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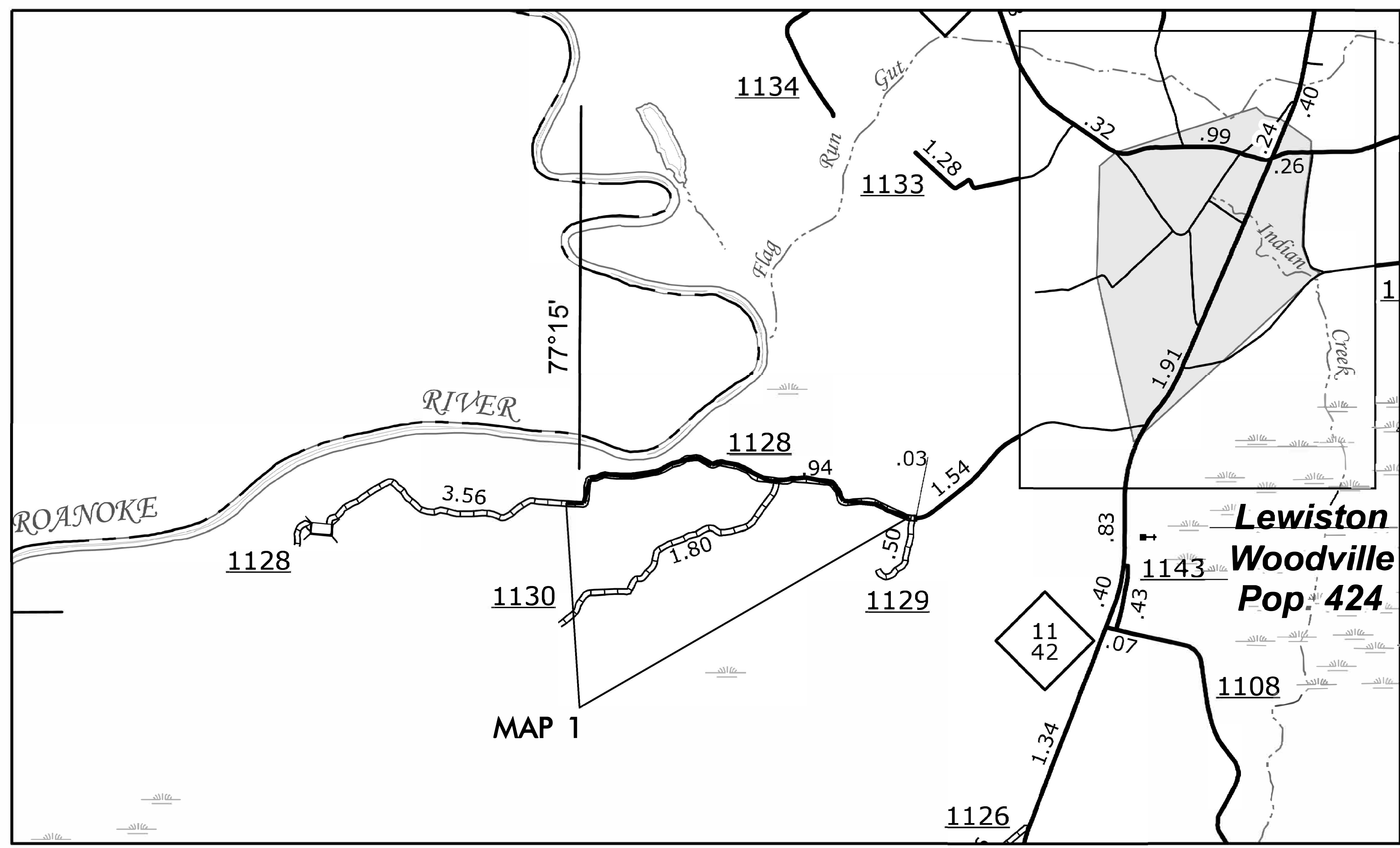
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.
N.C.	80111	1
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
80111		PE, CONST

**BERTIE COUNTY**

LOCATION: MAP 1 - SR 1128 (WEEPING MARY RD) FROM SR 1129 TO SAND PIT ENTRANCE

TYPE OF WORK: CONDITIONING EXISTING BASE



CONTRACT: DA00585 WBS PROJECT: 80111

\$\$\$\$\$SYTIME\$\$\$\$\$  
\$\$\$\$\$DCN\$\$\$\$\$  
\$\$\$\$\$USERNAME\$\$\$\$\$

GRAPHIC SCALES

NTS

PROJECT LENGTH  
MAP 1 = 2.82 MI.

LENGTH PROJECT 80111 = 2.82 MI.

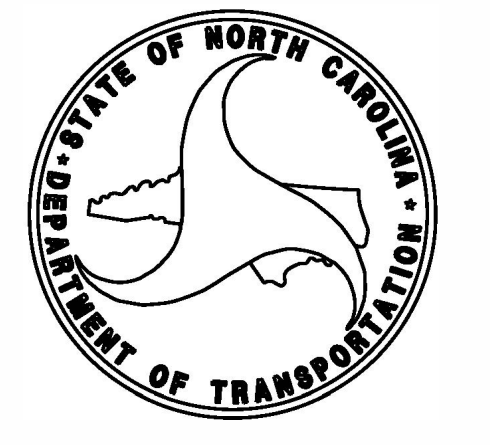
Prepared In the Office of:  
**DIVISION OF HIGHWAYS**  
113 AIRPORT DR., EDENTON NC, 27932

2018 STANDARD SPECIFICATIONS

JOHN ABEL  
DIVISION PROJECT TEAM LEAD

CHRIS SLACHTA  
DIVISION CONTRACT ENGINEER

DAVID H. STALLINGS  
DIVISION DESIGN ENGINEER



## INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
2A-1 THRU 2A-	PAVEMENT SCHEDULE AND TYPICAL SECTIONS
2B-1 THRU 2B-	ROADWAY DETAILS
2C-1 THRU 2C-	SPECIAL DETAILS
2D-1 THRU 2D-	DRAINAGE DETAILS
2G-1 THRU 2G-	GEO TECHNICAL DETAILS
2H-1 THRU 2H-	GEOENVIRONMENTAL DETAILS
2N-1 THRU 2N-	NOISE WALL ENVELOPE DETAILS
3B-1 THRU 3B-	ROADWAY SUMMARIES
3D-1 THRU 3D-	DRAINAGE SUMMARIES
3G-1 THRU 3G-	GEO TECHNICAL SUMMARIES
3P-1	PARCEL INDEX SHEET
4 THRU	PLAN AND PROFILE SHEET
TMP-1 THRU TMP-	TRAFFIC MANAGEMENT PLANS
PMP-1 THRU PMP-	PAVEMENT MARKING PLANS
E-1 THRU E-	ELECTRICAL PLANS
EC-1 THRU EC-	EROSION CONTROL PLANS
RF-1 THRU RF-	REFORESTATION PLANS
SIGN-1 THRU SIGN-	SIGNING PLANS
SIG-1 THRU SIG-	SIGNAL PLANS
ITS-1 THRU ITS-	ITS PLANS
UC-1 THRU UC-	UTILITIES CONSTRUCTION PLANS
UO-1 THRU UO-	UTILITIES BY OTHERS PLANS
X-1A THRU X-1	CROSS-SECTION SUMMARY SHEET
X-1 THRU X-	CROSS-SECTIONS
S-1 THRU S-	STRUCTURE PLANS

Note: Not to Scale

# STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS CONVENTIONAL PLAN SHEET SYMBOLS

## BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin (EIP)	○ EP
Computed Property Corner	X
Existing Concrete Monument (ECM)	□ 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	-----
Proposed Wetland Boundary	-----
Existing Endangered Animal Boundary	-----
Existing Endangered Plant Boundary	-----
Existing Historic Property Boundary	-----
Known Contamination Area: Soil	-----
Potential Contamination Area: Soil	-----
Known Contamination Area: Water	-----
Potential Contamination Area: Water	-----
Contaminated Site: Known or Potential	☠ ☢

## BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	⊙
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:

Primary Horiz Control Point	○
Primary Horiz and Vert Control Point	⬢
Secondary Horiz and Vert Control Point	⬢
Vertical Benchmark	⊗
Existing Right of Way Monument	△
Proposed Right of Way Monument (Rebar and Cap)	▲
Proposed Right of Way Monument (Concrete)	⊕
Existing Permanent Easement Monument	◇
Proposed Permanent Easement Monument (Rebar and Cap)	◇
Existing C/A Monument	▲
Proposed C/A Monument (Rebar and Cap)	▲
Proposed C/A Monument (Concrete)	⊕
Existing Right of Way Line	-----
Proposed Right of Way Line	-----
Existing Control of Access Line	-----
Proposed Control of Access Line	-----
Proposed ROW and CA Line	-----
Existing Easement Line	-----
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

## 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	⊗
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	⊙
Storm Sewer	-----

## UTILITIES:

\* SUE - Subsurface Utility Engineering  
LOS - Level of Service - A, B, C or D (Accuracy)

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 Test Hole (SUE - LOS A)*	⊗
U/G Power Line (SUE - LOS B)*	----- P
U/G Power Line (SUE - LOS C)*	----- P
U/G Power Line (SUE - LOS D)*	----- P

## TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	⊙
Telephone Pedestal	⊕
Telephone Cell Tower	⊗
U/G Telephone Cable Hand Hole	⊕
U/G Telephone Test Hole (SUE - LOS A)*	⊗
U/G Telephone Cable (SUE - LOS B)*	----- T
U/G Telephone Cable (SUE - LOS C)*	----- T
U/G Telephone Cable (SUE - LOS D)*	----- T
U/G Telephone Conduit (SUE - LOS B)*	----- TC
U/G Telephone Conduit (SUE - LOS C)*	----- TC
U/G Telephone Conduit (SUE - LOS D)*	----- TC
U/G Fiber Optics Cable (SUE - LOS B)*	----- T FO
U/G Fiber Optics Cable (SUE - LOS C)*	----- T FO
U/G Fiber Optics Cable (SUE - LOS D)*	----- T FO

## WATER:

Water Manhole	⊙
Water Meter	⊙
Water Valve	⊗
Water Hydrant	⊗
U/G Water Line Test Hole (SUE - LOS A)*	⊗
U/G Water Line (SUE - LOS B)*	-----
U/G Water Line (SUE - LOS C)*	-----
U/G Water Line (SUE - LOS D)*	-----
Above Ground Water Line	----- A/G Water

## TV:

TV Pedestal	⊕
TV Tower	⊗
U/G TV Cable Hand Hole	⊕
U/G TV Test Hole (SUE - LOS A)*	⊗
U/G TV Cable (SUE - LOS B)*	----- TV
U/G TV Cable (SUE - LOS C)*	----- TV
U/G TV Cable (SUE - LOS D)*	----- TV
U/G Fiber Optic Cable (SUE - LOS B)*	----- TV FO
U/G Fiber Optic Cable (SUE - LOS C)*	----- TV FO
U/G Fiber Optic Cable (SUE - LOS D)*	----- TV FO

## GAS:

Gas Valve	◇
Gas Meter	⊕
U/G Gas Line Test Hole (SUE - LOS A)*	⊗
U/G Gas Line (SUE - LOS B)*	----- G
U/G Gas Line (SUE - LOS C)*	----- G
U/G Gas Line (SUE - LOS D)*	----- 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 Force Main Line Test Hole (SUE - LOS A)*	⊗
SS Force Main Line (SUE - LOS B)*	----- FSS
SS Force Main Line (SUE - LOS C)*	----- FSS
SS Force Main Line (SUE - LOS D)*	----- FSS

