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PROJECT REFERENCE NO. SHEET NO.

B-3157 I-A

HYDRAULICS
ENGINEER ROADWAY DESIGN
ENGINEER

INDEX OF SHEETS, GENERAL NOTES, AND LIST OF STANDARDS

CONTRACT: C200781 (B-3157) Davidson County

Bridge Nos. 74 and 76 over SR 1242 and Michael Creek and approaches on US 29/64/70 & I-85 Business Mulkey E&C Project 2001124.00.00

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PM-1 thru PM-4 Pavement Marking Plans EC-1 thru EC-9 Erosion Control Plans	6 thru 9	Profile Sheets		
EC-1 thru EC-9 Erosion Control Plans	TCP-1 thru TCP-56	Traffic Control Plans		
	PM-1 thru PM-4	Pavement Marking Plans		
RF-1 Reforestation Plan	EC-1 thru EC-9	Erosion Control Plans		
	RF-1	Reforestation Plan		

SIGN-1 thru SIGN-7

SIG-1 thru SIG-19

UC-1 thru UC-8

UO-1 and UO-2

X-0 thru X-82

C-1 thru C-19

S-1 thru S-56

W-1 thru W-2

Signing Plans

Signal Plans

Cross-Sections

Structure Plans

Culvert Plans

Utility Construction Plans

Utilities by Others Plans

Soil Nail Retaining Wall

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 $_{f III}$.

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.

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 3' 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 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.

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 CORPORATION, CITY OF LEXINGTON-LEXCOM-TELEPHONE
CITY OF LEXINGTON- LEXCOM-CATV, TIME WARNER- CATV
CITY OF LEXINGTON- POWER CITY OF LEXINGTON – 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 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:

SID.NO.	IIILE	
		DIVISION 2 - EARTHWORK

200.03 Method of Clearing - Method III

225.01 Guide for Grading Subgrade - Interstate and Freeway

225.02 Guide for Grading Subgrade - Secondary and Local

225.03 Deceleration and Acceleration Lanes

225.04 Method of Obtaining Superelevation - Two Lane Pavement

225.05 Method of Obtaining Superelevation - Divided Highways

225.09 Guide for Shoulder and Ditch Transition at Grade Separations

DIVISION 3 - PIPE CULVERTS

300.02 Method of Pipe Installation - Method 'B'

300.01 Method of Pipe Installation - Method 'A'

DIVISION 4 - MAJOR STRUCTURES

422.10 Reinforced Bridge Approach Fills

DIVISION 5 - SUBGRADE, BASES AND SHOULDERS

Method of Shoulder Construction - High Side of Superelevated Curve - Method I
 Method of Shoulder Construction - High Side of Superelevated Curve - Method II

DIVISION 6 - ASPHALT BASES AND PAVEMENTS

610.04 Asphalt Wearing Surface on Approach Slab

654.01 Pavement Repairs

DIVISION 8 - INCIDENTALS

806.01 Concrete Right-of-Way Marker806.02 Granite Right-of-Way Marker

15.02 Ding Underdrain and Blind Drain

815.03 Pipe Underdrain and Blind Drain

816.01 Concrete Pads - for Shoulder Drain Installation

816.02 Aggregate Shoulder Drain

816.04 Markers for Drainage Structure and Concrete Pad

820.04 Drain Installation in Shoulder Berm Gutter

838.27 Reinforced Concrete Endwall - for Single 60" Pipe 90° Skew

838.40 Reinforced Concrete Endwall - for Double and Triple 72" Pipes 90° Skew

838.57 Reinforced Brick Endwall - for Single 60" Pipe 90° Skew

838.70 Reinforced Brick Endwall - for Double and Triple 72" Pipes 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 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

840.17 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

840.24 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

840.30 Driveway Drop Inlet

840.31 Concrete Junction Box - 12" thru 66" Pipe

840.32 Brick Junction Box - 12" thru 66" Pipe

840.37 Steel Grate and Frame
840.46 Traffic Bearing Precast Drainage Structure
840.54 Manhole Frame and Cover

840.36 Traffic Bearing Drop Inlet - for Steel (840.37) Double Frame and Grates

840.66 Drainage Structure Steps

840.71 Concrete and Brick Pipe Plug

840.72 Pipe Collar

846.01 Concrete Curb, Gutter and Curb & Gutter

848.02 Driveway Turnout - Radius Type

848.04 Street Turnout

848.05 Wheelchair Ramp - Curb Cut

850.01 Concrete Paved Ditches

852.01 Concrete Islands

854.01 Double Faced Concrete Barrier - Types I, II, III and IV

857.01 Precast Reinforced Concrete Barrier - 41" Single Faced

862.01 Guardrail Placement

862.02 Guardrail Installation

862.03 Structure Anchor Units876.01 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