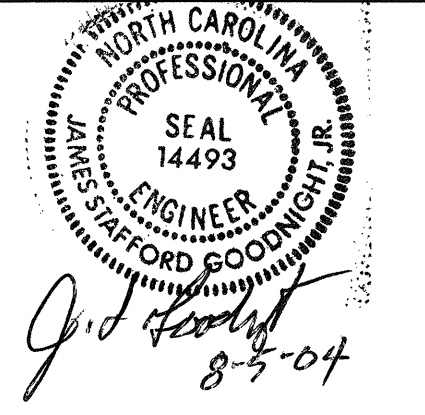


# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS INDEX OF SHEETS



C201009  
GUILFORD COUNTY

### INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1-A	INDEX OF SHEETS, LIST OF STANDARDS DRAWINGS, AND GENERAL NOTES
1-B	CONVENTIONAL SYMBOLS
1-C THRU 2-E	SURVEY CONTROL SHEETS
2 THRU 2-D	PAVEMENT SCHEDULE, WEDGING DETAILS AND TYPICAL SECTIONS
2-E & 2-F	DETAILS OF DITCHES, PREFORMED SCOUR HOLES, CROSS VANE ROCK WEIRS, STORMWATER RETENTION BASINS, ENERGY DISSIPATOR BASIN
2-G	DETAIL OF PROPOSED PAVEMENT REPAIR, UNDERCUT TYPICAL AND UNDERCUT AT GRADE POINT TYPICAL
2-H	DETAIL OF POLYMER LINE DRAIN
2-I	DETAIL OF PERMANENT ROCK SILK CHECK TYPE "B"
2-J THRU 2-M	DETAIL OF GUARDRAIL INSTALLATION
2-N THRU 2-Q	DETAIL OF PRECAST REINFORCED CONCRETE BARRIER
2-R	DETAIL OF GUARDRAIL ANCHOR UNIT TYPE B-77
2-T	DETAIL OF DRIVEWAY TURNOUT
2-U & 2-V	DETAIL OF WHEELCHAIR RAMP
2-W & 2-X	DETAIL OF REINFORCED APPROACH FILLS
2-Y	DETAIL OF CONCRETE AND BRICK RETAINING WALLS WITH CHAIN LINK FENCE
2-Z THRU 2-ZA	STRUCTURE ANCHOR UNITS
3 (2 SHEETS)	SUMMARY OF QUANTITIES
3-A THRU 3-L	DRAINAGE
3-M	SUMMARIES FOR CLASS "B", CLASS "I", FILTER FABRIC, PSRM AND DDE
3-N	SUMMARY OF QUANTITIES, GUARDRAIL, REMOVING & BREAKING OF PAVEMENT AND CHAIN LINK FENCE
3-O	SUMMARY OF EARTHWORK
3-P THRU 3-Q	PARCEL INDEX SHEET
4 THRU 30	PLAN SHEETS
31 THRU 63	PROFILE SHEETS
TCP-1 THRU TCP-46	TRAFFIC CONTROL PLANS
PM-1 THRU PM-4	PAVEMENT MARKING PLANS
SIGN-1 THRU SIGN-21	SIGNING PLANS
SIG-1 THRU SIG-61	SIGNAL PLANS
EC-1 THRU EC-58	EROSION CONTROL PLANS
RF-1	REFORESTATION DETAIL
UC-01 THRU UC-27	UTILITY CONSTRUCTION PLANS
UO-1 THRU UO-22	UTILITIES BY OTHERS
X-1	CROSS SECTION INDEX
X-1A & X-1C	EARTHWORK VOLUMES SUMMARY
X-2 THRU X-83	CROSS SECTIONS
S-1 THRU S-47	STRUCTURE PLANS

GENERAL NOTES: 2002 SPECIFICATIONS  
EFFECTIVE: 01-15-02

**GRADE LINE:  
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 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 AND EARTH 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.

