# INDEX OF SHEETS SHEET NUMBER SHEET TITLE SHEET 1 A INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS 1 B CONVENTIONAL SYMBOLS PAVEMENT SCHEDULE AND TYPICAL SECTIONS 2A-1 2C-1 DETAIL FOR GUARDRAIL AT-1 END UNIT 2C-2 DETAIL FOR GUARDRAIL SYSTEM PARTS 2C-3 DETAIL FOR GUARDRAIL ANCHOR UNIT, TYPE III 3B-1 SUMMARIES OF EARTHWORK, PAVEMENT REMOVAL, SHOULDER BERM GUTTER, AND GUARDRAIL 3D-1 DRAINAGE SUMMARY 3G-1 GEOTECHNICAL SUMMARIES PLAN SHEET PROFILE SHEET 5 RIGHT-OF-WAY PLANS RWO1 THRU RWO4 TMP-1 THRU TMP-3 TRAFFIC MANAGEMENT PLANS PMP-1 THRU PMP-2 PAVEMENT MARKING PLANS EC-1 THRU EC-5 EROSION CONTROL PLANS UO-1 THRU UO-2 UTILITIES BY OTHERS PLANS CROSS-SECTION SUMMARY SHEET Х-О X-1 THRU X-12 CROSS-SECTIONS S-1 THRU S-14 STRUCTURE PLANS

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GENERAL NOTES:

2018 SPECIFICATIONS EFFECTIVE: 01-16-2018 REVISED:

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.

# 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 WILL BE PAID FOR AS "EXTRA WORK" IN ACCORDANCE WITH SECTION 104-7.

#### 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 AND WILKES COMMUNICATION.

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS.

### RIGHT-OF-WAY MARKERS:

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

PROJECT REFERENCE NO. SHEET NO. BR-0108 IA ms consultants, inc. ROADWAY DESIGN 5444 Wade Park Blvd. ENGINEER Suite 160 Raleigh, NC 27607 NC License Number : C-3239 FESS/0 SEAL 041453 M Jravis Potts **DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED** EFF. 01-16-2018 2018 ROADWAY ENGLISH STANDARD DRAWINGS REV. ay Standards as appear in "Roadway Standard Drawings" Highway Design Branch -N. Transportation - Raleigh, N. C., Dated January, 2018 are applicable to this ence hereby are considered a part of these plans: pr TITLE ST DIVISION 2 - FARTHWORK Clearing - Method III Grading Subgrade - Secondary and Local Obtaining Superelevation - Two Lane Pavement \_VERTS Pipe Installation ipe Construction TRUCTURES roach Fills - Type II Modified Approach Fill E, BASES AND SHOULDERS Shoulder Construction - High Side of Superelevated Curve - Method I BASES AND PAVEMENTS Repairs TALS e Drain Indwall for Single and Double Pipe Culverts - 15" thru 48" Pipe 90 Skew vall for Single and Double Pipe Culverts - 15" thru 48" Pipe 90 Skew dwalls - 12" thru 72" Pipe 90 Skew Base Pad for Drainage Structures ben Throat Catch Basin - 12" thru 48" Pipe Throat Catch Basin - 12" thru 48" Pipe for Frames - Brick or Concrete or Precast Narrow Slot Flat Grates earing Grated Drop Inlet - for Cast Iron Double Frame and Grates ainage Structure earing Precast Drainage Structure structure Steps Curb, Gutter and Curb & Gutter Installation in Shoulder Berm Gutter Placement Installation (Special Detail for Sheet 6 of 8) Anchor Units n Channels Rip Rap at Pipe Outlets 876.04 Drainage Ditches with Class 'B' Rip Rap

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