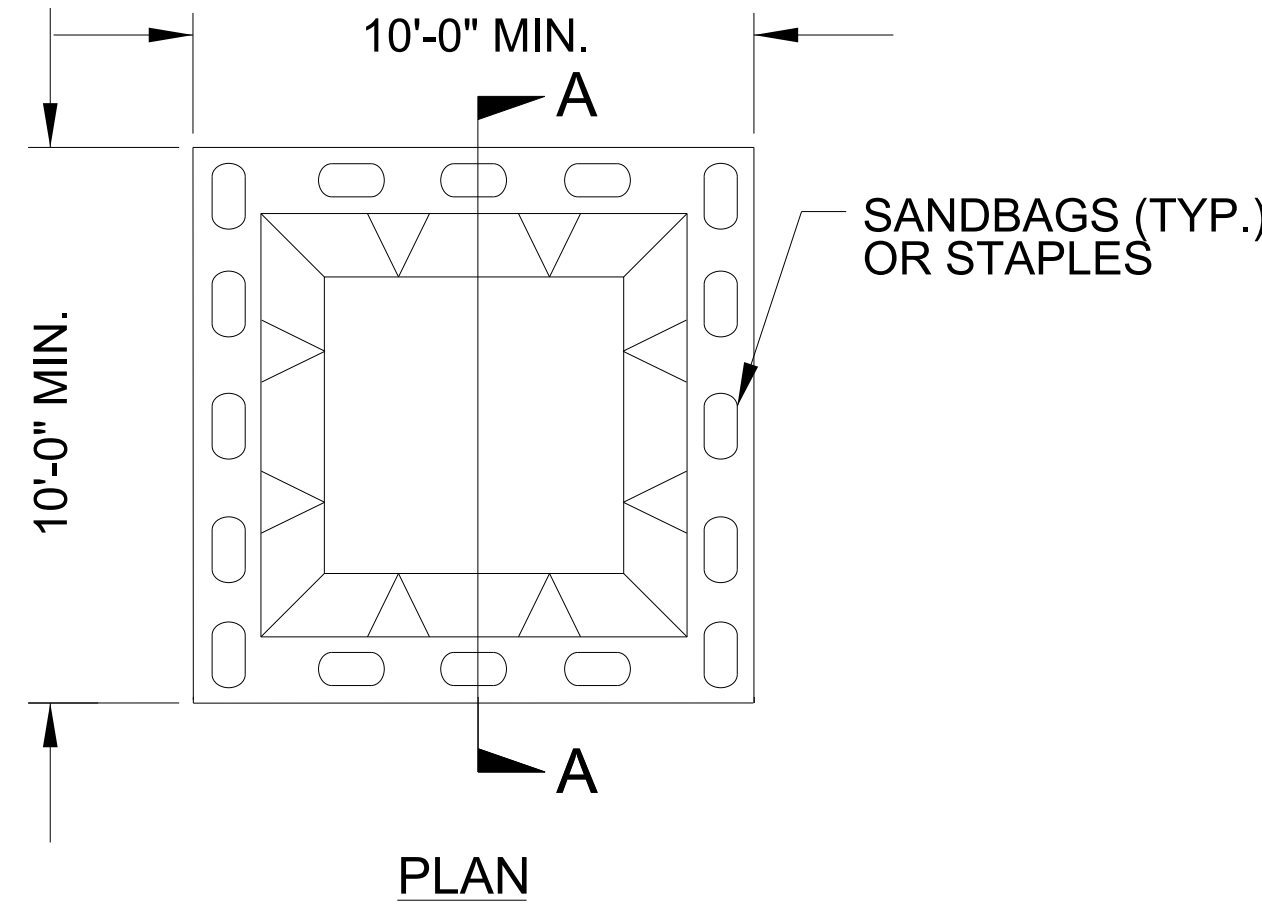
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EC-2

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

EROSION & SEDIMENT CONTROL LEGEND

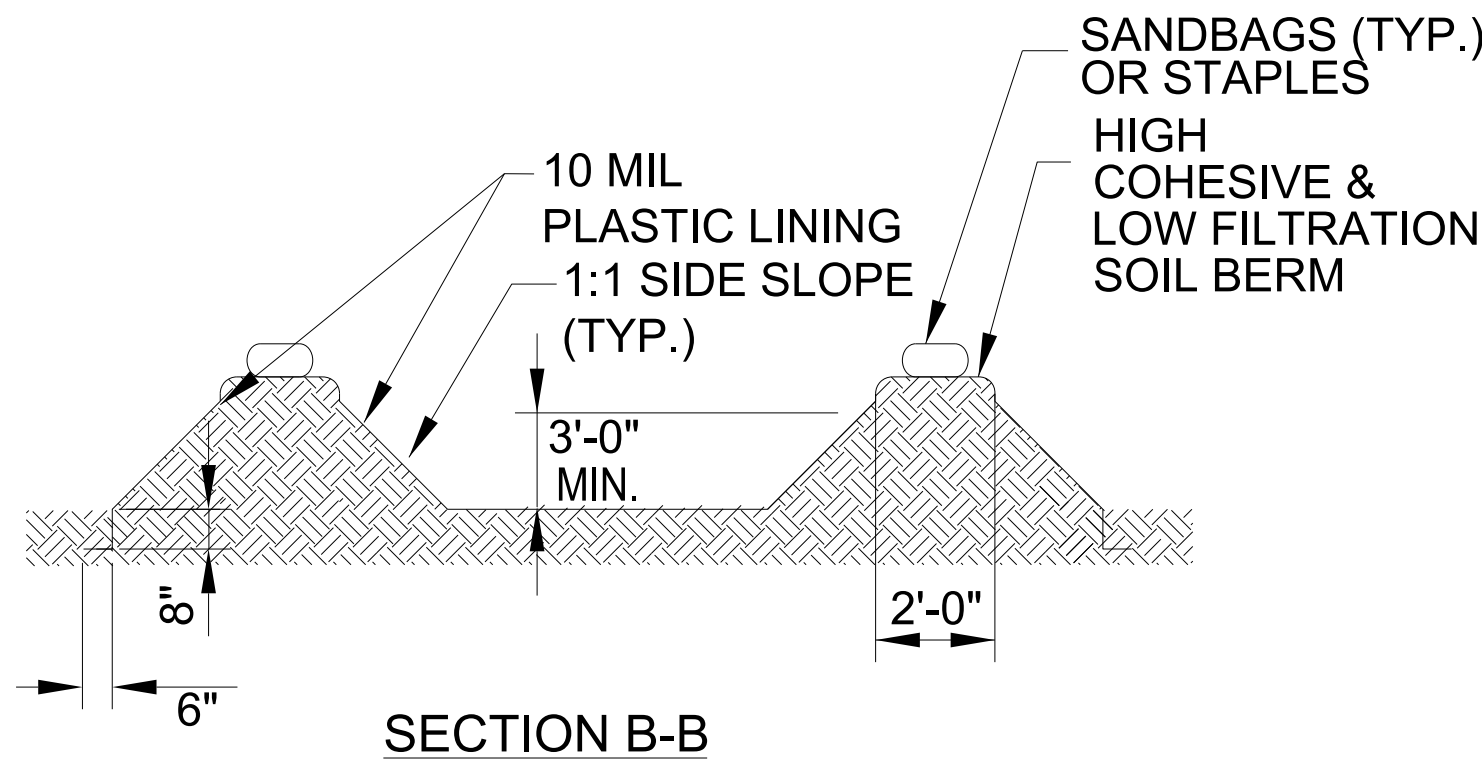
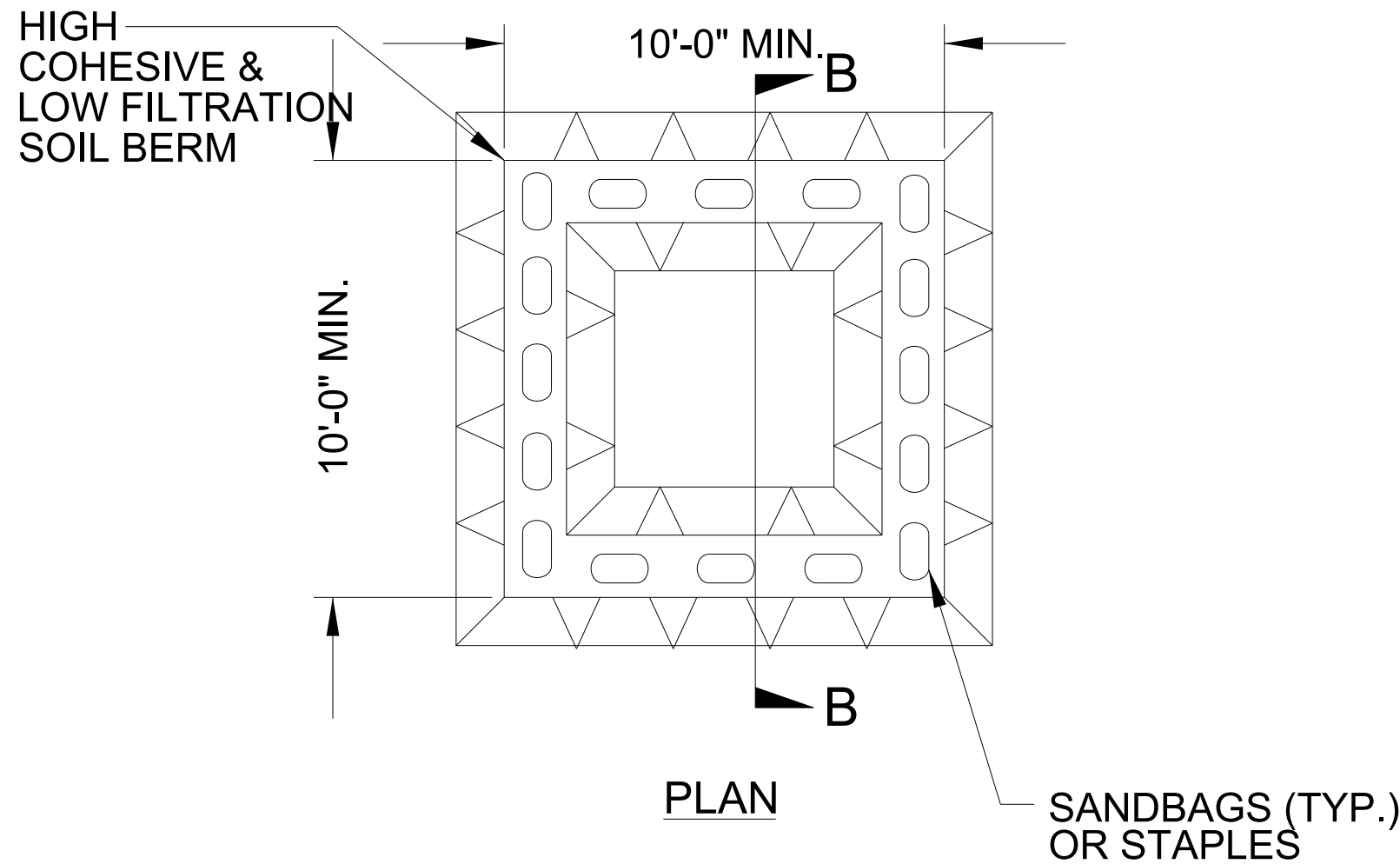
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|---------|----------------------------------|--------|---------|---------------------------------------------------------------------------|--------|
| 1605.01 | Temporary Silt Fence             |        | 1633.01 | Temporary Rock Silt Check Type 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                           |        |         |                                                                           |        |
| 1632.02 | Type B                           |        | 1636.03 | Excelsior Wattle Barrier                                                  |        |
| 1632.03 | Type C                           |        | 1636.03 | Coir Fiber Wattle Barrier                                                 |        |

# ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



**BELOW GRADE WASHOUT STRUCTURE**  
NOT TO SCALE

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



**ABOVE GRADE WASHOUT STRUCTURE**  
NOT TO SCALE

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

REVISIONS

8/17/99

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# DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

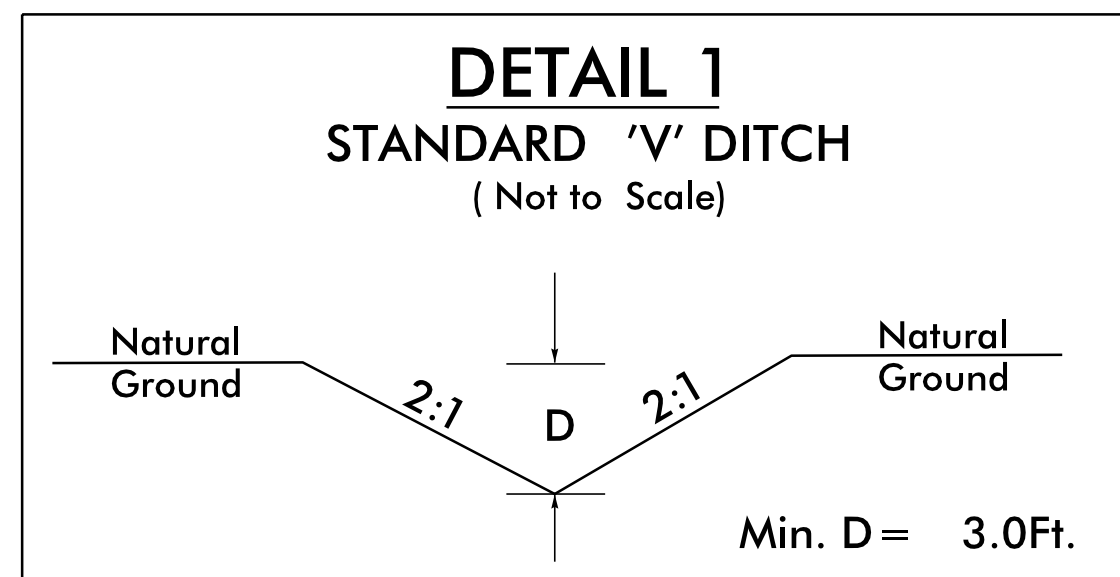
# SOIL STABILIZATION TIMEFRAMES

| <i>SITE DESCRIPTION</i>                      | <i>STABILIZATION TIME</i> | <i>TIMEFRAME EXCEPTIONS</i>                                                                                                                               |
|----------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| PERIMETER DIKES, SWALES, DITCHES AND SLOPES  | 7 DAYS                    | NONE                                                                                                                                                      |
| HIGH QUALITY WATER (HQW) ZONES               | 7 DAYS                    | NONE                                                                                                                                                      |
| SLOPES STEEPER THAN 3:1                      | 7 DAYS                    | IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.                                                                    |
| SLOPES 3:1 TO 4:1                            | 14 DAYS                   | 7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH WITH SLOPES STEEPER THAN 4:1.<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                                                                               |

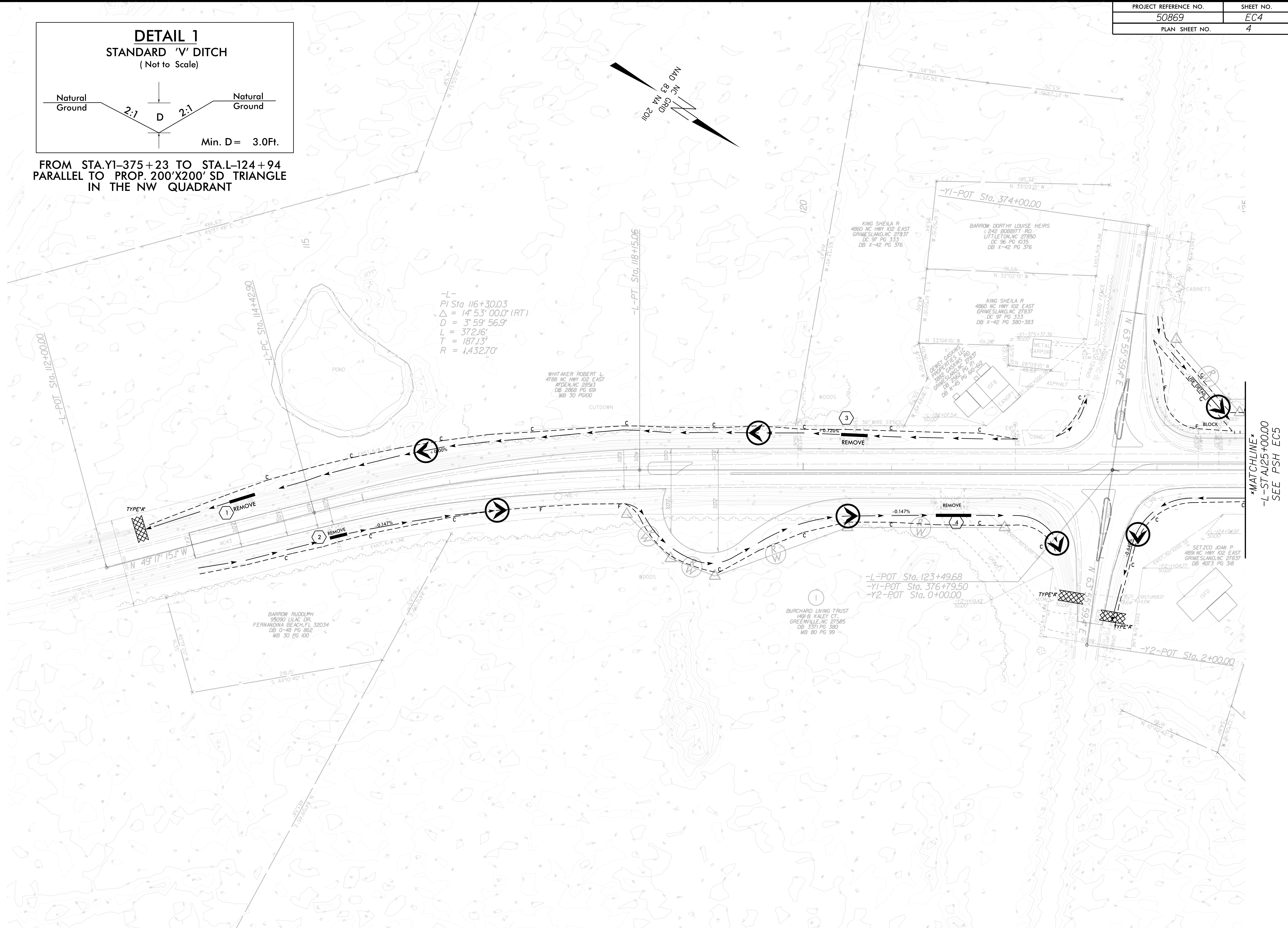
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| PROJECT REFERENCE NO. | SHEET NO. |
| 50869                 | EC4       |
| PLAN SHEET NO.        | 4         |



