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See Sheet 1-A For Index of Sheets
See Sheet 1-B For Conventional Symbols

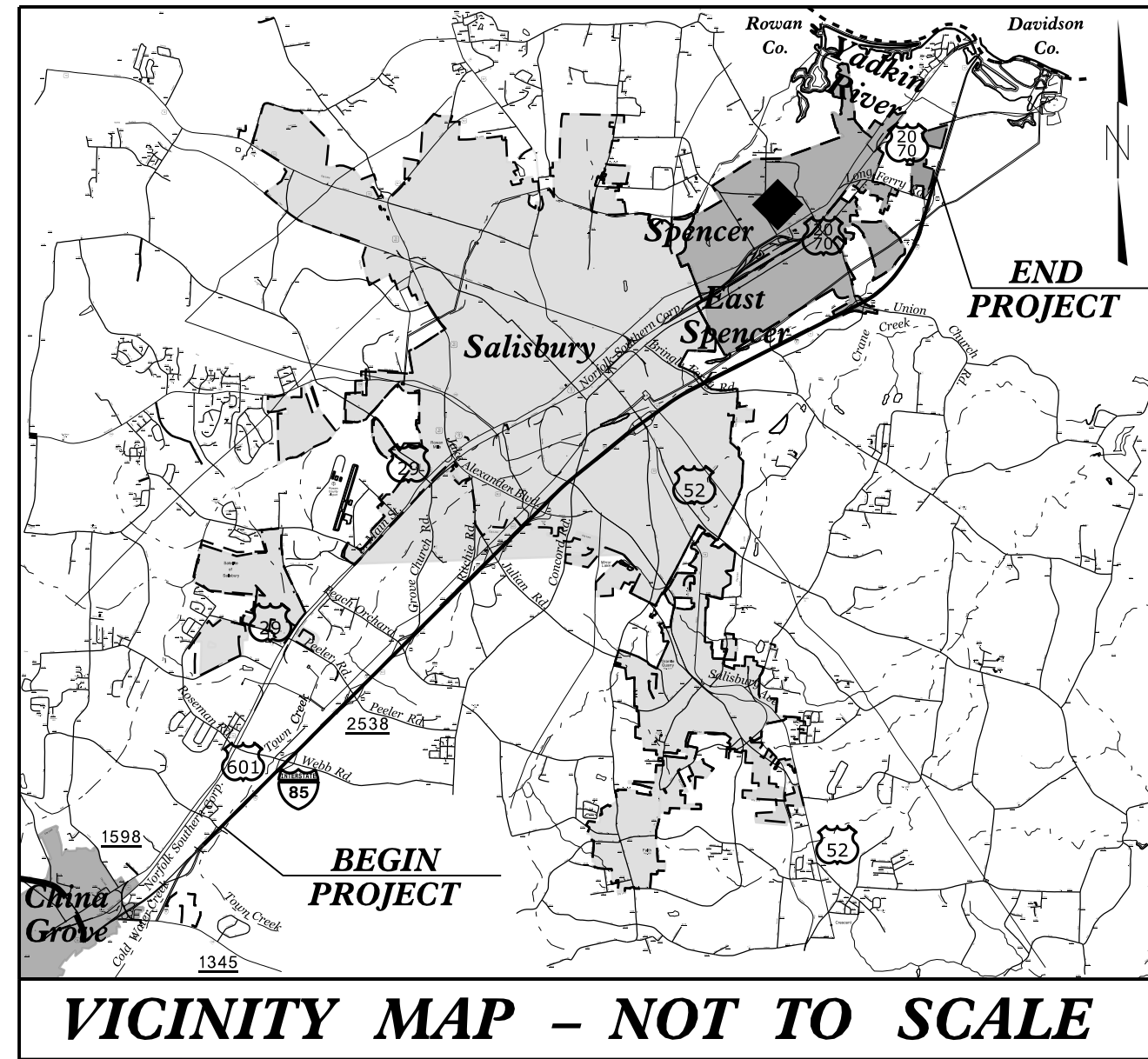
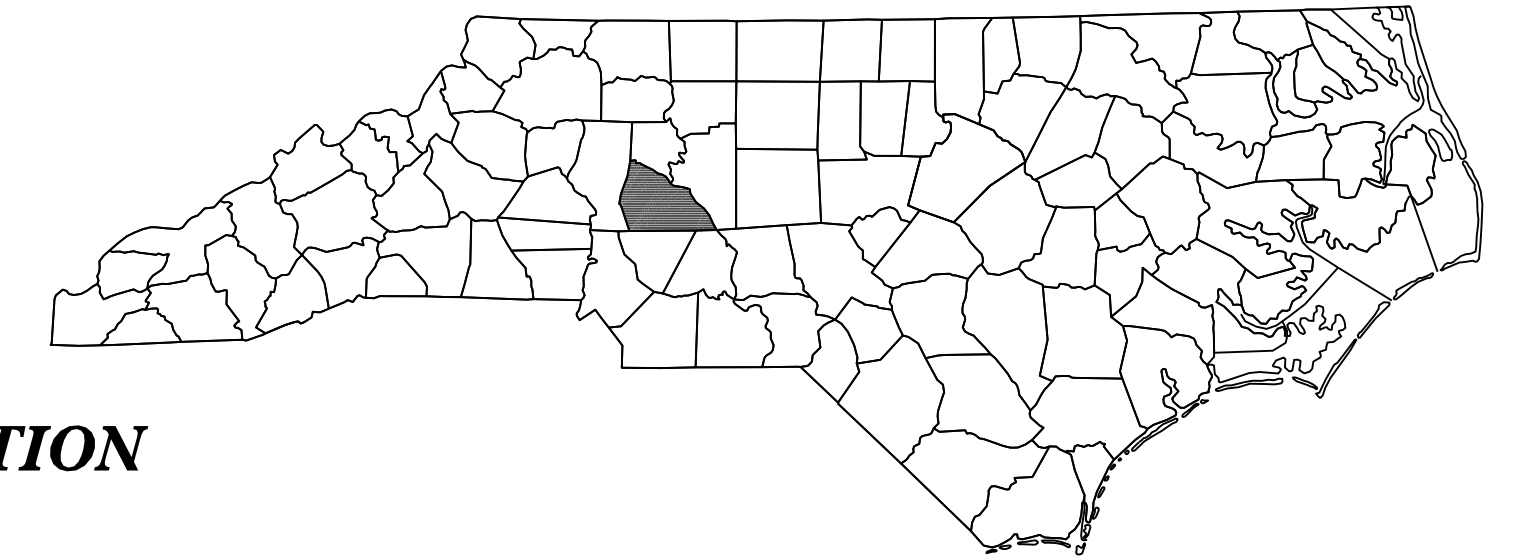
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

ROWAN COUNTY

LOCATION: I-85 FROM US 29/US 601 IN CHINA GROVE TO US 601 (JAKE ALEXANDER BLVD) IN SALISBURY AND FROM SOUTH OF US 52 IN SALISBURY TO NORTH OF SR 2120 (LONG FERRY RD) IN SPENCER.

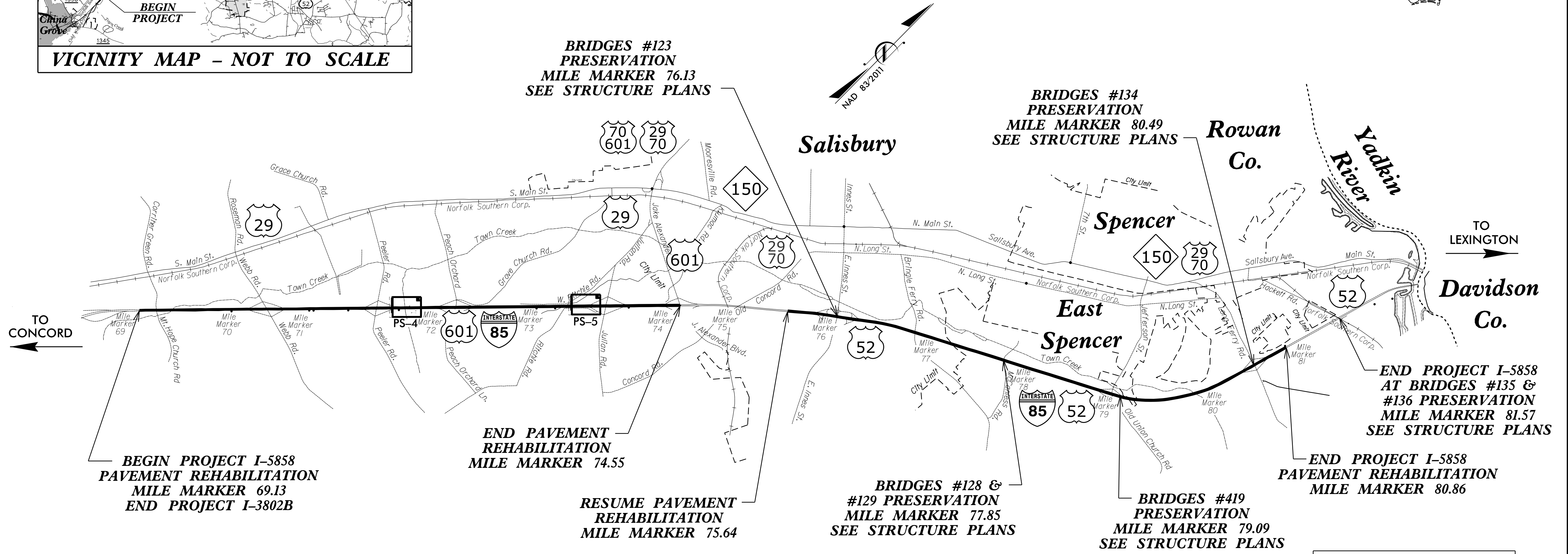
TYPE OF WORK: PAVEMENT REHABILITATION & BRIDGE PRESERVATION

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5858	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
53061.1.1	NHPP-0085(019)	PE	
53061.3.GV1	NHPP-0085(019)	CONST	

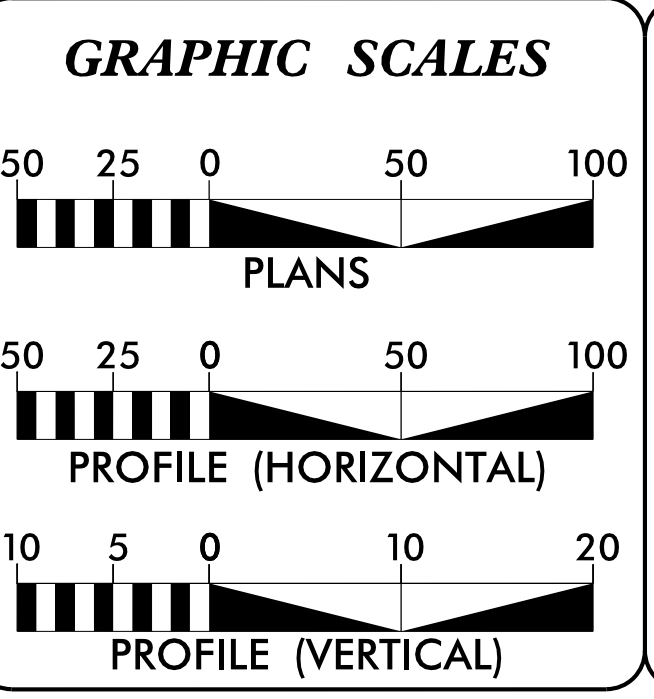


TIP PROJECT: I-5858

CONTRACT: C204244



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



DESIGN DATA

ADT 2013 =	75000
DHV =	11 %
D =	55 %
T =	27 % *
V =	70 MPH
* TTST =	21 DUAL 6
FUNC CLASS =	INTERSTATE
STATEWIDE TIER	(REF. PROJECT I-2511CA)