## MISCELLANEOUS:

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

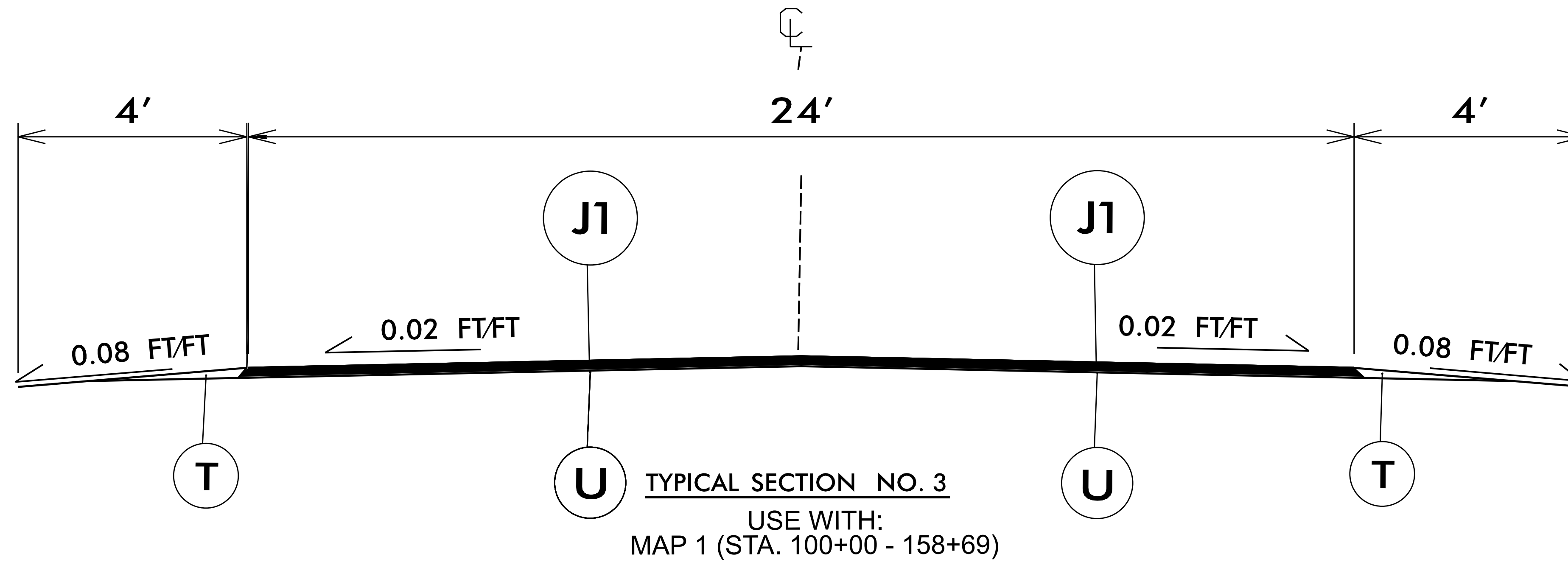




# PAVEMENT SCHEDULE

PROJECT REFERENCE NO.	SHEET NO.
80111	2A-2

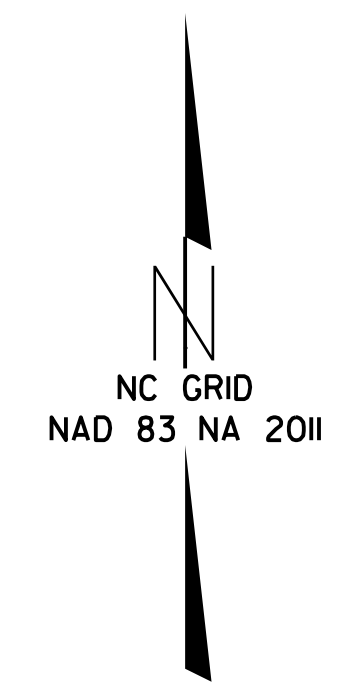
J1	PROP. APPROX. 6" AGGREGATE BASE COURSE
T	EARTH MATERIAL
U	EXISTING STONE



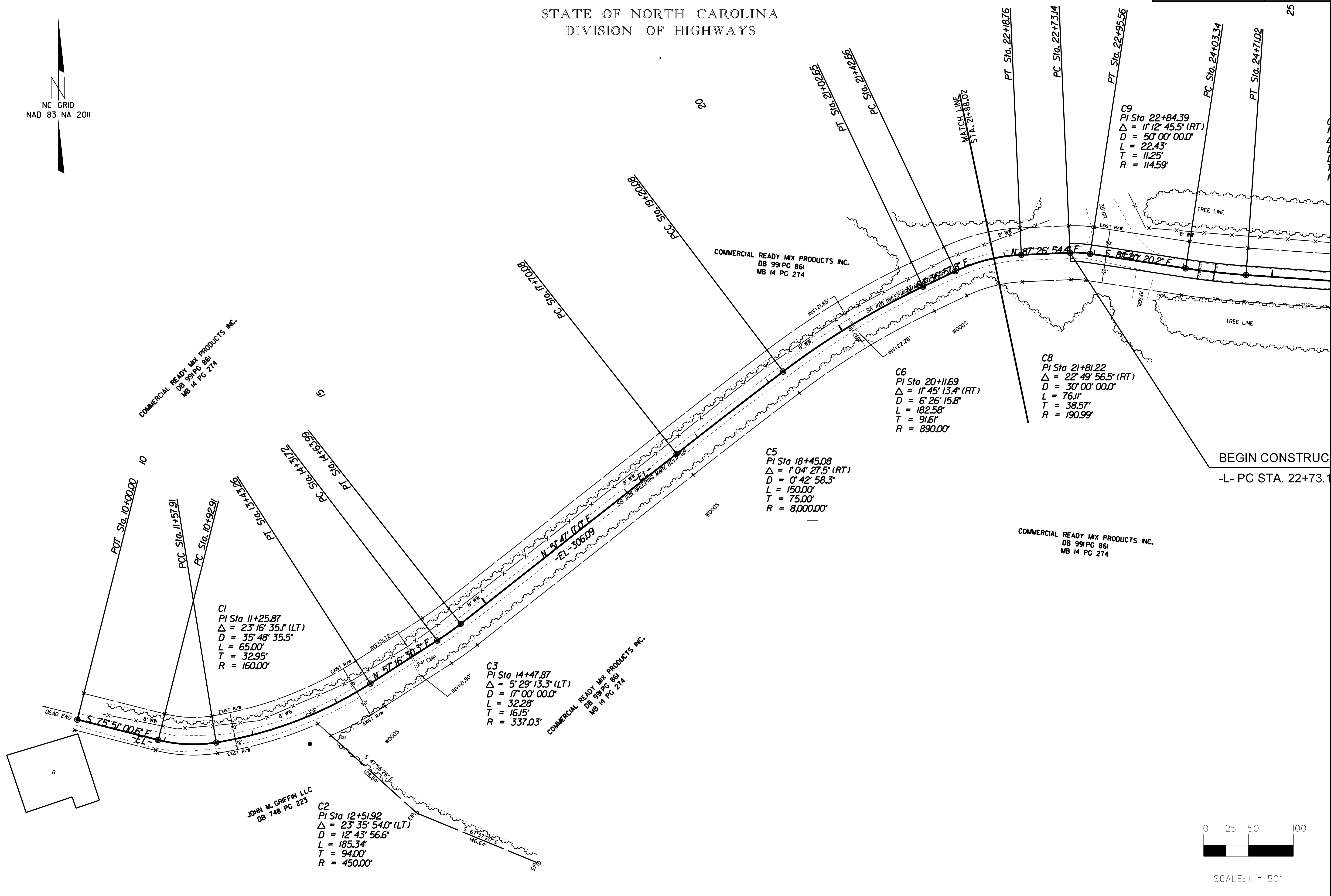
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STATE OF NORTH CAROLINA  
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5/28/99



**C1**  
PI Sta 11+25.87  
Δ = 23° 16' 35.1" (LT)  
D = 35° 48' 35.5"  
L = 65.00'  
T = 32.95'  
R = 160.00'

**C2**  
PI Sta 12+51.92  
Δ = 23° 35' 54.0" (LT)  
D = 12° 43' 56.6"  
L = 185.34'  
T = 94.00'  
R = 450.00'

**C3**  
PI Sta 14+47.87  
Δ = 5° 29' 13.3" (LT)  
D = 17° 00' 00.0"  
L = 32.28'  
T = 16.15'  
R = 337.03'

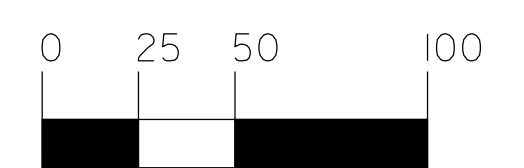
**C5**  
PI Sta 18+45.08  
Δ = 1° 04' 27.5" (RT)  
D = 0° 42' 58.3"  
L = 150.00'  
T = 75.00'  
R = 8,000.00'

**C6**  
PI Sta 20+11.69  
Δ = 1° 45' 13.4" (RT)  
D = 6° 26' 15.8"  
L = 182.58'  
T = 91.61'  
R = 890.00'

**C8**  
PI Sta 21+81.22  
Δ = 22° 49' 56.5" (RT)  
D = 30° 00' 00.0"  
L = 76.11'  
T = 38.57'  
R = 190.99'

**C9**  
PI Sta 22+84.39  
Δ = 1° 12' 45.5" (RT)  
D = 50° 00' 00.0"  
L = 22.43'  
T = 11.25'  
R = 114.59'

BEGIN CONSTRUCTION  
-L- PC STA. 22+73.1



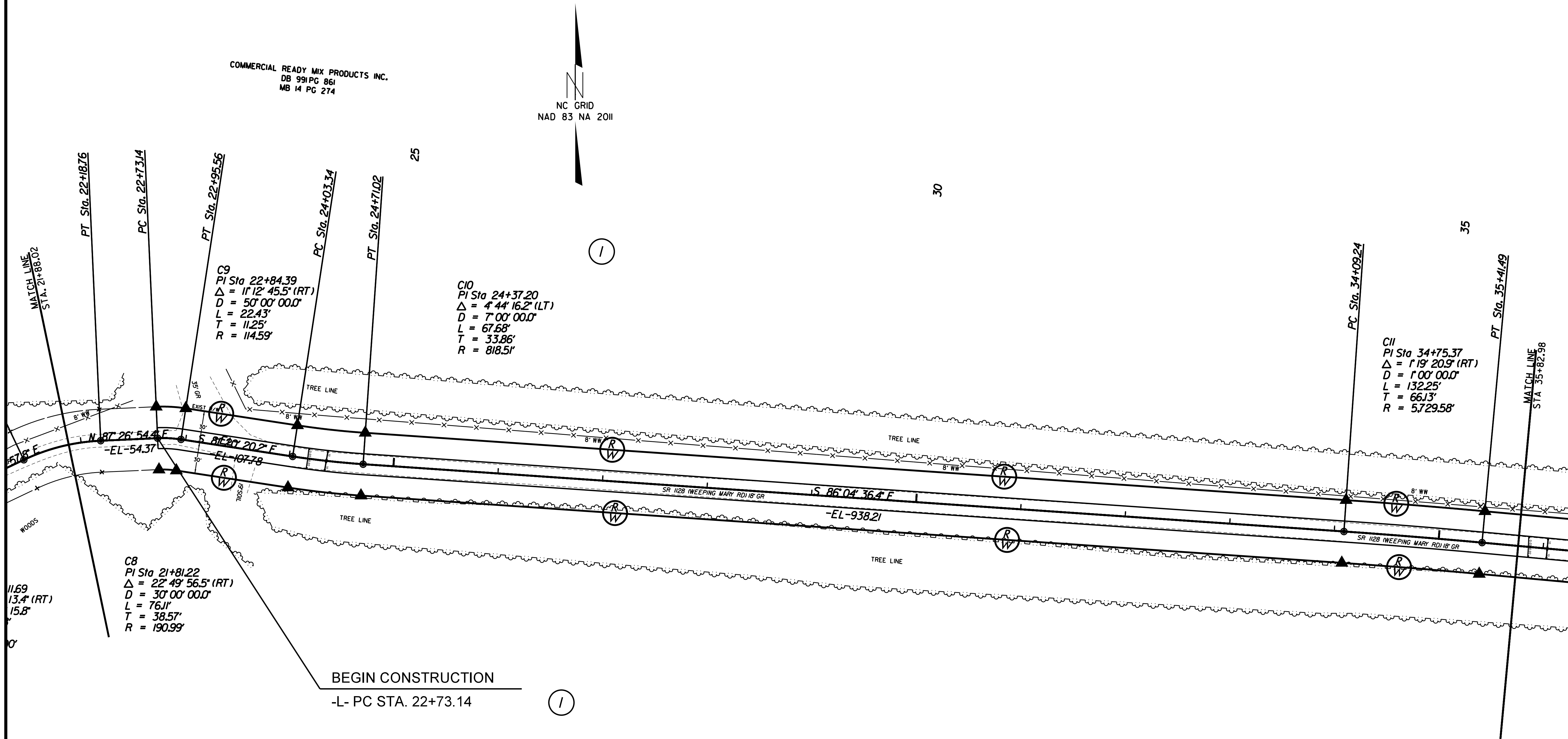
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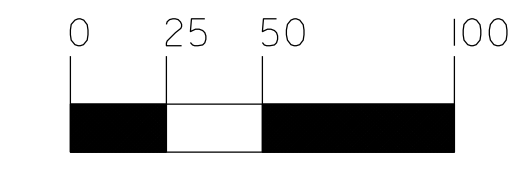
60' R/W PER MB 114 PG 274

