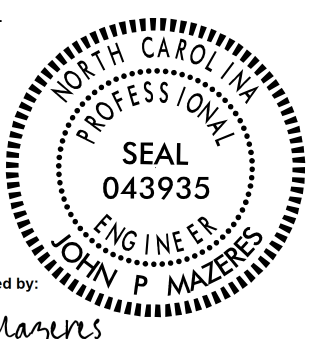



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|   |   |
|---|---|
| PROJECT REFERENCE NO.   | SHEET NO.   |
| 17BP1.R.90  | 1A  |
| ROADWAY DESIGN ENGINEER   |   |
| 3/12/2021   |   |
|  |   |
| Documented by: <i>John Matzkes</i><br>SEAL 043935<br>JOHN P. MATZKES<br>ENGINEER    |   |
| <b>DOCUMENT NOT CONSIDERED FINAL<br/>UNLESS ALL SIGNATURES COMPLETED</b>            |   |
| PREPARED IN THE OFFICE OF:  |  NC FIRM LICENSE No: C-1508<br>301 Fayetteville St.,<br>Suite 1500<br>Raleigh, NC 27601<br>(919)882-7839 |

INDEX OF SHEETS

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| X-1A                 | CROSS-SECTION SUMMARY SHEET                           |
| X-1 THRU X-7         | CROSS-SECTIONS  |
| S-1 THRU S-18        | STRUCTURE PLANS                                       |

GENERAL NOTES: 2018 SPECIFICATIONS EFFECTIVE: 01-16-2018

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 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 SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01.

SUBSURFACE DRAINS:

SUBSURFACE DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 815.02 AT LOCATIONS 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.

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:

NORTHAMPTON COUNTY WATER AND SEWER CENTURYLINK

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.

01-16-2018

2018 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, 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

| STD.NO.                                    | TITLE   |
|--|---|
| DIVISION 2 - EARTHWORK                     |   |
| 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 3 - PIPE CULVERTS                 |   |
| 300.01                                     | METHOD OF PIPE INSTALLATION   |
| DIVISION 4 - MAJOR STRUCTURES              |   |
| 422.02                                     | BRIDGE APPROACH FILLS - TYPE II MODIFIED APPROACH FILL                        |
| DIVISION 5 - SUBGRADE, BASES AND SHOULDERS |   |
| 560.01                                     | METHOD OF SHOULDER CONSTRUCTION - HIGH SIDE OF SUPERELEVATED CURVE - METHOD I |
| DIVISION 8 - INCIDENTALS                   |   |
| 815.02                                     | SUBSURFACE DRAIN  |
| 840.00                                     | CONCRETE BASE PAD FOR DRAINAGE STRUCTURES                                     |
| 840.25                                     | ANCHORAGE FOR FRAMES  |
| 840.29                                     | FRAMES AND NARROW SLOT FLAT GRATES  |
| 840.35                                     | TRAFFIC BEARING GRATED DROP INLET   |
| 840.46                                     | TRAFFIC BEARING PRECAST DRAINAGE STRUCTURES                                   |
| 840.66                                     | DRAINAGE STRUCTURE STEPS  |
| 846.01                                     | CONCRETE CURB, GUTTER AND CURB AND GUTTER                                     |
| 846.04                                     | DROP INLET INSTALLATION IN SHOULDER BERM GUTTER                               |
| 862.01                                     | GUARDRAIL PLACEMENT   |
| 862.02                                     | GUARDRAIL INSTALLATION  |
| 862.03                                     | STRUCTURE ANCHOR UNITS  |
| 876.02                                     | GUIDE FOR RIP RAP AT PIPE OUTLETS   |

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