

8/17/99

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GENERAL NOTES

GENERAL NOTES: 2018 SPECIFICATIONS
EFFECTIVE: 01-16-2018
REVISED:

GRADE LINE:
GRADING AND SURFACING:
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 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:
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.

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.

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 NOT SHOWN ON THE PLANS WILL BE PAID FOR AT THE CONTRACT PRICE FOR "TEMPORARY SHORING".

UTILITIES:
UTILITY OWNERS ON THIS PROJECT ARE DUKE ENERGY, FRONTIER, & ZITO MEDIA. 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.

ROCK
ROCK IS ANTICIPATED BETWEEN -L- 255+00 TO 261+00, -L- 264+75 TO 262+25, -L- 285+25 TO 285+75, -L- 294+75 TO 295+25, -L- 314+75 TO 315+25, -L- 344+00 TO 344+50, -L- 355+25 TO 355+75, -L- 357+25 TO 357+75, -L- 359+75 TO 362+50, -L- 364+00 TO 367+50, -L- 371+00 TO 374+50, -L- 380+50 TO 384+00, -L- 395+00 TO 396+00, -L- 402+00 TO 403+00, & -L- 406+75 TO 407+75.
BLASTING MAY BE REQUIRED FOR EXCAVATION ON THE PROJECT. SEE SECTION 220 OF THE STANDARD SPECIFICATIONS AND IF APPLICABLE, ROCK BLASTING PROVISION.

The Contractor should be advised that any clearing within the Permanent Easement (PE) along USFS property shall adhere to the agreement between NCDOT and the USFS. The Contractor is to coordinate with the Resident Engineer and Division Environmental Officer prior to starting clearing operations to ensure compliance. See Plan Sheets 29 thru 34.

 TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	PROJECT REFERENCE NO. <i>A-0009CB</i>	SHEET NO. <i>1A</i>
		
<h2>STANDARD DRAWINGS</h2> <p>EFF. 01-16-2018 REV.</p>		
2018 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, 2018 are applicable to this project and by reference hereby are considered a part of these plans:		
STD. NO.	TITLE	
DIVISION 2 - EARTHWORK		
200.02	Method of Clearing - Method II	
225.02	Guide for Grading Subgrade - Secondary and Local	
225.03	Deceleration and Acceleration Lanes	
225.04	Method of Obtaining Superlevation - Two Lane Pavement	
225.06	Method of Grading Sight Distance at Intersections	
240.01	Guide for Berm Ditch Construction	
DIVISION 3 - PIPE CULVERTS		
300.01	Method of Pipe Installation	
310.10	Driveway Pipe Construction	
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS		
560.01	Method of Shoulder Construction - High Side of Superelevated Curve - Method I	
560.02	Method of Shoulder Construction - High Side of Superelevated Curve - Method II	
DIVISION 6 - ASPHALT BASES AND PAVEMENTS		
610.04	Guide for Paving Shoulders Under Bridges - Method IV	
654.01	Pavement Repairs	
DIVISION 8 - INCIDENTALS		
815.02	Subsurface Drain	
838.01	Concrete Endwall for Single and Double Pipe Culverts - 15" thru 48" Pipe 90 Skew	
838.04	Conc. Endwall for Single & Double Pipe Culvert - 17"x13" thru 71"x47" Arch 90 Skew	
838.11	Brick Endwall for Single and Double Pipe Culverts - 15" thru 48" Pipe 90 Skew	
838.14	Brick Endwall for Single & Double Pipe Culverts - 17"x13" thru 71"x47" Arch 90 Skew	
840.00	Concrete Base Pad for Drainage Structures	
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 840.14 and 840.15	
840.17	Concrete Grated Drop Inlet Type 'A' - 12" thru 72" Pipe	
840.18	Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe	
840.19	Concrete Grated Drop Inlet Type 'D' - 12" thru 36" Pipe	
840.20	Frames and Wide Slot Flat Grates	
840.22	Frames and Wide Slot Sag Grates	
840.26	Brick Grated Drop Inlet Type 'A' - 12" thru 72" Pipe	
840.27	Brick Grated Drop Inlet Type 'B' - 12" thru 36" Pipe	
840.28	Brick Grated Drop Inlet Type 'D' - 12" thru 36" Pipe	
840.29	Frames and Narrow Slot Flat Grates	
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 Grated Drop Inlet - for Cast Iron Double Frame and Grates	
840.41	Spring Box - Concrete or Brick	
840.45	Precast Drainage Structure	
840.46	Traffic Bearing Precast Drainage Structure	
840.52	Precast Manhole - 4', 5' and 6' Diameter	
840.54	Manhole Frame and Cover	
840.66	Drainage Structure Steps	
840.72	Pipe Collar	
846.01	Concrete Curb, Gutter and Curb & Gutter	
846.02	Drop Inlet Installation in Expressway Gutter	
846.04	Drop Inlet Installation in Shoulder Berm Gutter	
850.01	Concrete Paved Ditches	
850.10	Guide for Berm Drainage Outlet - 15" and 18" Pipe	
850.11	Guide for Berm Drainage Outlet - 24" and 30" Pipe	
852.01	Concrete Islands	
854.02	Double Faced Concrete Barrier - Types 'T', 'T1' and 'T2'	
857.01	Precast Reinforced Concrete Barrier - 41" Single Faced	
862.01	Guardrail Placement	
862.02	Guardrail Installation	
862.03	Structure Anchor Units	
862.04	Anchoring End of Guardrail - B-77 and B-83 Anchor Units	
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	

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