COMMERCIAL READY MIX PRODUCTS INC.  
DB 991 PG 861  
MB 14 PG 274

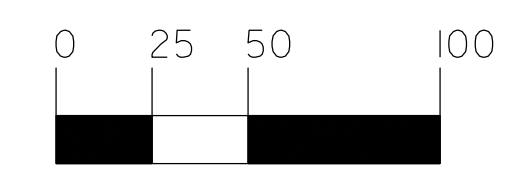
NC GRID  
NAD 83 NA 2011



COMMERCIAL READY MIX PRODUCTS INC.  
DB 991 PG 861  
MB 14 PG 274

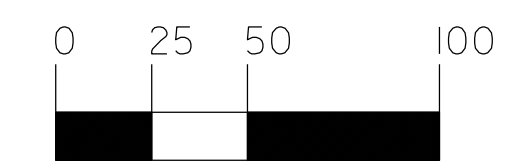
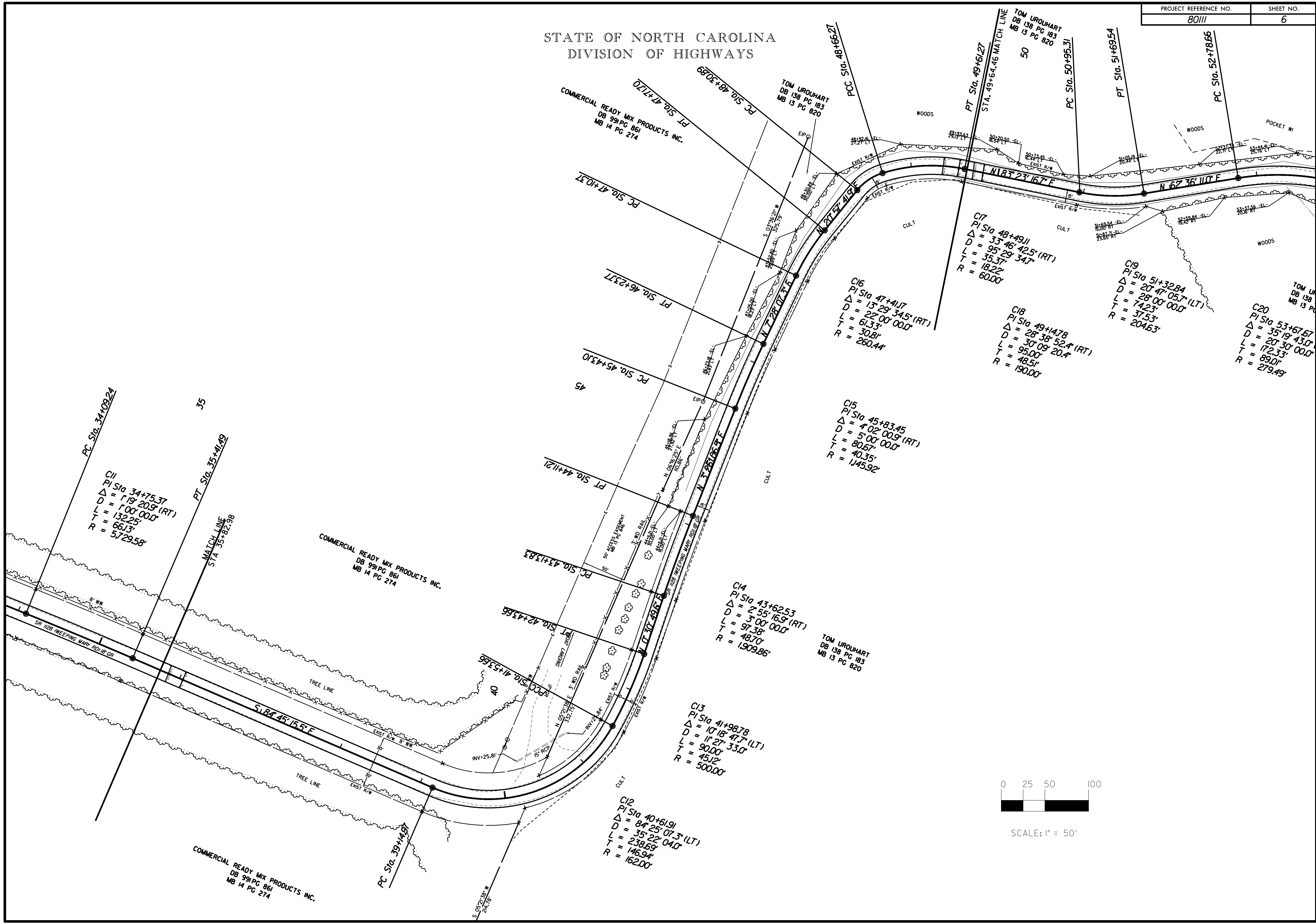


SCALE: 1" = 50'



SCALE: 1" = 50'

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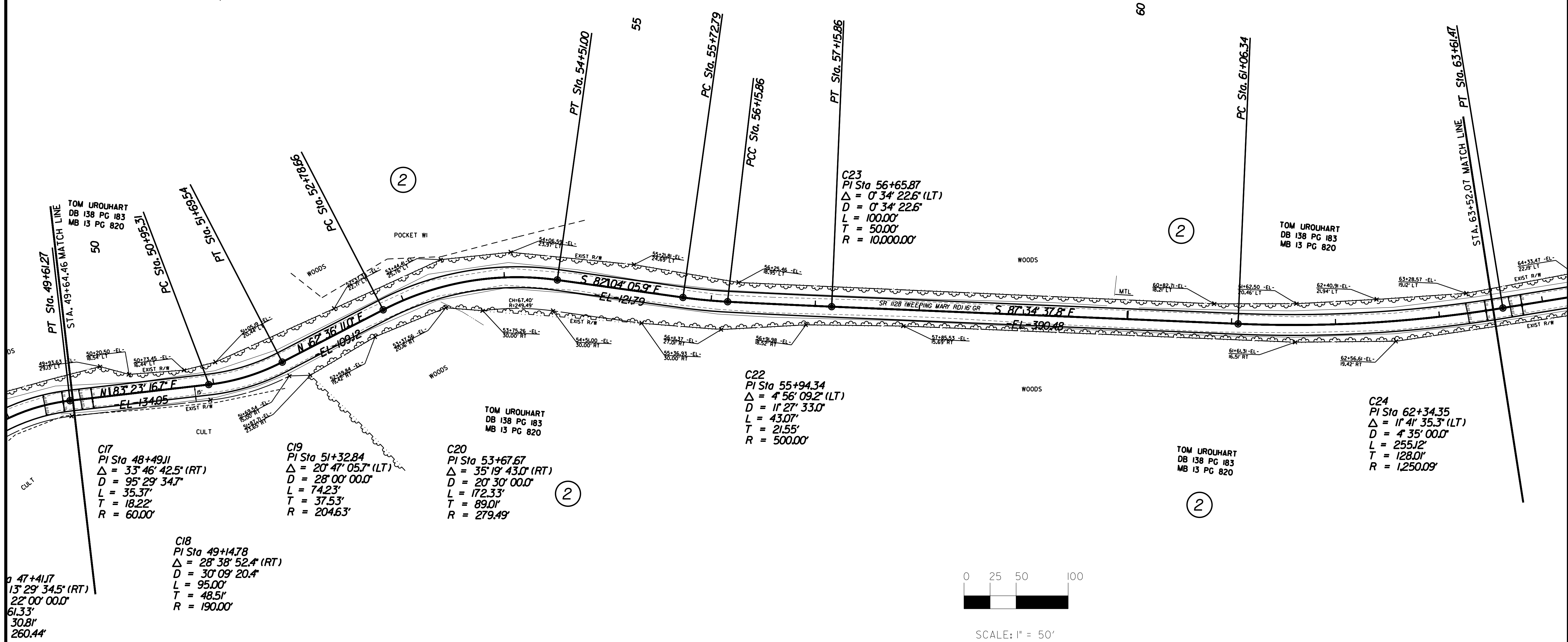
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TOM UROUHART  
DB 138 PG 183  
MB 13 PG 820

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DB 138 PG 183  
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TOM UROUHART  
DB 138 PG 183  
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TOM UROUHART  
DB 138 PG 183  
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C17  
PI Sta 48+49.11  
 $\Delta = 33^\circ 46' 42.5''$  (RT)  
D = 95' 29' 34.7"  
L = 35.37'  
T = 18.22'  
R = 60.00'

C19  
PI Sta 51+32.84  
 $\Delta = 20^\circ 47' 05.7''$  (LT)  
D = 28' 00' 00.0"  
L = 74.23'  
T = 37.53'  
R = 204.63'

C20  
PI Sta 53+67.67  
 $\Delta = 35^\circ 19' 43.0''$  (RT)  
D = 20' 30' 00.0"  
L = 172.33'  
T = 89.01'  
R = 279.49'

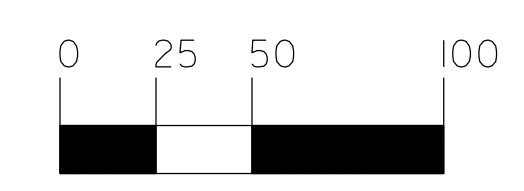
C22  
PI Sta 55+94.34  
 $\Delta = 4^\circ 56' 09.2''$  (LT)  
D = 11' 27' 33.0"  
L = 43.07'  
T = 21.55'  
R = 500.00'

C23  
PI Sta 56+65.87  
 $\Delta = 0^\circ 34' 22.6''$  (LT)  
D = 0' 34' 22.6"  
L = 100.00'  
T = 50.00'  
R = 10,000.00'

C24  
PI Sta 62+34.35  
 $\Delta = 1^\circ 41' 35.3''$  (LT)  
D = 4' 35' 00.0"  
L = 255.12'  
T = 128.01'  
R = 1,250.09'

PI Sta 47+41.7  
 $\Delta = 13^\circ 29' 34.5''$  (RT)  
D = 22' 00' 00.0"  
L = 61.33'  
T = 30.81'  
R = 260.44'

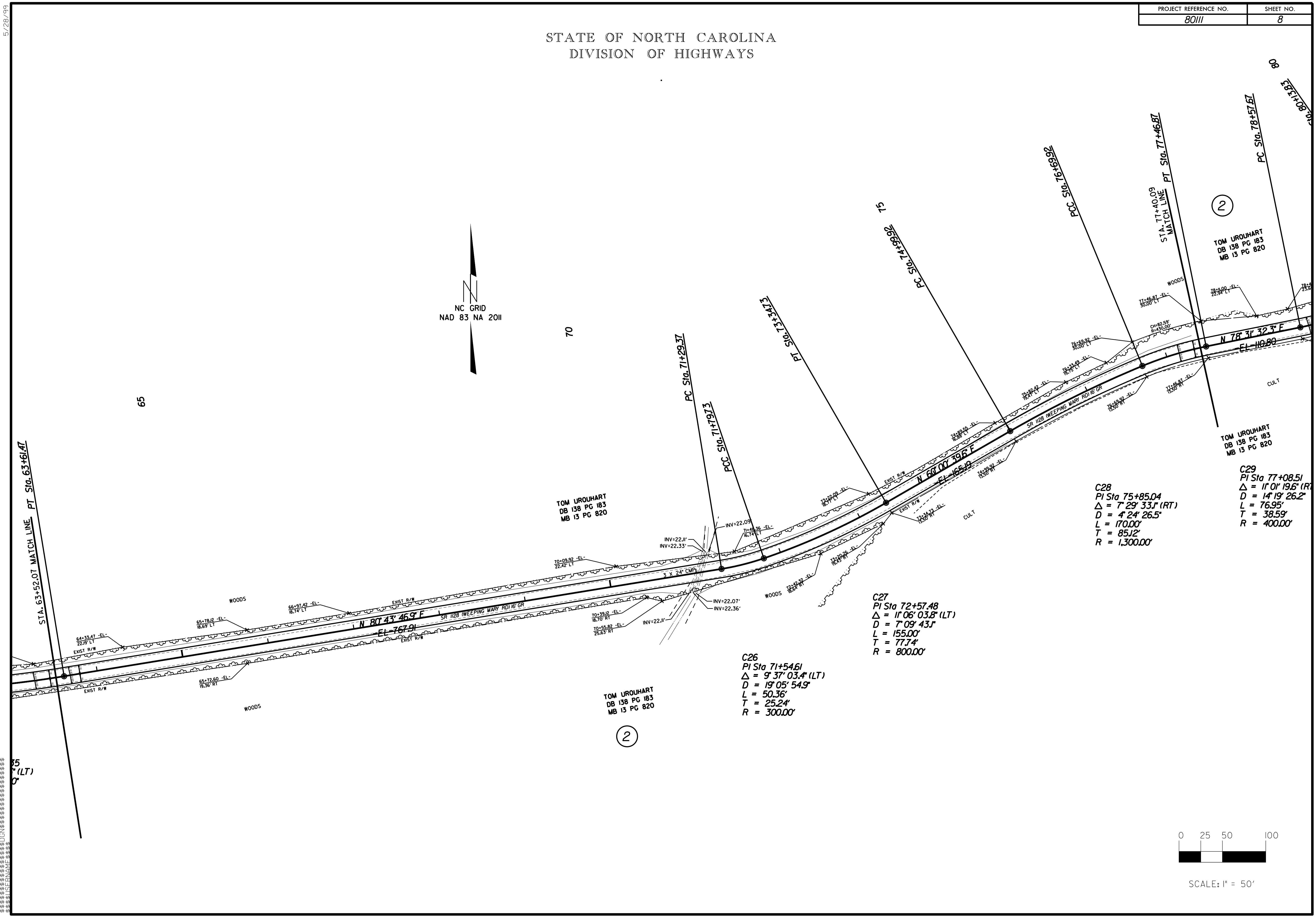
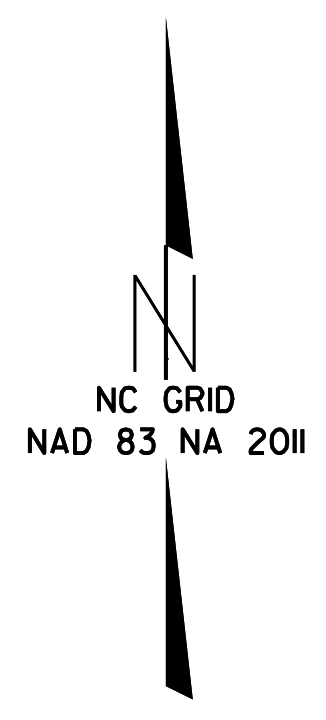
C18  
PI Sta 49+14.78  
 $\Delta = 28^\circ 38' 52.4''$  (RT)  
D = 30' 09' 20.4"  
L = 95.00'  
T = 48.51'  
R = 190.00'



