

### GENERAL NOTES

GENERAL NOTES: 2024 SPECIFICATIONS EFFECTIVE: 01-16-24

GRADING AND SURFACING OR RESURFACING AND WIDENING:

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

CLEARING:

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

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 DRAINS:

SUBSURFACE DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 815.02 AT LOCATIONS DIRECTED BY THE ENGINEER.

DRIVEWAYS:

DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. 848.02 USING 3 FOOT RADIUS OR RADIUS SHOWN ON THE PLANS. LOCATIONS OF DRIVES WILL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

STREET TURNOUT:

STREET RETURNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 848.04 USING THE RADIUS NOTED ON PLANS.

GUARDRAIL:

THE GUARDRAIL LOCATIONS SHOWN ON THE PLANS MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT WITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL.

TEMPORARY SHORING:

SHORING REQUIRED FOR THE MAINTENANCE OF TRAFFIC NOT SHOWN ON THE PLANS WILL BE PAID FOR AT THE CONTRACT PRICE FOR "TEMPORARY SHORING".

END BENTS:

THE ENGINEER SHALL CHECK THE STRUCTURE END BENT PLANS, DETAILS, AND CROSS-SECTION PRIOR TO SETTING OF THE SLOPE STAKES FOR THE EMBANKMENT OR EXCAVATION APPROACHING A BRIDGE.

UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE AT&T, DUKE ENERGY, CHARTER, PNG, WINDSTREAM COMMUNICATION AND WINSTON SALEM/FORSYTH COUNTY UTILITIES COMMISSION (WATER & SEWER).

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS, EXCEPT AS SHOWN ON THE PLANS.

RIGHT-OF-WAY MARKERS:

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

### LIST OF ROADWAY STANDARD DRAWINGS

2024 ROADWAY ENGLISH STANDARD DRAWINGS

EFF. 01-16-2024

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

| STD.NO.                       | TITLE  |
|-------------------------------|--|
| <b>DIVISION 2 - EARTHWORK</b> |  |
| 200.03                        | Method of Clearing - Method III                        |
| 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      |
| 275.01                        | Rock Plating   |

|                                   |                            |
|-----------------------------------|----------------------------|
| <b>DIVISION 3 - PIPE CULVERTS</b> |                            |
| 310.10                            | Driveway Pipe Construction |

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|---|---|
| <b>DIVISION 4 - SUBGRADE, BASES AND SHOULDERS</b> |   |
| 423.03  | Bridge Approach Fills - Type 2 Approach Fill for Bridge Abutment with MSE Wall            |
| 423.04  | Bridge Approach Fills - Type 2A Approach Fill for Intergral Bridge Abutment with MSE Wall |

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|---|---|
| <b>DIVISION 5 - SUBGRADE, BASES AND SHOULDERS</b> |   |
| 560.01  | Method of Shoulder Construction - High Side of Superelevated Curve - Method I |

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|---|--|
| <b>DIVISION 6 - ASPHALT BASES AND PAVEMENTS</b> |  |
| 610.04  | Guide for Paving Shoulders Under Bridges - Method IV |
| 654.01  | Pavement Repairs                                     |

|                                 |  |
|---------------------------------|--|
| <b>DIVISION 8 - INCIDENTALS</b> |  |
| 806.01                          | Concrete Right-of-Way Marker   |
| 806.02                          | Granite Right-of-Way Marker  |
| 815.02                          | Subsurface Drain   |
| 838.01                          | Concrete Endwall for Single and Double Pipe Culverts - 15" thru 48" Pipe 90 Skew |
| 838.11                          | Brick Endwall for Single and Double Pipe Culverts - 15" thru 48" Pipe 90 Skew    |
| 840.00                          | Concrete Base Pad for Drainage Structures  |
| 840.01                          | Brick Catch Basin - 12" thru 54" Pipe  |
| 840.02                          | Concrete Catch Basin - 12" thru 54" Pipe   |
| 840.03                          | Frame, Grates and Hood - for Use on Standard Catch Basin                         |
| 840.14                          | Concrete Drop Inlet - 12" thru 30" Pipe  |
| 840.15                          | Brick Drop Inlet - 12" thru 30" Pipe   |
| 840.16                          | Drop Inlet Frame and Grates - for use with Std. Dwg 840.14 and 840.15            |
| 840.17                          | Concrete Grated Drop Inlet Type 'A' - 12" thru 72" Pipe                          |
| 840.18                          | Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe                          |
| 840.24                          | Frames and Narrow Slot Sag Grates  |
| 840.25                          | Anchorage for Frames - Brick or Concrete or Precast                              |
| 840.26                          | Brick Grated Drop Inlet Type 'A' - 12" thru 72" Pipe                             |
| 840.27                          | Brick Grated Drop Inlet Type 'B' - 12" thru 36" Pipe                             |
| 840.31                          | Concrete Junction Box - 12" thru 66" Pipe  |
| 840.32                          | Brick Junction Box - 12" thru 66" Pipe   |
| 840.34                          | Traffic Bearing Junction Box - for Use with Pipes 42" and Under                  |
| 840.35                          | Traffic Bearing Grated Drop Inlet - for Cast Iron Double Frame and Grates        |
| 840.37                          | Steel Grate and Frame  |
| 840.45                          | Precast Drainage Structure   |
| 840.46                          | Traffic Bearing Precast Drainage Structure                                       |
| 840.54                          | Manhole Frame and Cover  |
| 840.66                          | Drainage Structure Steps   |
| 840.71                          | Concrete and Brick Pipe Plug   |
| 846.01                          | Concrete Curb, Gutter and Curb & Gutter  |
| 846.04                          | Drop Inlet Installation in Shoulder Berm Gutter                                  |
| 848.02                          | Driveway Turnout - Radius Type   |
| 848.04                          | Street Turnout   |
| 852.01                          | Concrete Islands   |
| 852.06                          | Method for Placement of Drop Inlets in Concrete Islands                          |
| 852.10                          | Median Construction - with Curb and Gutter                                       |
| 857.01                          | Precast Reinforced Concrete Barrier - 41" Single Faced                           |
| 862.01                          | Guardrail Placement  |
| 862.02                          | Guardrail Installation   |
| 862.03                          | Structure Anchor Units   |
| 862.04                          | Anchoring End of Guardrail - B-77 and B-83 Anchor Units                          |
| 876.01                          | Rip Rap in Channels and Ditches  |
| 876.02                          | Guide for Rip Rap at Pipe Outlets  |
| 876.04                          | Drainage Ditches with Class 'B' Rip Rap  |

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| PROJECT REFERENCE NO.<br><i>U-5899</i>  | SHEET NO.<br><i>1A</i>   |
| ROADWAY DESIGN ENGINEER   |  |
|  |  |
| <b>DOCUMENT NOT CONSIDERED FINAL<br/>UNLESS ALL SIGNATURES COMPLETED</b>            |  |
| Prepared in the Office of:  |  930 Main Campus Drive, Suite 200<br>Raleigh, NC 27666<br>www.mottmac.com |

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