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09/08/17

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

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

JOHNSTON COUNTY

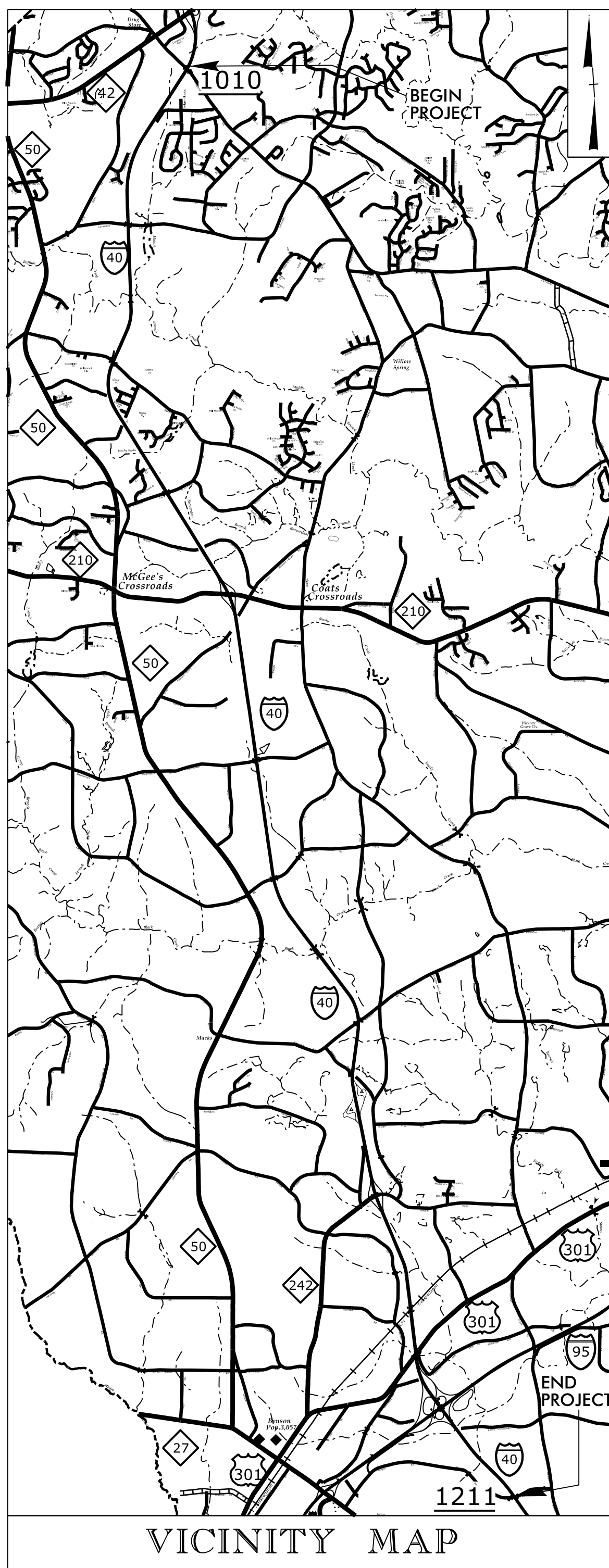
LOCATION: I-40 FROM SR 1010 (CLEVELAND ROAD) TO WEST OF SR 1211 (MORGAN ROAD)

TYPE OF WORK: PAVEMENT REHABILITATION, BRIDGE REHABILITATION, AND SIGNALS

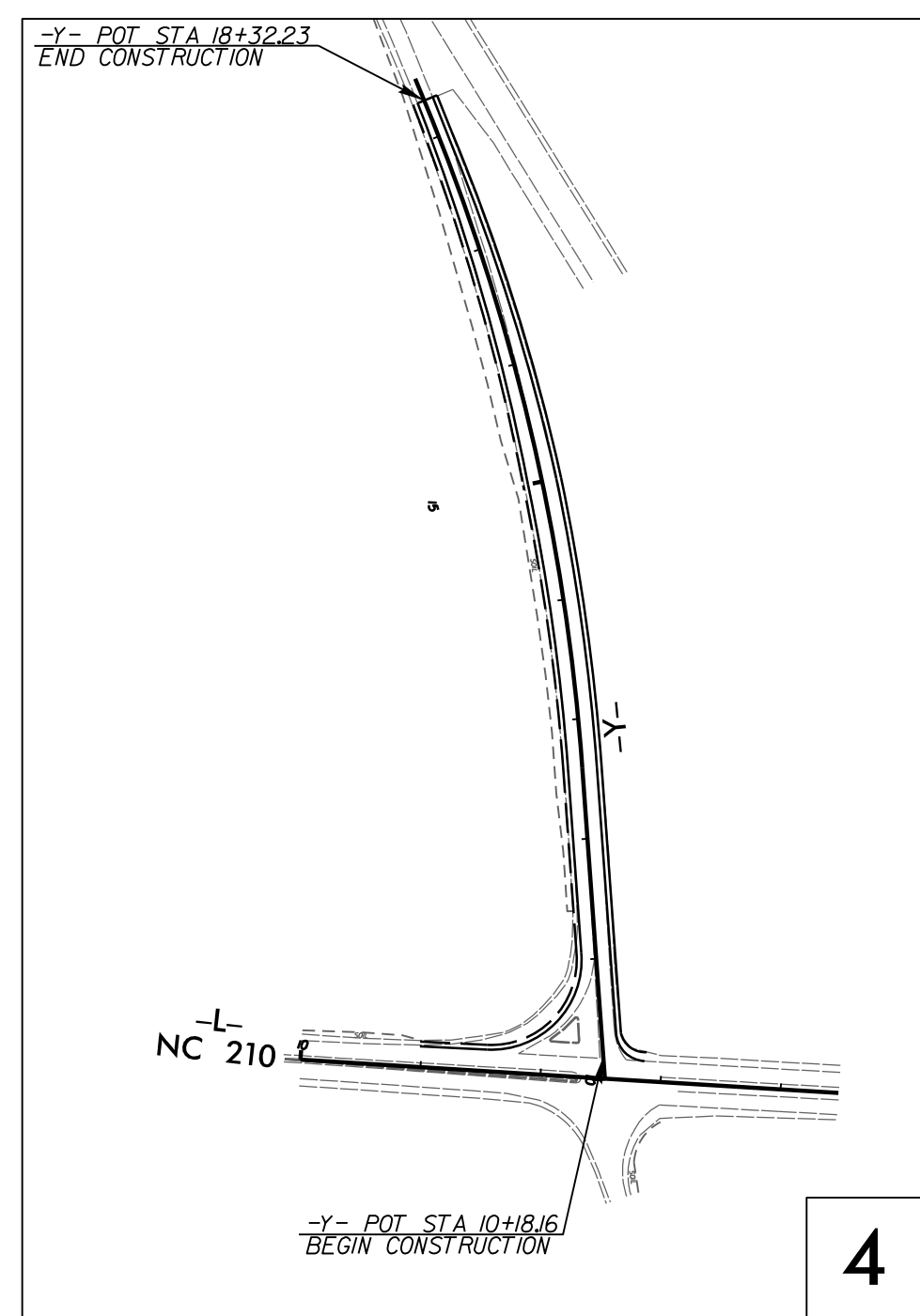
| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|-----------------|-----------------------------|-------------|--------------|
| N.C. | I-5781 | 1 | |
| STATE PROJ. NO. | F.A. PROJ. NO. | DESCRIPTION | |
| 53022.1.1 | NHPIM-0040(050) | PE | |
| 53022.3.1 | NHPIM-0040(050) | CONST. | |
| | | | |
| | | | |
| | | | |

