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GENERAL NOTES:

2002 SPECIFICATIONS EFFECTIVE: 01-15-02

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 III .

SUPERELEVATION:

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

SHOULDER CONSTRUCTION:

ASPHALT AND EARTH SHOULDER CONSTRUCTION ON HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01 OR 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. 848.02 USING 3'/900 MM RADII OR RADII AS SHOWN ON THE PLANS. LOCATIONS OF DRIVES WILL BE AS SHOWN ON THE PLANS OR AS 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 WILL BE PAID FOR AS "EXTRA WORK" IN ACCORDANCE WITH SECTION 104-7.

UTILITY OWNERS ON THIS PROJECT ARE:

TOWN OF CLEVELAND, SALISBURY-ROWAN UTILITIES DUKE POWER CO., BELLSOUTH TELECOMMUNICATIONS CO., TIME WARNER CABLE, PIEDMONT NATURAL GAS

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS, EXCEPT

RIGHT-OF-WAY MARKERS:

ALL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY CONTRACT.

WHEELCHAIR RAMPS:

WHEELCHAIR RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. THE CONSTRUCTION OF ALL WHEELCHAIR RAMPS SHALL BE IN ACCORDANCE WITH DETAILS IN PLANS.

EFF. 01-15-02

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 15, 2002 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO.

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
- 225.06 Method of Grading Sight Distance at Intersections
- 240.01 Guide for Berm Ditch Construction

200.03 Method of Clearing - Method III

DIVISION 3 - PIPE CULVERTS

- 300.02 Method of Pipe Installation Method 'B'
- 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

654.01 Pavement Repairs

DIVISION 8 - INCIDENTALS

- 806.01 Concrete Right-of-Way Marker
- 806.02 Granite Right-of-Way Marker
- 815.03 Pipe Underdrain and Blind Drain
- 816.04 Markers for Drainage Structure and Concrete Pad

610.01 Guide for Paving Shoulders Under Bridges - Method I

- 820.04 Drain Installation in Shoulder Berm Gutter
- 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
- 838.27 Reinforced Concrete Endwall for Single 60" Pipe 90° Skew
- 838.45 Notes for Reinforced Concrete Endwall Std. Dwg.s 838.21 thru 838.40
- 838.51 Reinforced Brick Endwall for Single 54" Pipe 90° Skew
- 838.57 Reinforced Brick Endwall for Single 60" Pipe 90° Skew
- 838.75 Notes for Reinforced Brick Endwall Std. Dwg.s 838.51 thru 838.70
- 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 Frame, Grates and Hood for Use on Standard Catch Basin
- 840.04 Concrete Catch Basin with Single and Multiple Pipes 12" thru 48" Pipe
- 840.05 Brick Catch Basin with Single and Multiple Pipes 12" thru 48" Pipe
- 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.s 840.14 and 840.15
- 840.17 Concrete Median Drop Inlet Type 'A' 12" thru 72" Pipe
- 840.18 Concrete Median Drop Inlet Type 'B' 12" thru 36" Pipe
- 840.19 Concrete Median Drop Inlet Type 'D' 12" thru 36" Pipe
- 840.24 Frames and Narrow Slot Sag Grates
- 840.25 Anchorage for Frames Brick or Concrete
- 840.26 Brick Median Drop Inlet Type 'A' 12" thru 72" Pipe
- 840.27 Brick Median Drop Inlet Type 'B' 12" thru 36" Pipe
- 840.28 Brick Median Drop Inlet Type 'D' 12" thru 36" Pipe
- 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

R-2911C	1A
RW SHEET N	O.
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
WILBUR SMITH ASSOCIATES P.O.BOX 2478 RALEIGH, NC 27601	SUNGATE DESIGN GROUP 915-A JONES FRANKLIN RD. RALEIGH, NC 27606

SHEET NO.

PROJECT REFERENCE NO.

- 840.37 Steel Grate and Frame
- 840.45 Precast Drainage Structure
- 840.46 Traffic Bearing Precast Drainage Structure
- 840.51 Brick Manhole 12" thru 36" Pipe
- 840.54 Manhole Frame and Cover
- 840.66 Drainage Structure Steps
- 840.71 Concrete and Brick Pipe Plug
- 840.72 Pipe Collar
- 846.01 Concrete Curb, Gutter and 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
- 852.04 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
- 852.10 Median Construction with Curb and Gutter
- 862.01 Guardrail Placement
- 866.02 Woven Wire Fence with Wood Post
- 866.04 Barbed Wire Fence with Wood Posts (2 7 Strands)
- 876.01 Rip Rap in Channels
- 876.02 Guide for Rip Rap at Pipe Outlets
- 876.03 Drainage Ditches with Class 'A' Rip Rap
- 876.04 Drainage Ditches with Class 'B' Rip Rap