

8/17/99

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8/17/2009
JL

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 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.

SUBSURFACE DRAINS:
SUBSURFACE DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 815.02 AT LOCATIONS DIRECTED BY THE ENGINEER.

DRIVEWAYS:
DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. 848.02 USING 3 FOOT RADII OR RADII AS SHOWN ON THE PLANS. LOCATIONS OF DRIVES WILL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

STANDARD DRAWINGS

EFF. 01-16-2018
REV.

2018 ROADWAY ENGLISH STANDARD DRAWINGS

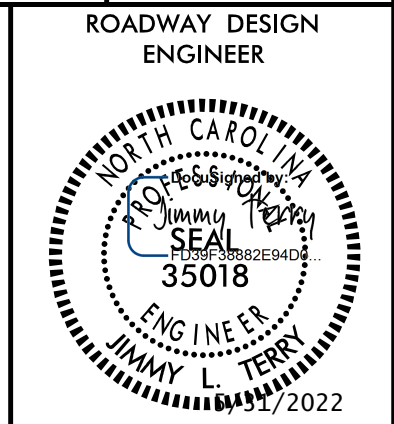
The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated January, 2018 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO.	TITLE	STD.NO.	TITLE
DIVISION 2 - EARTHWORK			
200.02	Method of Clearing - Method II	840.20	Frames and Wide Slot Flat Grates
225.02	Guide for Grading Subgrade - Secondary and Local	840.22	Frames and Wide Slot Sag Grates
225.03	Deceleration and Acceleration Lanes	840.24	Frames and Narrow Slot Sag Grates
225.04	Method of Obtaining Superlevation - Two Lane Pavement	840.25	Anchorage for Frames - Brick or Concrete or Precast
225.06	Method of Grading Sight Distance at Intersections	840.26	Brick Grated Drop Inlet Type 'A' - 12" thru 72" Pipe
240.01	Guide for Berm Ditch Construction	840.27	Brick Grated Drop Inlet Type 'B' - 12" thru 36" Pipe
DIVISION 3 - PIPE CULVERTS			
300.01	Method of Pipe Installation	840.29	Frames and Narrow Slot Flat Grates
310.10	Driveway Pipe Construction	840.31	Concrete Junction Box - 12" thru 66" Pipe
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS			
560.01	Method of Shoulder Construction - High Side of Superelevated Curve - Method I	840.32	Brick Junction Box - 12" thru 66" Pipe
560.02	Method of Shoulder Construction - High Side of Superelevated Curve - Method II	840.34	Traffic Bearing Junction Box - for Use with Pipes 42" and Under
DIVISION 6 - ASPHALT BASES AND PAVEMENTS			
654.01	Pavement Repairs	840.35	Traffic Bearing Grated Drop Inlet - for Cast Iron Double Frame and Grates
DIVISION 8 - INCIDENTALS			
815.02	Subsurface Drain	840.41	Spring Box - Concrete or Brick
838.01	Concrete Endwall for Single and Double Pipe Culverts - 15" thru 48" Pipe 90 Skew	840.45	Precast Drainage Structure
838.11	Brick Endwall for Single and Double Pipe Culverts - 15" thru 48" Pipe 90 Skew	840.46	Traffic Bearing Precast Drainage Structure
840.00	Concrete Base Pad for Drainage Structures	840.54	Manhole Frame and Cover
840.01	Brick Catch Basin - 12" thru 54" Pipe	840.66	Drainage Structure Steps
840.02	Concrete Catch Basin - 12" thru 54" Pipe	840.71	Concrete and Brick Pipe Plug
840.03	Frame, Grates and Hood - for Use on Standard Catch Basin	840.72	Pipe Collar
840.04	Concrete Open Throat Catch Basin - 12" thru 48" Pipe	846.01	Concrete Curb, Gutter and Curb & Gutter
840.05	Brick Open Throat Catch Basin - 12" thru 48" Pipe	846.02	Drop Inlet Installation in Expressway Gutter
840.16	Drop Inlet Frame and Grates - for use with Std. Dwg 840.14 and 840.15	846.04	Drop Inlet Installation in Shoulder Berm Gutter
840.17	Concrete Grated Drop Inlet Type 'A' - 12" thru 72" Pipe	848.01	Concrete Sidewalk
840.18	Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe	848.02	Driveway Turnout - Radius Type
		848.04	Street Turnout
		848.05	Curb Ramp - Proposed Curb & 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
		852.06	Method for Placement of Drop Inlets in Concrete Islands
		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

PROJECT REFERENCE NO. A-0009CA	SHEET NO. 1A
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**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

TGS ENGINEERS
201 W. MARION ST., STE 200
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275



STREET TURNOUT:
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 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, TOWN OF ROBBINSVILLE (WATER & SEWER), BALSAM WEST, AND ZITO MEDIA
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.

CURB RAMPS
CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. CONSTRUCT ALL CURB RAMPS ACCORDANCE WITH STD 848.05 and/or 848.06.

ROCK
ROCK IS ANTICIPATED BETWEEN -L- STA 187+76 TO 191+21. BLASTING MAY BE REQUIRED FOR EXCAVATION ON THE PROJECT. SEE SECTION 220 OF THE STANDARD SPECIFICATIONS AND IF APPLICABLE, ROCK BLASTING PROVISION.