FROM STA.Y1-375+23 TO STA.L-124+94  
PARALLEL TO PROP. 200'X200' SD TRIANGLE  
IN THE NW QUADRANT



\*MATCHLINE\*  
-L-ST A125+00.00  
SEE PSH EC5

## REVISIONS

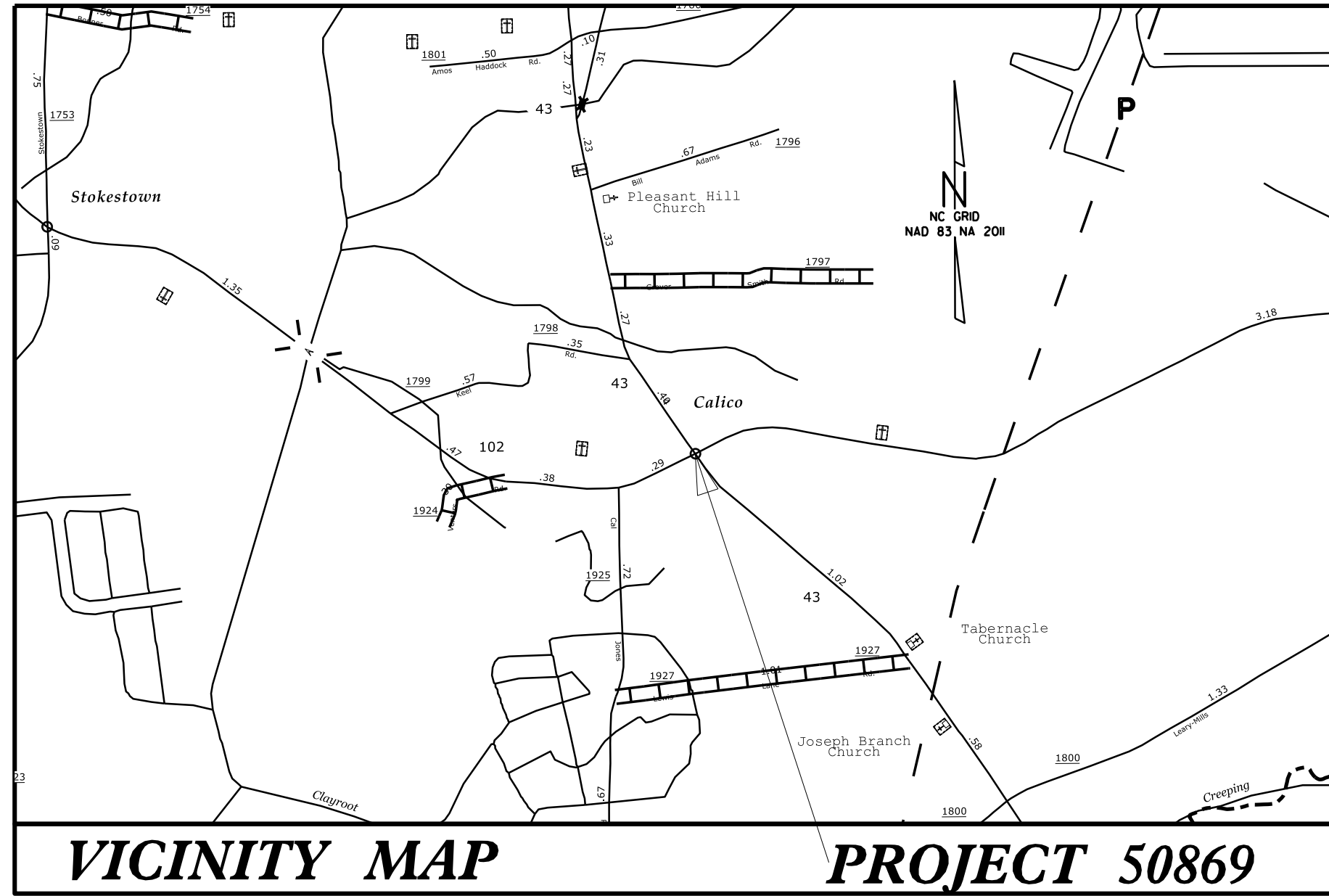
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TIP PROJECT: 50869



VICINITY MAP

PROJECT 50869

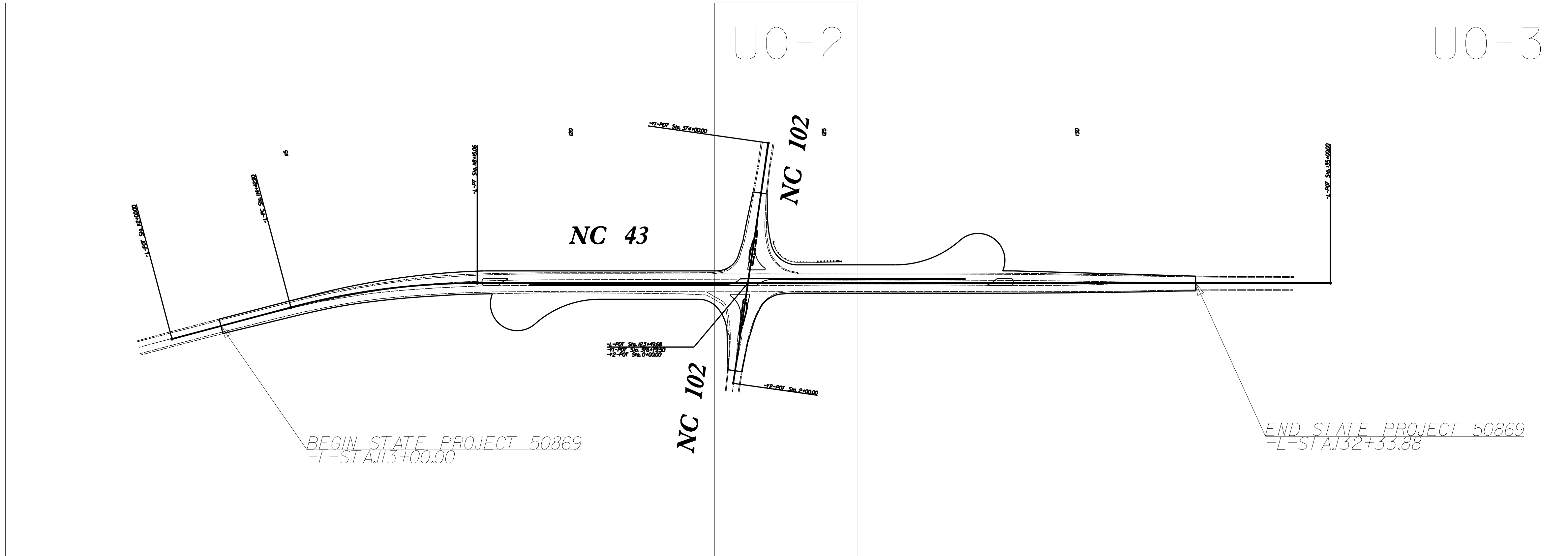
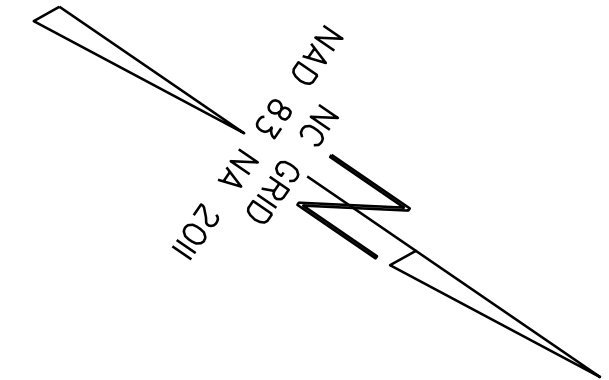
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