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT I-5858 =	10.640 MILES
LENGTH STRUCTURE TIP PROJECT I-5858 =	0.248 MILES
TOTAL LENGTH TIP PROJECT I-5858 =	10.888 MILES

Prepared in the Office of:

DIVISION OF HIGHWAYS
NINTH DIVISION DESIGN/CONSTRUCT
375 SILAS CREEK PARKWAY WINSTON-SALEM, N.C. 27127

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: N/A	W. AL BLANTON, PE, PLS PROJECT ENGINEER
LETTING DATE: APRIL 16, 2019	SCOTT JONES, PE PROJECT DESIGN ENGINEER

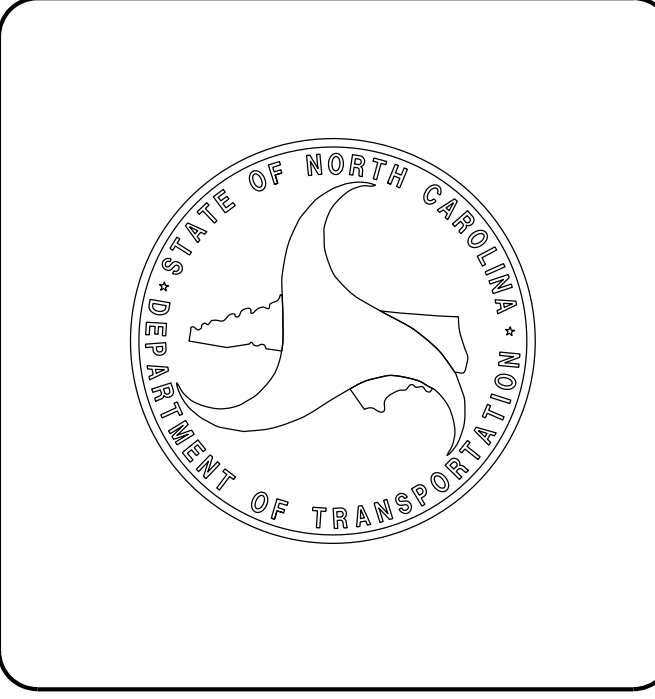
HYDRAULICS ENGINEER

SIGNATURE: P.E.

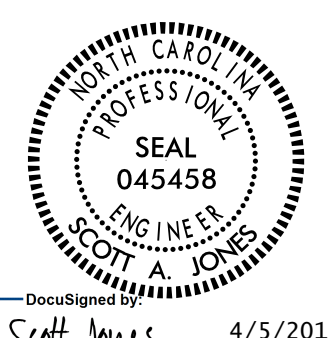
ROADWAY DESIGN ENGINEER

SIGNATURE: P.E.

3/19/2019



19-MAR-2019 07:57 S:\Project_Development\TIP_Projects\I-5858-185-Rowan\Roadway\Design Files\I5858-ddc.tsh.dgn \$\$\$USERNAME\$\$\$

PROJECT REFERENCE NO. 1-5858	SHEET NO. 1A
ROADWAY DESIGN ENGINEER	
	
DocuSigned By: <i>Scott Jones</i> 4/5/2019	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

INDEX OF SHEETS

<u>SHEET NUMBER</u>	<u>SHEET</u>
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
1C-1	SURVEY CONTROL SHEET
2A-1	TYPICAL SECTION
2B-1	14" PCCP SLAB REPAIR DETAIL
2C-1	GUARDRAIL INSTALLATION DETAILS
3B-1	SUMMARY OF CONTINUOUSLY REINFORCED CONCRETE PAVEMENT REPAIR & SUMMARY OF SHOULDER BERM GUTTER REMOVE & REPLACE
3B-2	SHOULDER DRAIN AND GUARDRAIL SUMMARY
3D-1	DRAINAGE SUMMARY
4-7	PLAN SHEETS
TMP-1 THRU TMP-11	TRAFFIC MANAGEMENT PLANS
EC-1	EROSION CONTROL DETAILS

GENERAL NOTES:

2018 SPECIFICATIONS
EFFECTIVE: 01-16-2018
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.

SHOULDER CONSTRUCTION:

ASPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.02

SHOULDER DRAINS:

SHOULDER DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 816.03 AND DETAILS IN PLANS 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.

2018 ROADWAY ENGLISH STANDARD DRAWINGS

EFF. 01-16-2018
REV.

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 3 - PIPE CULVERTS	
300.01	Method of Pipe Installation
DIVISION 8 - INCIDENTALS	
816.02	Aggregate Shoulder Drain
840.00	Concrete Base Pad for Drainage Structures
840.19	Concrete Grated Drop Inlet Type 'D' - 12" thru 36" Pipe
840.20	Frames and Wide Slot Flat Grates
840.25	Anchorage for Frames - Brick or Concrete or Precast
840.28	Brick Grated Drop Inlet Type 'D' - 12" thru 36" Pipe
846.01	Concrete Curb, Gutter and Curb & Gutter
846.04	Drop Inlet Installation in Shoulder Berm Gutter
862.01	Guardrail Placement
862.02	Guardrail Installation
876.02	Guide for Rip Rap at Pipe Outlets

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

Note: Not to Scale *S.U.E. = *Subsurface Utility Engineering*

04/06/15

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○ EIP
Property Corner	-----
Property Monument	□ ECM
Parcel/Sequence Number	①23
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	---WLB---
Proposed Wetland Boundary	---WLB---
Existing Endangered Animal Boundary	---EAB---
Existing Endangered Plant Boundary	---EPB---
Existing Historic Property Boundary	---HPB---
Known Contamination Area: Soil	☠-S-☠
Potential Contamination Area: Soil	☠-S-☠
Known Contamination Area: Water	☠-W-☠
Potential Contamination Area: Water	☠-W-☠
Contaminated Site: Known or Potential	☠☠

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	○ S
Well	○ W
Small Mine	✕
Foundation	□
Area Outline	□
Cemetery	□
Building	□
School	□
Church	□
Dam	□

HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	-----
Jurisdictional Stream	---JS---
Buffer Zone 1	---BZ 1---
Buffer Zone 2	---BZ 2---
Flow Arrow	←
Disappearing Stream	→
Spring	○
Wetland	---WLB---
Proposed Lateral, Tail, Head Ditch	-----
False Sump	▽

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	○ MILEPOST 35
Switch	□ SWITCH
RR Abandoned	-----
RR Dismantled	-----

RIGHT OF WAY:

Baseline Control Point	◆
Existing Right of Way Marker	△
Existing Right of Way Line	-----
Proposed Right of Way Line	○ RW
Proposed Right of Way Line with Iron Pin and Cap Marker	○ RW ▲
Proposed Right of Way Line with Concrete or Granite RW Marker	▲ RW
Proposed Control of Access Line with Concrete CA Marker	○ CA
Existing Control of Access	○ CA
Proposed Control of Access	○ CA
Existing Easement Line	---E---
Proposed Temporary Construction Easement	---E---
Proposed Temporary Drainage Easement	---TDE---
Proposed Permanent Drainage Easement	---PDE---
Proposed Permanent Drainage / Utility Easement	---DUE---
Proposed Permanent Utility Easement	---PUE---
Proposed Temporary Utility Easement	---TUE---
Proposed Aerial Utility Easement	---AUE---
Proposed Permanent Easement with Iron Pin and Cap Marker	◆

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	---C---
Proposed Slope Stakes Fill	---F---
Proposed Curb Ramp	○ CR
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	⊕
Pavement Removal	▣

VEGETATION:

Single Tree	☀
Single Shrub	☀
Hedge	-----
Woods Line	-----

Orchard	☀☀☀☀
Vineyard	□ Vineyard

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	CONC
Bridge Wing Wall, Head Wall and End Wall	CONC WW
MINOR:	
Head and End Wall	CONC HW
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	□ CB
Paved Ditch Gutter	-----
Storm Sewer Manhole	○ S
Storm Sewer	---S---

UTILITIES:

POWER:	
Existing Power Pole	●
Proposed Power Pole	○
Existing Joint Use Pole	●
Proposed Joint Use Pole	○
Power Manhole	○ P
Power Line Tower	□
Power Transformer	□
U/G Power Cable Hand Hole	○
H-Frame Pole	●
U/G Power Line LOS B (S.U.E.*)	---P---
U/G Power Line LOS C (S.U.E.*)	---P---
U/G Power Line LOS D (S.U.E.*)	---P---

TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	○ T
Telephone Pedestal	□
Telephone Cell Tower	□
U/G Telephone Cable Hand Hole	○ TH
U/G Telephone Cable LOS B (S.U.E.*)	---T---
U/G Telephone Cable LOS C (S.U.E.*)	---T---
U/G Telephone Cable LOS D (S.U.E.*)	---T---
U/G Telephone Conduit LOS B (S.U.E.*)	---TC---
U/G Telephone Conduit LOS C (S.U.E.*)	---TC---
U/G Telephone Conduit LOS D (S.U.E.*)	---TC---
U/G Fiber Optics Cable LOS B (S.U.E.*)	---TFD---
U/G Fiber Optics Cable LOS C (S.U.E.*)	---TFD---
U/G Fiber Optics Cable LOS D (S.U.E.*)	---TFD---

WATER:

Water Manhole	○ W
Water Meter	○
Water Valve	⊗
Water Hydrant	○
U/G Water Line LOS B (S.U.E.*)	---W---
U/G Water Line LOS C (S.U.E.*)	---W---
U/G Water Line LOS D (S.U.E.*)	---W---
Above Ground Water Line	---A/G Water---

TV:

TV Pedestal	□
TV Tower	⊗
U/G TV Cable Hand Hole	○ TH
U/G TV Cable LOS B (S.U.E.*)	---TV---
U/G TV Cable LOS C (S.U.E.*)	---TV---
U/G TV Cable LOS D (S.U.E.*)	---TV---
U/G Fiber Optic Cable LOS B (S.U.E.*)	---TV FO---
U/G Fiber Optic Cable LOS C (S.U.E.*)	---TV FO---
U/G Fiber Optic Cable LOS D (S.U.E.*)	---TV FO---

GAS:

