STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

INDEX OF SHEETS, GENERAL NOTES AND 2024 ROADWAY ENGLISH STANDARD DRAWINGS

B-4838 /A ROADWAY DESIGN ENGINEER SEAL 049634

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INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS

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STRUCTURE STANDARD NOTES

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EFF. 01-16-2024

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:

TITLE

DIVISION 2 – EARTHWORK

STD.NO.

Method of Clearing – Method III

Guide for Grading Subgrade – Secondary and Local

Method of Obtaining Superelevation – Two Lane Pavement

DIVISION 3 – PIPE CULVERTS

300.01 Method of Pipe Installation (Use Details in Lieu of Standards for Sheets 1 and 2 of 2)

310.10 Driveway Pipe Construction

DIVISION 4 - MAJOR STRUCTURES

Bridge Approach Fills – Type 1 Approach Fill for Bridge Abutment

DIVISION 5 - SUBGRADE, BASES AND SHOULDERS

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

DIVISION 6 - ASPHALT BASES AND PAVEMENTS

654.01 Pavement Repairs

DIVISION 8 - INCIDENTALS

Subsurface Drain

Concrete Base Pad for Drainage Structures

Brick Catch Basin - 12" thru 54" Pipe

Concrete Catch Basin – 12" thru 54" Pipe

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

Concrete Drop Inlet – 12" thru 30" Pipe

Brick Drop Inlet - 12" thru 30" Pipe

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

Frames and Narrow Slot Sag Grates

Anchorage for Frames – Brick or Concrete or Precast

Traffic Bearing Junction Box – for Use with Pipes 42" and Under

Traffic Bearing Grated Drop Inlet – for Cast Iron Double Frame and Grates

Precast Drainage Structure

Traffic Bearing Precast Drainage Structure

Concrete Curb, Gutter and Curb & Gutter

Manhole Frame and Cover

Drainage Structure Steps

Concrete Sidewalk (Use Detail in Lieu of Standard for Sheet 1 of 1)

Driveway Turnout – Radius Type

Street Turnout

Curb Ramp (Use Details in Lieu of Standards for Sheets 9 and 10 of 13)

Concrete Islands

Method for Placement of Drop Inlets in Concrete Islands

Double Faced Concrete Barrier – Types T, T1 and T2

Precast Reinforced Concrete Barrier – 41" Single Faced

Guardrail Placement (Use Details in Lieu of Standards for Sheets 4, 6, 12, and 14 of 15)

Guardrail Installation (Use Detail in Lieu of Standard for Sheet 5 of 9)

Structure Anchor Units (Use Detail in Lieu of Standards for Sheet 6 and 8 of 9)

876.02 Guide for Rip Rap at Pipe Outlets

GENERAL NOTES:

2024 SPECIFICATIONS EFFECTIVE: 01–16–2024 **REVISED:**

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT REFERENCE NO.

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. 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 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' RADII OR RADII AS 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 RADII NOTED ON PLANS.

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, CHARTER, AT&T, CONTERRA, PNG, AND CITY OF GOLDSBORO.

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