UTILITIES BY OTHERS PLANS  
PITT COUNTY

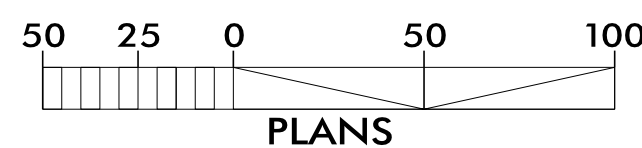
LOCATION: NC43 AT NC102  
CALICO

TYPE OF WORK: UTILITY RELOCATION BY OTHERS

NOTE:  
ALL UTILITY WORK SHOWN ON THIS  
SHEET WILL BE DONE BY OTHERS.  
NO PAYMENT WILL BE MADE TO  
THE CONTRACTOR FOR UTILITY WORK  
SHOWN ON THIS SHEET.



GRAPHIC SCALES



INDEX OF SHEETS

SHEET NO.:

U0-1

U0-2 THRU U0-3

DESCRIPTION:

TITLE SHEET

UBO PLAN SHEETS

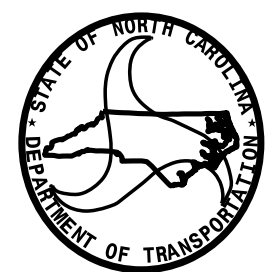
UTILITY OWNERS WITH CONFLICTS

- (A) COMMUNICATIONS - BRIGHTSPEED
- (B) POWER - GREENVILLE UTILITIES COMMISSION
- (C) COMMUNICATIONS - SEGRAMCNC
- (D) COMMUNICATIONS - SPECTRUM

PREPARED IN THE OFFICE OF:

**DIVISION OF HIGHWAYS**  
1037 WH SMITH BLVD., GREENVILLE, NC 27835

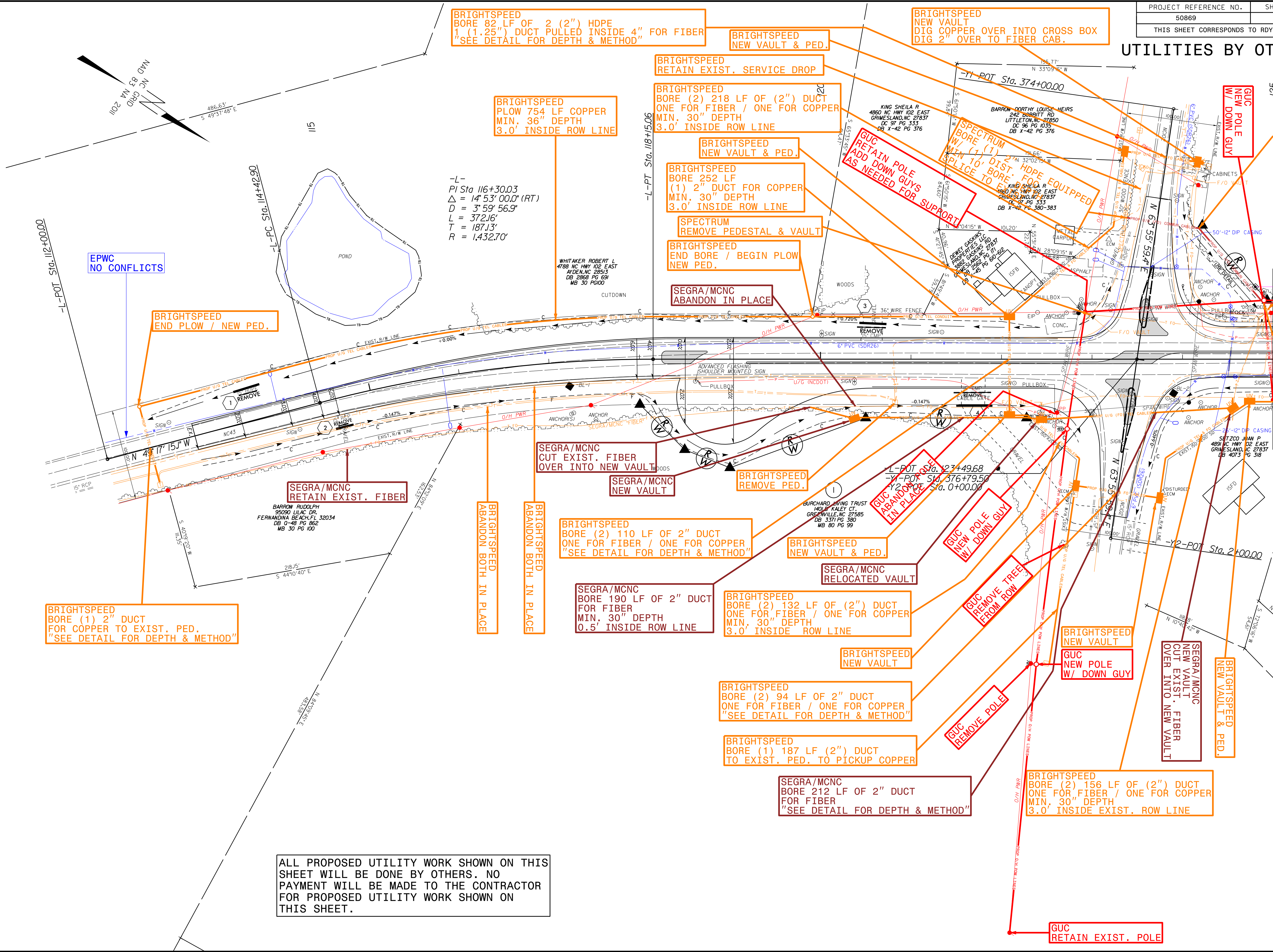
RICH GODLEY PROJECT DESIGN ENGINEER  
CHAD MILLS PROJECT UTILITY COORDINATOR  
DAVID KRAMER PROJECT UTILITY ENGINEER



**DIVISION OF HIGHWAYS**  
DIVISION 02  
2815 ROUSE ROAD EXTENSION  
KINSTON, NC 28504

CHAD MILLS DIVISION CONTACT #1  
DAVID KRAMER DIVISION CONTACT #2

UTILITIES BY OTHERS



ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.