Gas Valve	◇
Gas Meter	◇
U/G Gas Line LOS B (S.U.E.*)	---G---
U/G Gas Line LOS C (S.U.E.*)	---G---
U/G Gas Line LOS D (S.U.E.*)	---G---
Above Ground Gas Line	---A/G Gas---

SANITARY SEWER:

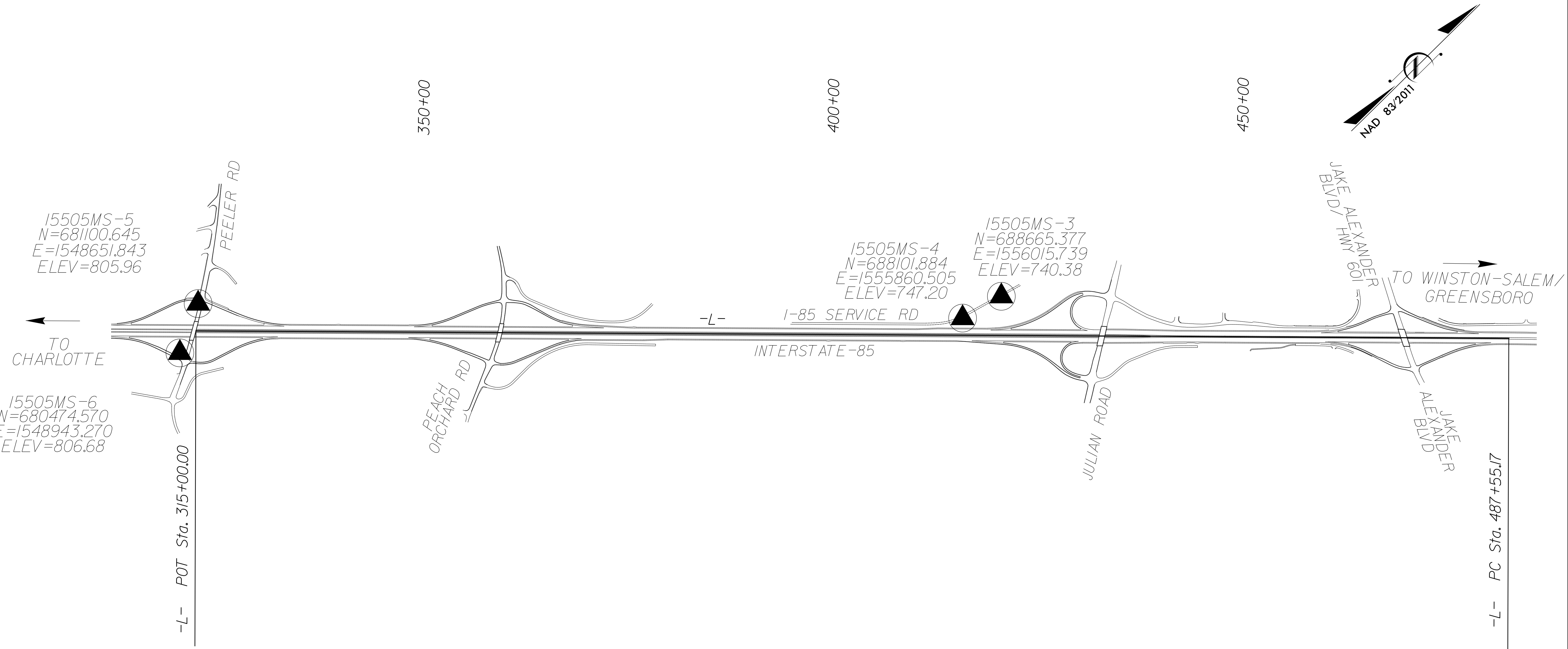
Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	---SS---
Above Ground Sanitary Sewer	---A/G Sanitary Sewer---
SS Forced Main Line LOS B (S.U.E.*)	---FSS---
SS Forced Main Line LOS C (S.U.E.*)	---FSS---
SS Forced Main Line LOS D (S.U.E.*)	---FSS---

MISCELLANEOUS:

Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	□
Utility Unknown U/G Line LOS B (S.U.E.*)	---TU/L---
U/G Tank; Water, Gas, Oil	□
Underground Storage Tank, Approx. Loc.	□
A/G Tank; Water, Gas, Oil	□
Geoenvironmental Boring	⊕
U/G Test Hole LOS A (S.U.E.*)	○
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

SURVEY CONTROL SHEET I-5858

PROJECT REFERENCE NO.	SHEET NO.
I-5858	IC-1
DIVISION 9 DDC	



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "15505MS-3"

WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF
 NORTHING: 688665.377(±) EASTING: 1556015.739(±)
 ELEVATION: 740.38(±)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99996363

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "15505MS-3" TO -L- STATION 315+00.00 IS
 S42°17'4.9" W 10595.12'

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
 VERTICAL DATUM USED IS NAVD 88

BL	POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
6	15505MS 6		680474.5700	1548943.2700	806.68	OUTSIDE PROJECTS LIMITS	
5	15505MS 5		681100.6450	1548651.8430	805.96	315+26.64	359.95 LT
4	15505MS 4		688101.8840	1555860.5050	747.20	415+74.73	225.76 LT
3	15505MS 3		688665.3770	1556015.7390	740.38	420+82.59	515.07 LT

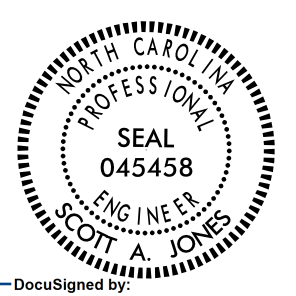
NOTES:
 INDICATES GEODETIC CONTROL MONUMENTS USED OR SET FOR HORIZONTAL PROJECT CONTROL BY THE NCDOT DIVISION 9 DDC UNIT.
 PROJECT CONTROL ESTABLISHED USING GLOBAL POSITIONING SYSTEM.

NOTE: DRAWING NOT TO SCALE

5/14/99
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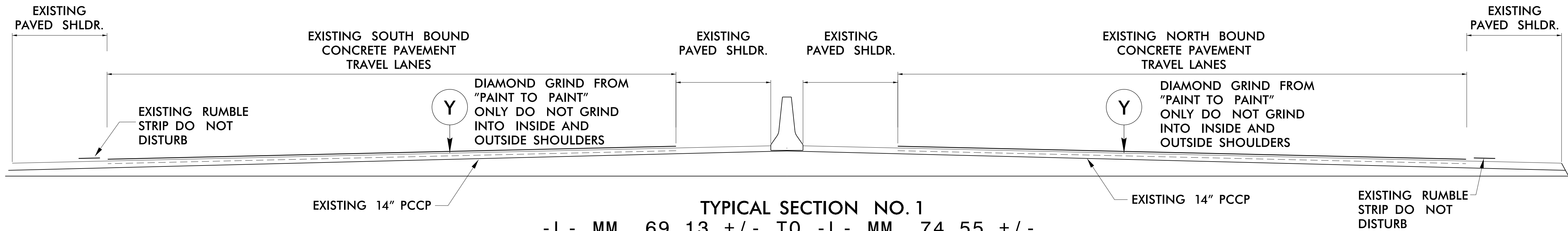
8/17/99

PAVEMENT SCHEDULE

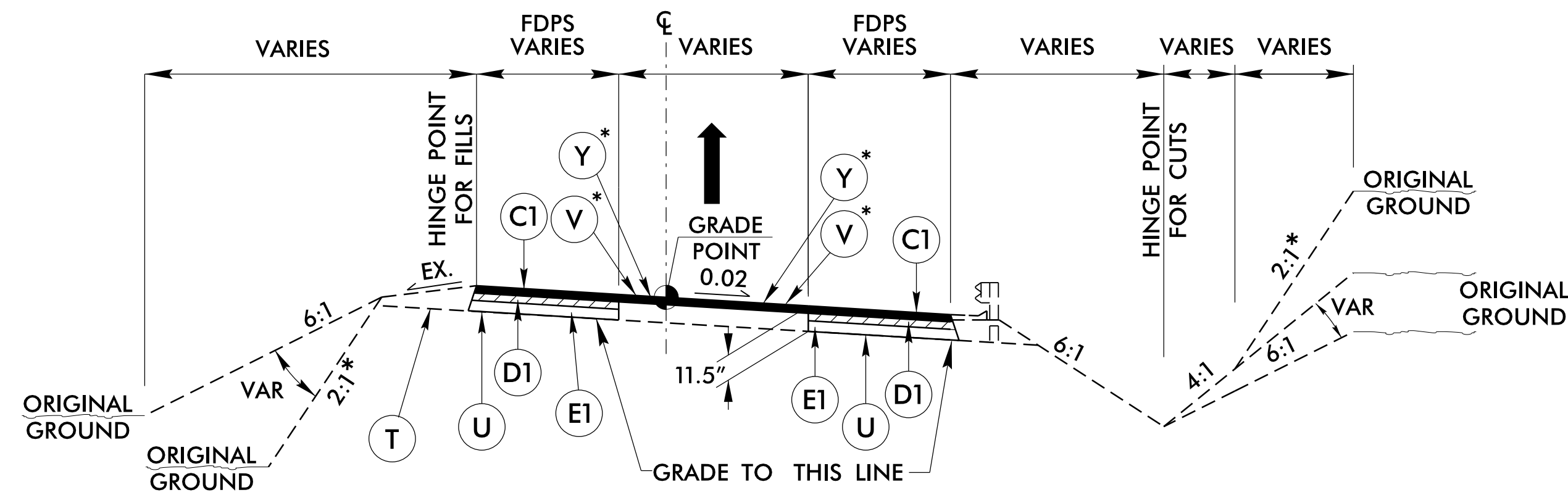
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RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
	
Scott Jones 4/5/2019 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

C1	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.	T	EXISTING EARTH MATERIAL
D1	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.	U	EXISTING PAVEMENT (VARIES FROM 8.5" TO 12.5" DEPTH)
E1	PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.	V	3" MILLING
J1	PROP. VARIABLE DEPTH AGGREGATE BASE COURSE	Y	DIAMOND GRINDING
R1	PROP. SHOULDER BERM GUTTER		

