78 B Lickskillet VICINITY MAP OFF-SITE DETOUR — See Sheet 1A For Index of Sheets See Sheet 1B For Conventional Symbols

## STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

| N.C.            | 17BP.5.R.78 |                 |              | 1 |  |
|-----------------|-------------|-----------------|--------------|---|--|
| STATE PROJ. NO. |             | F. A. PROJ. NO. | DESCRIPTION  |   |  |
| 17BP.5.R.78     |             | N/A             | PE           |   |  |
| 17BP.5.R.78     |             | N/A             | RIGHT_OF_WAY |   |  |
| 17BI            | P.5.R.78    | N/A             | UTILITIES    |   |  |
| 17BI            | P.5.R.78    | N/A             | CONSTRUCTION |   |  |

STATE PROJECT REFERENCE NO.

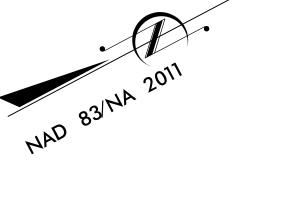
STATE

## FRANKLIN & WARREN COUNTIES

LOCATION: BRIDGE NO. 140 OVER LITTLE SHOCCO CREEK ON SR 1488 (ROD ALSTON RD.)/SR 1647 (MAJOR ROB ALSTON RD.)

TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURE





## GRAPHIC SCALES

PLANS PROFILE (HORIZONTAL)

PROFILE (VERTICAL)

DESIGN DATA

ADT = 120V = 60 MPHCLASS = RURALLOCAL SUBREGIONAL TIER

### PROJECT LENGTH

LENGTH ROADWAY STATE PROJECT 17BP.5.R.78 = 0.123 mi. LENGTH STRUCTURES STATE PROJECT 17BP.5.R.78 = 0.019 mi. TOTAL LENGTH STATE PROJECT 17BP.5.R.78 = 0.142 mi.

## Prepared in the Offices of:

2018 STANDARD SPECIFICATIONS ANDY YOUNG, PE

RIGHT OF WAY DATE: **DECEMBER 12, 2017** RIGHT OF WAY COMPLETE: JANUARY 22, 2019

LETTING DATE: JANUARY 18, 2022



PROJECT ENGINEER

NCDOT CONTACT

MICHAEL BURNS, PE PROJECT DESIGN ENGINEER LISA GILCHRIST, EI

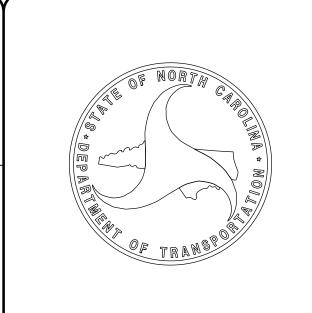
ROADWAY DESIGN ENGINEER Michael S. Burns, Jr

Reid B. Robol

SIGNATURE:

HYDRAULICS ENGINEER

043870



**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED** 

ROADWAY DESIGN

5/2023 ENGINEER 045230

STEWART **DOCUMENT NOT CONSIDERED FINAL** 

**UNLESS ALL SIGNATURES COMPLETED** 

GENERAL NOTES:

2018 SPECIFICATIONS EFFECTIVE: 01-16-2018

REVISED:

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

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 SURVEYOR 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.

RIGHT-OF-WAY MARKERS:

ALL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY CONTRACT.

INDEX OF SHEETS

SHEET NUMBER SHEET TITLE SHEET

1 A INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS

STRUCTURE ANCHOR UNIT DETAIL

CROSS-SECTION SUMMARY SHEET

1 B CONVENTIONAL SYMBOLS

2A - 1PAVEMENT SCHEDULE AND TYPICAL SECTIONS

2C-1GUARDRAIL INSTALLATION DETAIL

2C-3 EXTRA LENGTH GUARDRAIL POST DETAIL

PROFILE SHEET

STRUCTURE PLANS

3B - 1ROADWAY SUMMARIES 3D - 1DRAINAGE SUMMARY

3G-1 GEOTECHNICAL SUMMARY

PLAN SHEET

2C-2

X-1A

S-1 THRU S-16

TMP-1 THRU TMP-4 TRAFFIC MANAGEMENT PLANS

PMP-1 THRU PMP-2 PAVEMENT MARKING PLANS

EC-1 THRU EC-5 EROSION CONTROL PLANS

RF-1REFORESTATION PLAN

X-1 THRU X-5 CROSS-SECTIONS

EFF. 01-16-2018

REV.