TIP PROJECT: I-5781

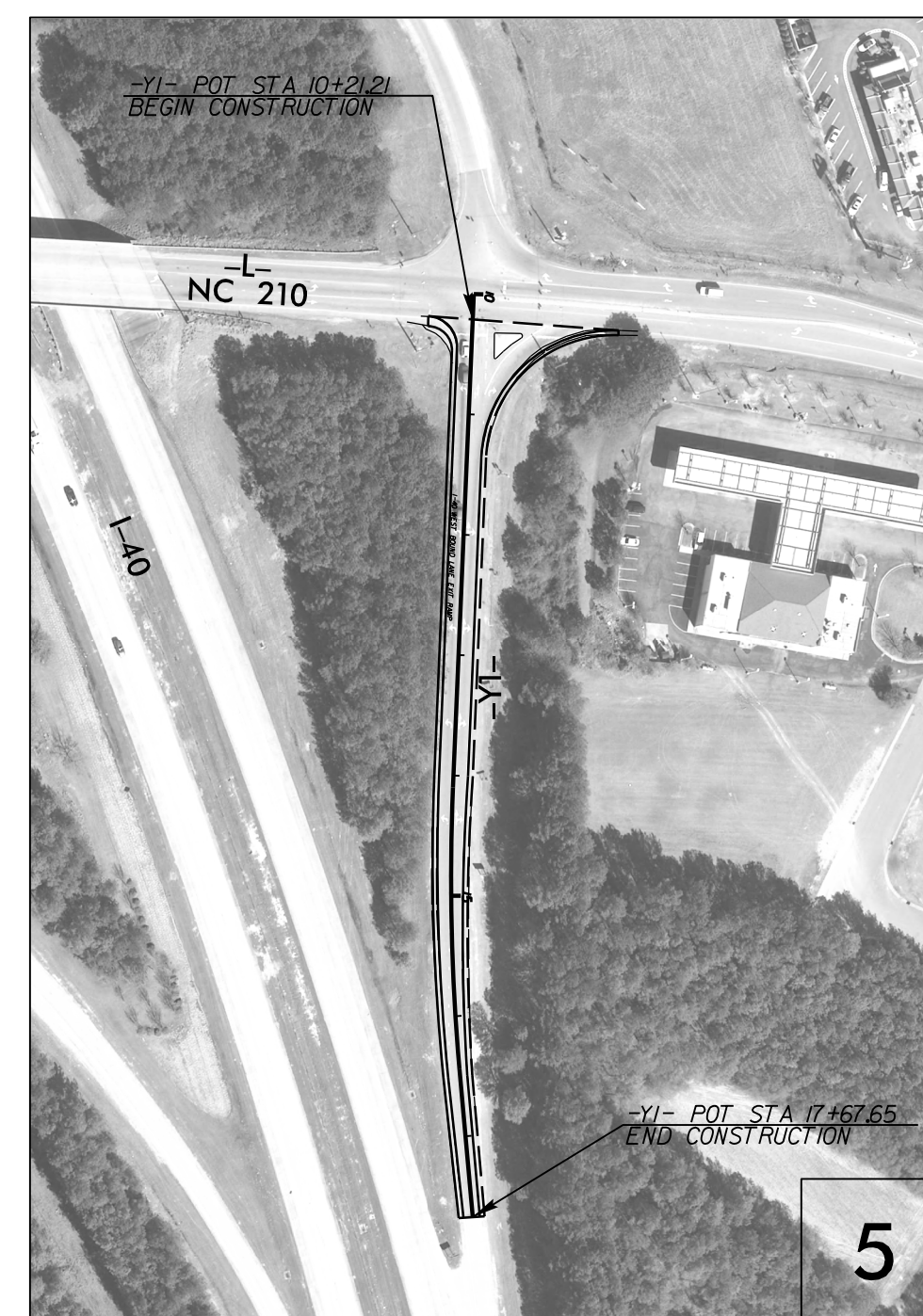
CONTRACT: C203977



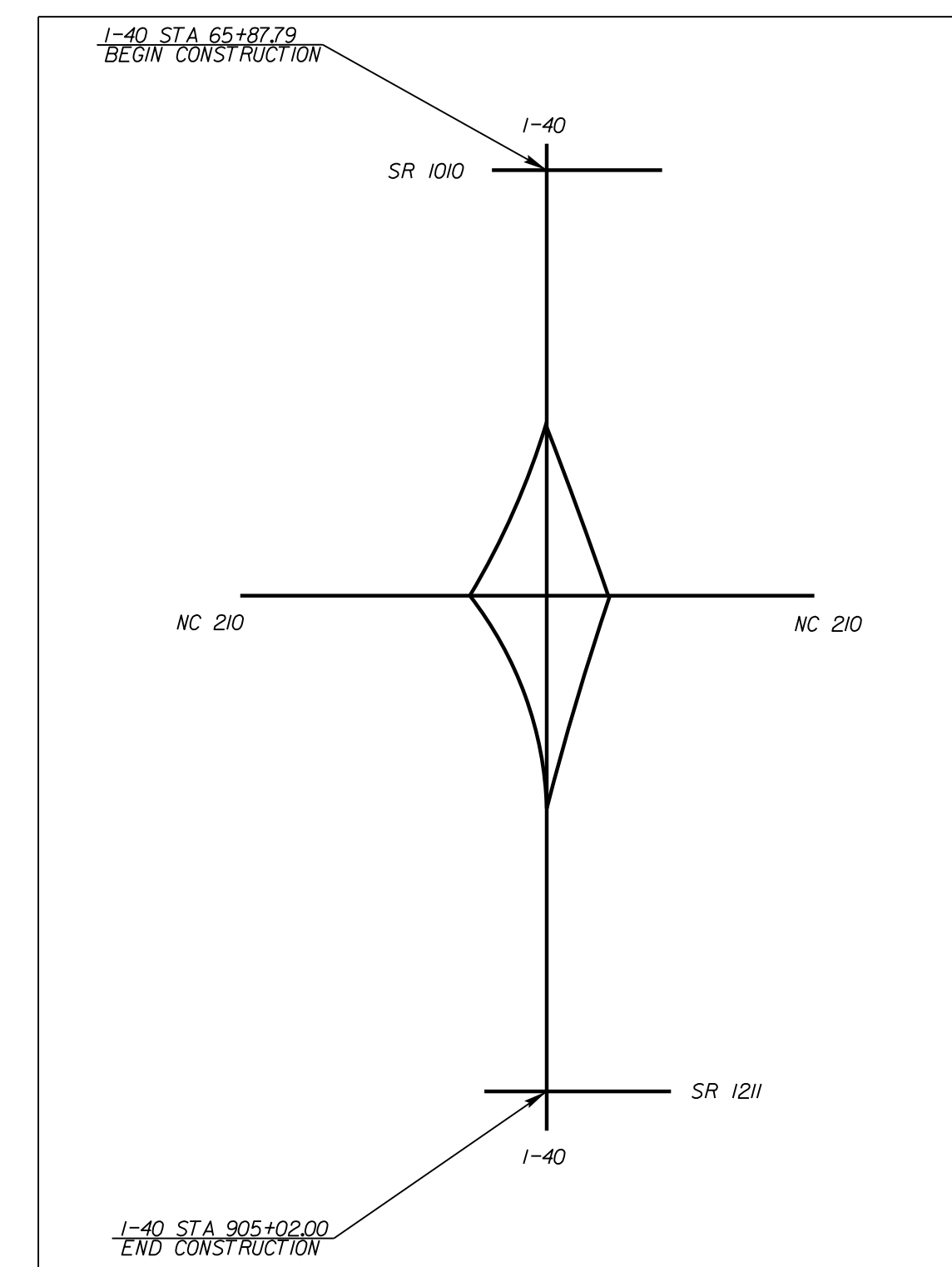
VICINITY MAP



4

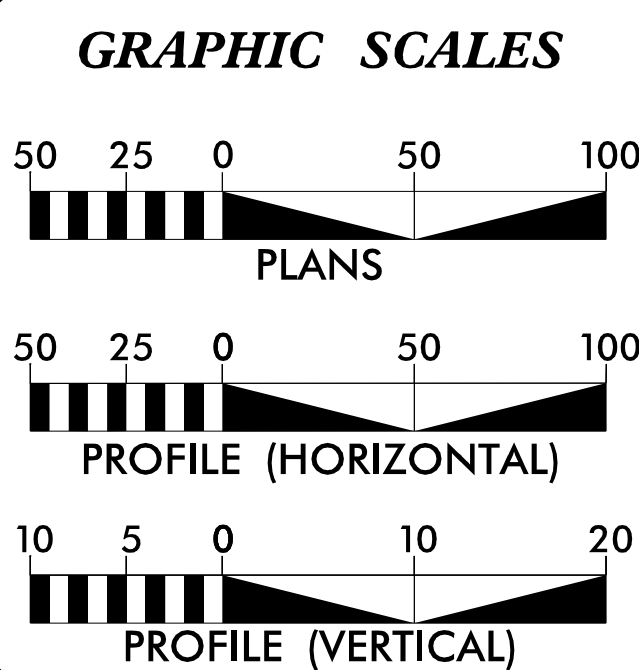


5



NAD 83/NA 2011

THIS IS A CONTROLLED-ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.



DESIGN DATA
 ADT 2017 = 50,000

 FUNC CLASS = INTERSTATE

PROJECT LENGTH
