



C200823 (U-620)
CUMBERLAND COUNTY

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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 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 AND EARTH SHOULDER CONSTRUCTION ON 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.

BERM DITCHES:
BERM DITCHES SHALL BE CONSTRUCTED IN ACCORDANCE WITH **STD. NO. 240.01** AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

DRIVEWAYS:
DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DETAILS IN PLANS AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

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 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:

U/G FO TELEPHONE CABLE, U/G TELEPHONE CABLE
WATER LINE, SEWER LINE, GAS LINE, POWER LINE,
CABLE TV, UNKNOWN UTILITIES IN VARIOUS PLACES

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 CONTRACT.

WHEELCHAIR RAMPS:
WHEELCHAIR RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. THE CONSTRUCTION OF ALL WHEELCHAIR RAMPS SHALL BE IN ACCORDANCE WITH DETAILS IN PLANS.

EFF. 01-15-02

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

STD.NO.	TITLE	DIVISION 2 - EARTHWORK
200.03	Method of Clearing - Method III	
225.02	Guide for Grading Subgrade - Secondary and Local	
225.04	Method of Obtaining Superelevation - Two Lane Pavement	
240.01	Guide for Berm Ditch Construction	
		DIVISION 3 - PIPE CULVERTS
300.01	Method of Pipe Installation - Method 'A'	
300.02	Method of Pipe Installation - Method 'B'	
310.10	Driveway Pipe Construction	
		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
806.01	Concrete Right-of-Way Marker	
806.02	Granite Right-of-Way Marker	
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	
838.39	Reinforced Concrete Endwall - for Single 72" Pipe 90° Skew	
838.40	Reinforced Concrete Endwall - for Double and Triple 72" Pipes 90° Skew	
838.45	Notes for Reinforced Concrete Endwall - Std. Dwg.s 838.21 thru 838.40	
838.69	Reinforced Brick Endwall - for Single 72" Pipe 90° Skew	
838.70	Reinforced Brick Endwall - for Double and Triple 72" Pipes 90° Skew	
838.75	Notes for Reinforced Brick Endwall - Std. Dwg.s 838.51 thru 838.70	
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	
840.04	Concrete Catch Basin with Single and Multiple Pipes - 12" thru 48" Pipe	
840.05	Brick Catch Basin with Single and Multiple Pipes - 12" thru 48" Pipe (Detail Included)	
840.14	Concrete Drop Inlet - 12" thru 30" Pipe	
840.15	Brick Drop Inlet - 12" thru 30" Pipe	
840.16	Drop Inlet Frame and Grates - for use with Std. Dwg.s 840.14 and 840.15	
840.24	Frames and Narrow Slot Sag Grates	
840.25	Anchorage for Frames - Brick or Concrete	
840.31	Concrete Junction Box - 12" thru 66" Pipe	
840.32	Brick Junction Box - 12" thru 66" Pipe	
840.34	Traffic Bearing Junction Box - for Use with Pipes 42" and Under	
840.35	Traffic Bearing Drop Inlet - for Cast Iron Double Frame and Grates	
840.66	Drainage Structure Steps	
840.71	Concrete and Brick Pipe Plug	
840.72	Pipe Collar	
846.01	Concrete Curb, Gutter and Curb & Gutter	
848.01	Concrete Sidewalk	
848.04	Street Turnout	
850.10	Guide for Berm Drainage Outlet - 15" and 18" Pipe	
852.01	Concrete Islands	
852.04	Method for Placement of Drop Inlets in Grassed Median - Using 1'-6" Curb and Gutter	
852.05	Median Curb for Catch Basin - for Use with 1'-6" Curb and Gutter	
852.06	Method for Placement of Drop Inlets in Concrete Islands	
862.01	Guardrail Placement	
866.01	Chain Link Fence - 4', 5' and 6' High Fence	
876.01	Rip Rap in Channels	
876.02	Guide for Rip Rap at Pipe Outlets	
876.04	Drainage Ditches with Class 'B' Rip Rap	
1634.01	Temporary Rock Sediment Dam Type 'A'	

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