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. DIVISION 2 - EARTHWORK 200.03 Method of Clearing - Method III

225.02 Guide for Grading Subgrade - Secondary and Local 225.04 Method of Obtaining Superelevation - Two Lane Pavement

TITLE

DIVISION 3 - PIPE CULVERTS 300.01 Method of Pipe Installation

DIVISION 4 - MAJOR STRUCTURES 422.02 Bridge Approach Fills - Type II Modiefied Approach Fill

DIVISION 5 - SUBGRADE, BASES AND SHOULDERS

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

DIVISION 8 - INCIDENTALS 806.01 Concrete Right-of-Way Marker

806.02 Granite Right-of-Way Marker 840.00 Concrete Base Pad for Drainage Structures

840.25 Anchorage for Frames - Brick or Concrete or Precast

840.29 Frames and Narrow Slot Flat Grates 840.35 Traffic Bearing Grated Drop Inlet – for Cast Iron Double Frame and Grates

840.46 Traffic Bearing Precast Drainage Structure

846.04 Drop Inlet Installation in Shoulder Berm Gutter 862.01 Guardrail Placement

862.02 Guardrail Installation (Use Detail Sheet 2C-1 in leiu of Sheet 6 of 8)

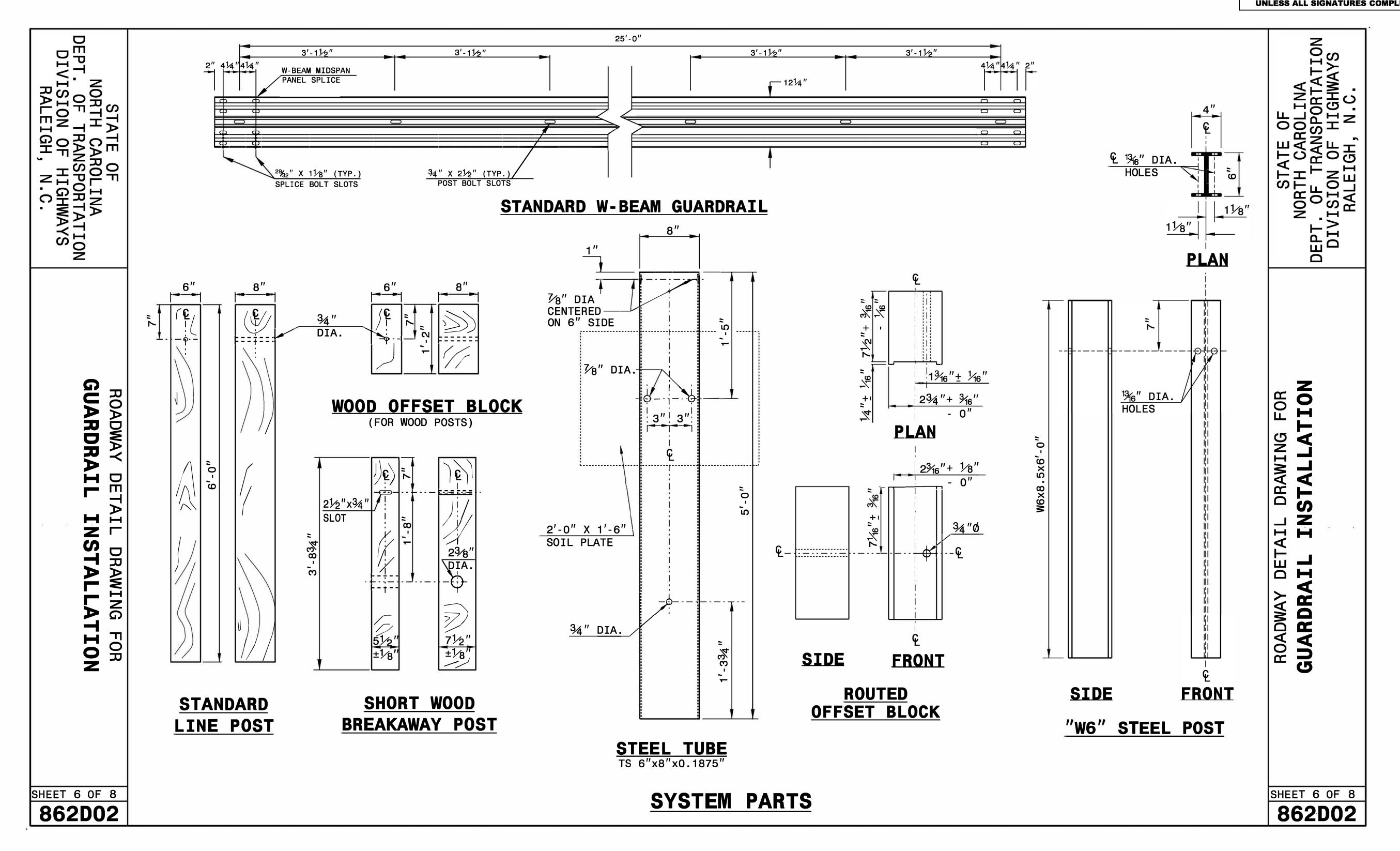
862.03 Structure Anchor Units (Use Detail Sheet 2C-2 in leiu of Sheets 1 of 7 & 2 of 7)