\*MATCHLINE\*  
-L-ST A125+00.00  
SEE PSH U0-3



5/9/06

17-FEB-2025 16:53  
C:\Users\user\Documents\50869\NC43\_NCI02\_Calico (50869)\NC43\_NCI02.psh xla.dgn

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

SUMMARY OF EARTHWORK  
IN CUBIC YARDS

| LOCATION<br>(-L-) | UNCLASSIFIED<br>EXCAVATION | UNDERCUT | EMBANKMENT |
|-------------------|----------------------------|----------|------------|
| 113 + 54.02       | 0                          |          | 0          |
| 114 + 07.35       | 39                         |          | 67         |
| 114 + 42.90       | 35                         |          | 51         |
| 114 + 60.68       | 22                         |          | 26         |
| 115 + 00.00       | 47                         |          | 65         |
| 115 + 50.00       | 38                         |          | 98         |
| 116 + 00.00       | 29                         |          | 112        |
| 116 + 50.00       | 28                         |          | 118        |
| 117 + 00.00       | 26                         |          | 118        |
| 117 + 50.00       | 19                         |          | 120        |
| 117 + 97.28       | 14                         |          | 128        |
| 118 + 15.06       | 6                          |          | 54         |
| 118 + 50.61       | 22                         |          | 155        |
| 119 + 03.94       | 46                         |          | 295        |
| 119 + 50.00       | 40                         |          | 238        |
| 120 + 00.00       | 46                         |          | 208        |
| 120 + 50.00       | 47                         |          | 140        |
| 121 + 00.00       | 43                         |          | 108        |
| 121 + 50.00       | 54                         |          | 67         |
| 122 + 00.00       | 72                         |          | 47         |
| 122 + 50.00       | 57                         |          | 71         |

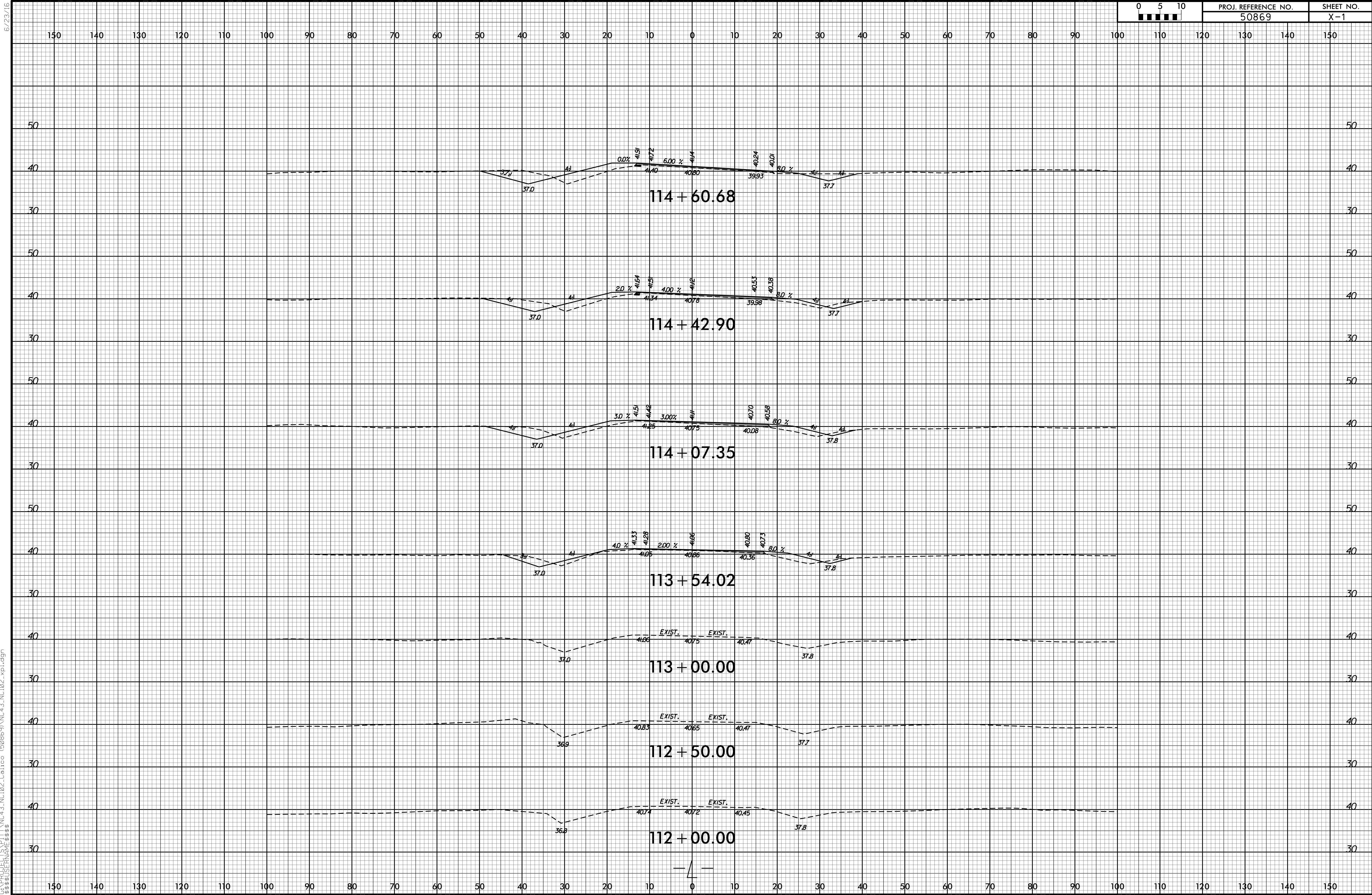
| LOCATION<br>(-L-) | UNCLASSIFIED<br>EXCAVATION | UNDERCUT | EMBANKMENT |
|-------------------|----------------------------|----------|------------|
| 124 + 50.00       | 0                          |          | 0          |
| 125 + 00.00       | 28                         |          | 66         |
| 125 + 50.00       | 44                         |          | 70         |
| 126 + 00.00       | 37                         |          | 80         |
| 126 + 50.00       | 47                         |          | 75         |
| 127 + 00.00       | 56                         |          | 57         |
| 127 + 50.00       | 77                         |          | 47         |
| 128 + 00.00       | 138                        |          | 45         |
| 128 + 50.00       | 158                        |          | 43         |
| 129 + 00.00       | 84                         |          | 34         |
| 129 + 50.00       | 24                         |          | 30         |
| 130 + 00.00       | 17                         |          | 35         |
| 130 + 50.00       | 17                         |          | 39         |
| 131 + 00.00       | 16                         |          | 37         |
| 131 + 50.00       | 14                         |          | 32         |
| 132 + 00.00       | 11                         |          | 30         |

| LOCATION<br>(-Y1-) | UNCLASSIFIED<br>EXCAVATION | UNDERCUT | EMBANKMENT |
|--------------------|----------------------------|----------|------------|
| 375 + 50.00        | 0                          |          | 0          |
| 376 + 00.00        | 8                          |          | 56         |

| LOCATION<br>(-Y2-) | UNCLASSIFIED<br>EXCAVATION | UNDERCUT | EMBANKMENT |
|--------------------|----------------------------|----------|------------|
| 1 + 00.00          | 0                          |          | 0          |
| 1 + 50.00          | 6                          |          | 37         |

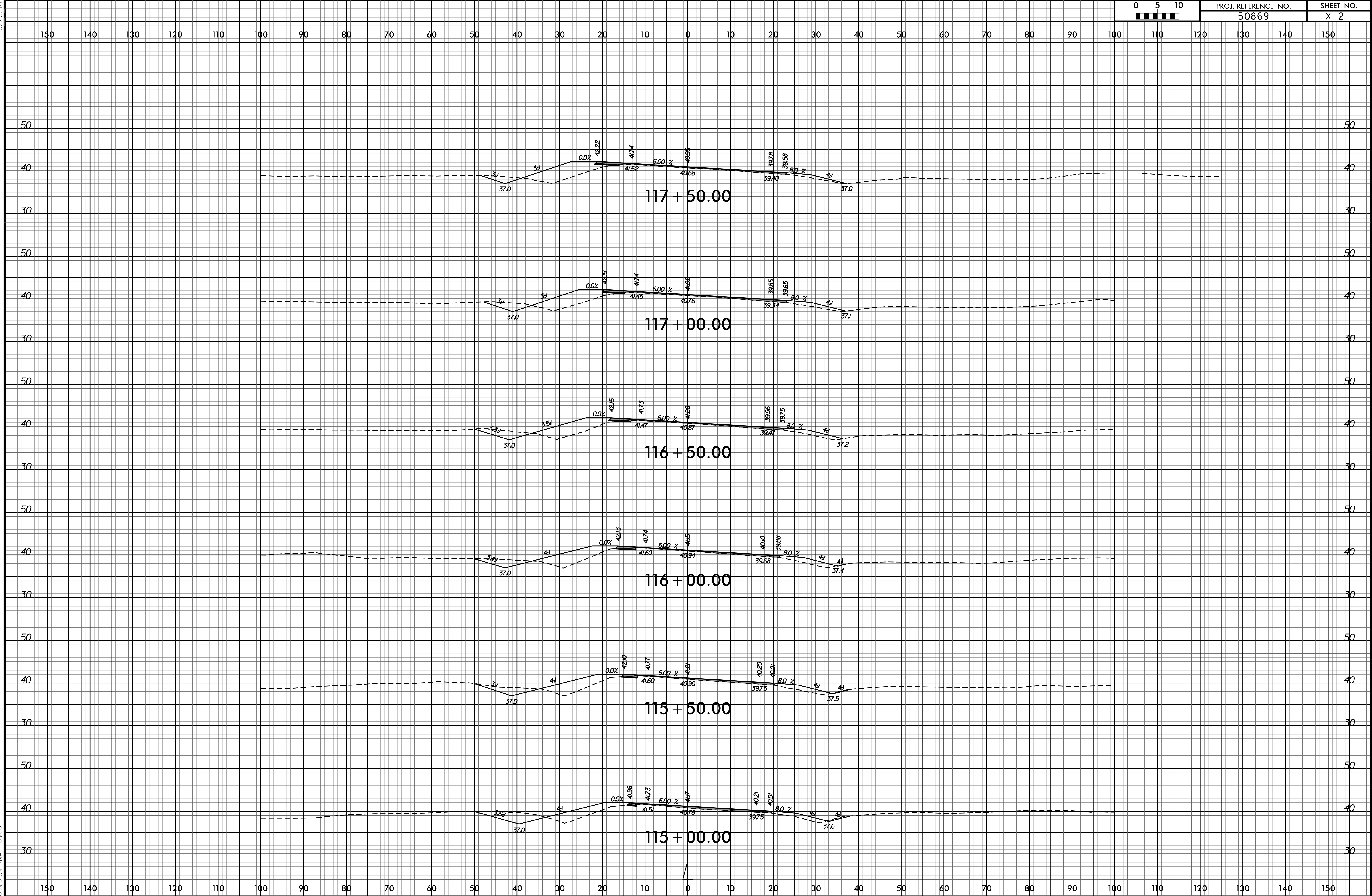
NOTE: Approximate quantities only. Unclassified Excavation, Borrow Excavation,  
Fine Grading and Clearing and Grubbing  
will be paid for at the contract Lump Sum price for "Grading".