 TOTAL LENGTH OF TIP PROJECT I-5781 = 15.893 MILES

Prepared in the Office of:

SEPI
 ENGINEERING & CONSTRUCTION
 1025 Wade Avenue
 Raleigh, NC 27605
 Tel: 919-789-9977
 Fax: 919-789-9591
 License: C-2197

2012 STANDARD SPECIFICATIONS

STEVE SCOTT, PE
 PROJECT ENGINEER

IMAD YOUNIS
 PROJECT DESIGN ENGINEER

MATT CLARKE, PE
 NCDOT CONTACT

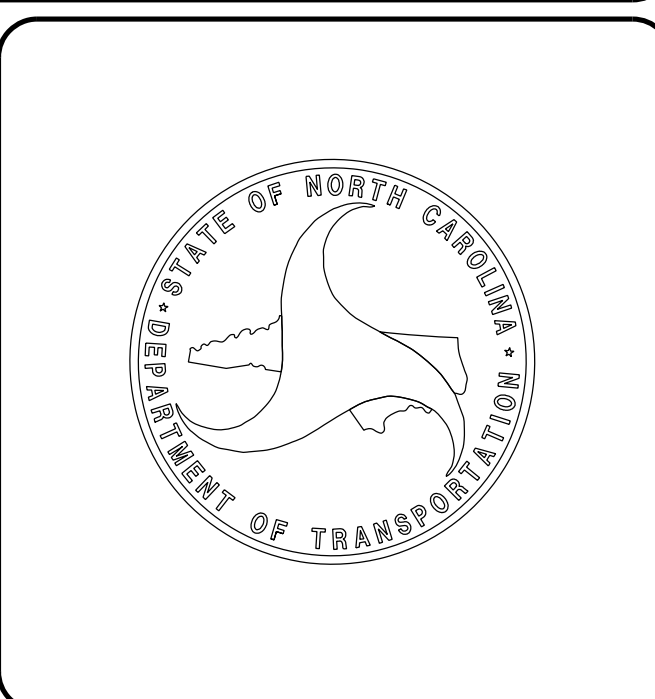
RIGHT OF WAY DATE:

