

C200809 (R-2911A)
IREDELL COUNTY

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GENERAL NOTES: 2002 SPECIFICATIONS
EFFECTIVE: 01-15-02
REVISED: 05-14-03

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.
THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE AREAS IN THE PLANS DESIGNATED "SAFETY CLEARING". THE LIMITS ARE AS SHOWN AND THE CLEARING AND GRUBBING IS CONSIDERED A PART OF THE LUMP SUM ITEM FOR "CLEARING AND GRUBBING".

SUPERELEVATION:
ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.04 AND 225.05 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 AND 560.02.

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.

UNDERDRAINS:
UNDERDRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 815.03 AT LOCATIONS DIRECTED BY THE ENGINEER.

DRIVEWAYS:
DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 848.03 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.

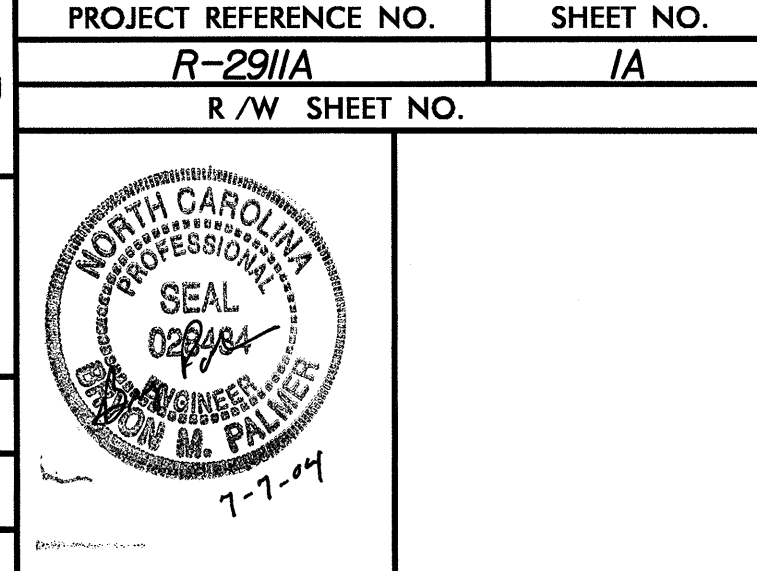
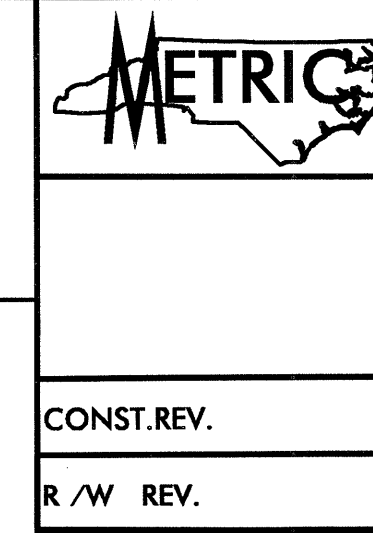
TEMPORARY SHORING:
SHORING REQUIRED FOR THE MAINTENANCE OF TRAFFIC WILL BE PAID FOR AS "EXTRA WORK" IN ACCORDANCE WITH SECTION 104-7.

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 CITY OF STATESVILLE.
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.

WHEELCHAIR RAMPS:
WHEELCHAIR RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. THE CONSTRUCTION OF ALL WHEELCHAIR RAMPS SHALL BE IN ACCORDANCE WITH STD. NO. 848.05.