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT.



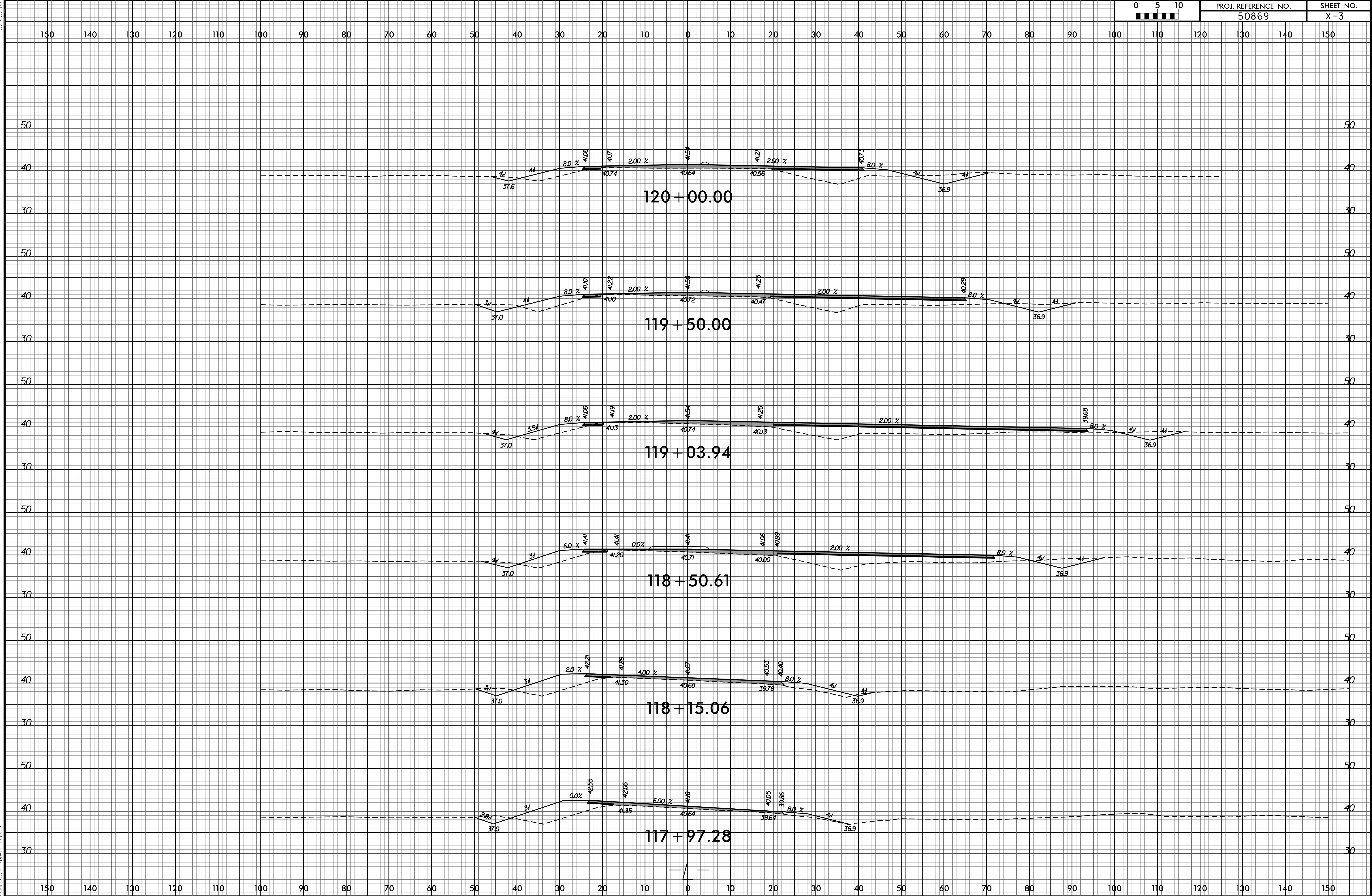
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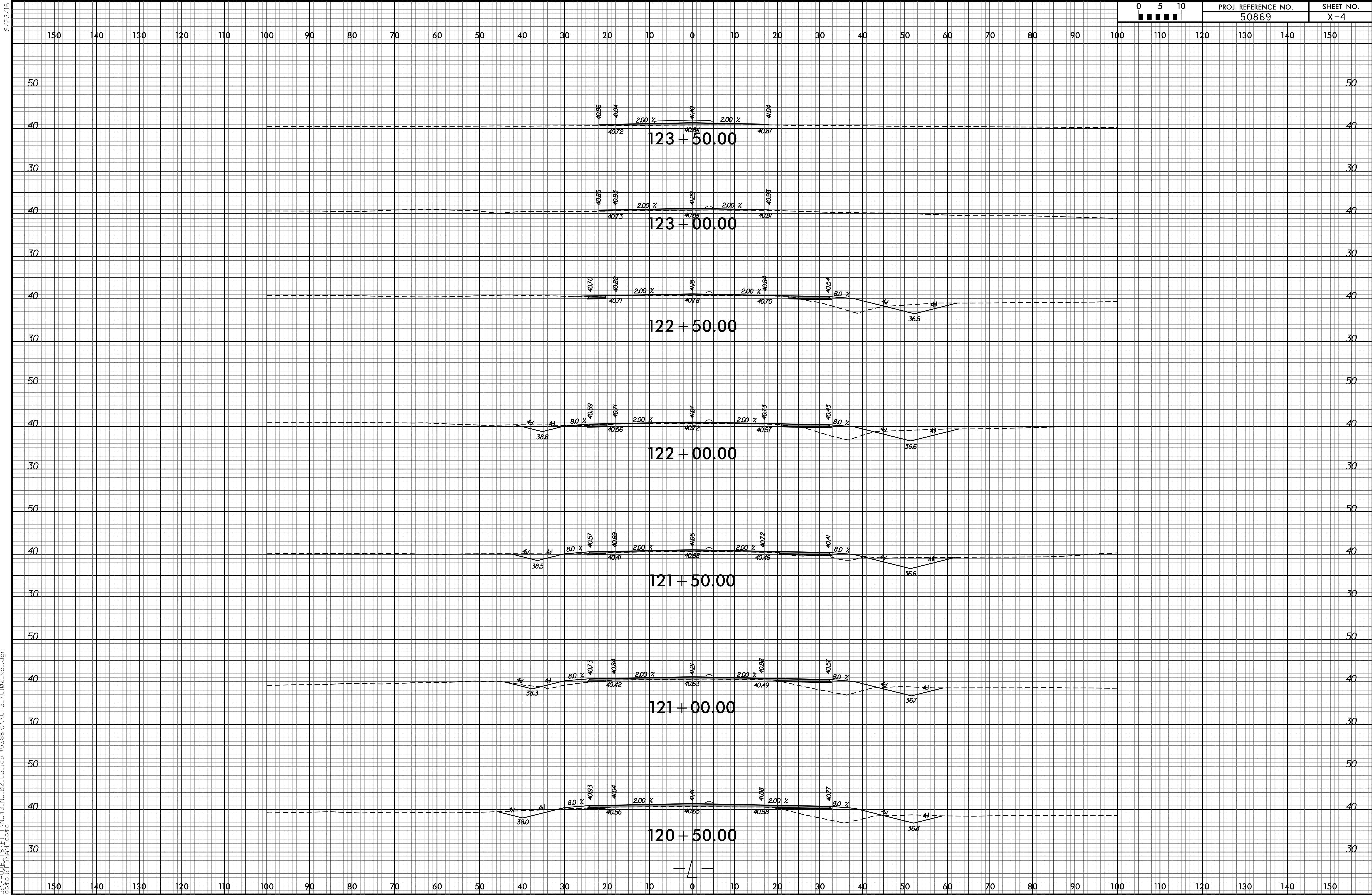
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ssssuser\mcses