**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 USING 37500 MM RADI OR RADIUS AS SHOWN ON THE PLANS. LOCATIONS OF DRIVES WILL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

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

**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:

- DUKE ENERGY - POWER TRANSMISSION & POWER DISTRIBUTION
- CITY OF HIGH POINT ELECTRIC - POWER DISTRIBUTION
- NORTH STATE COMMUNICATIONS - TELEPHONE
- PIEDMONT NATURAL GAS
- TIME WARNER - CATV

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS.

**RIGHT-OF-WAY MARKERS:**

RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY OTHERS AND BY CONTRACT IN ACCORDANCE WITH DESIGNATED SYMBOLS AND AS SHOWN IN SUMMARY.

**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 METRIC 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.	TITLE
<b>DIVISION 2 - EARTHWORK</b>	
200.02	Method of Clearing - Method II
225.02	Guide for Grading Subgrade - Secondary and Local
225.04	Method of Obtaining Superelevation - Two Lane Pavement
225.06	Method of Grading Sight Distance at Intersections
<b>DIVISION 3 - PIPE CULVERTS</b>	
300.01	Method of Pipe Installation - Method 'A'
310.02	Parallel Pipe End Section - Precast Concrete Section for 375mm to 600mm Pipe
310.03	Cross Pipe End Section - Precast Concrete Section for 450mm to 750mm Pipe
310.04	Parallel Pipe End Section - Prefabricated Steel Section for 400mm to 600mm Pipe
310.05	Cross Pipe End Section - Prefabricated Steel Section for 450mm to 800mm Pipe
310.10	Driveway Pipe Construction
<b>DIVISION 5 - SUBGRADE, BASES AND SHOULDERS</b>	
560.01	Method of Shoulder Construction - High Side of Superelevated Curve - Method I
<b>DIVISION 6 - ASPHALT BASES AND PAVEMENTS</b>	
610.01	Guide for Paving Shoulders Under Bridges - Method I
654.01	Pavement Repairs
<b>DIVISION 7 - CONCRETE PAVEMENTS AND SHOULDERS</b>	
700.05	Tying Proposed Pavement to Existing
<b>DIVISION 8 - INCIDENTALS</b>	
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
838.01	Conc. Endwall for Single and Double Pipe Culverts - 375mm thru 1200mm Pipe 90° Skew
838.11	Brick Endwall for Single and Double Pipe Culverts - 375mm thru 1200mm Pipe 90° Skew

840.00	Concrete Base Pad for Drainage Structures
840.01	Brick Catch Basin - 300mm thru 1350mm Pipe
840.02	Concrete Catch Basin - 300mm thru 1350mm Pipe
840.03	Frame, Grates and Hood - for Use on Standard Catch Basin
840.14	Concrete Drop Inlet - 300mm thru 750mm Pipe
840.15	Brick Drop Inlet - 300mm thru 750mm Pipe
840.16	Drop Inlet Frame and Grates - for use with Std. Dwg.s 840.14 and 840.15
840.18	Concrete Median Drop Inlet Type 'B' - 300mm thru 900mm Pipe
840.22	Frames and Wide Slot Sag Grates
840.24	Frames and Narrow Slot Sag Grates
840.25	Anchorage for Frames - Brick or Concrete
840.27	Brick Median Drop Inlet Type 'B' - 300mm thru 900mm Pipe
840.30	Driveway Drop Inlet
840.31	Concrete Junction Box - 300mm thru 1650mm Pipe
840.32	Brick Junction Box - 300mm thru 1650mm Pipe
840.34	Traffic Bearing Junction Box - for Use with Pipes 1050mm and Under
840.54	Manhole Frame and Cover
840.66	Drainage Structure Steps
840.71	Concrete and Brick Pipe Plug
840.72	Pipe Collar
842.03	Concrete and Brick Retaining Walls - with 0.6m Surcharge
846.01	Concrete Curb, Gutter and Curb & Gutter
848.01	Concrete Sidewalk
848.04	Street Turnout
852.01	Concrete Islands
862.01	Guardrail Placement
866.01	Chain Link Fence - 1.2m, 1.5m and 1.8m 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