SCALE: 1" = 50'

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TOM UROUHART  
DB 138 PG 183  
MB 13 PG 820

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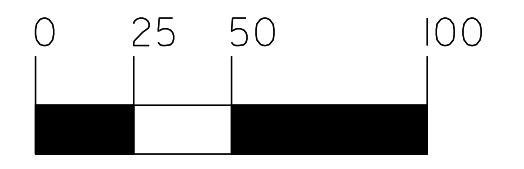
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MB 13 PG 820

C28  
PI Sta 75+85.04  
 $\Delta = 7' 29' 33.7$  (RT)  
D = 4' 24' 26.5"  
L = 170.00'  
T = 85.12'  
R = 1,300.00'

C29  
PI Sta 77+08.51  
 $\Delta = 11' 01' 19.6$  (RT)  
D = 14' 19' 26.2"  
L = 76.95'  
T = 38.59'  
R = 400.00'

C27  
PI Sta 72+57.48  
 $\Delta = 11' 06' 03.8$  (LT)  
D = 7' 09' 43.7"  
L = 155.00'  
T = 77.74'  
R = 800.00'

C26  
PI Sta 71+54.61  
 $\Delta = 9' 37' 03.4$  (LT)  
D = 19' 05' 54.9"  
L = 50.36'  
T = 25.24'  
R = 300.00'



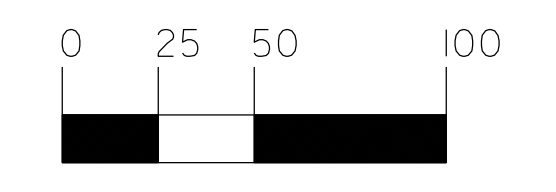
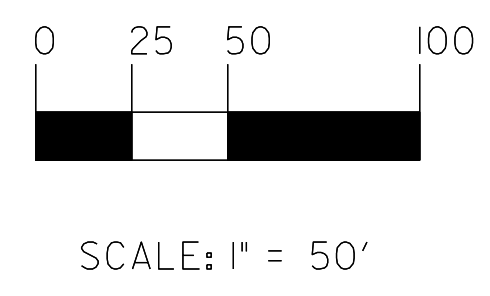
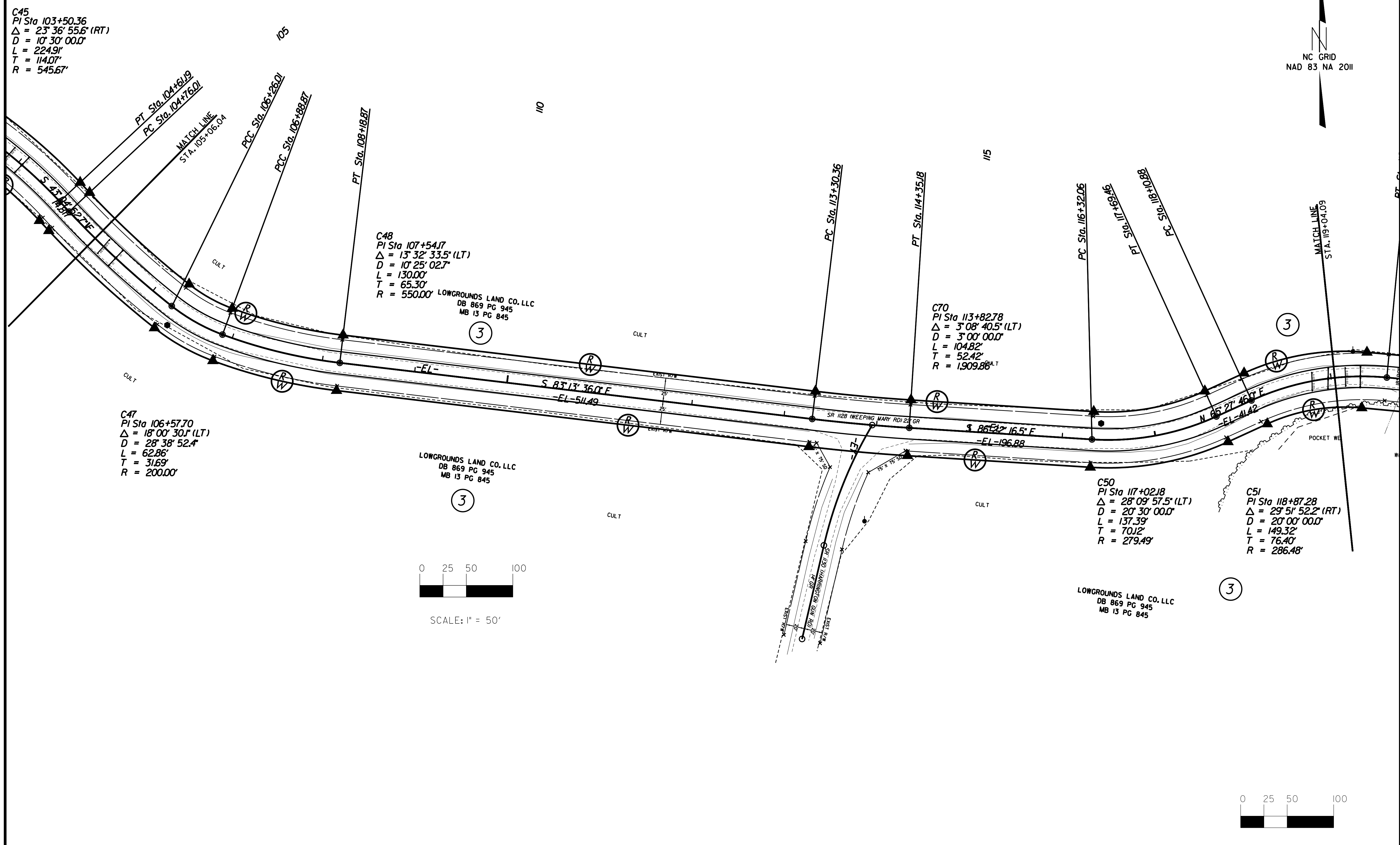
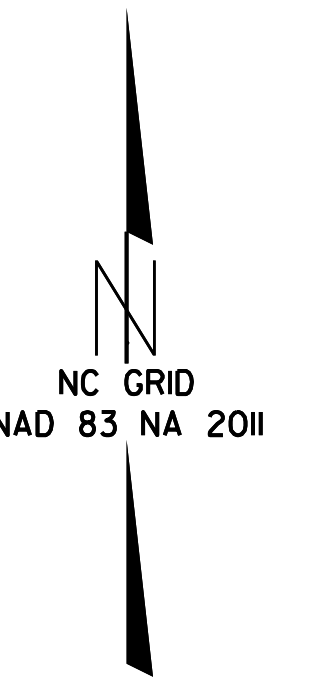
SCALE: 1" = 50'

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STATE OF NORTH CAROLINA  
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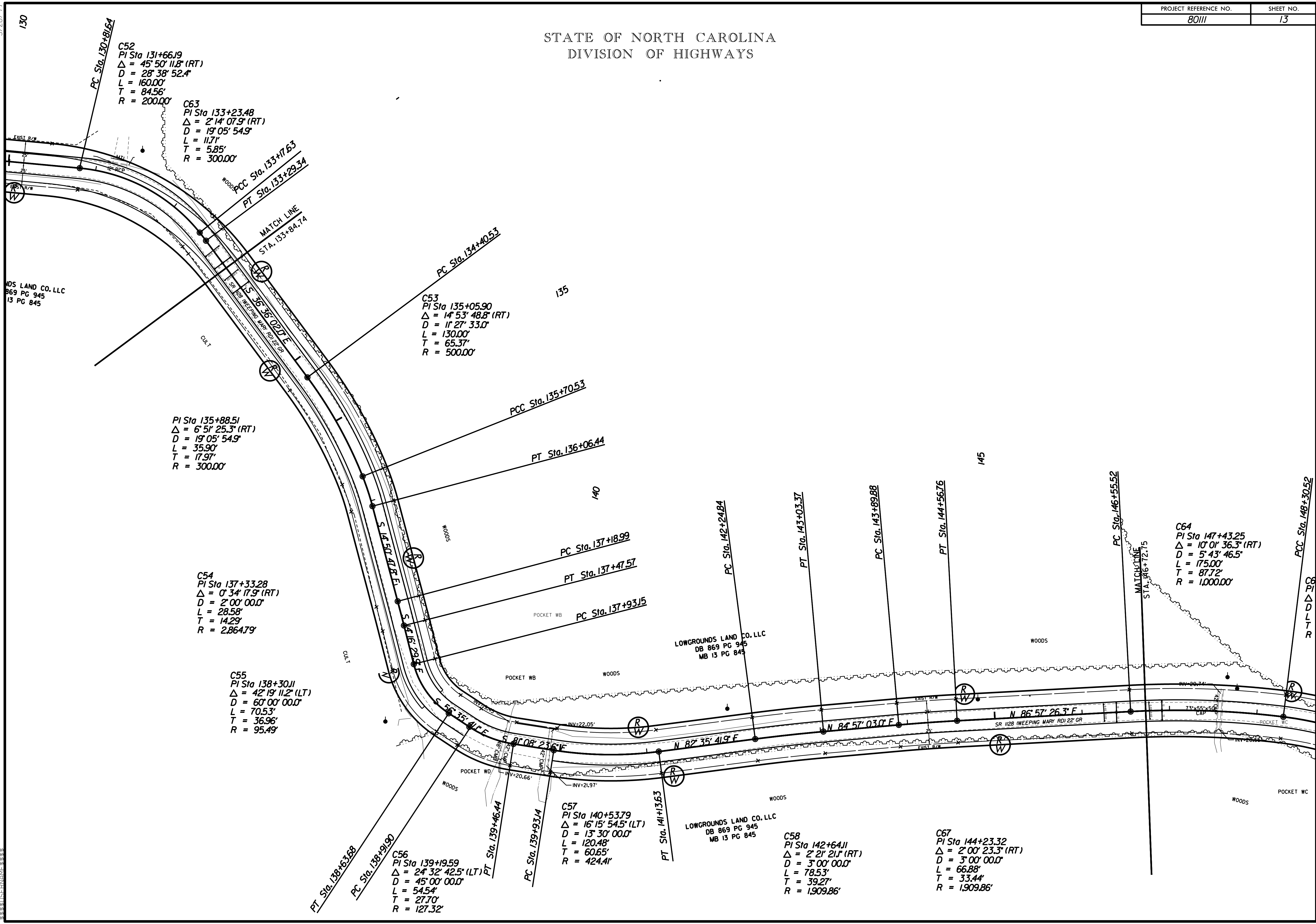