PROJECT REFERENCE NO. SHEET NO.

17BP.5.R.87

2C-1

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UNLESS ALL SIGNATURES COMPLETED





CONTRACTS STANDARDS AND DEVELOPMENT UNIT Office 919-707-6950 FAX 919-250-4119

## SEE TITLE BLOCK

| ORIGINAL BY: J.HOWERTON | DATE: <u>3-7-2018</u> |
|-------------------------|-----------------------|
| MODIFIED BY:            | DATE:                 |
| CHECKED BY:             | DATE:                 |
| ETIE ODEC .             |                       |

SHEET 2 OF 7
862D03 STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DEPT. OF HIGHWAYS SYAWB N.C. STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION SYAMAYS SYAMAYS SALEIGH, N.C. 862D03 RAIL ON BRIDGE - SUB REGIONAL TIER FOR ATTACHMENT TO RAIL ON BRIDGE STRUCTURE ANCHOR UNIT, TYPE III GUARDRAIL ANCHOR UNIT, TYPE III FOR ATTACHMENT TO ROADWAY DETAIL DRAWING FOR ROADWAY DETAIL DRAWING FOR **10** III FOR ATTACHMENT REGIONAL TIER TYPE III ON BRIDGE EAK POINT EAK POINT CHMENT TO RAIL **⊠** ν **A** GUARDRAI FOR ATTA GUARDRAIL ANCHOR RAIL ON B SHEET 2 OF 7 862D03 STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS ROADWAY DETAIL DRAWING FOR 862D03 STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS ROADWAY DETAIL DRAWING FOR STRUCTURE ANCHOR UNITS
GUARDRAIL ANCHOR UNIT, TYPE III FOR ATTACHMENT TO STRUCTURE ANCHOR UNITS
GUARDRAIL ANCHOR UNIT, TYPE III RAIL ON BRIDGE - SUB REGIONAL TIER FOR ATTACHMENT TO RAIL ON BRIDGE RALEIGH, N.C. RALEIGH, N.C.

PROJECT REFERENCE NO. SHEET NO. 17BP.5.R.78

2C-2

1/5/2023 Nicole M. Hockler —5884323D34164C5...