EFF. 01-15-02

ROADWAY METRIC 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	
225.01	Guide for Grading Subgrade - Interstate and Freeway	840.28 Brick Median Drop Inlet Type 'D' - 300mm thru 900mm Pipe
225.02	Guide for Grading Subgrade - Secondary and Local	840.31 Concrete Junction Box - 300mm thru 1650mm Pipe
225.04	Method of Obtaining Superelevation - Two Lane Pavement	840.32 Brick Junction Box - 300mm thru 1650mm Pipe
225.05	Method of Obtaining Superelevation - Divided Highways	840.34 Traffic Bearing Junction Box - for Use with Pipes 1050mm and Under
225.06	Method of Grading Sight Distance at Intersections	840.45 Precast Drainage Structure
240.01	Guide for Berm Ditch Construction	840.46 Traffic Bearing Precast Drainage Structure
DIVISION 3 - PIPE CULVERTS		
300.01	Method of Pipe Installation - Method 'A'	840.66 Drainage Structure Steps
300.02	Method of Pipe Installation - Method 'B'	840.71 Concrete and Brick Pipe Plug
310.10	Driveway Pipe Construction	840.72 Pipe Collar
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS		
560.01	Method of Shoulder Construction - High Side of Superelevated Curve - Method I	846.01 Concrete Curb, Gutter and Curb & Gutter
560.02	Method of Shoulder Construction - High Side of Superelevated Curve - Method II	848.04 Street Turnout
DIVISION 6 - ASPHALT BASES AND PAVEMENTS		
610.03	Guide for Paving Shoulders Under Bridges - Method III	848.05 Wheelchair Ramp - Curb Cut
654.01	Pavement Repairs	850.10 Guide for Berm Drainage Outlet - 400mm and 450mm Pipe
DIVISION 8 - INCIDENTALS		
815.03	Pipe Underdrain and Blind Drain	852.01 Concrete Islands
820.04	Drain Installation in Shoulder Berm Gutter	852.05 Median Curb for Catch Basin - for Use with 450mm Curb and Gutter
838.01	Conc. Endwall for Single and Double Pipe Culverts - 375mm thru 1200mm Pipe 90° Skew	852.06 Method for Placement of Drop Inlets in Concrete Islands
838.11	Brick Endwall for Single and Double Pipe Culverts - 375mm thru 1200mm Pipe 90° Skew	852.10 Median Construction - with Curb and Gutter
838.21	Reinforced Concrete Endwall - for Single 1350mm/1400mm Pipe 90° Skew	862.01 Guardrail Placement
838.27	Reinforced Concrete Endwall - for Single 1500mm Pipe 90° Skew	862.03 Structure Anchor Units
838.33	Reinforced Concrete Endwall - for Single 1650mm Pipe 90° Skew	866.02 Woven Wire Fence - with Wood Post
838.39	Reinforced Concrete Endwall - for Single 1800mm Pipe 90° Skew	876.01 Rip Rap in Channels
838.45	Notes for Reinforced Concrete Endwall - Std. Dwg.s 838.21 thru 838.40	876.02 Guide for Rip Rap at Pipe Outlets
838.51	Reinforced Brick Endwall - for Single 1350mm/1400mm Pipe 90° Skew	876.04 Drainage Ditches with Class 'B' Rip Rap
838.57	Reinforced Brick Endwall - for Single 1500mm Pipe 90° Skew	
838.63	Reinforced Brick Endwall - for Single 1650mm Pipe 90° Skew	
838.69	Reinforced Brick Endwall - for Single 1800mm Pipe 90° Skew	
838.75	Notes for Reinforced Brick Endwall - Std. Dwg.s 838.51 thru 838.70	
838.80	Precast Endwalls - 300mm thru 1800mm Pipe 90° Skew	
840.00	Concrete Base Pad for Drainage Structures	
840.01	Brick Catch Basin - 300mm thru 1350mm Pipe	
840.02	Concrete Catch Basin - 300mm thru 1350mm Pipe	
840.03	Frame, Grates and Hood - for Use on Standard Catch Basin	
840.14	Concrete Drop Inlet - 300mm thru 750mm Pipe	
840.15	Brick Drop Inlet - 300mm thru 750mm Pipe	
840.16	Drop Inlet Frame and Grates - for use with Std. Dwg.s 840.14 and 840.15	
840.17	Concrete Median Drop Inlet Type 'A' - 300mm thru 1800mm Pipe	
840.18	Concrete Median Drop Inlet Type 'B' - 300mm thru 900mm Pipe	
840.19	Concrete Median Drop Inlet Type 'D' - 300mm thru 900mm Pipe	
840.20	Frames and Wide Slot Flat Grates	
840.22	Frames and Wide Slot Sag Grates	
840.24	Frames and Narrow Slot Sag Grates	
840.25	Anchorage for Frames - Brick or Concrete	
840.26	Brick Median Drop Inlet Type 'A' - 300mm thru 1800mm Pipe	
840.27	Brick Median Drop Inlet Type 'B' - 300mm thru 900mm Pipe	