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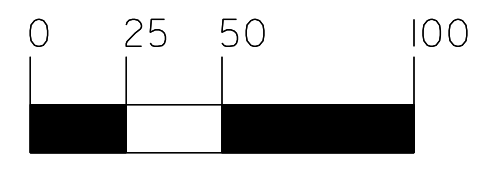
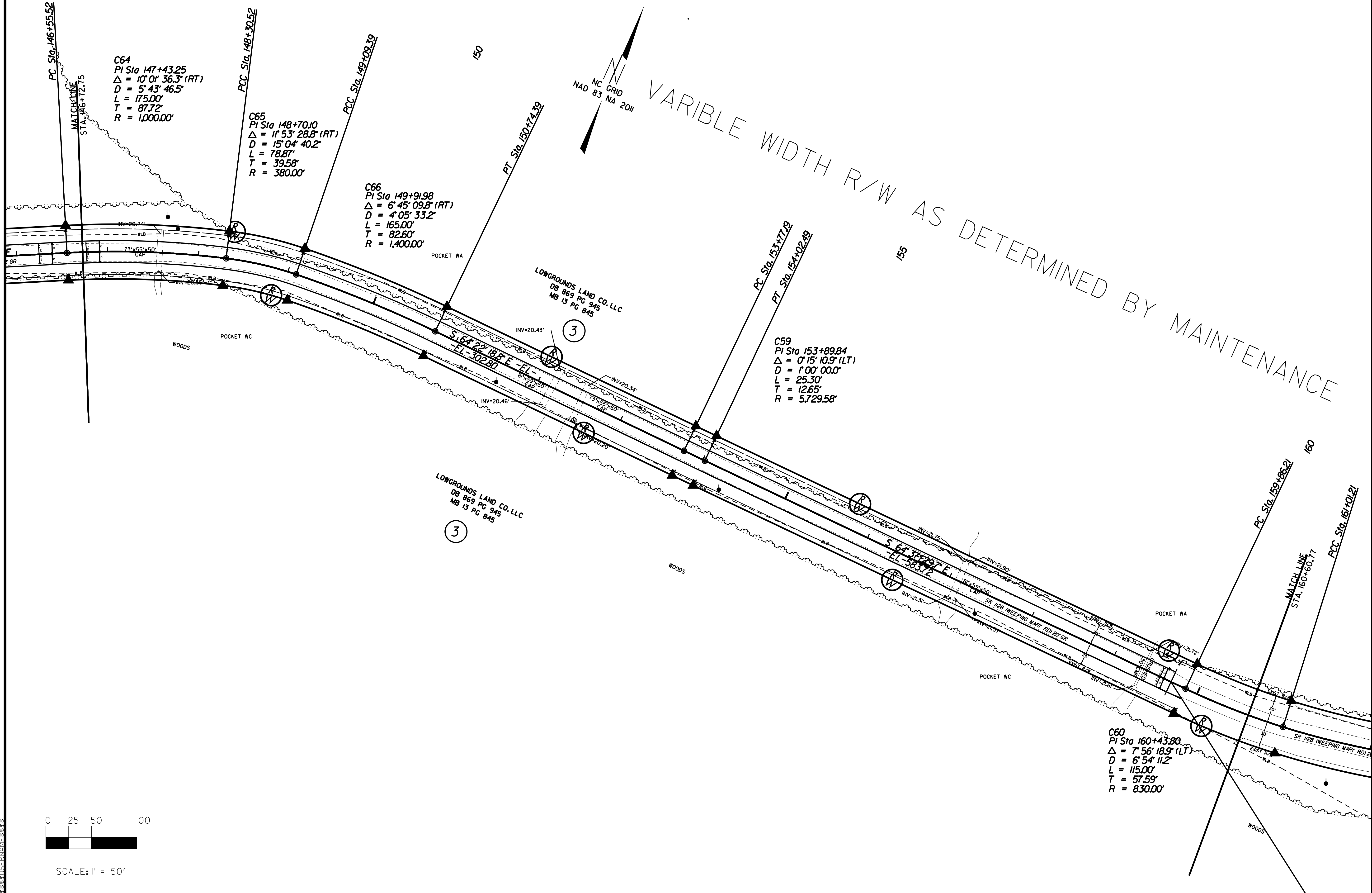
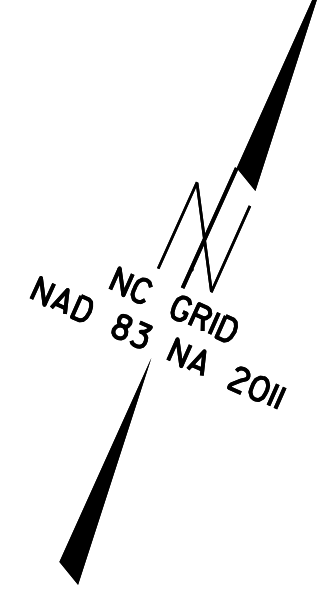
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C:\p1\80111\80111.dwg  
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STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

VARIBLE WIDTH R/W AS DETERMINED BY MAINTENANCE

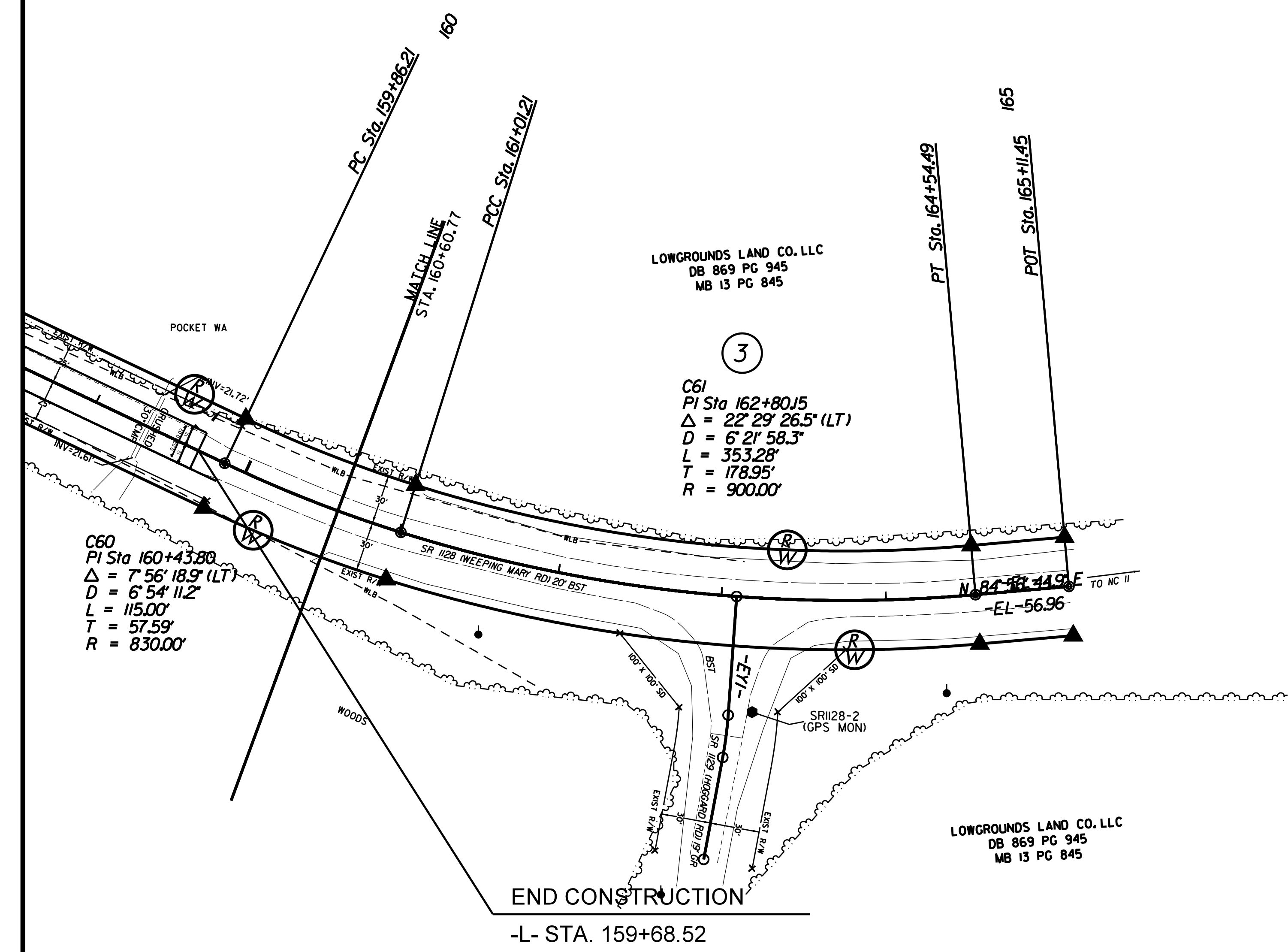


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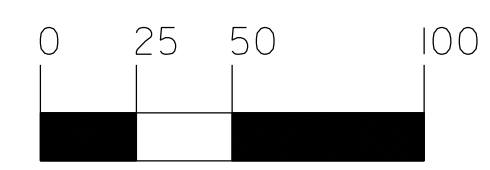
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STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

ED BY MAINTENANCE



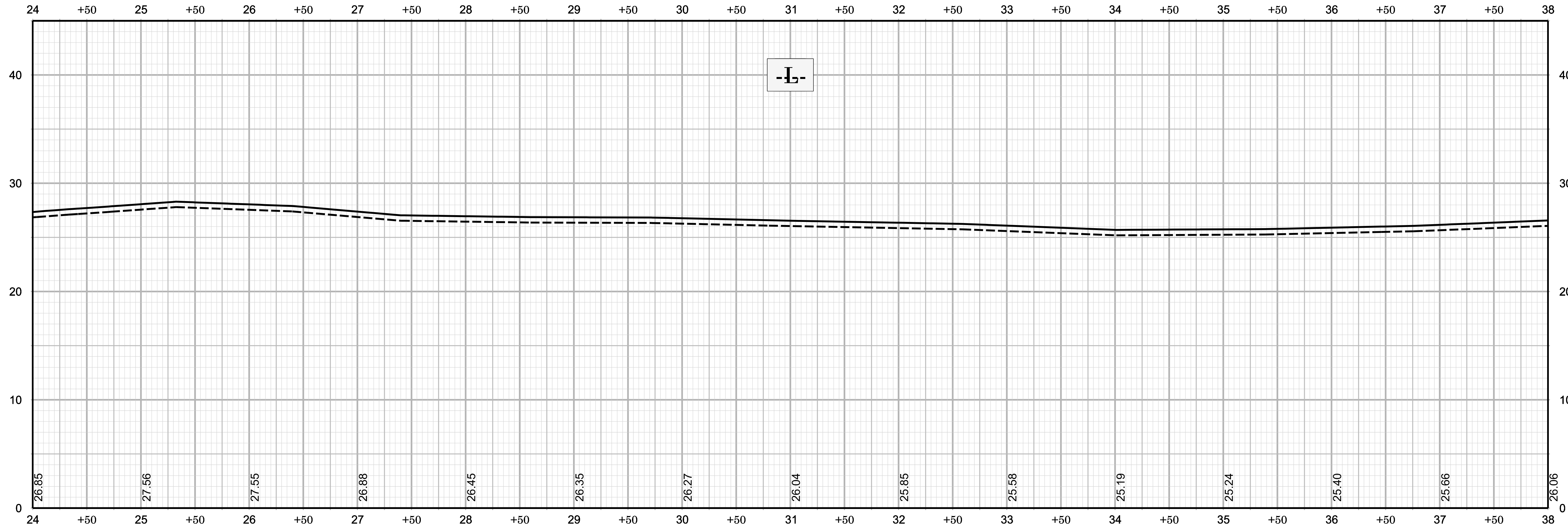
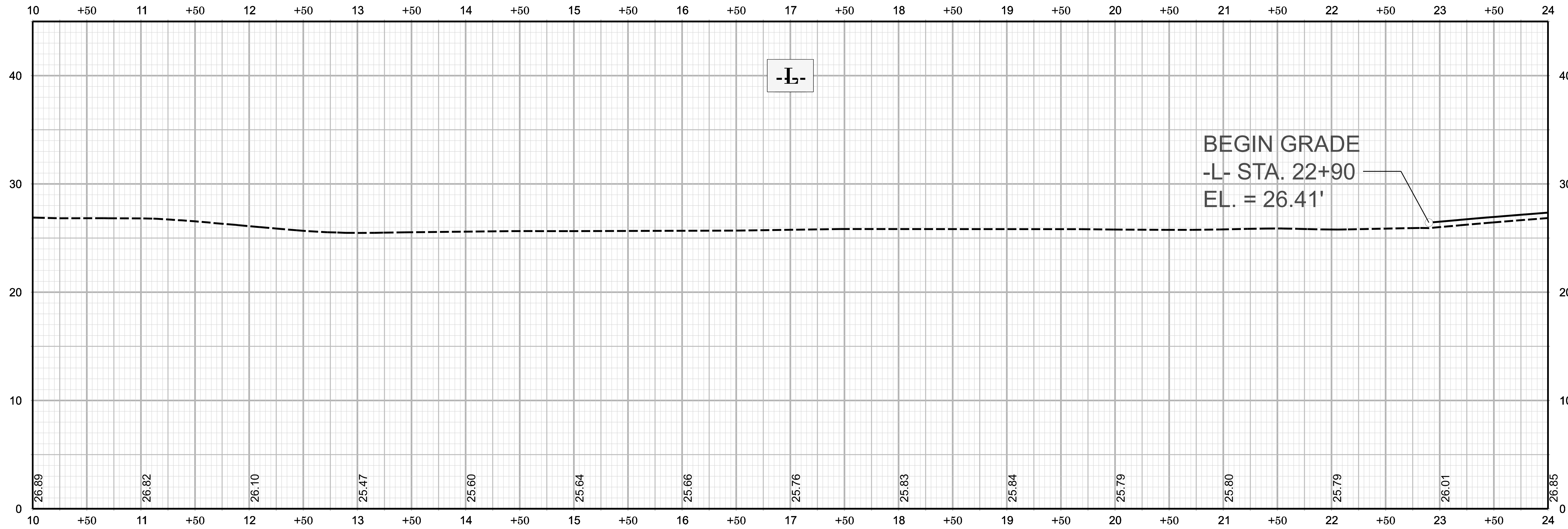
LOWGROUNDS LAND CO. LLC  
DB 869 PG 945  
MB 13 PG 845



