SHEET NUMBER

2A-1 THRU 2A-2

2C-2

2C-3

2C-4

2C-5

2C-6

2C-8

2G-1

3G-1

4 THRU 11

RW01 THRU RW08

TMP-1 THRU TMP-20A

PMP-1 THRU PMP-7

EC-1 THRU EC-13

SIGN-1 THRU SIGN-7

SIG-1.0 THRU SCP 9

UO-1 THRU UO-6

UC-1 THRU UC-11

X-1A THRU X-1B

X-1 THRU X-27

W-1 THRU W-5

CU\_78-1 THRU CU\_78-12

X-0

3B-1 THRU 3B-2

3D-1 THRU 3D-7

# INDEX of SHEETS, GENERAL NOTES, and LIST of STANDARDS

PROJECT REFERENCE NO.

U-40/5A

ROADWAY DESIGN
ENGINEER

SEAL
16725

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

# INDEX OF SHEETS

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TITLE SHEET

CONVENTIONAL SYMBOLS

CONCRETE SIDEWALK

DRAINAGE SUMMARIES

PARCEL INDEX SHEET

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SPECIAL DETAIL SHEET - MIN. DEPTH CONCRETE CATCH BASIN

SPECIAL DETAIL SHEET - GUARDRAIL TREATMENT AT CURB AND GUTTER

PAVEMENT REMOVAL, FENCE RESET, EARTHWORK, AND GUARDRAIL SUMMARIES

SPECIAL DETAIL SHEET - CURB RAMP, PARALLEL RAMP

TEMPORARY SHORING AND TEMPORARY WALL DETAILS

METHOD OF PIPE INSTALLATION - FLEXIBLE PIPE

METHOD OF PIPE INSTALLATION - RIGID PIPE

PAVEMENT SCHEDULE AND TYPICAL SECTIONS

SPECIAL DETAIL SHEET - BIKE / PED SAFETY RAIL

# LIST OF STANDARDS

EFF.	01-16-2024	

REV.

2024 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Contracts Standards and Development Unit -

N. C. Department of Transportation - Raleigh, N. C., Dated January 16, 2024 are applicable to this project

and by reference hereby are considered a part of these plans:

TITLE

DIVISION 2 - EARTHWORK

STD NO.

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

DIVISION 5 - SUBGRADE, BASES AND SHOULDERS

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

DIVISION 6 - ASPHALT BASES AND PAVEMENTS

654.01 Pavement Repairs

DIVISION 8 - INCIDENTALS

815.02 Subsurface Drain

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

838.80 Precast Endwalls - 12" thru 72" Pipe 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

840.14 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 840.14 and 840.15

840.18 Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe

840.24 Frames and Narrow Slot Sag Grates

840.25 Anchorage for Frames - Brick or Concrete or Precast

840.27 Brick Grated Drop Inlet Type 'B' - 12" thru 36" Pipe

840.29 Frames and Narrow Slot Flat Grates840.31 Concrete Junction Box - 12" thru 66" Pipe

840.32 Brick Junction Box - 12" thru 66" Pipe

840.35 Traffic Bearing Grated Drop Inlet - for Cast Iron Double Frame and Grates

840.45 Precast Drainage Structure

840.46 Traffic Bearing Precast Drainage Structure

840.54 Manhole Frame and Cover

840.66 Drainage Structure Steps

846.01 Concrete Curb, Gutter and Curb & Gutter

848.02 Driveway Turnout - Radius Type848.04 Street Turnout

852.01 Concrete Islands

852.06 Method for Placement of Drop Inlets in Concrete Islands

862.02 Guardrail Installation

862.03 Structure Anchor Units

876.01 Rip Rap in Channels and Ditches

876.02 Guide for Rip Rap at Pipe Outlets

876.04 Drainage Ditches with Class 'B' Rip Rap

# GENERAL NOTES

2024 SPECIFICATIONS
EFFECTIVE: 01-16-2024
REVISED:

#### 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, EARTH, AND CONCRETE 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.

## SUBSURFACE DRAINS:

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

## DRIVEWAYS:

DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. 848.02
USING 3 FOOT RADII OR RADII AS SHOWN ON THE PLANS. LOCATIONS OF DRIVES
WILL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

## STREET TURNOUT:

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".

## <u>UTILITIES:</u>

UTILITY OWNERS ON THIS PROJECT ARE DUKE ENERGY, AT&T TOLL, AT&T,
PIEDMONT NATURAL GAS, KINDER MORGAN NATURAL GAS, DUKENET, BRIGHTSPEED,
LUMOS COMMUNICATIONS, SPECTRUM, NCDOT, CITY OF GREENSBORO TRAFFIC,
CITY OF GREENSBORO, AND CITY OF HIGH POINT.

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 OTHERS.

## CURB RAMPS

CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. CONSTRUCT ALL CURB RAMPS ACCORDANCE WITH STD 848.06.

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