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GENERAL NOTES:

2002 SPECIFICATIONS
 EFFECTIVE: 01-15-02
 REVISED: 05-14-03

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**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** 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 AND EARTH SHOULDER CONSTRUCTION ON THE 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 DETAILS IN PLANS AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

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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" OR "TEMPORARY SHORING-BARRIER SUPPORTED" DEPENDING UPON THE LOCATION OF THE SHORING.

SUBSURFACE PLANS:

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE:

BREMCO POWER EASEMENT

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.

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:

DIVISION 2- EARTHWORK

- 200.03 Method of Clearing - Method III
- 225.01 Guide for Grading Subgrade - Interstate and Freeway
- 225.04 Method of Obtaining Superlevation - Two Lane Pavement
- 240.01 Guide for Berm Ditch Construction

DIVISION 3- PIPE CULVERTS

- 300.01 Method of Pipe Installation - Method 'A'
- 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 PAVEMENT

- 654.01 Pavement Repairs
- 665.01 Milled Rumble Strips - Asphalt Pavements

DIVISION 8- INCIDENTALS

- 806.01 Concrete Right-of-Way Marker
- 806.02 Granite Right-of-Way Marker
- 815.03 Pipe Underdrain and Blind Drain
- 838.01 Concrete Endwall for Single and Double Pipe Culverts - 15" thru 48" Pipe 90 Skew
- 838.27 Reinforced Concrete Endwall - for Single 60" Pipe 90 Skew
- 838.39 Reinforced Concrete Endwall - for Single 72" Pipe 90 Skew
- 838.45 Notes for Reinforced Concrete Endwall - Std. Dwg 838.21 thru 838.40
- 838.52 Reinforced Brick Endwall - for Double and Triple 54" Pipes 90 Skew
- 838.57 Reinforced Brick Endwall - for Single 60" Pipe 90 Skew
- 838.58 Reinforced Brick Endwall - for Double and Triple 60" Pipes 90 Skew
- 838.63 Reinforced Brick Endwall - for Single 66" Pipe 90 Skew
- 838.64 Reinforced Brick Endwall - for Double and Triple 66" Pipes 90 Skew
- 838.69 Reinforced Brick Endwall - for Single 72" Pipe 90 Skew
- 838.70 Reinforced Brick Endwall - for Double and Triple 72" Pipes 90 Skew
- 840.02 Concrete Catch Basin - 12" thru 54" Pipe
- 840.03 Frame, Grates and Hood - for Use on Standard Catch Basin
- 840.14 Concrete 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 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
- 840.20 Frames and Wide Slot Flat Grates
- 840.22 Frames and Wide Slot Sag Grates
- 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
- 840.32 Brick Junction Box - 12" thru 66" Pipe
- 840.41 Spring Box - Concrete or Brick
- 840.46 Traffic Bearing Precast Drainage Structure
- 840.54 Manhole Frame and Cover
- 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
- 854.01 Double Faced Concrete Barrier - Types I, II, III and IV
- 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 (Beg. September 2003 Let Use Detail in Lieu of Standard)
- 862.03 Structure Anchor Units (Beg. July 2004 Let Use Detail in Lieu of Standard)
- 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

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