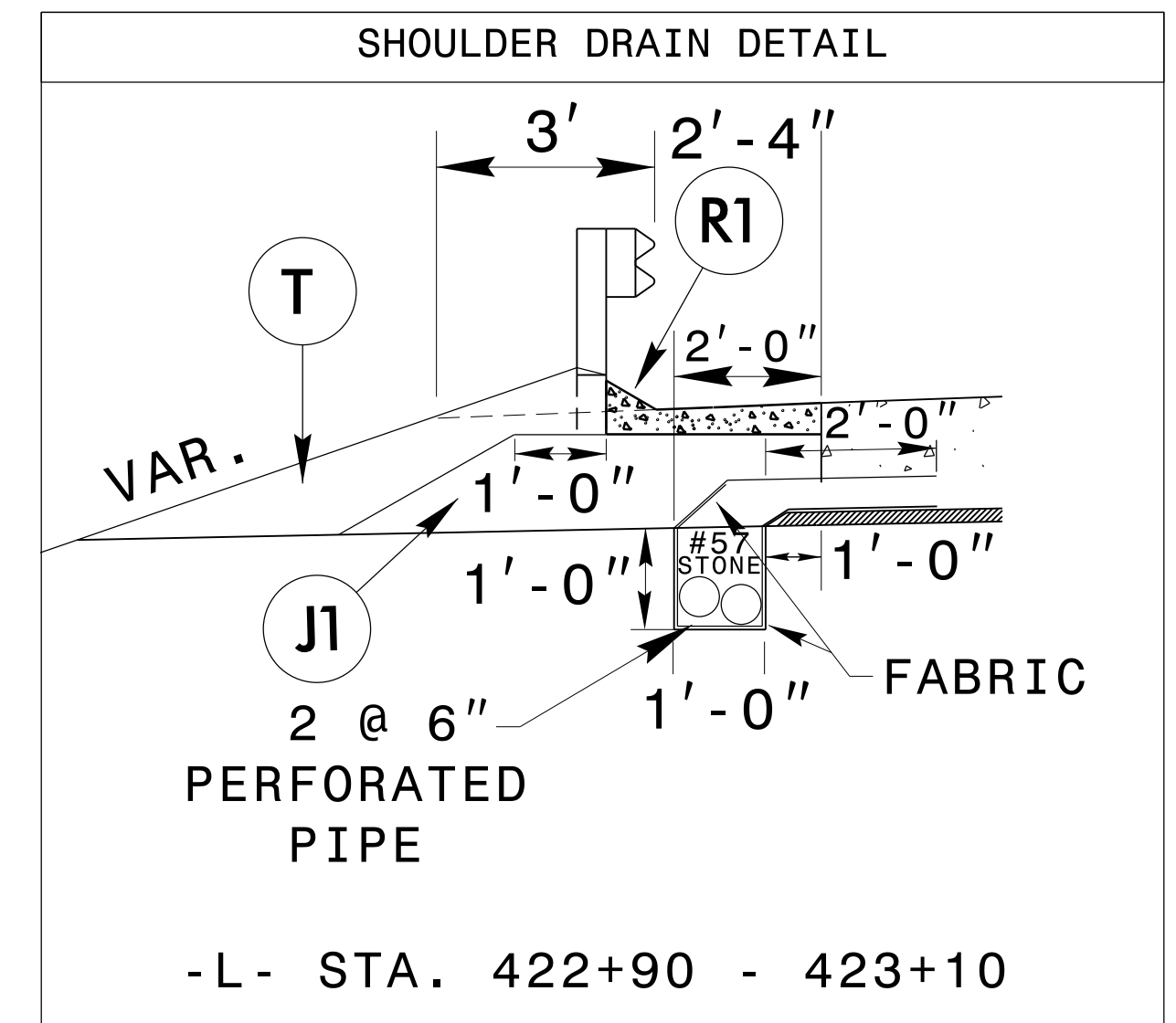
NOTE: PAV. EDGES ARE 1:1 UNLESS SHOWN OTHERWISE.



-L- MM. 69.13 +/- TO -L- MM. 74.55 +/-
 -L- MM. 75.64 +/- TO -L- MM. 80.86 +/-
 I-85 - NORTH BOUND
 I-85 - SOUTH BOUND



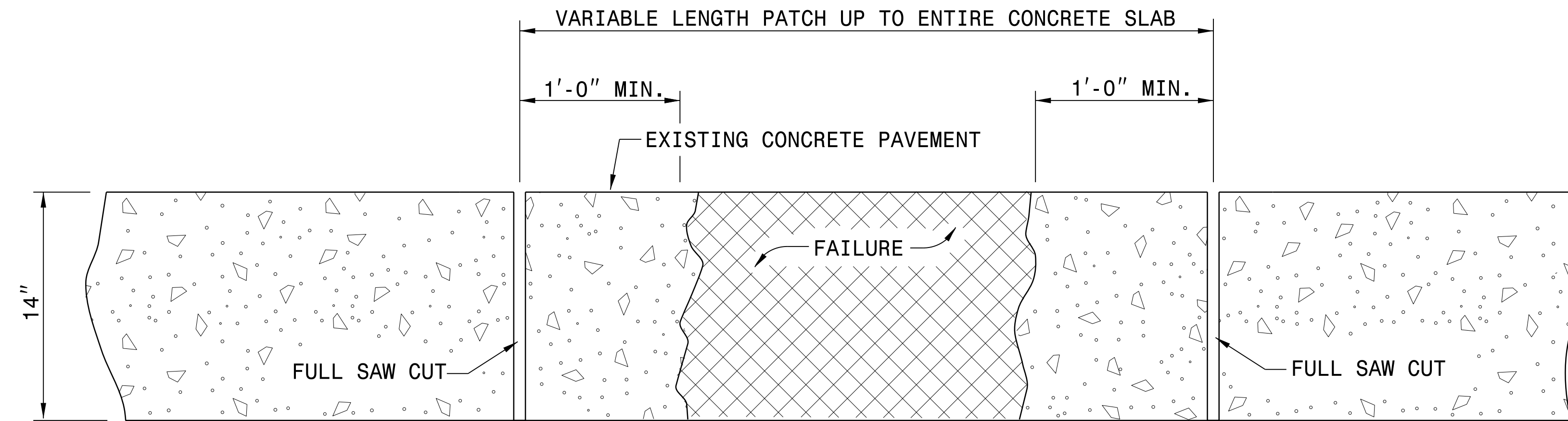
* NOTE: DIAMOND GRIND EXISTING PCCP IN TRAVEL LANES, IN LIEU OF 3" S9.5C MILL & FILL



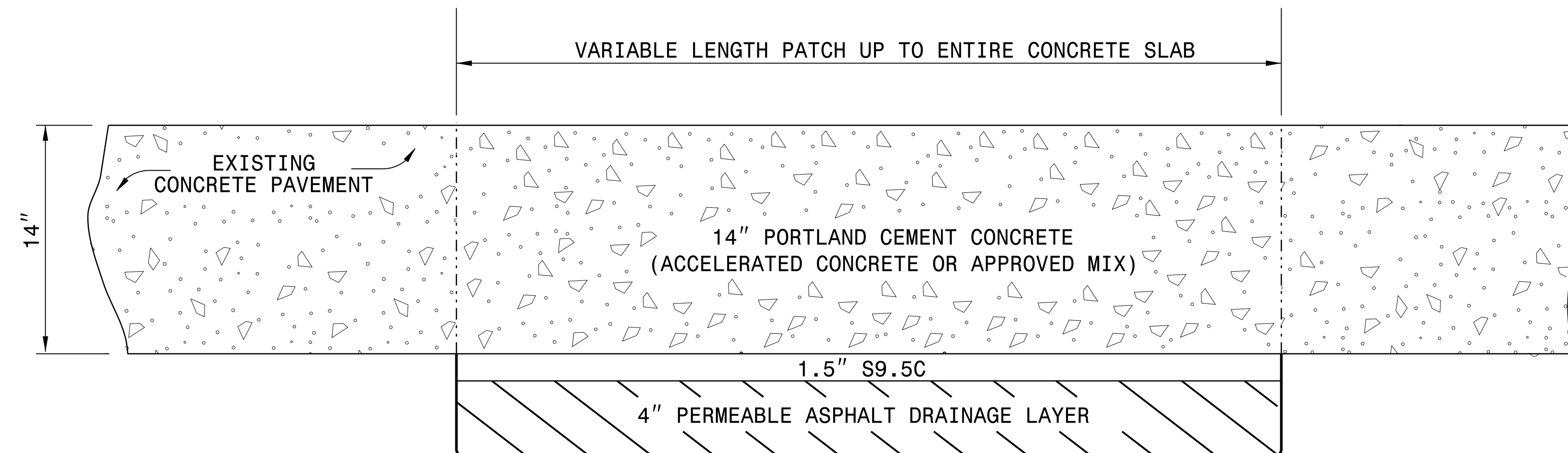
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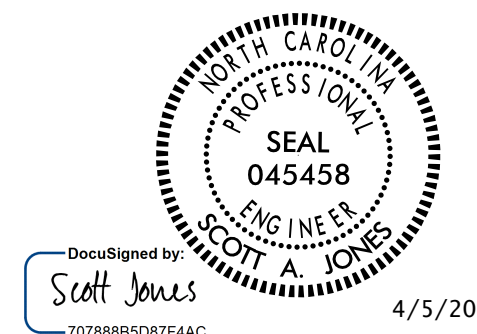


DETAIL OF SAW CUTS



DETAIL OF CONCRETE PAVEMENT REPAIR

* DIMENSIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED



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Scott Jones
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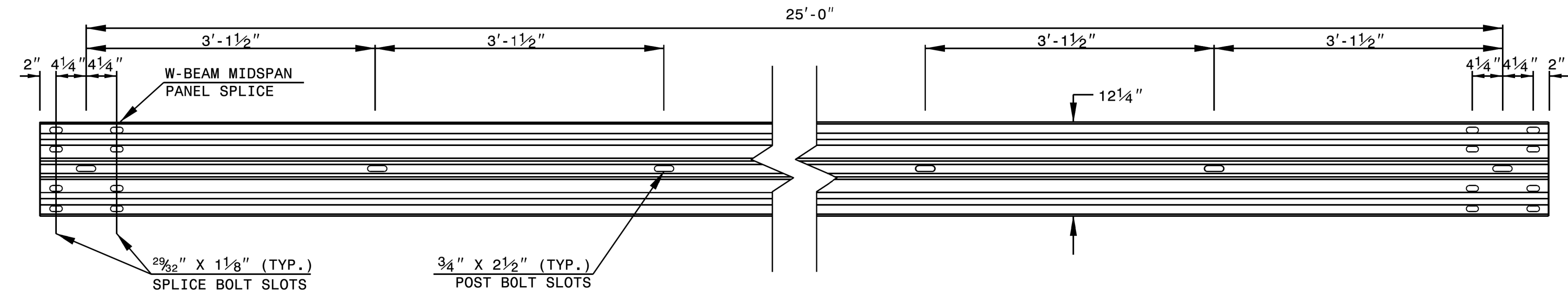
**SLAB REPAIR DETAIL FOR
14" PORTLAND CEMENT
CONCRETE PAVEMENT**

ORIGINAL BY: _____	DATE: _____
MODIFIED BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____
FILE SPEC.: _____	