LETTING DATE:
 OCTOBER 17, 2017

ROADWAY DESIGN ENGINEER

7/31/2017

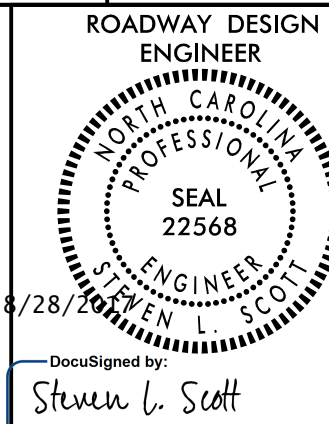
DocuSigned by:
 Steven L. Scott
 SIGNATURE



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEPI
 ENGINEERING &
 CONSTRUCTION

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 Raleigh, NC 27605
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 Fax: 919-789-9591
 License: C-2197

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| PROJECT REFERENCE NO. I-5781 | SHEET NO. 1A |
| ROADWAY DESIGN ENGINEER  SEAL 22568 8/28/2017 Steven L. Scott DocuSigned by: Steven L. Scott | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

| SHEET NUMBER | INDEX OF SHEETS SHEET |
|-------------------|------------------------------------------------------------------------------------------------------------|
| 1 | TITLE SHEET |
| 1A | INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS |
| 1B | CONVENTIONAL PLAN SHEET SYMBOLS |
| 1C-1 | SURVEY CONTROL SHEET |
| 2A-1 | PAVEMENT SCHEDULE AND TYPICAL SECTIONS |
| 3B-1 | SUMMARY OF EARTHWORK, REMOVAL OF ASPHALT PAVEMENT SUMMARY, AND SUMMARY OF AGGREGATE SUBGRADE/STABILIZATION |
| 4 THRU 5 | PLAN SHEETS |
| 6 | PROFILE SHEET |
| TMP-1 THRU TMP-20 | TRANSPORTATION MANAGEMENT PLANS |
| PMP-1 THRU PMP-2 | PAVEMENT MARKING PLANS |
| EC-1 THRU EC-2 | EROSION CONTROL PLANS |
| SIG-1 THRU SIG-5 | SIGNAL PLANS |

GENERAL NOTES:

2012 SPECIFICATIONS
 EFFECTIVE: 01-17-2012
 REVISED: 01-24-2017

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. 560.01

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.

TEMPORARY SHORING:
 SHORING REQUIRED FOR THE MAINTENANCE OF TRAFFIC WILL BE PAID FOR AS "EXTRA WORK" IN ACCORDANCE WITH SECTION 104-7.

SUBSURFACE PLANS:
 NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS. ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS.

2012 ROADWAY ENGLISH STANDARD DRAWINGS

EFF. 01-17-2012
 REV. 02-29-2016

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated January, 2012 are applicable to this project and by reference hereby are considered a part of these plans:

| STD. NO. | TITLE |
|-----------------------------------------------|-------------------------------------------------------------------------------|
| DIVISION 2 - EARTHWORK | |
| 225.01 | Guide for Grading Subgrade - Interstate and Freeway |
| DIVISION 5 - SUBGRADE, BASES AND SHOULDERS | |
| 560.01 | Method of Shoulder Construction - High Side of Superelevated Curve - Method 1 |
| DIVISION 7 - CONCRETE PAVEMENTS AND SHOULDERS | |
| 700.01 | Concrete Pavement Joints - Construction and Contraction Joints |
| 700.03 | Dowel Assembly |
| 700.04 | Concrete Pavement Header Board |
| 700.05 | Tying Proposed Pavement to Existing |
| 710.01 | Concrete Pavement - Station Marking |

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

12/2/2016

BOUNDARIES AND PROPERTY:

| | |
|---------------------------------------|-------------|
| State Line | ----- |
| County Line | ----- |
| Township Line | ----- |
| City Line | ----- |
| Reservation Line | ----- |
| Property Line | ----- |
| Existing Iron Pin | ○ EIP |
| Computed 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 | ▽ |
| Proposed Lateral, Tail, Head Ditch | ▬ |
| False Sump | ▽ |

RAILROADS:

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

RIGHT OF WAY & PROJECT CONTROL:

| | |
|-----------------------------------------------------------|-------|
| Secondary Horiz and Vert Control Point | ◆ |
| Primary Horiz Control Point | ○ |
| Primary Horiz and Vert Control Point | ● |
| Exist Permanent Easement Pin and Cap | ◇ |
| New Permanent Easement Pin and Cap | ◆ |
| Vertical Benchmark | ⊠ |
| Existing Right of Way Marker | △ |
| Existing Right of Way Line | ----- |
| New Right of Way Line | ----- |
| New Right of Way Line with Pin and Cap | ----- |
| New Right of Way Line with Concrete or Granite R/W Marker | ----- |
| New Control of Access Line with Concrete C/A Marker | ----- |
| Existing Control of Access | ----- |
| New Control of Access | ----- |
| Existing Easement Line | ----- |
| New Temporary Construction Easement | ----- |
| New Temporary Drainage Easement | ----- |
| New Permanent Drainage Easement | ----- |
| New Permanent Drainage / Utility Easement | ----- |
| New Permanent Utility Easement | ----- |
| New Temporary Utility Easement | ----- |
| New Aerial Utility Easement | ----- |

ROADS AND RELATED FEATURES:

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

VEGETATION:

| | |
|--------------|---|
| Single Tree | ☼ |
| Single Shrub | ☼ |

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

| | |
|------------|------------|
| 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 | ----- |

UTILITIES:

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

TELEPHONE:

| | |
|----------------------------------------|-------|
| Existing Telephone Pole | ● |
| Proposed Telephone Pole | ○ |
| Telephone Manhole | ⊕ |
| Telephone Pedestal | ⊠ |
| Telephone Cell Tower | ⊠ |
| U/G Telephone Cable Hand Hole | ----- |
| U/G Telephone Cable LOS B (S.U.E.*) | ----- |
| U/G Telephone Cable LOS C (S.U.E.*) | ----- |
| U/G Telephone Cable LOS D (S.U.E.*) | ----- |
| U/G Telephone Conduit LOS B (S.U.E.*) | ----- |
| U/G Telephone Conduit LOS C (S.U.E.*) | ----- |
| U/G Telephone Conduit LOS D (S.U.E.*) | ----- |
| U/G Fiber Optics Cable LOS B (S.U.E.*) | ----- |
| U/G Fiber Optics Cable LOS C (S.U.E.*) | ----- |
| U/G Fiber Optics Cable LOS D (S.U.E.*) | ----- |

