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## STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

## INDEX OF SHEETS, GENERAL NOTES AND 2018 ROADWAY ENGLISH STANDARD DRAWINGS

	EFF. 01-16-2018 REV.	
2018 ROA	DWAY ENGLISH STANDARD DRAWINGS	GENERAL NOTE
The foll Branch -	owing Roadway Standards as appear in "Roadway Standard Drawings" Highway Design	GRADING AND
N. C. De this pro	partment of Transportation - Raleigh, N. C., Dated January, 2018 are applicable to ject	
and by r	eference hereby are considered a part of these plans:	THE SUR
	TITLE 2 - EARTHWORK	ARE Alo Pla
200.02 225.01	Method of Clearing - Method II Guide for Grading Subgrade - Interstate and Freeway	PRO
225.02 225.04	Guide for Grading Subgrade – Secondary and Local Method of Obtaining Superelevation – Two Lane Pavement	CLEARING:
225.05	Method of Obtaining Superelevation - Divided Highways	CLE Met
225.06 225.09	Method of Grading Sight Distance at Intersections Guide for Shoulder and Ditch Transition at Grade Separations	SUPERELEVATI
DIVISION 300.01	3 - PIPE CULVERTS Method of Pipe Installation	ALL
310.10	Driveway Pipe Construction	STD RUN
DIVISION 560.02	5 - SUBGRADE, BASES AND SHOULDERS Method of Shoulder Construction - High Side of Superelevated Curve - Method II	POI
	6 – ASPHALT BASES AND PAVEMENTS	SHOULDER CON
610.04 654.01	Guide for Paving Shoulders Under Bridges – Method IV Pavement Repairs	ASP
665.01 Division	Asphalt Shoulders - Milled Rumble Strips 8 - INCIDENTALS	SUP
815.02	Subsurface Drain	SIDE ROADS:
838.01 838.11	Concrete Endwall for Single and Double Pipe Culverts – 15" thru 48" Pipe 90 Skew Brick Endwall for Single and Double Pipe Culverts – 15" thru 48" Pipe 90 Skew	THE SU I
838.80 840.00	Precast Endwalls - 12" thru 72" Pipe 90 Skew Concrete Base Pad for Drainage Structures	PRO PAR
840.01	Brick Catch Basin - 12" thru 54" Pipe	SUBSURFACE D
840.02 840.03	Concrete Catch Basin – 12″ thru 54″ Pipe Frame, Grates and Hood – for Use on Standard Catch Basin	SUB
840.14 840.15	Concrete Drop Inlet – 12" thru 30" Pipe Brick Drop Inlet – 12" thru 30" Pipe	LOC
840.16	Drop Inlet Frame and Grates - for use with Std. Dwg 840.14 and 840.15	DRIVEWAYS:
840.17 840.18	Concrete Grated Drop Inlet Type 'A' - 12" thru 72" Pipe Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe	DR I US I
840.19 840.20	Concrete Grated Drop Inlet Type 'D' – 12" thru 36" Pipe Frames and Wide Slot Flat Grates	WIL
840.22	Frames and Wide Slot Sag Grates	STREET TURNO
840.25 840.26	Anchorage for Frames - Brick or Concrete or Precast Brick Grated Drop Inlet Type 'A' - 12" thru 72" Pipe	STR The
840.27 840.28	Brick Grated Drop Inlet Type 'B' - 12" thru 36" Pipe Brick Grated Drop Inlet Type 'D' - 12" thru 36" Pipe	GUARDRAIL:
840.29	Frames and Narrow Slot Flat Grates	THE
840.31 840.32	Concrete Junction Box – 12" thru 66" Pipe Brick Junction Box – 12" thru 66" Pipe	CON
840.34 840.45	Traffic Bearing Junction Box – for Use with Pipes 42" and Under Precast Drainage Structure	WIT
840.46	Traffic Bearing Precast Drainage Structure	TEMPORARY SH
840.54 840.66	Manhole Frame and Cover Drainage Structure Steps	SHO WIL
840.72 846.01	Pipe Collar Concrete Curb, Gutter and Curb & Gutter	END BENTS:
846.04	Drop Inlet Installation in Shoulder Berm Gutter	THE
848.03 848.04	Driveway Turnout – Drop Curb Type Street Turnout	SEC APP
852.01	Concrete Islands	UTILITIES:
852.06 857.01	Method for Placement of Drop Inlets in Concrete Islands Precast Reinforced Concrete Barrier - 41″ Single Faced	UTI
862.01 862.02	Guardrail Placement Guardrail Installation	CIT
862.03	Structure Anchor Units	EXCE
862.04 865.01	Anchoring End of Guardrail – B-77 and B-83 Anchor Units Cable Guiderail	RIGHT-OF-WAY
876.01 876.02	Rip Rap in Channels Guide for Rip Rap at Pipe Outlets	ALL
876.04	Drainage Ditches with Class 'B' Rip Rap	