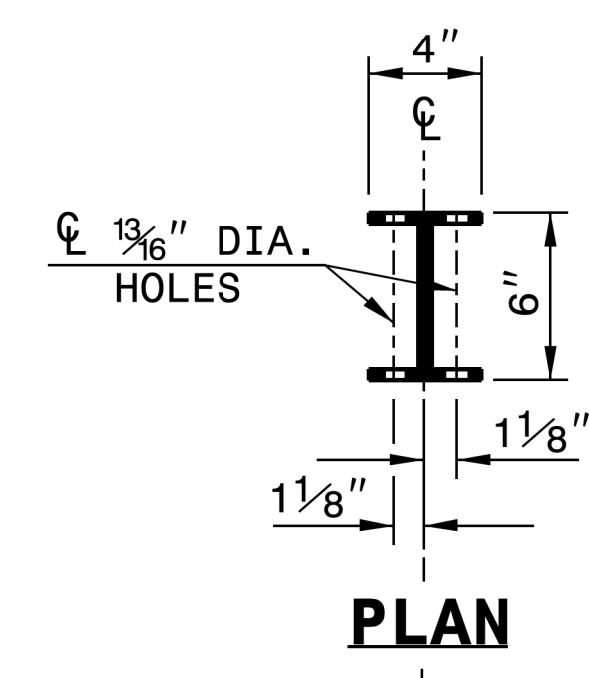
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

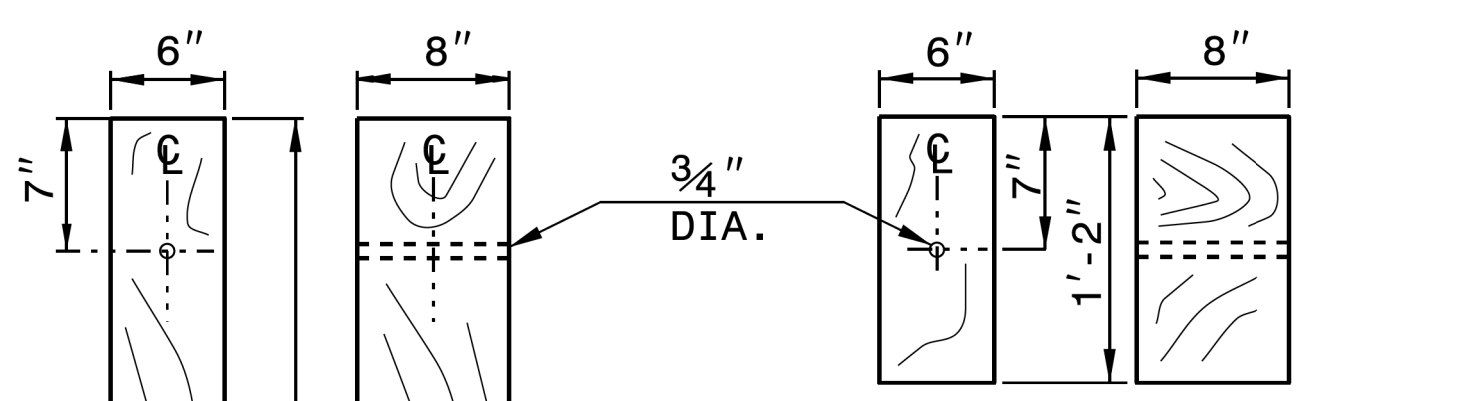
SHEET 6 OF 8
862D02



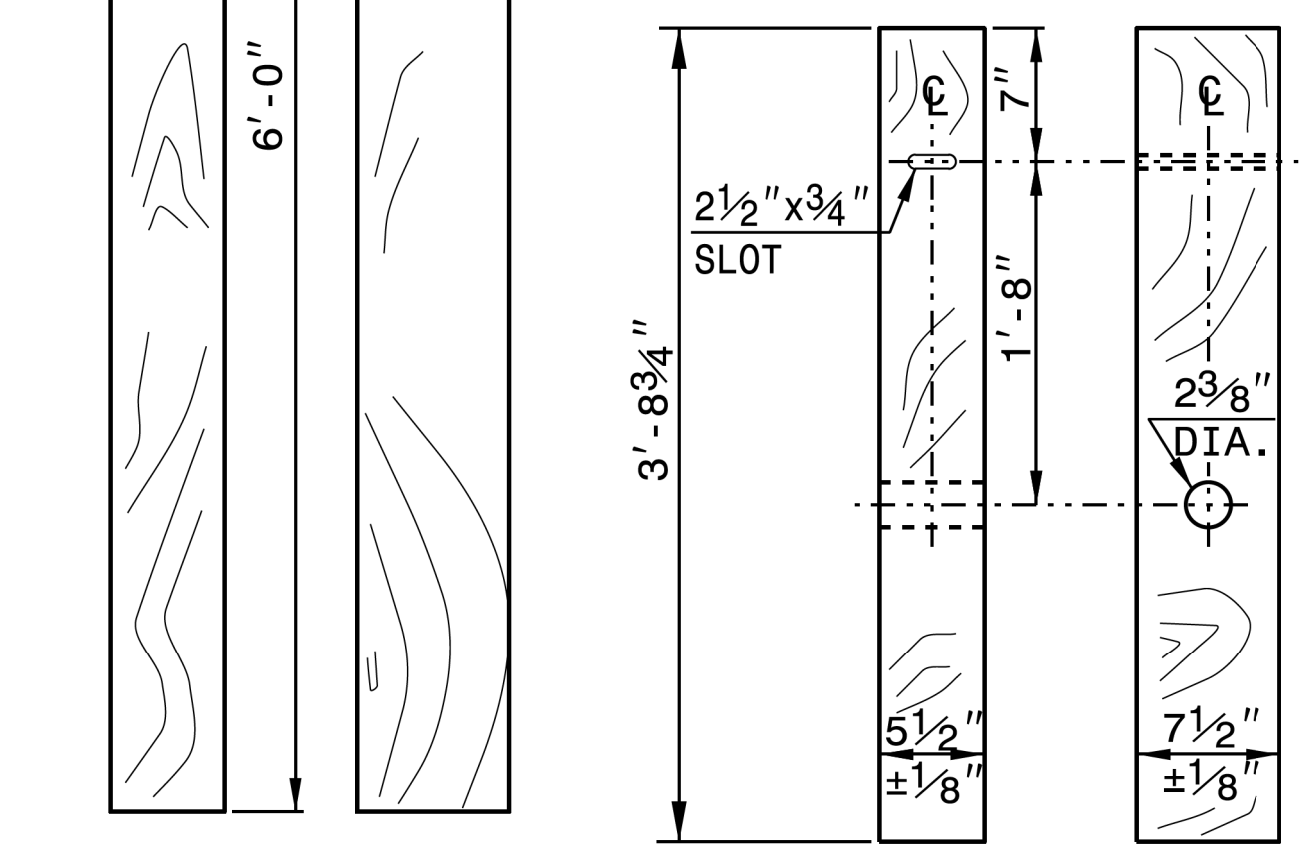
STANDARD W-BEAM GUARDRAIL



PLAN

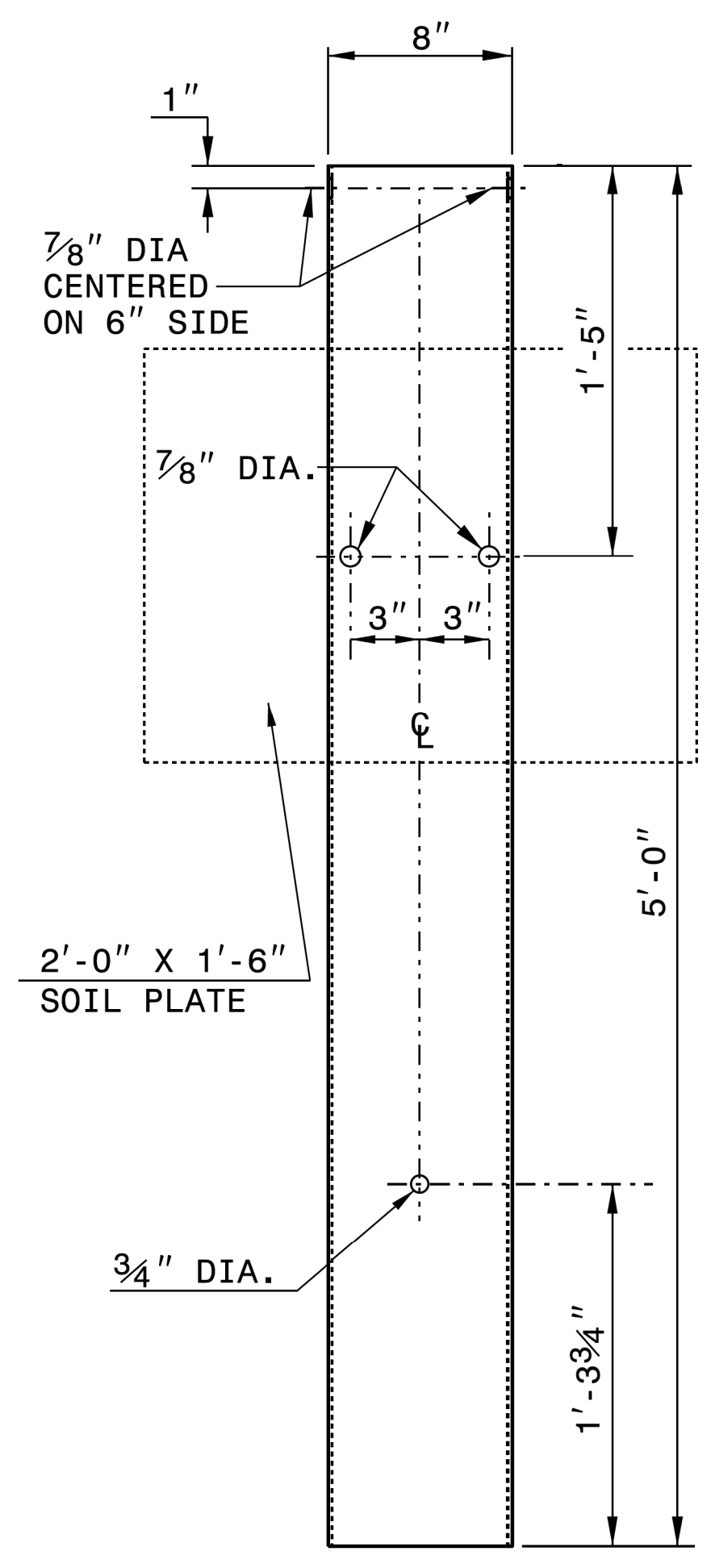


WOOD OFFSET BLOCK
(FOR WOOD POSTS)

