

8/17/99

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

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 MODIFIED METHOD III.

SUPERELEVATION:

ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.04 OR STD. NO. 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, 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.

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 RADIUS OR RADIUS AS SHOWN ON THE PLANS. LOCATIONS OF DRIVES WILL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

STREET TURNOUT:

STREET RETURNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 848.04 USING THE RADIUS 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".

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 WATER & SEWER - CITY OF SOUTHPORT, NEW BRUNSWICK COUNTY

POWER - DUKE ENERGY, BRUNSWICK EMC, CITY OF SOUTHPORT

TELECOMM & FIBER - AT&T, ATMC, TIME WARNER

GAS - PIEDMONT NATURAL GAS

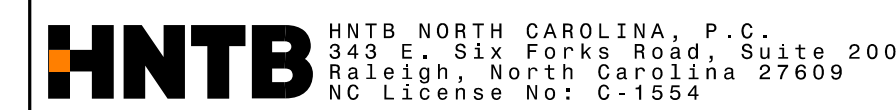
ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS, EXCEPT AS SHOWN ON THE PLANS.

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.



PROJECT REFERENCE NO. R-5021	SHEET NO. 1A
ROADWAY DESIGN ENGINEER	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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
 - 225.02 Guide for Grading Subgrade - Secondary and Local
 - 225.04 Method of Obtaining Superelevation - Two Lane Pavement
 - 225.05 Method of Obtaining Superelevation - Divided Highways
 - DIVISION 3 - PIPE CULVERTS
 - 300.01 Method of Pipe Installation
 - 310.10 Driveway Pipe Construction
 - DIVISION 4 - MAJOR STRUCTURES
 - 422.01 Bridge Approach Fills - Type I Standard Approach Fill
 - 422.03 Reinforced Bridge Approach Fills - Type A Alternate Approach Fill for Integral Abutment
 - 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
 - 610.01 Guide for Paving Shoulders Under Bridges - Method I
 - 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
 - 838.11 Brick Endwall for Single and Double Pipe Culverts - 15" thru 48" Pipe 90 Skew
 - 838.21 Reinforced Concrete Endwall - for Single 54" Pipe 90 Skew
 - 838.45 Notes for Reinforced Concrete Endwall - Std. Dwg 838.21 thru 838.40
 - 838.51 Reinforced Brick Endwall - for Single 54" Pipe 90 Skew
 - 838.80 Precast Endwalls - 12" thru 72" Pipe 90 Skew
 - 840.00 Concrete Base Pad for Drainage Structures
 - 840.01 Brick Catch Basin - 12" thru 54" Pipe
 - 840.02 Concrete Catch Basin - 12" thru 54" Pipe
 - 840.03 Frames, Grates and Hood - for Use on Standard Catch Basin
 - 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
 - 840.24 Frames and Narrow Slot Sag Grates
 - 840.25 Anchorage for Frames - Brick or Concrete or Precast
 - 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
 - 840.36 Traffic Bearing Grated Drop Inlet - for Steel (840.37) Double Frame and Grates
 - 840.37 Steel Grate and Frame
 - 840.45 Precast Drainage Structure
 - 840.46 Traffic Bearing Precast Drainage Structure
 - 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
 - 848.01 Concrete Sidewalk
 - 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
 - 852.02 Concrete Mountable Median - for Use with Rigid or Flexible Pavement
 - 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
 - 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
 - 866.02 Woven Wire Fence - with Wood Post
 - 866.03 Woven Wire Fence - with Steel Post
 - 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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