WATER:

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

TV:

| | |
|---------------------------------------|-------|
| TV Pedestal | ⊠ |
| TV Tower | ⊗ |
| U/G TV Cable Hand Hole | ----- |
| U/G TV Cable LOS B (S.U.E.*) | ----- |
| U/G TV Cable LOS C (S.U.E.*) | ----- |
| U/G TV Cable LOS D (S.U.E.*) | ----- |
| U/G Fiber Optic Cable LOS B (S.U.E.*) | ----- |
| U/G Fiber Optic Cable LOS C (S.U.E.*) | ----- |
| U/G Fiber Optic Cable LOS D (S.U.E.*) | ----- |

GAS:

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

SANITARY SEWER:

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

MISCELLANEOUS:

| | |
|------------------------------------------|--------|
| Utility Pole | ● |
| Utility Pole with Base | □ |
| Utility Located Object | ○ |
| Utility Traffic Signal Box | ⊠ |
| Utility Unknown U/G Line LOS B (S.U.E.*) | ----- |
| 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. |

6/2/99

SURVEY CONTROL SHEET I-5781

| | |
|-----------------------|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| I-5781 | 1C-1 |
| Location and Surveys | |

BASELINE DATA

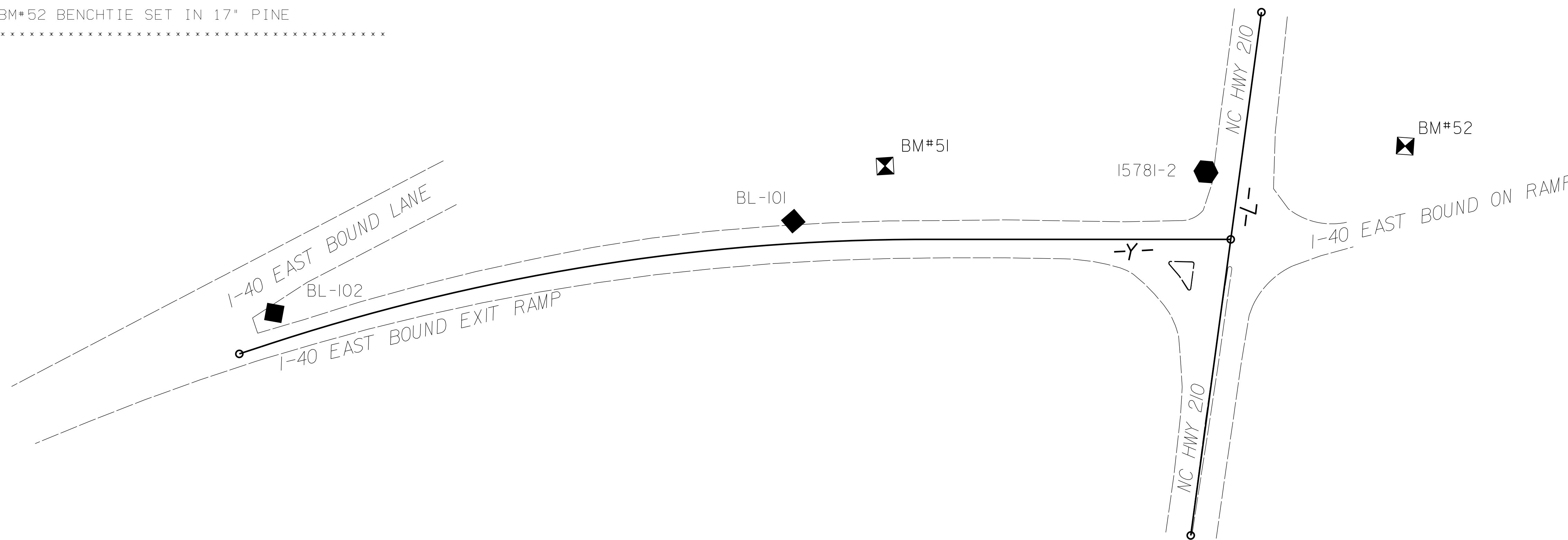
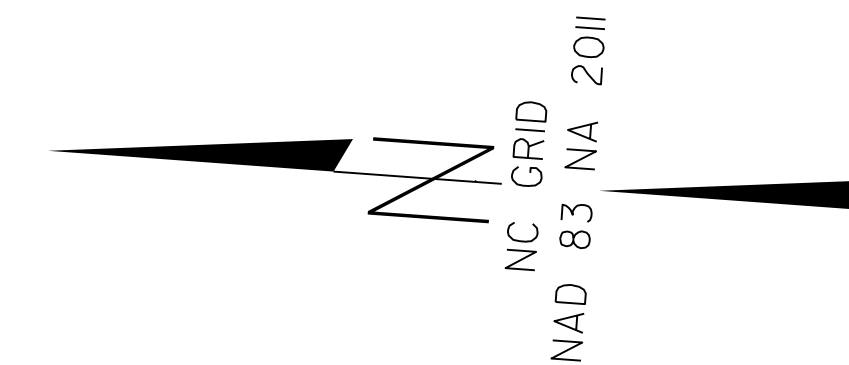
| BL | POINT | DESC. | NORTH | EAST | ELEVATION | L STATION | OFFSET |
|----|-------|---------|-------------|--------------|-----------|------------------------|----------|
| 1 | | 15781-1 | 643245.3540 | 2130814.2510 | 250.85 | OUTSIDE PROJECT LIMITS | |
| 2 | | 15781-2 | 643203.6470 | 2131307.1250 | 254.26 | 13+07.63 | 28.53 LT |

| BY | POINT | DESC. | NORTH | EAST | ELEVATION | Y STATION | OFFSET |
|-----|-------|--------|-------------|--------------|-----------|-----------|----------|
| 101 | | BL-101 | 643549.7494 | 2131240.0460 | 243.71 | 13+70.00 | 18.90 RT |
| 102 | | BL-102 | 643982.8014 | 2131130.5073 | 230.73 | 18+12.56 | 23.52 RT |