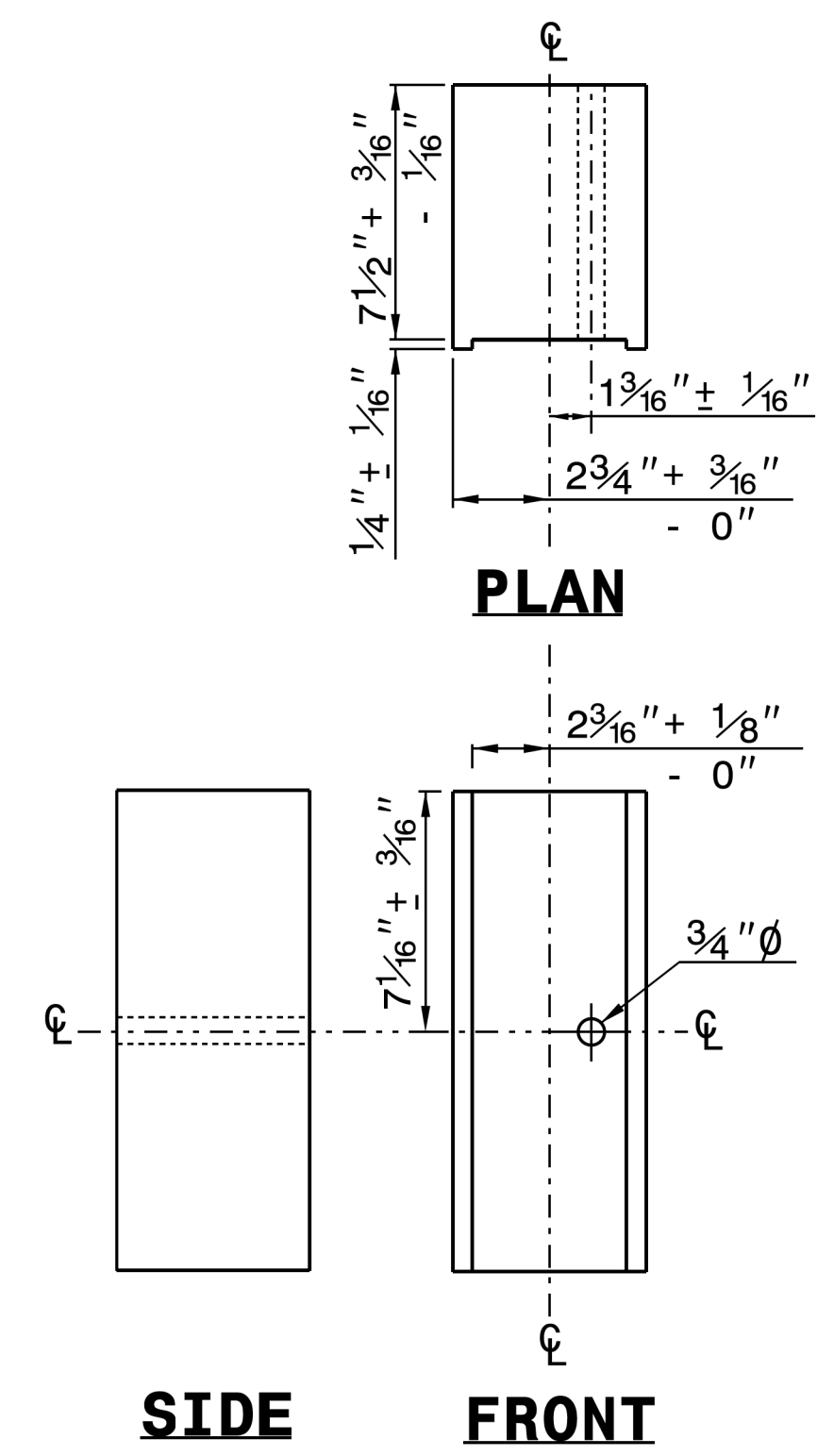


**STANDARD
LINE POST**

**SHORT WOOD
BREAKAWAY POST**



STEEL TUBE
TS 6"x8"x0.1875"

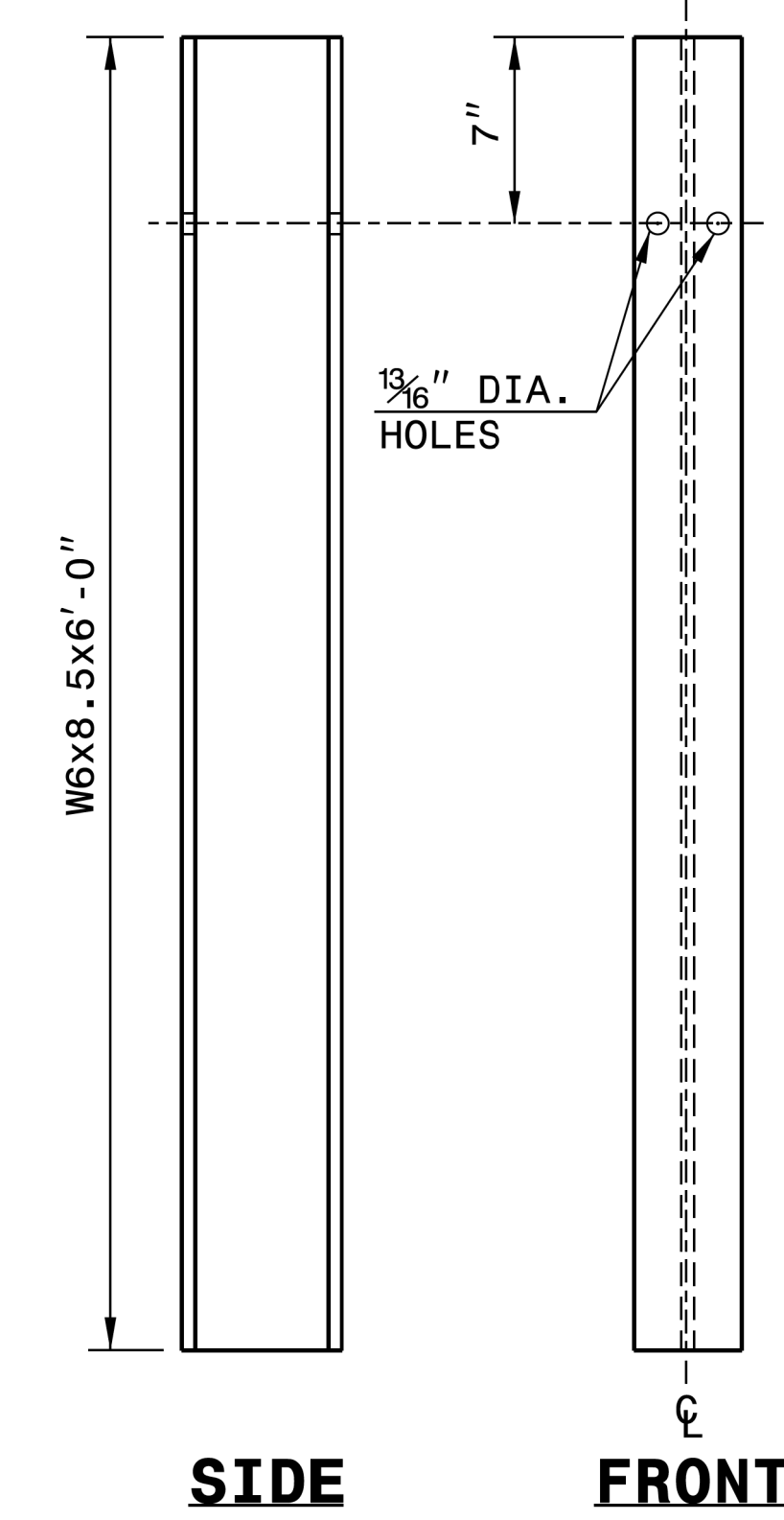


PLAN

SIDE

FRONT

**ROUTED
OFFSET BLOCK**



SIDE

FRONT

"W6" STEEL POST

SYSTEM PARTS

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

SHEET 6 OF 8
862D02

5/14/99
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DocuSigned by:
J. Howerton 3/11/2019

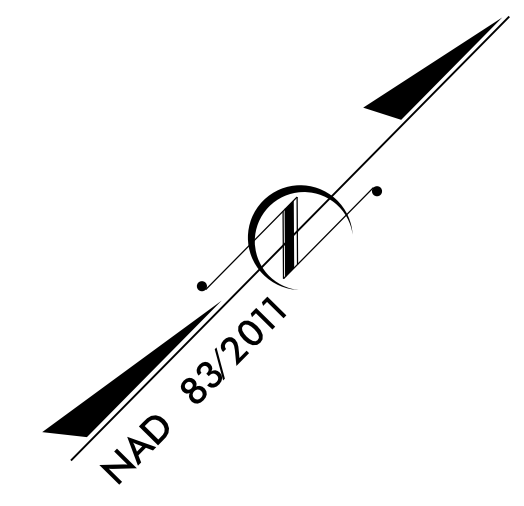
**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

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 MODIFIED BY: DATE: _____
 CHECKED BY: DATE: _____
 FILE SPEC.: _____

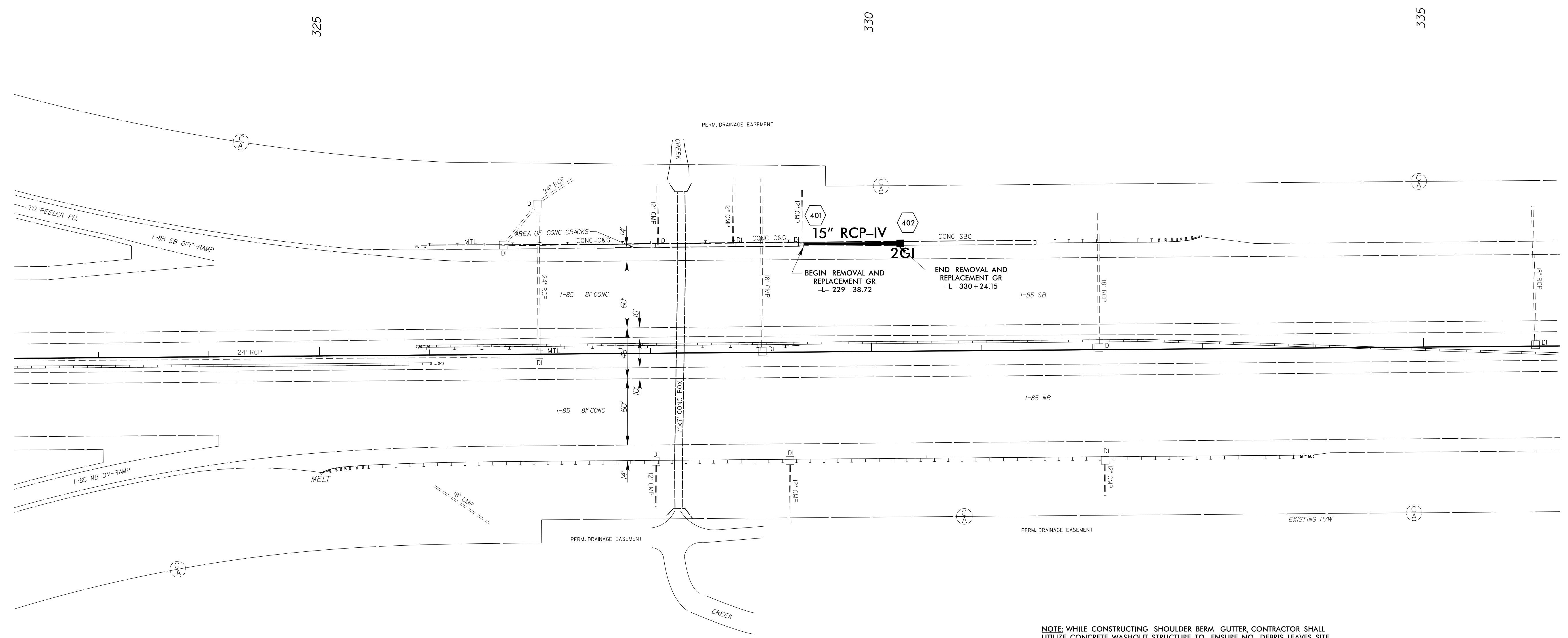
8/17/99

PROJECT REFERENCE NO.		SHEET NO.	
1-5858		4	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
Documented by: <i>Scott Jones</i> 3/11/2019			
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REVISIONS