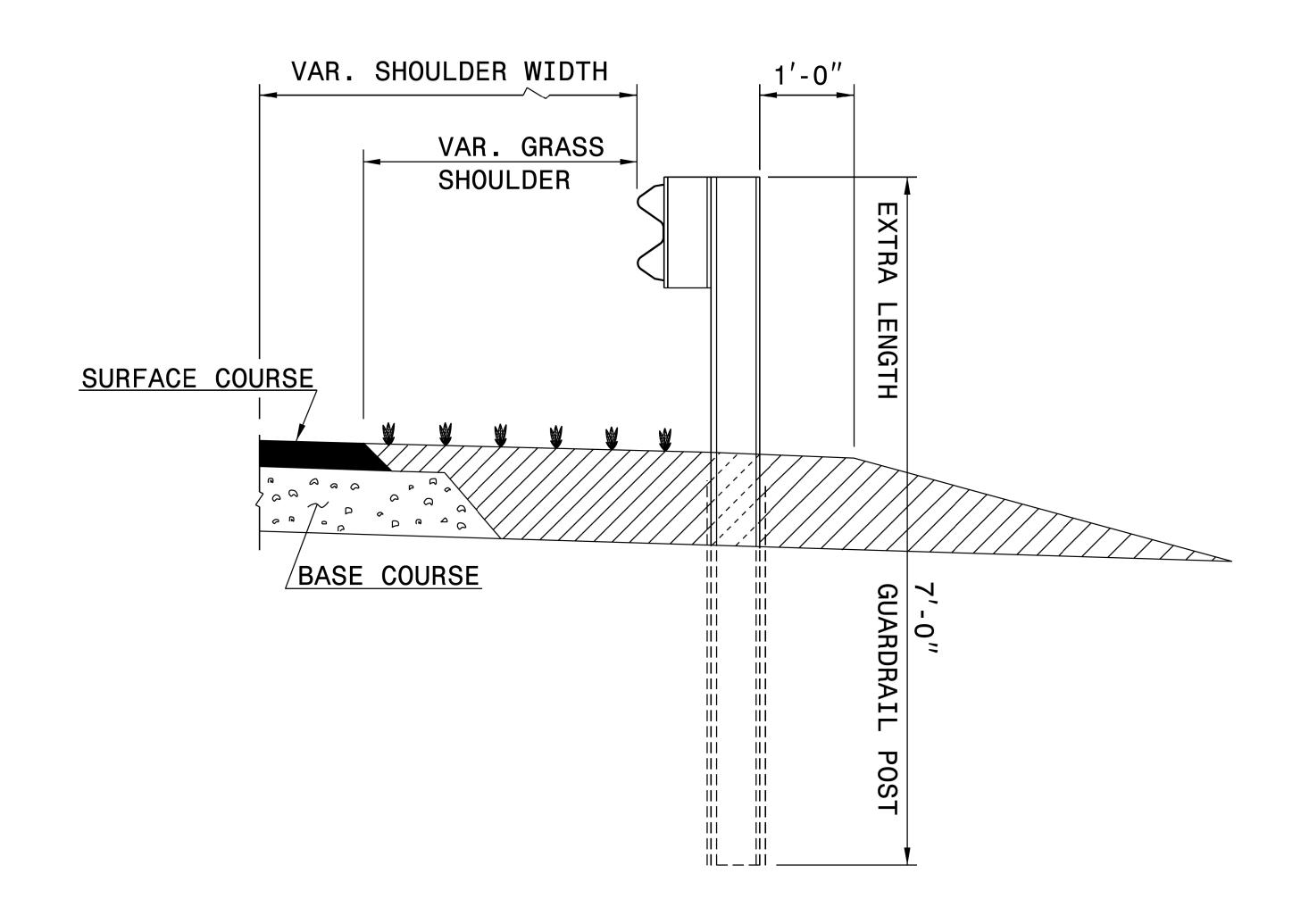
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AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

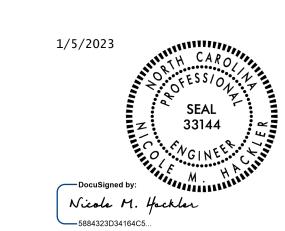
## SEE TITLE BLOCK

ORIGINAL BY: J HOWERTON
MODIFIED BY:
CHECKED BY:
FILE SPEC.: \_\_DATE: <u>06-22-12</u> \_\_DATE: \_\_\_ DATE: \_\_\_

PROJECT REFERENCE NO. SHEET NO. 17BP.5.R.78 2C-3



REFER TO NCDOT STANDARDS 862.01 AND 862.02 FOR PLACEMENT AND INSTALLATION.