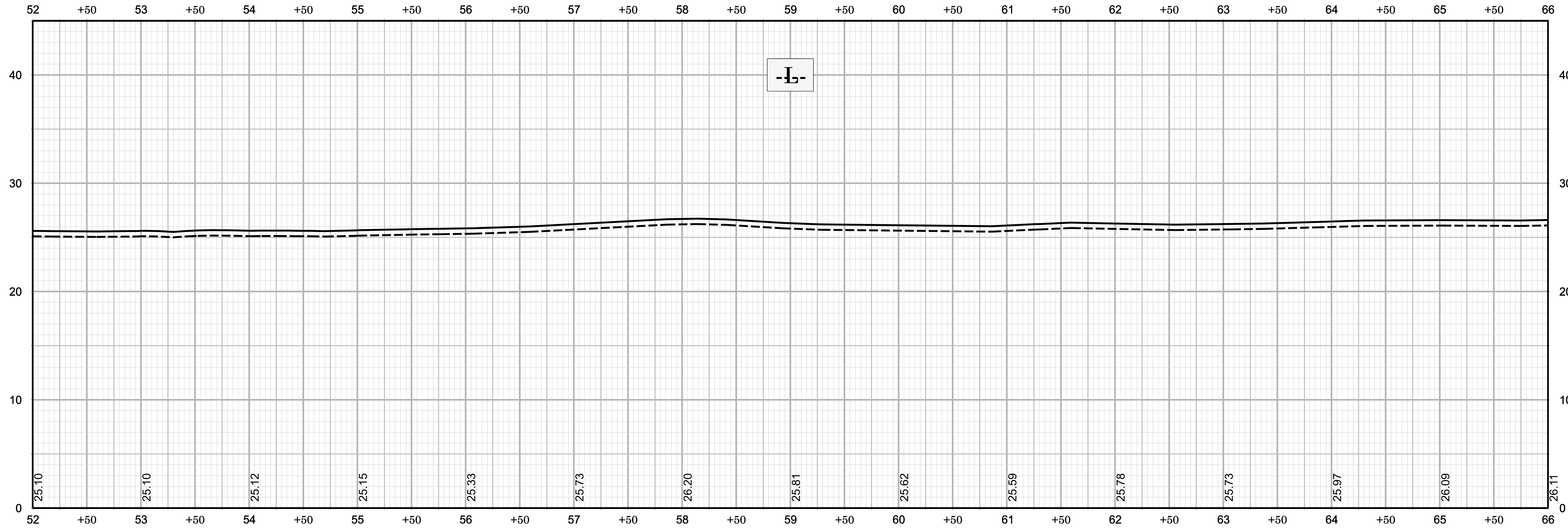
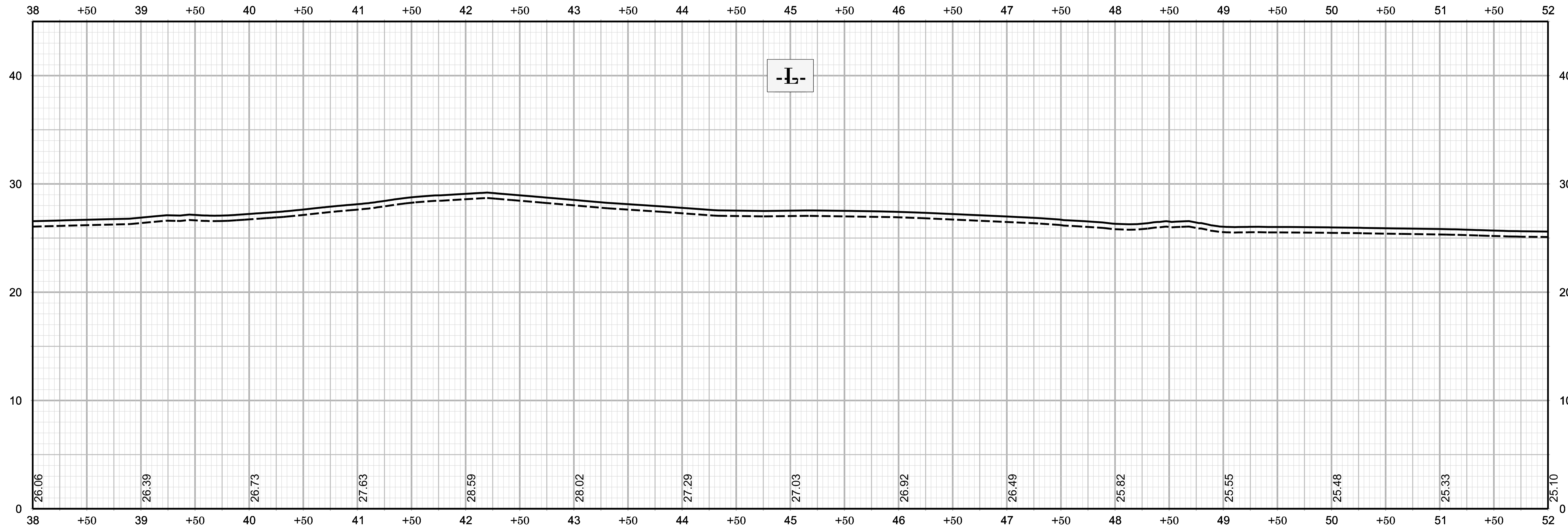
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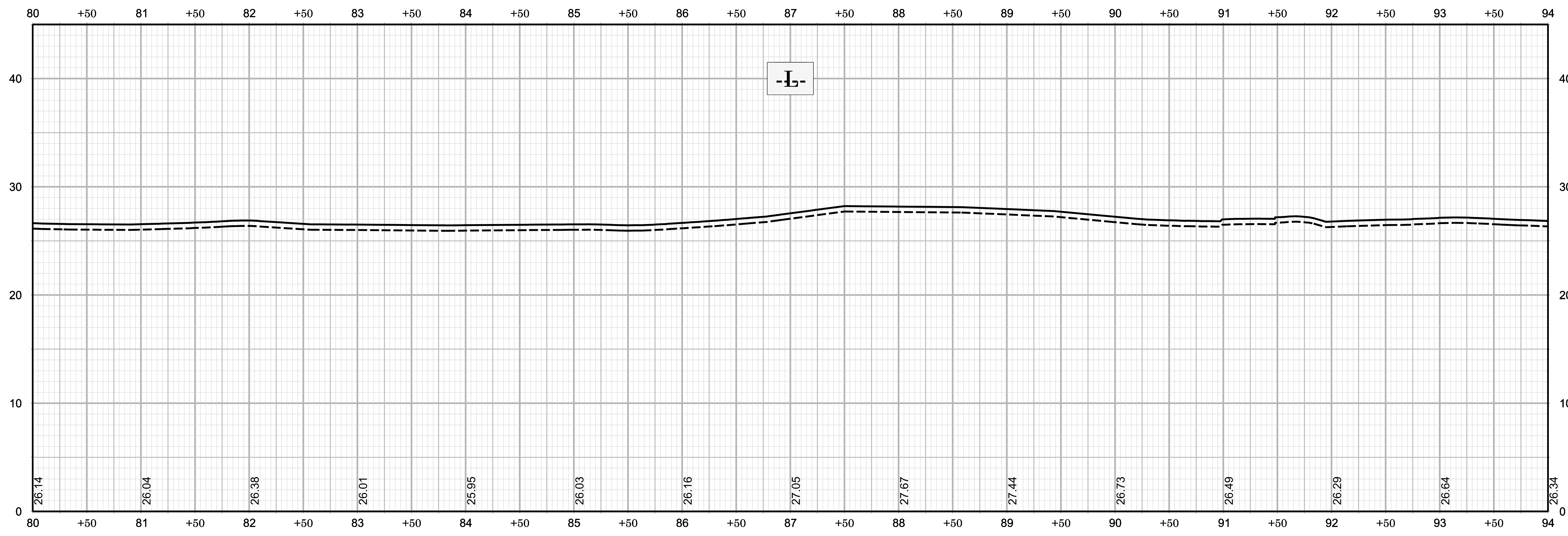
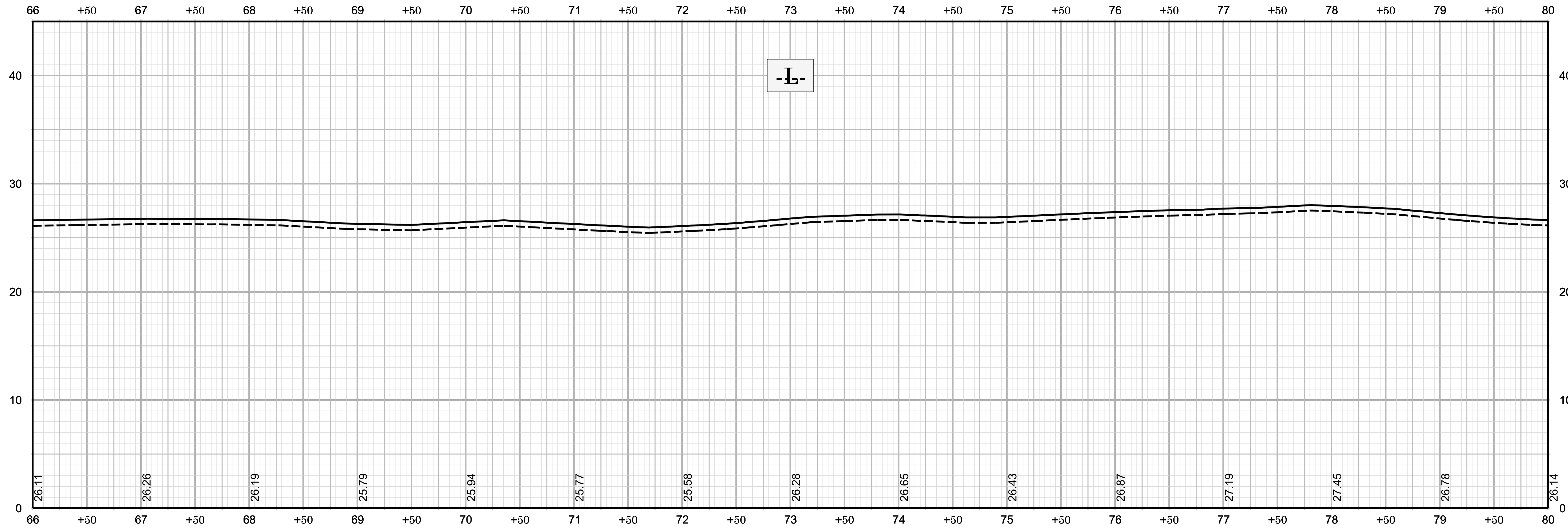
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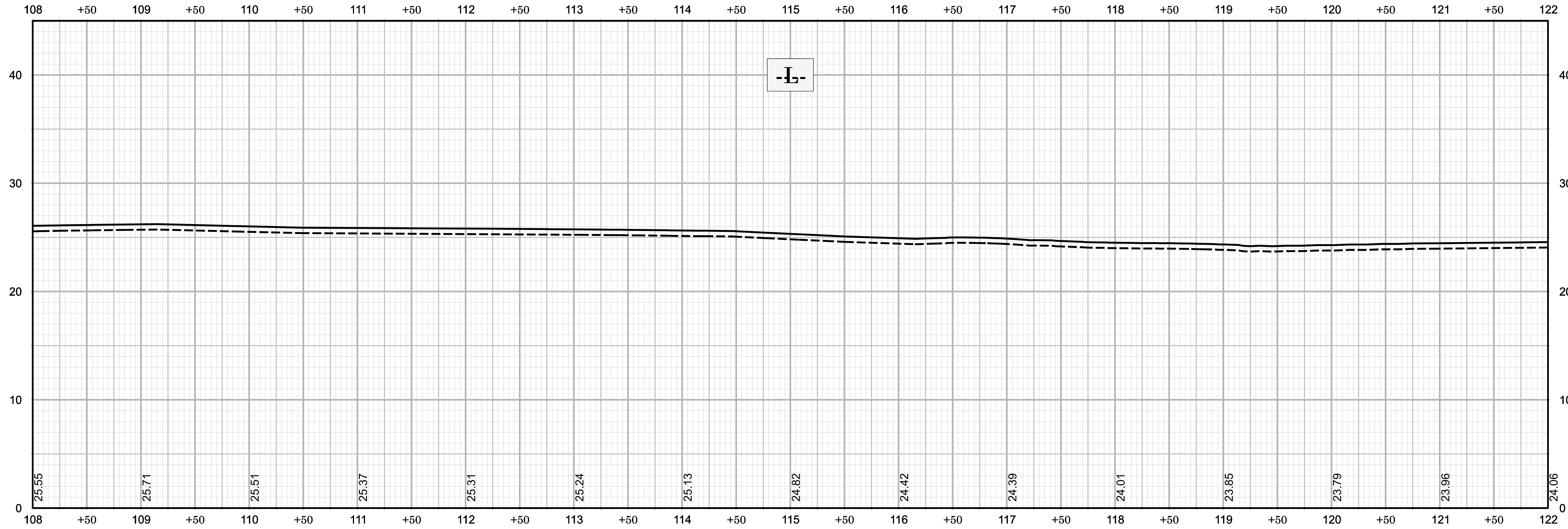
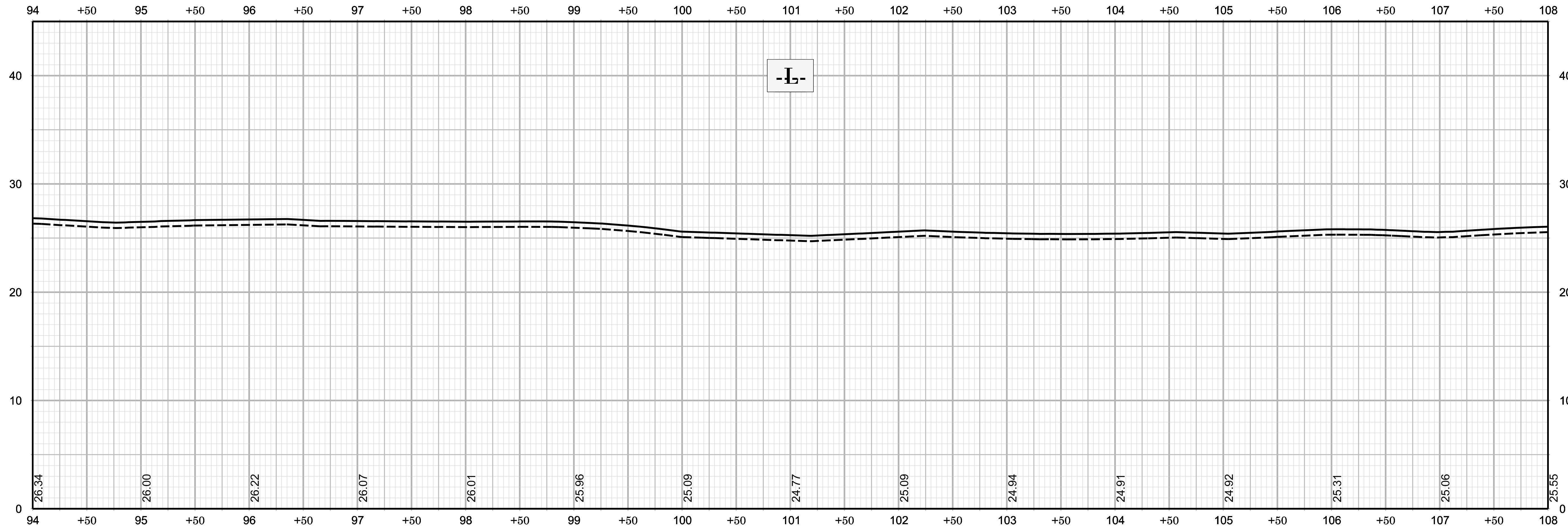
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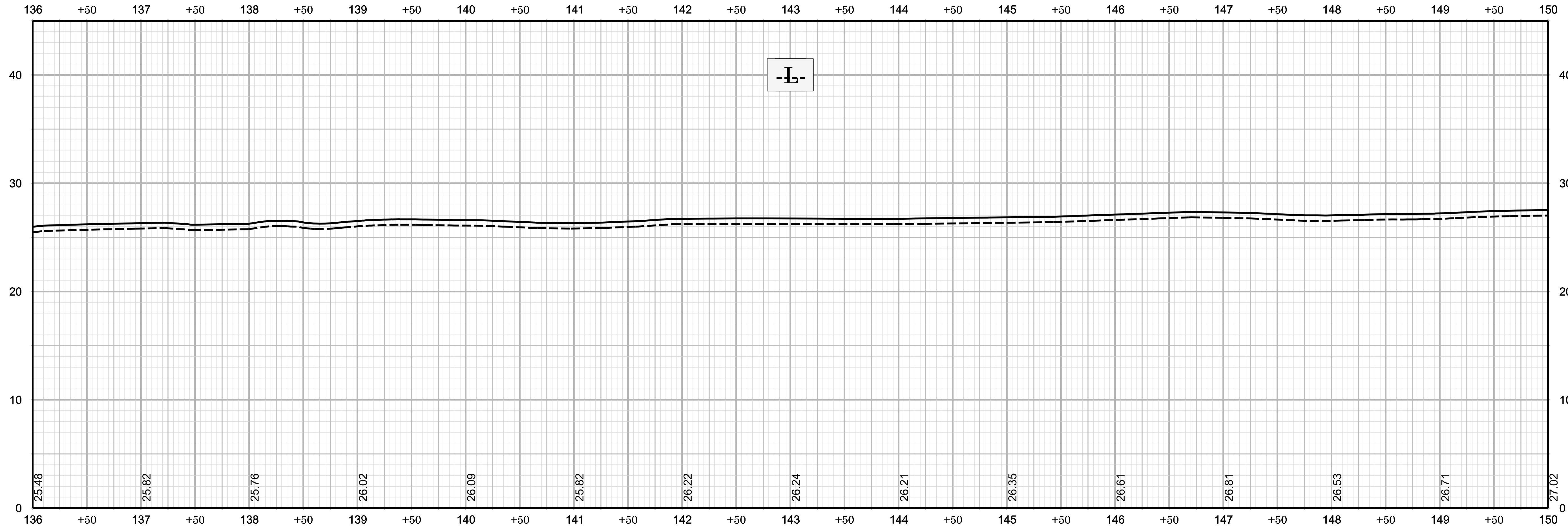
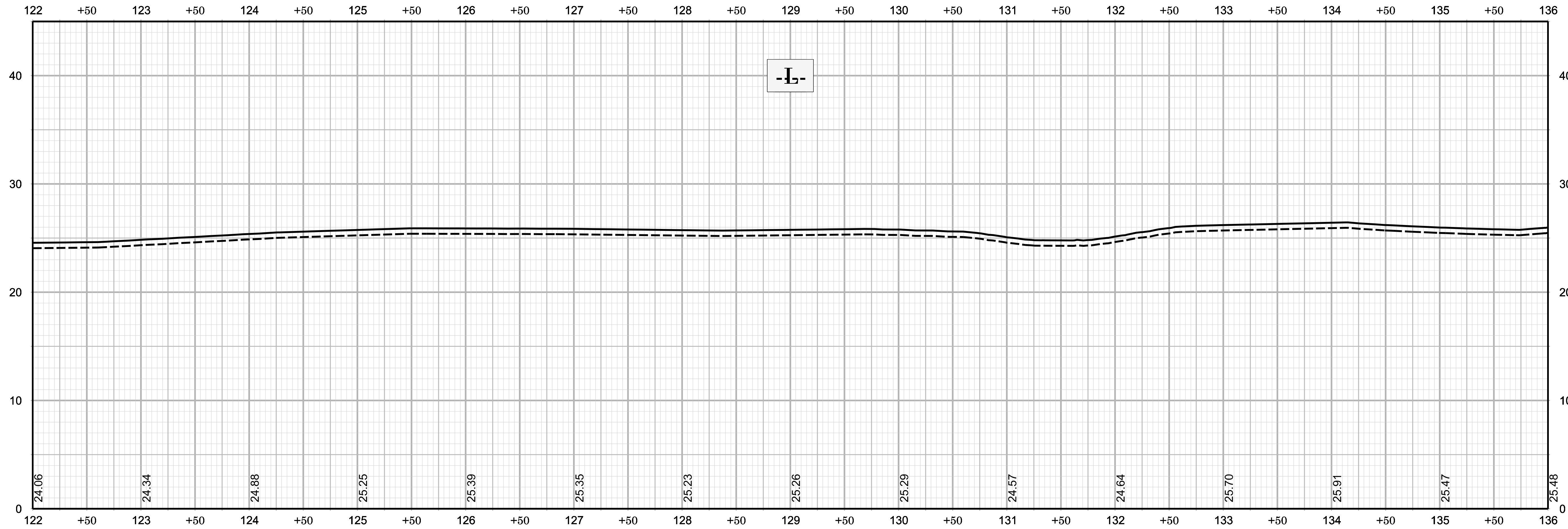


