PROJECT REFERENCE NO. SHEET NO. 1-5898

ROADWAY DESIGN ENGINEER Signed by: 046062 11/7/2025

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

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## GENERAL NOTES

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

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. 848.03 AT LOCATIONS SHOWN ON PLANS OR AS 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.

UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE DUKE ENERGY (POWER), BRIGHTSPEED (COMM), CHARTER (COMM), AND THE TOWN OF MAYODAN (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 OTHERS,

CURB RAMPS

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

## STANDARD DRAWINGS

EFF. 01-16-2024 REV.

2024 ROADWAY ENGLISH STANDARD DRAWINGS

TITLE

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

DIVISION 2 - EARTHWORK 200.02 Method of Clearing - Method II 225.01 Guide for Grading Subgrade - Interstate and Freeway 225.02 Guide for Grading Subgrade - Secondary and Local 225.04 Method of Obtaining Superelevation - Two Lane Pavement DIVISION 3 - PIPE CULVERTS

STD.NO.

300.01 Method of Pipe Installation (Use Details in Lieu of Standards for Sheets Land 2 of 2)

310.10 Driveway Pipe Construction DIVISION 4 - MAJOR STRUCTURES

423.03 Bridge Approach Fills - Type 2 Approach Fill for Bridge Abutment with MSE Wall

DIVISION 5 - SUBGRADE, BASES AND SHOULDERS

560.01 Method of Shoulder Construction - High Side of Superelevated Curve - Method I

DIVISION 8 - INCIDENTALS

838.01 Concrete Endwallfor Single and Double Pipe Culverts - 15" thru 48" Pipe 90 Skew

Brick Endwallfor Single and Double Pipe Culverts - 15" thru 48" Pipe 90 Skew Concrete Base Pad for Drainage Structures

840.01 Brick Catch Basin - 12" thru 54" Pipe Concrete Catch Basin - 12" thru 54" Pipe

Frame, Grates and Hood - for Use on Standard Catch Basin

Brick Drop Inlet - 12" thru 30" Pipe

Drop Inlet Frame and Grates - for use with Std. Dwg 840.14 and 840.15

Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe

Frames and Wide Slot Flat Grates

840.22 Frames and Wide Slot Sag Grates 840.25 Anchorage for Frames - Brick or Concrete or Precast

840.27 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

840.35 Traffic Bearing Grated Drop Inlet - for Cast Iron Double Frame and Grates 840.45 Precast Drainage Structure

840.46 Traffic Bearing Precast Drainage Structure

840.51 Brick Manhole - 12" thru 36" Pipe 840.54 Manhole Frame and Cover

840.66 Drainage Structure Steps

846.01 Concrete Curb, Gutter and Curb & Gutter 846.04 Drop Inlet Installation in Shoulder Berm Gutter

848.03 Driveway Turnout - Drop Curb Type

848.06 Curb Ramp (Use Details in Lieu of Standards for Sheet 9 of 13)

852.01 Concrete Islands

852.06 Method for Placement of Drop Inlets in Concrete Islands 854.07 Single Slope Concrete Barrier

862.01 Guardrail Placement (Use Details in Lieu of Standards for Sheets 4, 6, and 12)

862.02 GuardrailInstallation (Use Detailin Lieu of Standards for Sheet 5)

862.03 Structure Anchor Units

862.04 Anchoring End of Guardrail- for B-77 and B-83 Anchor Units

866.01 Chain Link Fence - 4', 5' and 6' High Fence

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 876.04 Drainage Ditches with Class 'B' Rip Rap

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X-1A

X-2 THRU X-67

S-1 THRU S-39

W-1 THRU W-5