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

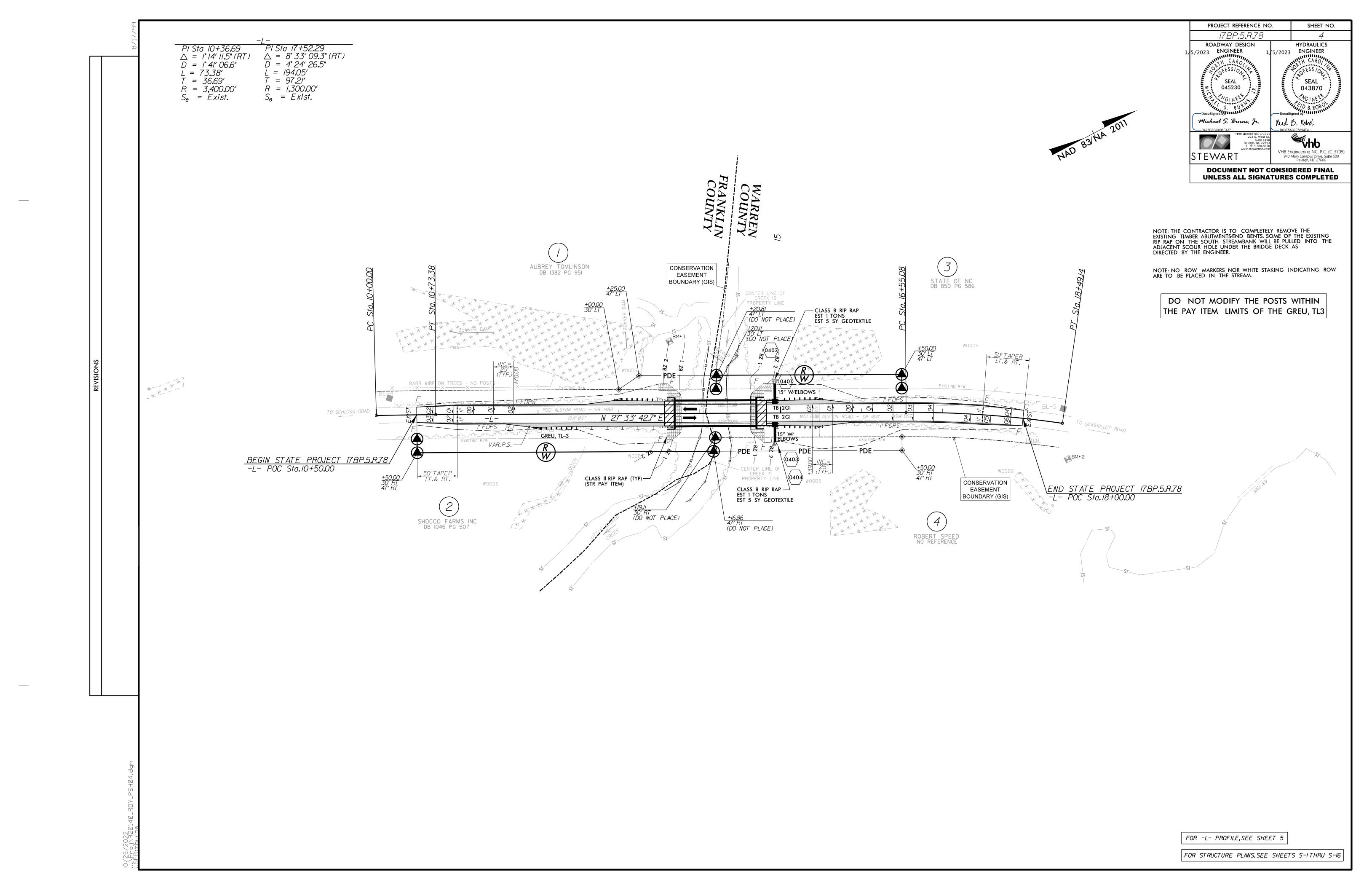
CONTRACT STANDARDS
AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

## 7' GUARDRAIL POST

ORIGINAL BY: L. Robinson DATE: 1995

MODIFIED BY: L. Robinson DATE: Feb. 1996

CHECKED BY: DATE: FILE SPEC.: s:7'postguardrail.dgn



# "I.P.: 17BP.5.R.78

# NTRACT: DE00359

## STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

# PAVEMENT MARKING PLAN FRANKLIN & WARREN COUNTIES

LOCATION: BRIDGE NO. 140 OVER LITTLE SHOCCO CREEK ON SR 1488 (ROD ALSTON RD.)/SR 1647 (MAJOR ROB ALSTON RD.)