BENCHMARK DATA

51 ELEVATION = 241.52
 N 643475 E 2131292
 Y STATION 12+92.00 63 RIGHT
 BM#51 BENCHTIE SET IN 13" PINE

 52 ELEVATION = 242.83
 N 643037 E 2131341
 L STATION 13+52.00 136 RIGHT
 BM#52 BENCHTIE SET IN 17" PINE



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "15781-2"
 WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF
 NORTHING: 643203.6470(ft) EASTING: 2131307.1250(ft)
 ELEVATION: 254.265(ft)
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999876445
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "15781-2" TO -L- STATION 10+00.00 IS
 S88°14'41.64"W 308.948
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
 VERTICAL DATUM USED IS NAVD 88

NOTES:

INDICATES GEODETIC CONTROL MONUMENTS USED OR SET FOR HORIZONTAL AND VERTICAL PROJECT CONTROL BY THE NCDOT LOCATION AND SURVEYS UNIT.
 PROJECT CONTROL ESTABLISHED USING GNSS (GLOBAL NAVIGATION SATELLITE SYSTEM).

THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING PROJECT CONTROL DATA AT:
[HTTPS://CONNECT.NCDOT.GOV/RESOURCES/LOCATION/](https://connect.ncdot.gov/resources/location/)

THE FILES TO BE FOUND ARE AS FOLLOWS:
 I-5781_LS_CONTROL.TXT

15781-1

NOTE: DRAWING NOT TO SCALE

7/19/2017 T:\Roadway\Proj\I5781\1s_1C-1.dgn

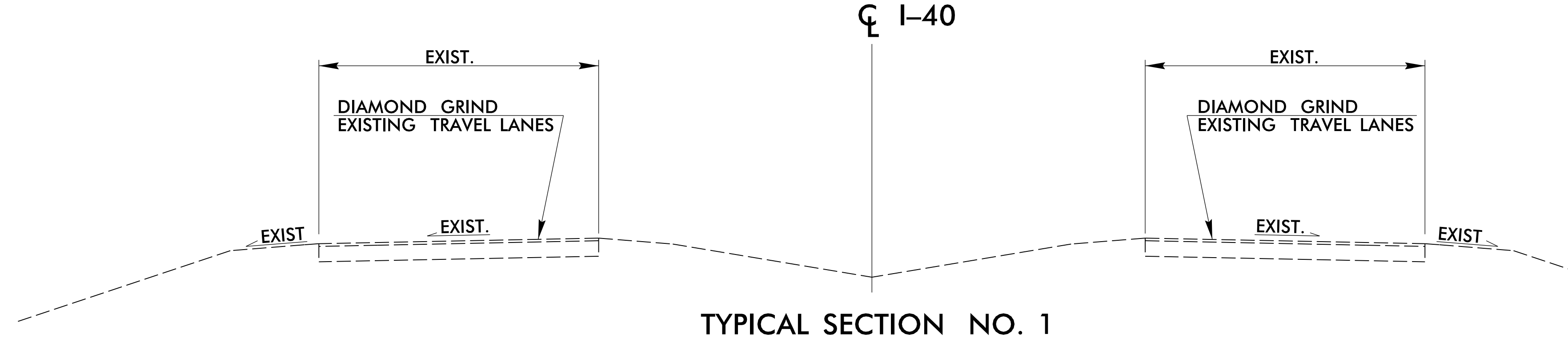
| PAVEMENT SCHEDULE | |
|-------------------|------------------------------------------------------------------------------------------------------------|
| A1 | 8" JOINTED CONCRETE PAVEMENT WITH DOWELS. |
| A2 | CONCRETE SHOULDER ADJACENT TO 8" PAVEMENT WITH DOWELS |
| C | PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. |
| E | PROP. APPROX. 5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD. |
| T | EARTH MATERIAL |
| U | EXISTING PAVEMENT |
| V1 | MILLING EXISTING ASPHALT PAVEMENT, 1.5" DEPTH |
| V2 | MILLING EXISTING ASPHALT PAVEMENT, 3" DEPTH |

SEPI
ENGINEERING & CONSTRUCTION

1025 Wade Avenue
Raleigh, NC 27605
Tel: 919-789-9977
Fax: 919-789-9591
License: C-2197

| | |
|--------------------------------------------------------------------------|------------------------------------------------------------------------|
| PROJECT REFERENCE NO. 1-5781 | SHEET NO. 2A-1 |
| ROADWAY DESIGN ENGINEER SEAL 22568 10/2/99 STEVEN L. SCOTT | PAVEMENT DESIGN ENGINEER SEAL 40257 9/29/99 W. MATTHEW CLARKE |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

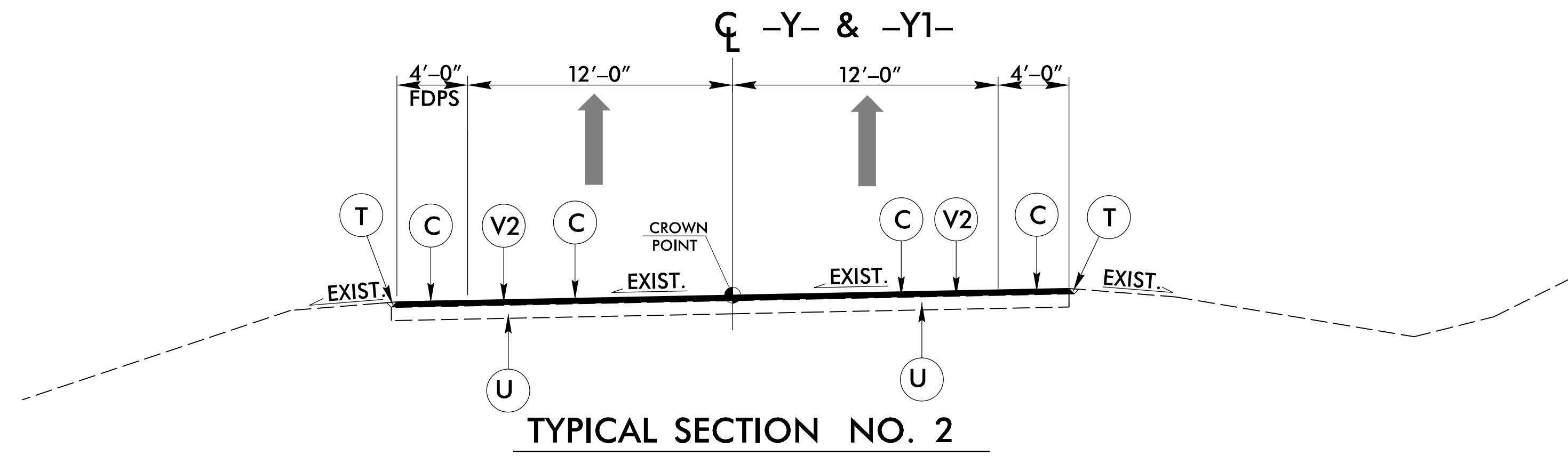
- NOTES:
1. ALL PAVEMENT EDGE SLOPES ARE 1:1 UNLESS OTHERWISE NOTED.
 2. SHOULDER ROLLOVER NOT TO EXCEED 0.06 (TYP).
 3. REMOVE EXISTING ASPHALT PAVEMENT & PAVED SHOULDER & REPLACE WITH CONCRETE PAVEMENT
 4. PROP. CONCRETE PAVEMENT SURFACE ELEVATION TO MATCH EXISTING CONCRETE SURFACE ELEVATION AND CROSS SLOPE
 5. PRIOR TO PLACING PAVEMENT MARKING MATERIAL ON CONCRETE SURFACES THAT ARE DIAMOND GROUND, USE AN ACCEPTABLE METHOD TO GRIND RIDGES SMOOTH ONLY WHERE PAVEMENT MARKINGS WILL BE INSTALLED.