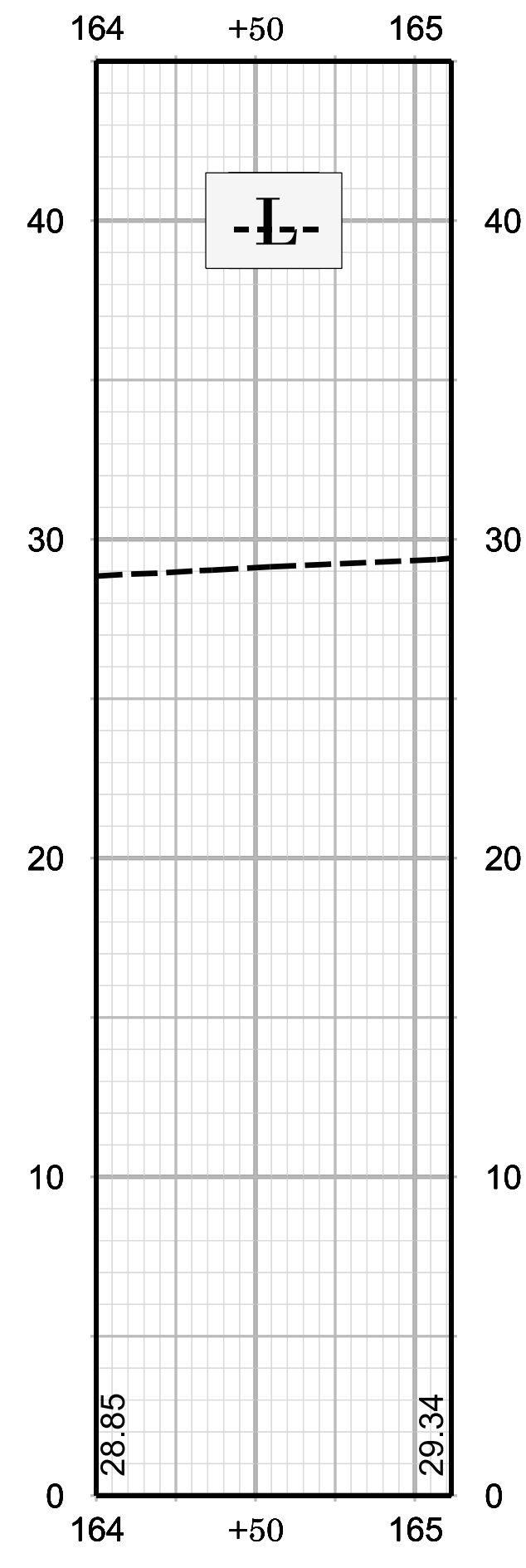
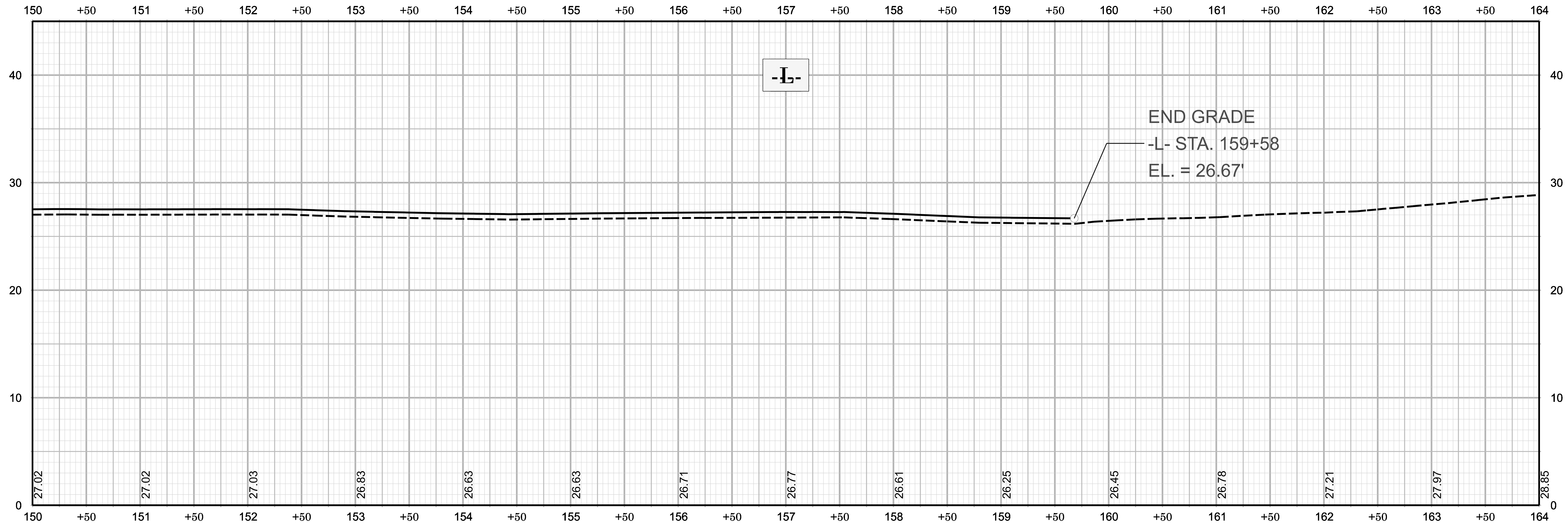