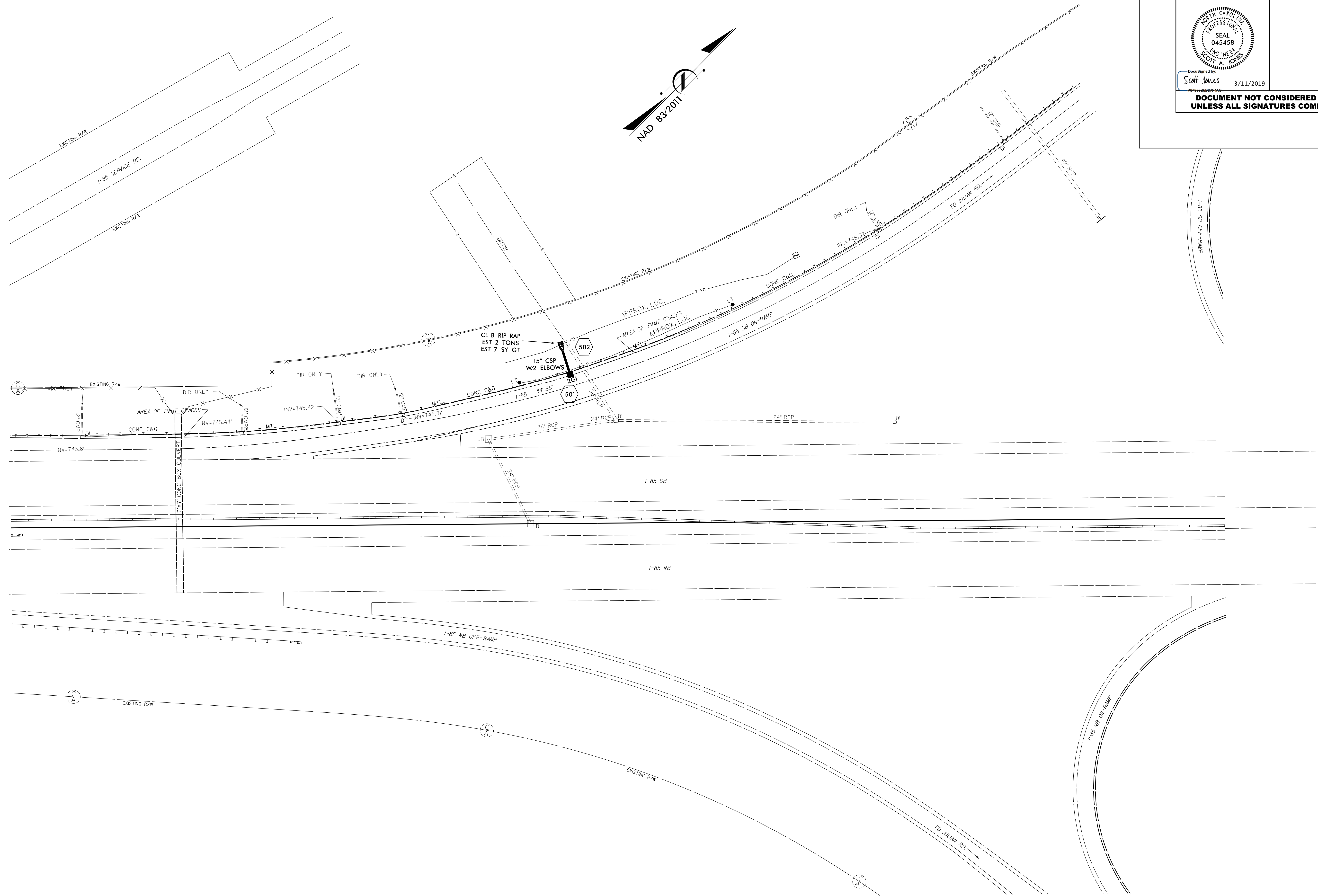
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 \$\$\$USERNAME\$\$\$



NOTE: WHILE CONSTRUCTING SHOULDER BERM GUTTER, CONTRACTOR SHALL UTILIZE CONCRETE WASHOUT STRUCTURE TO ENSURE NO DEBRIS LEAVES SITE

REVISIONS

I:\MAR-2019\1018
5-1-2019\Development\TIP_Projects\1-5858-185-Rowan\Roadway\Design_Files\18558_dde_psh_5.dgn
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PROJECT REFERENCE NO. 1-5858	SHEET NO. 5
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

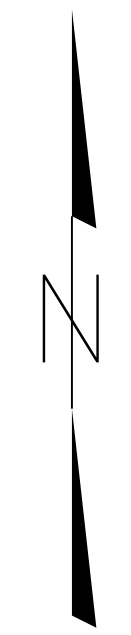
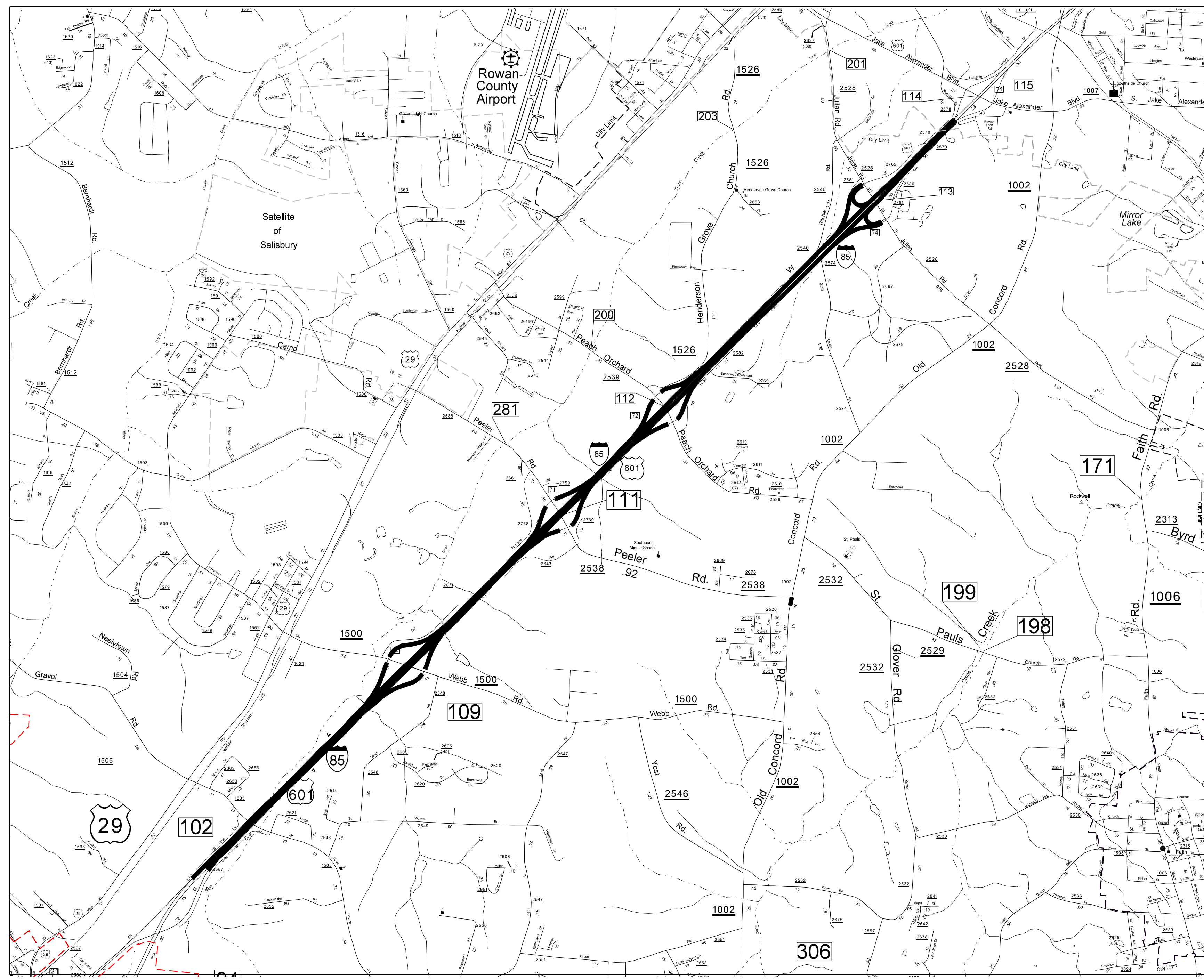
Seal of Scott A. Jones, License No. 045458, State of North Carolina.

Documented by: Scott Jones 3/11/2019

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



PROJECT REFERENCE NO.	SHEET NO.
1-5858	6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DocuSigned by: <i>Scott Jones</i> 3/11/2019	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

