EFF. 01-15-02

REV.04-07-04

NCE NO. SHEET NO.

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## ROADWAY DESIGN ENGINEER CHARLES TO A SEAL A SHALL AND A SHALL AN

## STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

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STRUCTURE PLANS

CROSS-SECTION SUMMARY OF EARTHWORK

GENERAL NOTES: 2002 SPECIFICATIONS EFFECTIVE: 01-15-02

GRADE LINE:

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:

SHOULDER CONSTRUCTION ON HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01. THE ALGEBRAIC DIFFERENCE, OF FINSHED GRADE SHOULDER SLOPES AND SUBGRADE SHOULDER SLOPES ON NORMAL CROWN SECTIONS, SHALL BE MAINTAINED THROUGH SUPERELEVATED SECTIONS OF THE ROADWAY (THIS WILL MAKE SUPERELEVATED AND TANGENT PAVED SHOULDER DEPTHS CONSISTENT).

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.

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 MATERIALS.

TEMPORARY SHORING:

SHORING REQUIRED FOR THE MAINTENANCE OF TRAFFIC WILL BE PAID FOR AS "EXTRA WORK" IN ACCORDANCE WITH SECTION 104-7.

SUBSURFACE PLANS:

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

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 :

POWER - PROGRESS ENERGY

TELEPHONE - BELLSOUTH

WATER - TOWN OF WAYNESVILLE

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.

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 Januarary 15, 2002 are applicable to this project and by reference hereby are considered a part of these plans:

TITLE

STD.NO.

820.04

Method of Clearing - Method II

225.02 Guide for Grading Subgrade - Secondary and Local

Method of Obtaining Superelevation - Two Lane Pavement

300.01 Method of Pipe Installation - Method 'A' 310.10 Driveway Pipe Construction

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

Concrete Base Pad for Drainage Structures

Concrete Median Drop Inlet Type 'D' - 12" thru 36" Pipe

Anchorage for Frames - Brick or Concrete

Brick Median Drop Inlet Type 'D' - 12" thru 36" Pipe

R40.29 Frames and Narrow Slot Flat Grates

Precast Drainage Structure

Drain Installation in Shoulder Berm Gutter

846.01 Concrete Curb, Gutter and Curb & Gutter 862.01 Guardrail Placement

876.02 Guide for Rip Rap at Pipe Outlets

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