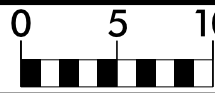
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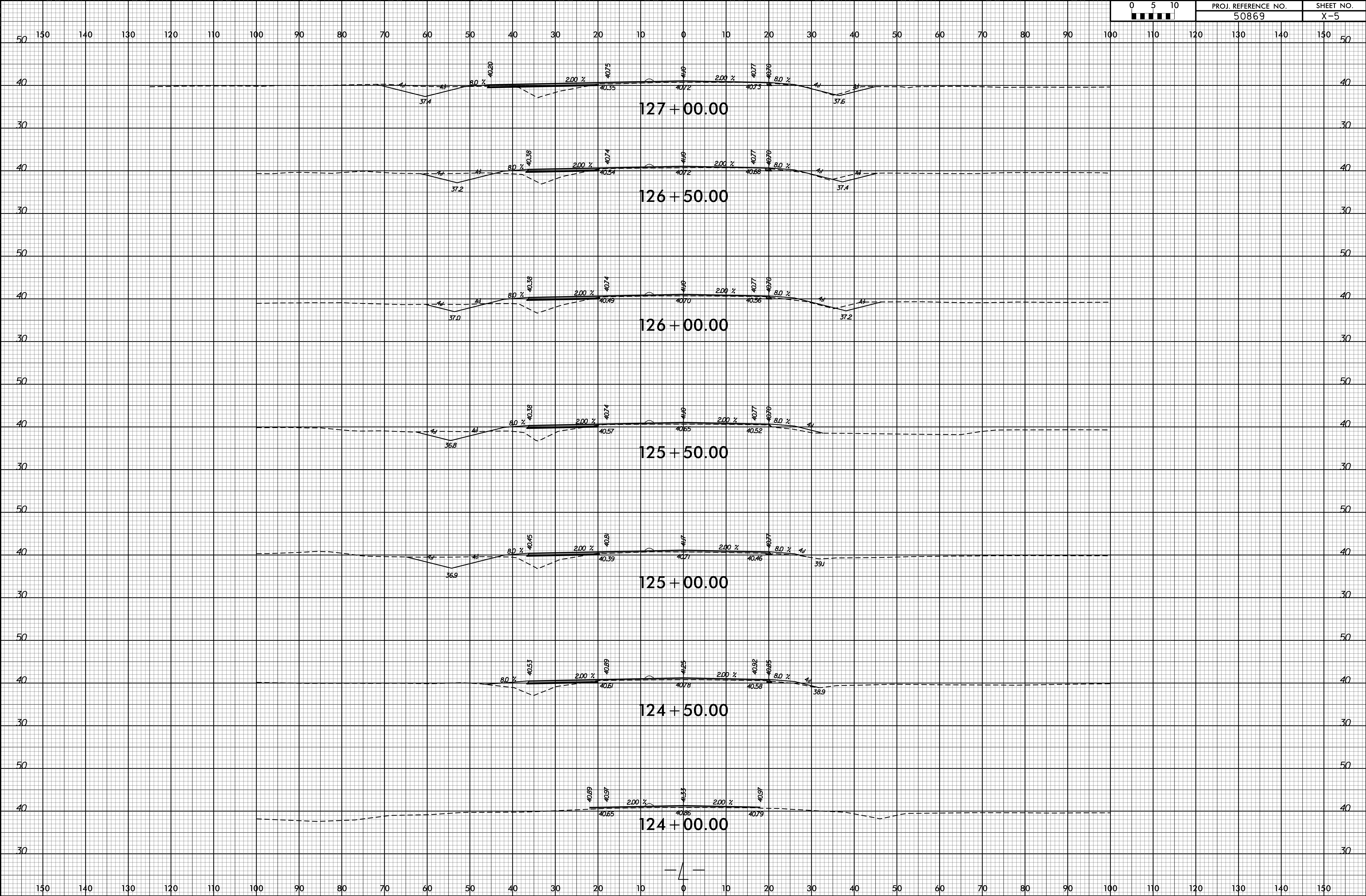


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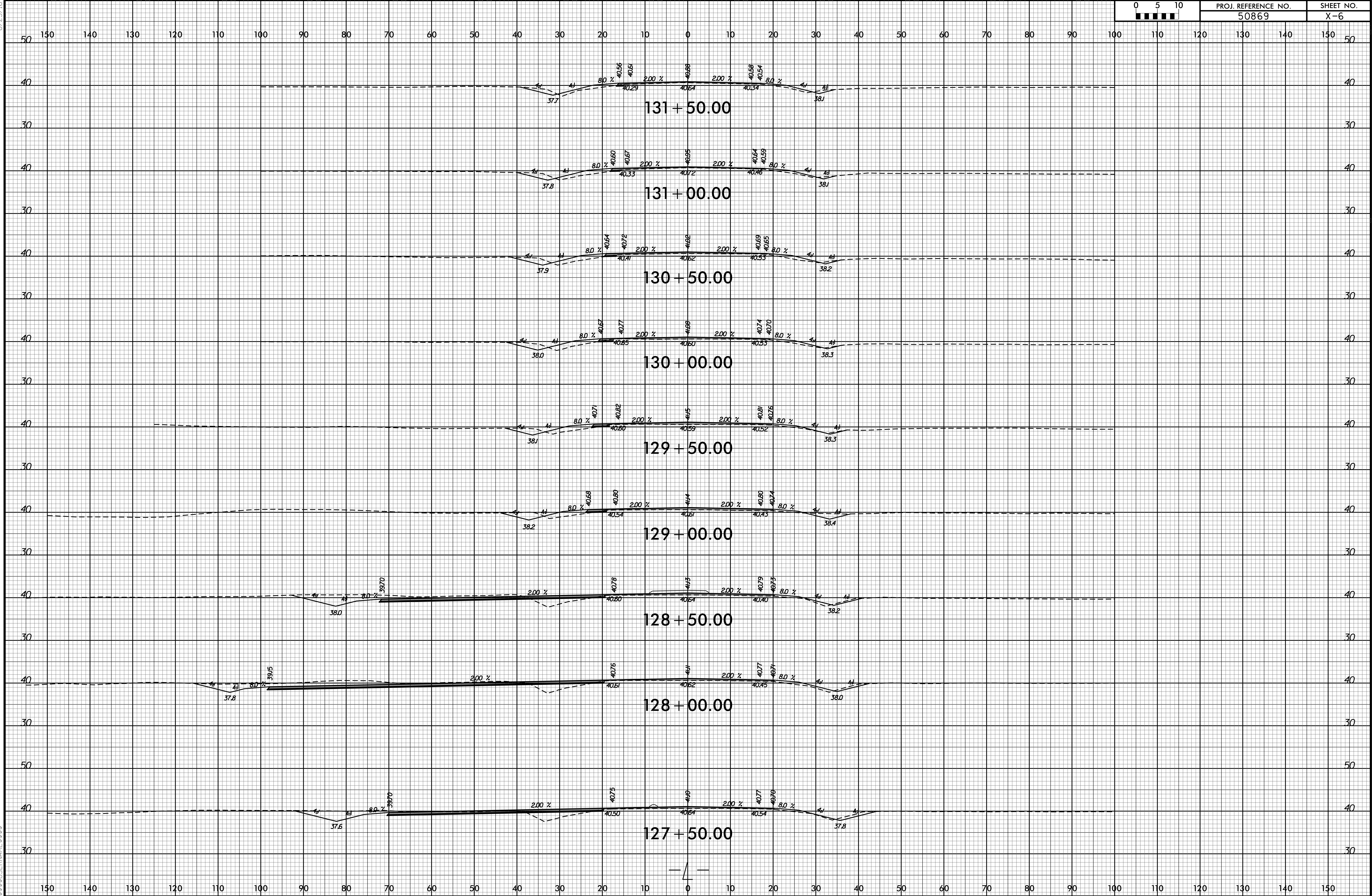
PROJ. REFERENCE NO.  
50869