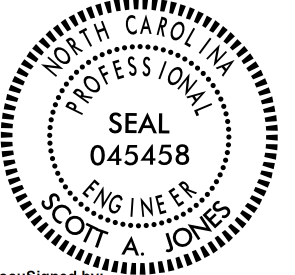


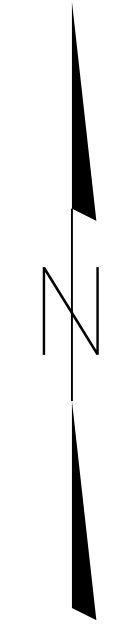
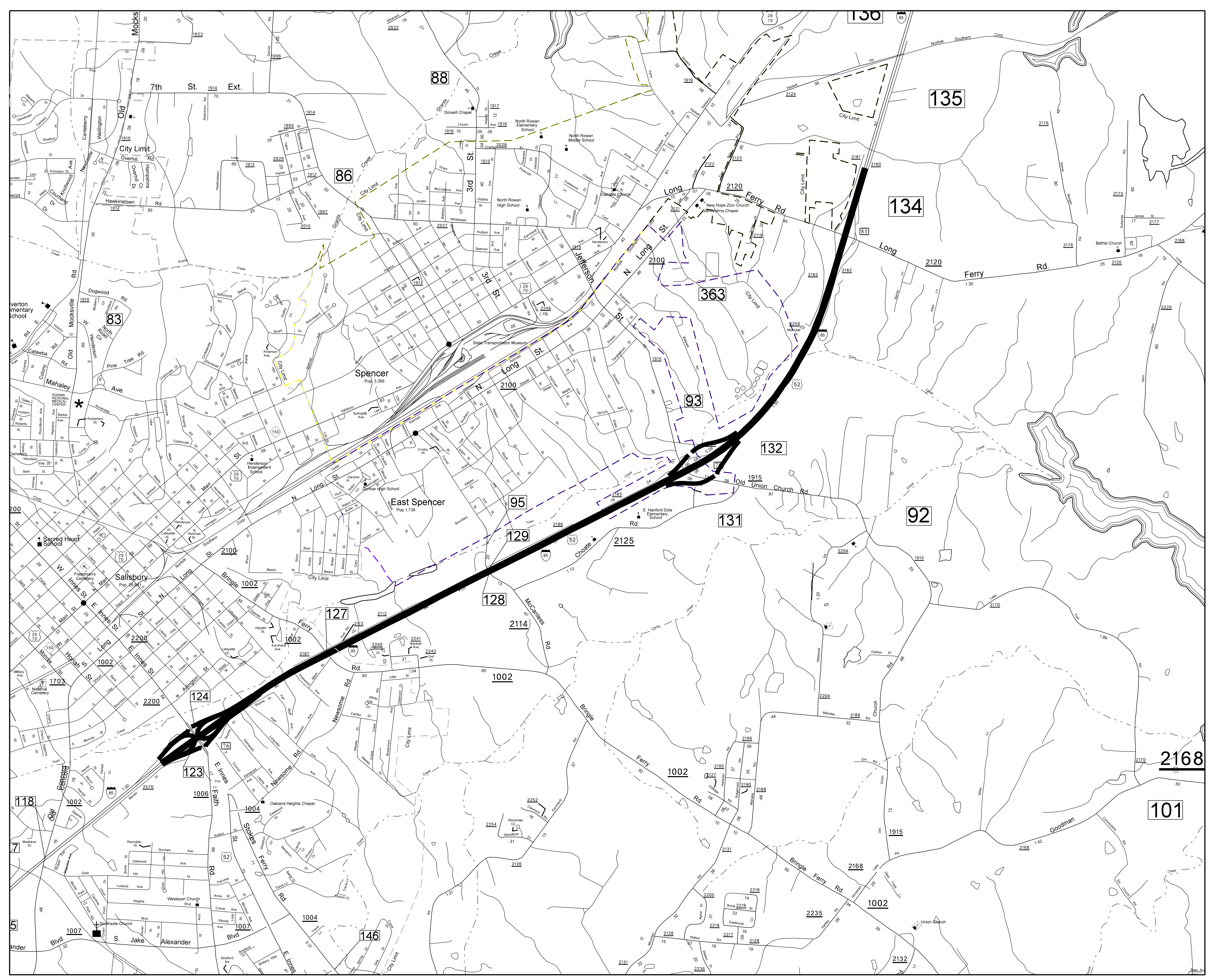
- WEBB ROAD RAMP (ASPHALT TRAVEL LANES, ASPHALT SHOULDERS)**
MILL & FILL 3" S9.5C TRAVEL LANES, FULL DEPTH REHAB SHOULDERS (SEE RAMP TYPICAL ON 2A-1)
- PEELER ROAD RAMP (CONCRETE TRAVEL LANES, CONCRETE SHOULDERS, TRANSITIONS TO ASPHALT AT TOP OF RAMP APPROX. 150' FROM PT)**
DIAMOND GRIND TRAVEL LANES (CONCRETE PORTION), MILL & FILL 3" S9.5C TRAVEL LANES (ASPHALT PORTION), FULL DEPTH REHAB ASPHALT SHOULDERS (SEE RAMP TYPICAL ON 2A-1)
- PEACH ORCHARD ROAD RAMP (CONCRETE TRAVEL LANES, CONCRETE SHOULDERS, TRANSITIONS TO ASPHALT AT TOP OF RAMP AT PT)**
DIAMOND GRIND TRAVEL LANES (CONCRETE PORTION), MILL & FILL 3" S9.5C TRAVEL LANES (ASPHALT PORTION), FULL DEPTH REHAB ASPHALT SHOULDERS (SEE RAMP TYPICAL ON 2A-1)
- JULIAN ROAD RAMP (CONCRETE TRAVEL LANES, CONCRETE SHOULDERS, TRANSITIONS TO ASPHALT AT TOP OF RAMP AT PT)**
DIAMOND GRIND TRAVEL LANES (CONCRETE PORTION), MILL & FILL 3" S9.5C TRAVEL LANES (ASPHALT PORTION), FULL DEPTH REHAB ASPHALT SHOULDERS (SEE RAMP TYPICAL ON 2A-1)

ROWAN COUNTY
NORTH CAROLINA

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PROJECT REFERENCE NO. 1-5858	SHEET NO. 7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
	
DocuSigned by: <i>Scott Jones</i> 3/11/2019	
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INNES STREET (ASPHALT TRAVEL LANES, ASPHALT SHOULDERS)

MILL & FILL 3" S9.5C TRAVEL LANES, FULL DEPTH REHAB SHOULDERS (SEE RAMP TYPICAL ON 2A-1)

OLD UNION CHURCH ROAD (CONCRETE TRAVEL LANES, CONCRETE SHOULDERS)

DIAMOND GRIND EXISTING TRAVEL LANES

LONG FERRY ROAD RAMP (ASPHALT TRAVEL LANES, ASPHALT SHOULDERS)

MILL & FILL 3" S9.5C TRAVEL LANES, FULL DEPTH REHAB SHOULDERS (SEE RAMP TYPICAL ON 2A-1)

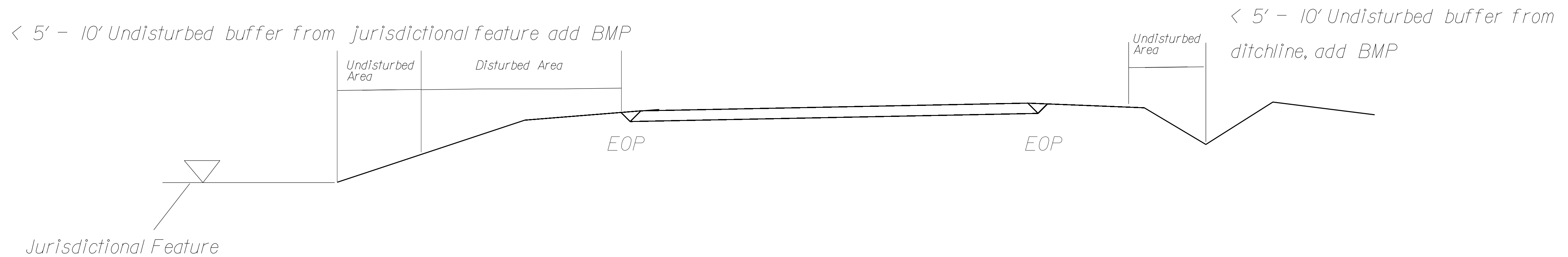
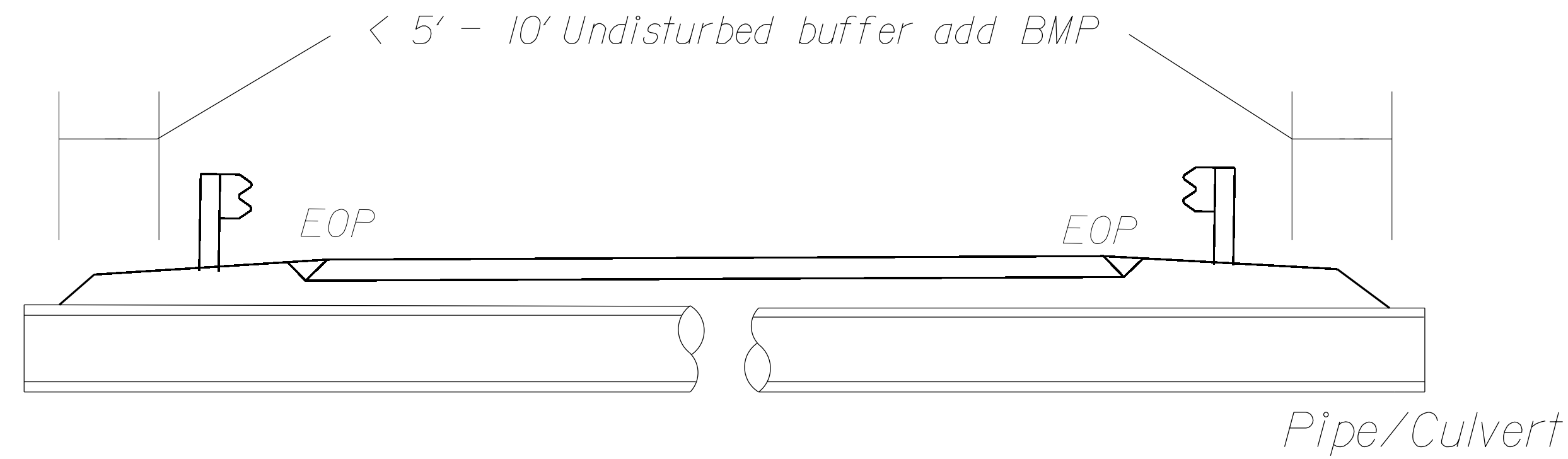
ROWAN COUNTY
NORTH CAROLINA

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NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

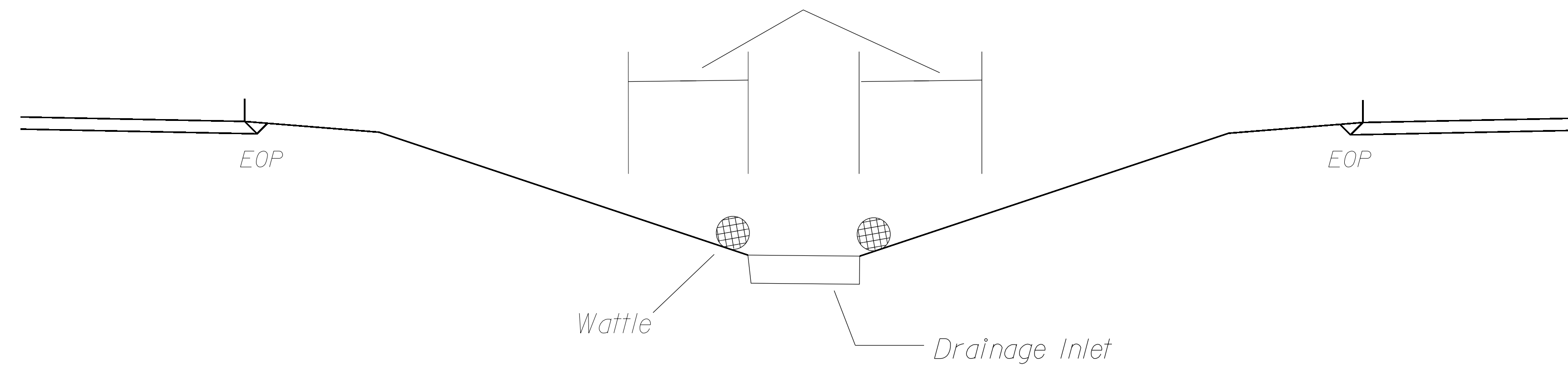
EROSION CONTROL DETAIL



Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed



< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

REVISIONS

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