## TIP NO. SHEET NO. 17BP.5.R.78 PMP-1

APPROVED: Michael S. Burns, Jr.

D425C8CC006F437...

DATE: 1/5/2023

SFAI ·



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

## ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - CONTRACT STANDARDS AND DEVELOPMENT UNIT - 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 |
|------|-----|-------|

| 1205.01 | PAVEMENT MARKINGS - LINE TYPES AND OFFSETS               |
|---------|--|
| 1205.02 | PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS      |
| 1261.01 | GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING |
| 1261.02 | GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING   |
| 1262.01 | GUARDRAIL END DELINEATION                                |

## PAVEMENT MARKING SCHEDULE

SYMBOL DESCRIPTION

PA PAINT WHITE EDGELINE (4") X2

PI PAINT YELLOW DOUBLE CENTER (4") X2

## GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

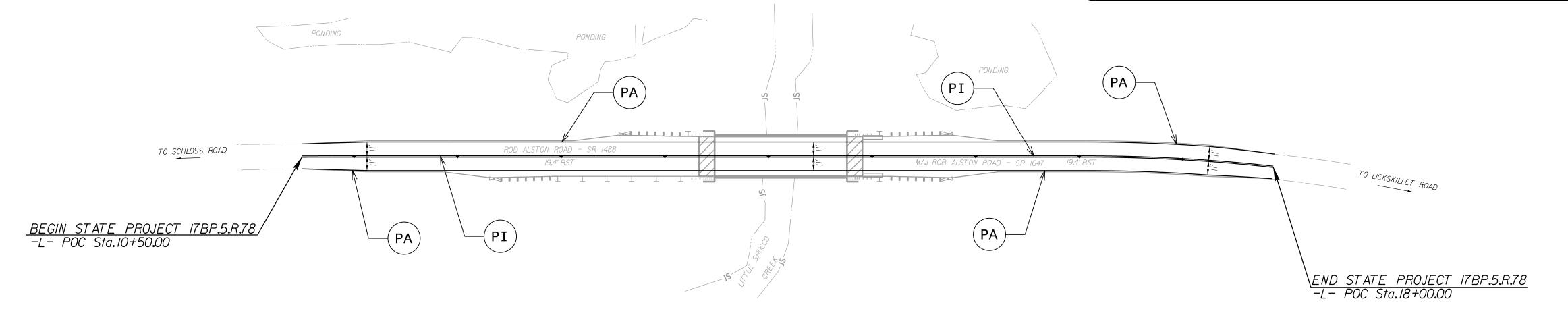
A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME MARKING MARKER

ROD ALSTON RD./ PAINT NONE

MAJOR ROB ALSTON RD.

- B) PLACE TWO APPLICATIONS OF PAINT PAVEMENT MARKINGS ON THE FINAL WEARING SURFACE. PLACE THE SECOND APPLICATION OF PAINT UPON SUFFICIENT DRYING TIME OF THE FIRST.
- C) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- D) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- F) PASSING ZONES WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.



## **INDEX**

SHEET NO.

<u>DESCRIPTION</u>

PMP - 1

INDEX, ROADWAY STANDARD DRAWINGS, PAVEMENT MARKING SCHEDULE, GENERAL NOTES, PAVEMENT MARKING

DETAIL

PMP-2

REVISED PAVEMENT MARKING ROADWAY STANDARD DRAWING 1205D12

PLAN PREPARED BY: STEWART

ANDY YOUNG, PE

PROJECT ENGINEER

MICHAEL BURNS, PE

PROJECT DESIGN ENGINEER