TYPICAL SECTION NO. 1

USE TYPICAL SECTION NO. 1

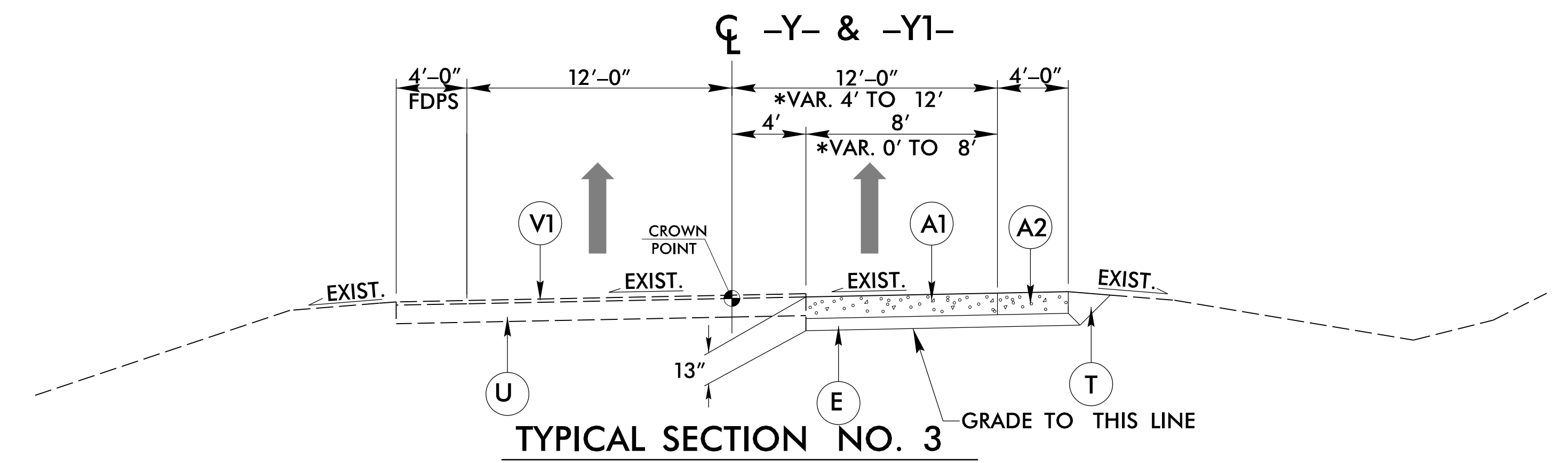
I-40 STA. 65+87.79 TO STA. 905+02.00



TYPICAL SECTION NO. 2

USE TYPICAL SECTION NO. 2

-Y- STA. 10+18.16 TO STA. 11+33.31
-Y1- STA. 10+21.21 TO STA. 11+34.74



TYPICAL SECTION NO. 3

USE TYPICAL SECTION NO. 3

-Y- STA. 11+33.31 TO STA. 15+00.00
*-Y- STA. 15+00.00 TO STA. 18+32.23
-Y1- STA. 11+34.74 TO STA. 14+00.00
*-Y1- STA. 14+00.00 TO STA. 17+67.65

NOTE: DIAMOND GRINDING TO BE COMPLETED AFTER ASPHALT MILLING.

**SUMMARY OF EARTHWORK
 IN CUBIC YARDS**

| STATION | STATION | UNCL. EXCAV. | EMBANK. +% | BORROW | WASTE |
|---------------------|------------------------------------|--------------|------------|--------|-------|
| SUMMARY NO. 1 | | | | | |
| -Y- | STA. 11+33.31 TO STA. 18+32.23 RT. | 144 | | | 144 |
| TOTAL SUMMARY NO. 1 | | 144 | | | 144 |
| SUMMARY NO. 2 | | | | | |
| -Y1- | STA. 11+34.74 TO STA. 17+67.65 RT | 105 | | | 105 |
| TOTAL SUMMARY NO. 2 | | 105 | | | 105 |
| PROJECT SUBTOTAL | | 249 | | | 249 |
| GRAND TOTALS | | 249 | | | 249 |
| SAY | | 275 | | | |

ASPHALT PAVEMENT REMOVAL SUMMARY

| SURVEY LINE | STATION TO STATION | LOCATION LT/RT/CL | SQUARE YARDS |
|---------------|----------------------|-------------------|--------------|
| -Y- | 10+42.00 TO 11+33.31 | LT | 161.08 |
| -Y- | 11+33.31 TO 18+32.18 | RT | 1036.59 |
| -Y1- | 11+34.74 TO 17+67.65 | RT | 753.64 |
| PROJECT TOTAL | | | 1951.31 |
| SAY | | | 2000 |

Note: Approximate quantities only. Unclassified Excavation, Fine Grading, and Removal of Existing Pavement will be paid for at the contract lump sum price for "Grading."