PROJECT REFERENCE NO.		SHEET NO.		
BR-004I/BR-0043		I/A		
ROADWAY DESIGN ENGINEER PRINCER PRINCER PRINCE PRINCE ENGLASSION FESSI				
DOCUMENT NOT C	5438 Wade			
UNLESS ALL SIGNATURES COMPLETED				

TES:

2018 SPECIFICATIONS EFFECTIVE: 01-16-2018 REVISED:

SURFACING:

HE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED JRFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. WHERE NO GRADE LINES RE SHOWN, THE PROFILES SHOWN DENOTE THE TOP ELEVATION OF THE EXISTING PAVEMEN ONG THE CENTER LINE OF SURVEY ON WHICH THE PROPOSED RESURFACING WILL BE ACED. GRADE LINES MAY BE ADJUSTED BY THE ENGINEER IN ORDER TO SECURE A ROPER TIE-IN.

\_EARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY ETHOD II.

FION:

L CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH FD, NO, 225,04 AND STD, NO, 225,05 USING THE RATE OF SUPERELEVATION AND JNOFF SHOWN ON THE PLANS. SUPERELEVATION IS TO BE REVOLVED ABOUT THE GRADE )INTS SHOWN ON THE TYPICAL SECTIONS.

DNSTRUCTION:

SPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF JPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD, NO, 560,02,

HE CONTRACTOR WILL BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE JITABLE CONNECTIONS WITH ALL ROADS, STREETS, AND DRIVES ENTERING THIS ROJECT, THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE ARTICULAR ITEMS INVOLVED.

DRAINS:

JBSURFACE DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 815.02 AT DCATIONS DIRECTED BY THE ENGINEER.

RIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. 848.02 SING 3 FOOT RADII OR RADII AS SHOWN ON THE PLANS, LOCATIONS OF DRIVES ILL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

NOUT:

FREET RETURNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD, NO, 848,04 USING HE RADII NOTED ON PLANS.

HE GUARDRAIL LOCATIONS SHOWN ON THE PLANS MAY BE ADJUSTED DURING DNSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT ITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL.

SHORING:

HORING REQUIRED FOR THE MAINTENANCE OF TRAFFIC NOT SHOWN ON THE PLANS ILL BE PAID FOR AT THE CONTRACT PRICE FOR "TEMPORARY SHORING".

HE ENGINEER SHALL CHECK THE STRUCTURE END BENT PLANS, DETAILS, AND CROSS-ECTION PRIOR TO SETTING OF THE SLOPE STAKES FOR THE EMBANKMENT OR EXCAVATION PROACHING A BRIDGE.

FILITY OWNERS ON THIS PROJECT ARE DUKE ENERGY, AT&T, ITY OF REIDSVILLE, PIEDMONT NATURAL GAS, MCNC, CHARTER COMMUNICATIONS. NY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS, CEPT AS SHOWN ON THE PLANS.

AY MARKERS:

LL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY OTHERS.