SHEET NO.  
X-5

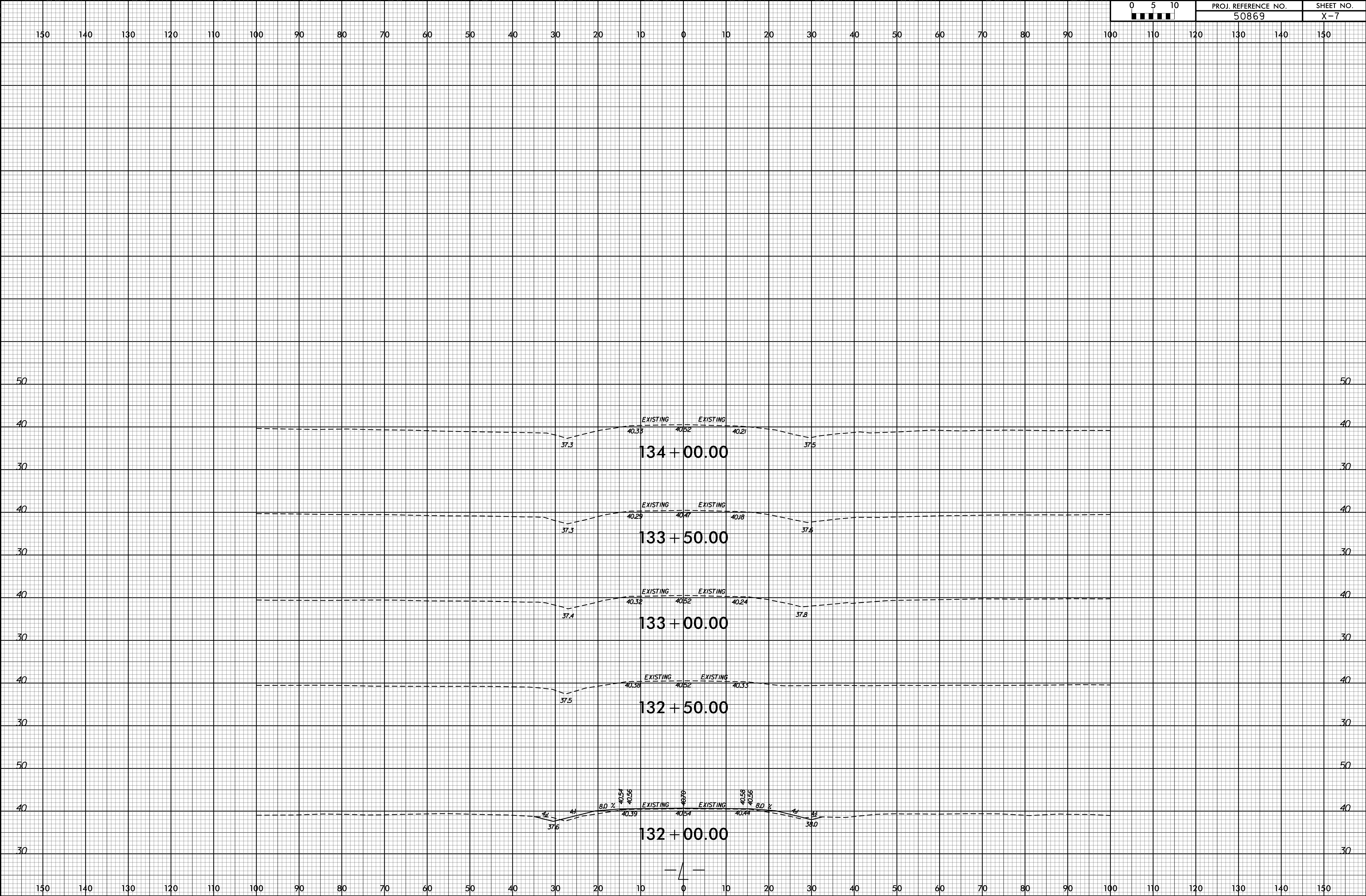


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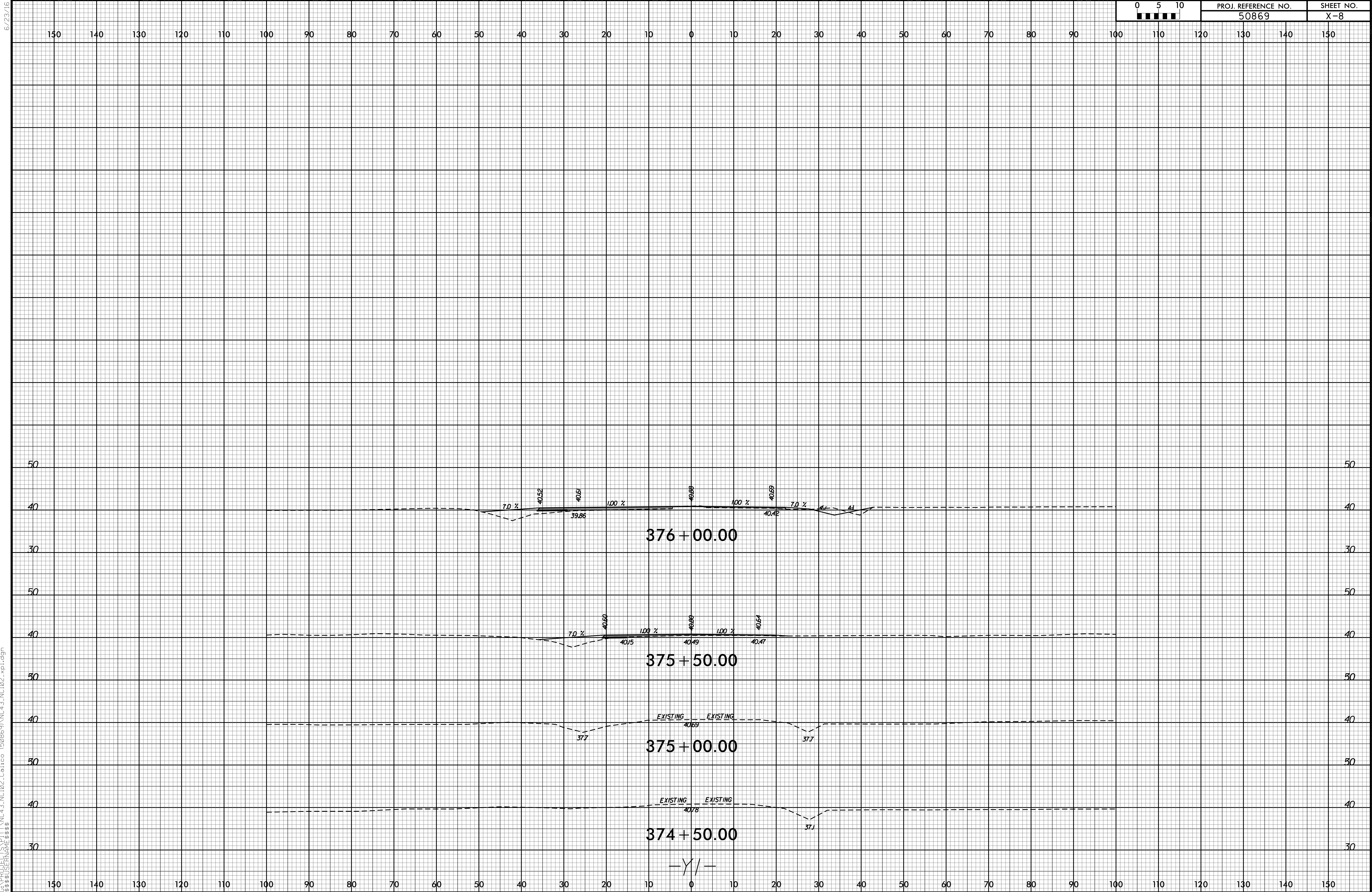


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