

## GENERAL NOTES

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

**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 II.

**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.

**SHOULDER DRAINS:**  
 SHOULDER DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 816.02 AND DETAILS IN PLANS AT LOCATIONS DIRECTED BY THE ENGINEER.

**STREET TURNOUT:**  
 STREET RETURNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 848.04 USING THE RADII 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.

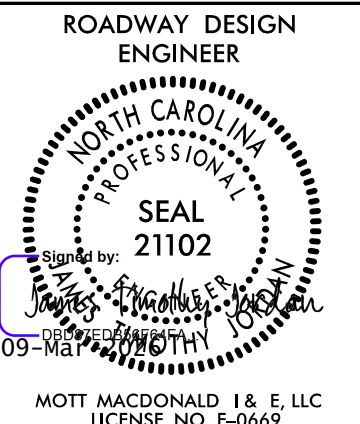

**TEMPORARY SHORING:**  
 SHORING REQUIRED FOR THE MAINTENANCE OF TRAFFIC NOT SHOWN ON THE PLANS WILL BE PAID FOR AT THE CONTRACT PRICE FOR "TEMPORARY SHORING".

**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.

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

## LIST OF ROADWAY STANDARD DRAWINGS

STD.NO.	TITLE	EFF. 08-11-2025 REV. 11-26-2025
2024 ROADWAY ENGLISH STANDARD DRAWINGS		
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:		
<b>DIVISION 2 - EARTHWORK</b>		
200.02	Method of Clearing - Method II	
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	
<b>DIVISION 3 - PIPE CULVERTS</b>		
300.01	Method of Pipe Installation (Use Detail in Lieu of Standard for Sheets 1 and 2 of 2)	
310.10	Driveway Pipe Construction	
<b>DIVISION 4 - MAJOR STRUCTURES</b>		
423.03	Bridge Approach Fills - Type 2 Approach Fill for Bridge Abutment with MSE Wall	
423.04	Bridge Approach Fills - Type 2A Alternate Approach Fill for Intergral Bridge Abutment with MSE Wall	
<b>DIVISION 5 - SUBGRADE, BASES AND SHOULDERS</b>		
560.01	Method of Shoulder Construction - High Side of Superelevated Curve - Method I	
<b>DIVISION 6 - ASPHALT BASES AND PAVEMENTS</b>		
610.04	Guide for Paving Shoulder Under Bridges - Method IV (Use Details in Lieu of Standards for Sheet 1 of 1)	
665.01	Asphalt Shoulders - Milled Rumble Strips	
665.02	Limits for Asphalt Shoulders - Milled Rumble Strips	
<b>DIVISION 8 - INCIDENTALS</b>		
806.03	Concrete Control of Access Marker	
815.02	Subsurface Drain	
816.01	Concrete Pads - for Shoulder Drain Installation (Use Detail in Lieu of Standard for Sheet 1 of 2)	
816.02	Aggregate Shoulder Drain	
816.04	Markers for Drainage Structure and Concrete Pad	
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	
838.80	Precast Endwalls - 12" thru 72" 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	
840.17	Concrete Grated Drop Inlet Type 'A' - 12" thru 72" Pipe	
840.18	Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe	
840.20	Frames and Wide Slot Flat Grates	
840.22	Frames and Wide 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	
840.35	Traffic Bearing Grated Drop Inlet - for Cast Iron Double Frame and Grates	
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	
848.04	Street Turnout	
850.01	Concrete Paved Ditches	
852.01	Concrete Islands	
852.06	Method for Placement of Drop Inlets in Concrete Islands	
854.06	Median Hazard Protection	
857.01	Precast Reinforced Concrete Barrier - 41" Single Faced	
862.01	Guardrail Placement (Use Detail in Lieu of Standard for Sheets 4, 6, 11, 12, and 14 of 15)	
862.02	Guardrail Installation (Use Detail in Lieu of Standard for Sheet 5 of 9)	
862.03	Structure Anchor Units (Use Detail in Lieu of Standard for Sheets 6 and 8 of 9)	
862.04	Anchoring End of Guardrail - for B-77 and B-83 Anchor Units	
865.01	Cable Guiderail	
866.02	Woven Wire Fence - with Wood Post	
876.01	Rip Rap in Channels and Ditches	
876.02	Guide for Rip Rap at Pipe Outlets	

PROJECT REFERENCE BP7.R001	SHEET NO. 1A
ROADWAY DESIGN ENGINEER 	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	
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## INDEX OF SHEETS

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2B-3	MILLING DETAIL
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W-1 THRU W-4	WALL PLANS