SUMMARY OF AGGREGATE SUBGRADE/STABILIZATION

| LINE | STATION | STATION | AGGREGATE TYPE ASU/AST | AGGREGATE THICKNESS INCHES | SHALLOW UNDERCUT CY | CLASS IV SUBGRADE STABILIZATION TONS | GEOTEXTILE FOR SOIL STABILIZATION SY | STABILIZER AGGREGATE TONS | CLASS IV AGGREGATE STABILIZATION TONS |
|-------------|---------|---------|------------------------|----------------------------|---------------------|--------------------------------------|--------------------------------------|---------------------------|---------------------------------------|
| CONTINGENCY | | | | | | | | | |
| | | | AST | | | | | 100 | |
| | | | TOTAL CY/TONSSY: | | | | | 100 | |
| | | | SAY: | | | | | 100 | |

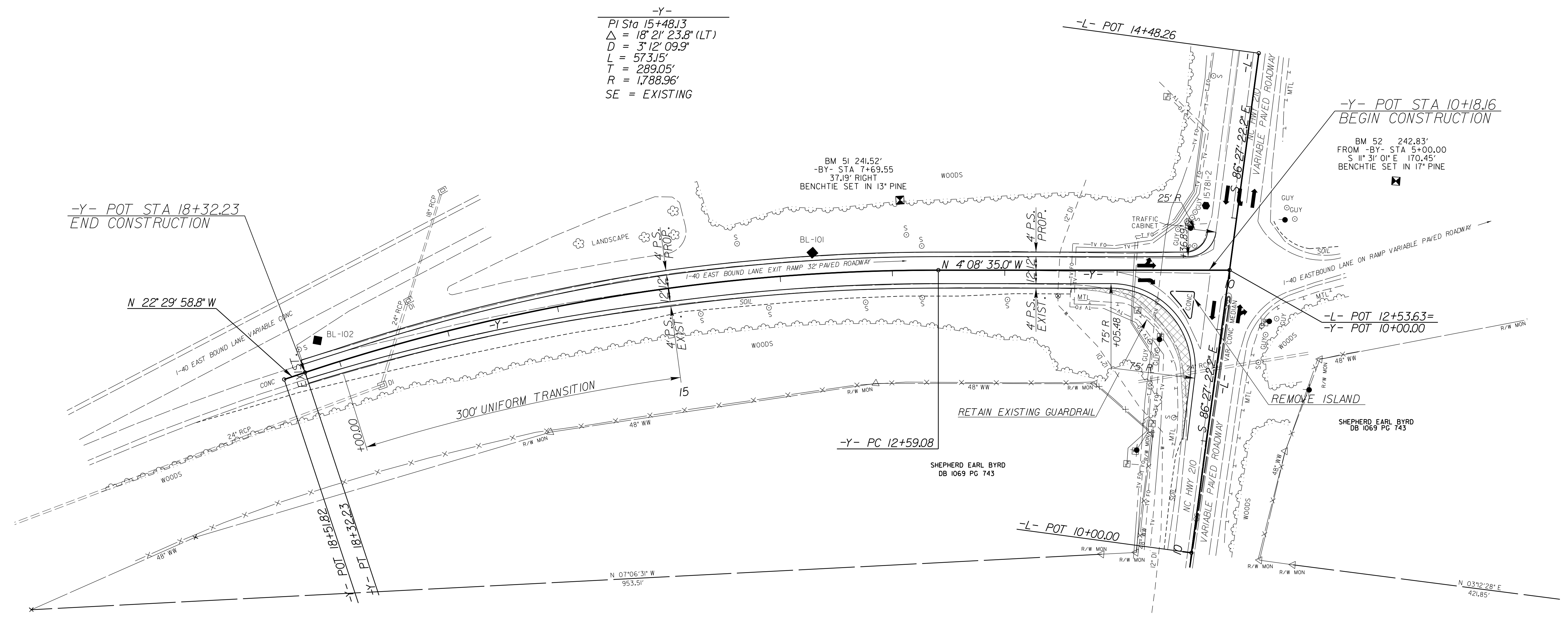
ASU = AGGREGATE SUBGRADE, AST = AGGREGATE STABILIZATION
 TOTAL SQUARE YARDS OF GEOTEXTILE FOR SOIL STABILIZATION IS ONLY THE ESTIMATED QUANTITY FOR ASU/AST AND MAY ONLY REPRESENT A PORTION OF THE GEOTEXTILE QUANTITY SHOWN IN THE ITEM SHEETS OF THE PROPOSAL.

SEPI
ENGINEERING &
CONSTRUCTION

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Raleigh, NC 27605
Tel: 919-789-9977
Fax: 919-789-9591
License: C-2197

| | |
|--------------------------------------------------------------------|----------------|
| PROJECT REFERENCE NO. 1-5781 | SHEET NO. 4 |
| RW SHEET NO. | |
| ROADWAY DESIGN ENGINEER | |
| | |
| Steven L. Scott <small>REGISTERED PROFESSIONAL ENGINEER</small> | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

NAD 83/NA 2011



-Y-
PI Sta 15+48.13
Δ = 18° 21' 23.8" (LT)
D = 3° 12' 09.9"
L = 573.15'
T = 289.05'
R = 1,788.96'
SE = EXISTING

-Y- POT STA 10+18.16
BEGIN CONSTRUCTION

BM 52 242.83'
FROM -BY- STA 5+00.00
S 11° 31' 01" E 170.45'
BENCHTIE SET IN 17" PINE

-Y- POT STA 18+32.23
END CONSTRUCTION

-L- POT 12+53.63=
-Y- POT 10+00.00

-L- POT 10+00.00

THERE ARE NO CONTROL SURVEYS AVAILABLE FOR THIS SHEET.
ALL TOPO MAPPING IS BASED ON AERIAL PHOTOGRAPHY

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|--------------------------------------------------------------------------|----------------|
| PROJECT REFERENCE NO. 1-5781 | SHEET NO. 5 |
| RW SHEET NO. | |
| ROADWAY DESIGN ENGINEER | |
| | |
| DocuSigned by: Steven L. Scott | |
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5/28/99

-Y-

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| | |
|------------------------------------------|-----------------------|
| PROJECT REFERENCE NO. <i>1-5781</i> | SHEET NO. <i>6</i> |
| ROADWAY DESIGN ENGINEER | |
| DocuSigned by: <i>Steven L. Scott</i> | |

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