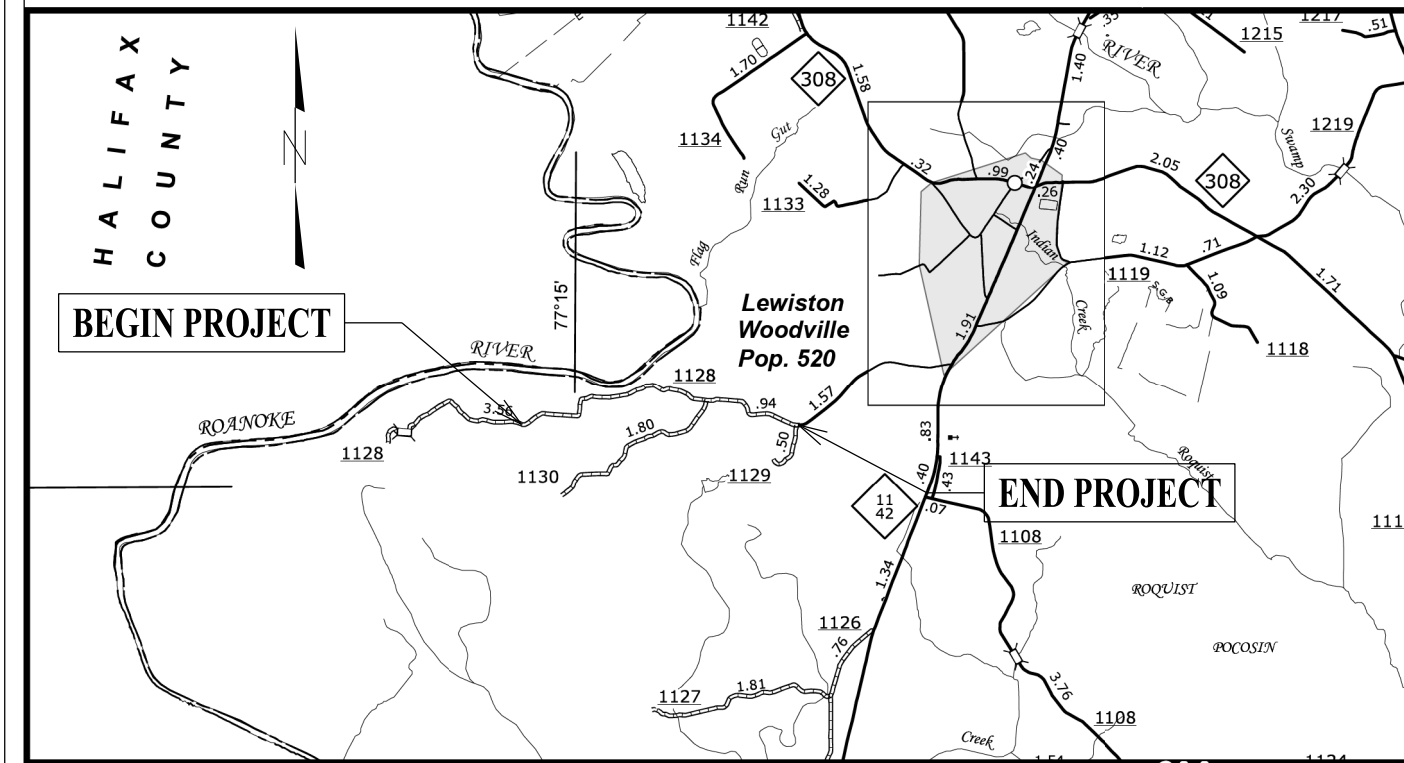






**PROJECT: 80111**

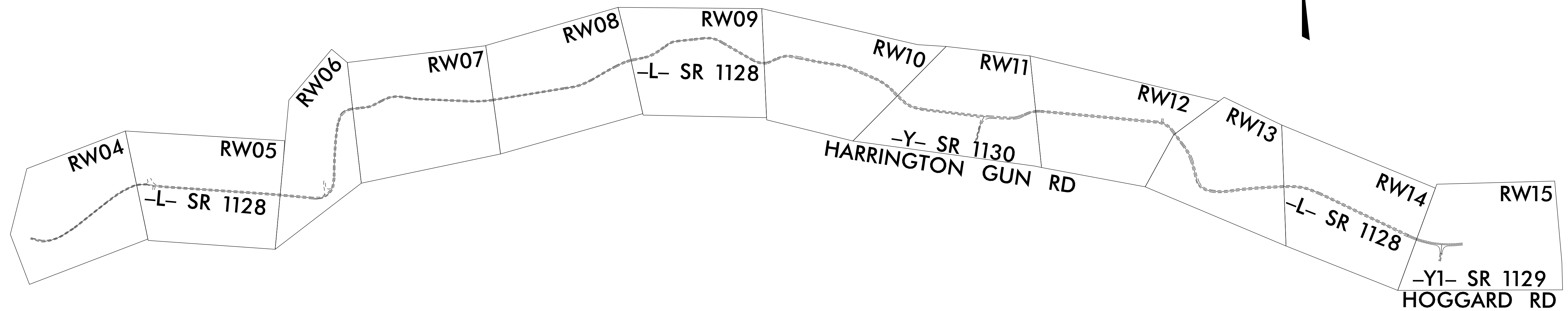
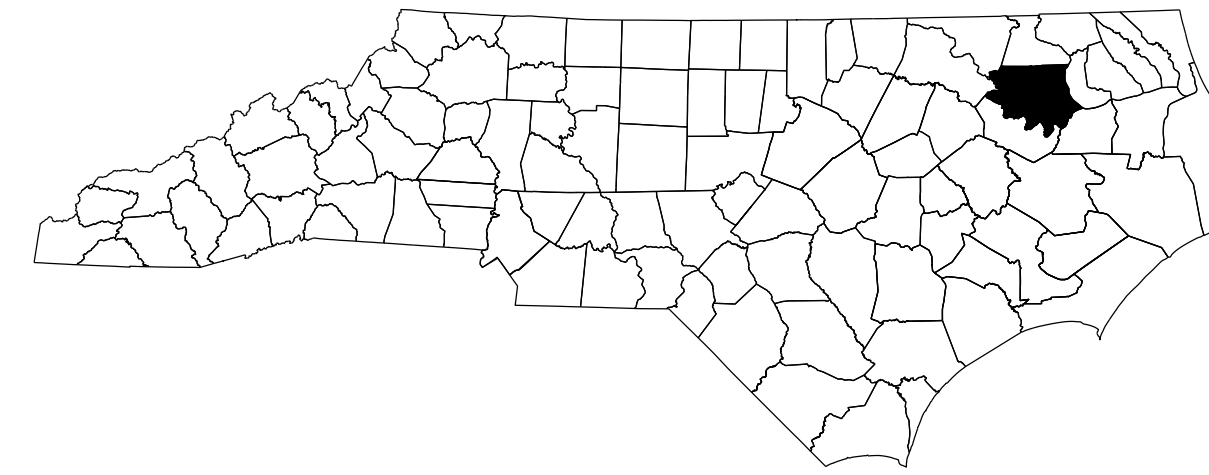
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	SR-1128	RW01	22



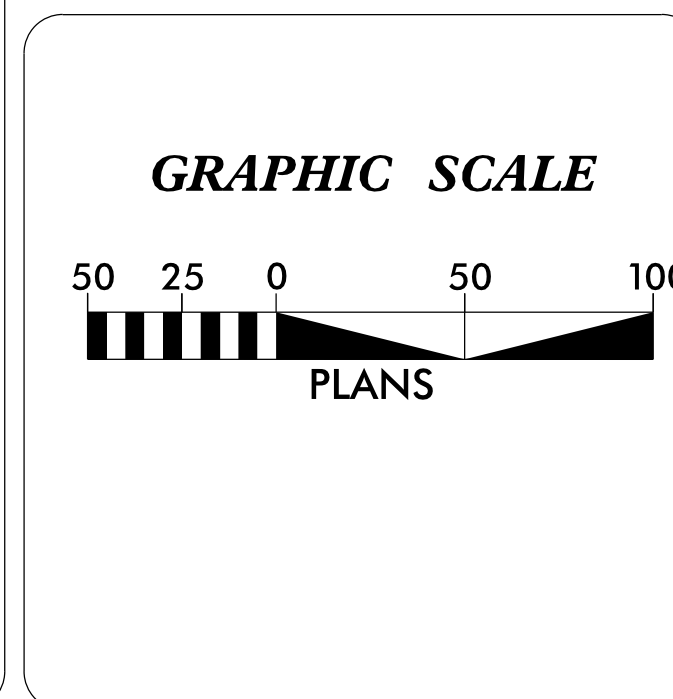
**VICINITY MAP**

STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS  
 SURVEY CONTROL, EXISTING CENTERLINES,  
 RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

**BERTIE COUNTY**



OR  
 LTR



**DATUM DESCRIPTION**  
 THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "CENTROID" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 857,968.7301(ft) EASTING: 2,522,689.1040(ft) ELEVATION: 24.68(ft)  
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99998501363  
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "CENTROID" TO -L- STATION 10+00 IS S 81°26'39.74" W 8,537.02(ft)  
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:  
 Location & Surveys  
 Division 1  
 1300 US 64 W  
 Plymouth, NC 27962

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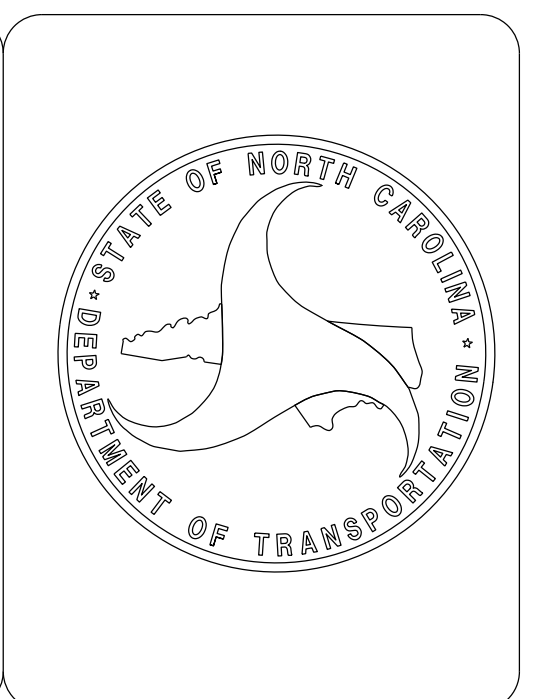
2018 STANDARD SPECIFICATIONS

**RIGHT OF WAY DATE:** 10/24/22  
**LETTING DATE:**

**PROFESSIONAL LAND SURVEYOR**

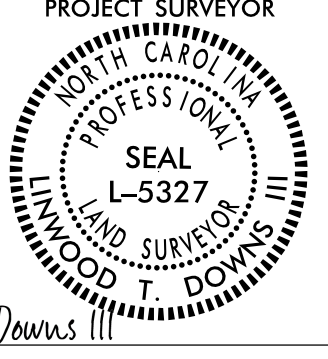
DocuSigned by:  
 Linwood T. Downs III  
 SIGNATURE

03/28/2023  
 Date:



# SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO. SR-1128	SHEET NO. RW02C-1
<b>Location and Surveys</b>	
Location & Surveys Division 1 1300 US 64W Plymouth, NC 27964	
PROJECT SURVEYOR 	
DocuSigned by: <i>Linwood T. Downs III</i> BASIS OF DESIGN: <b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

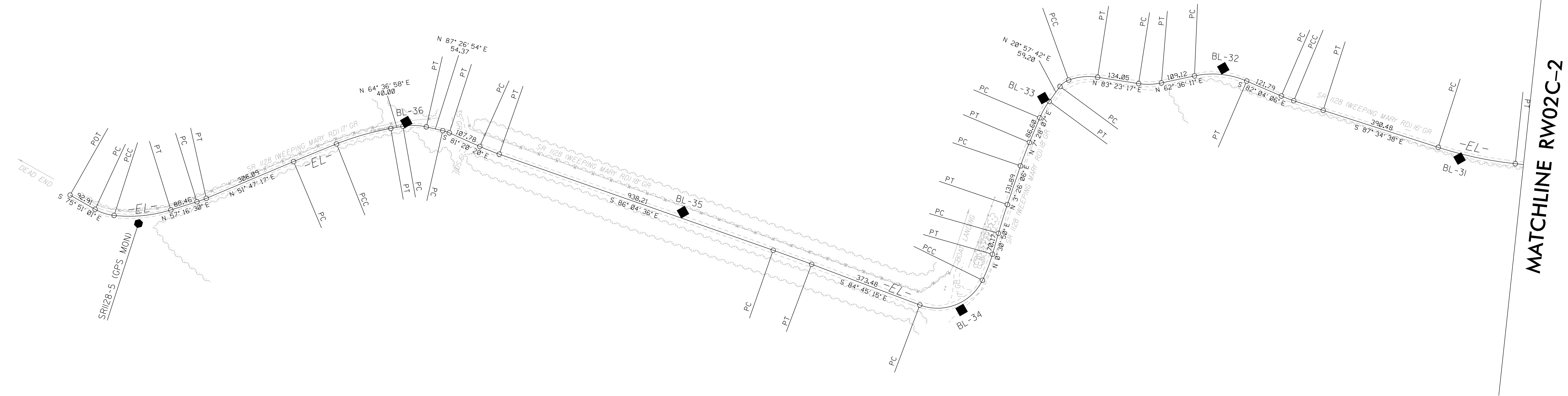
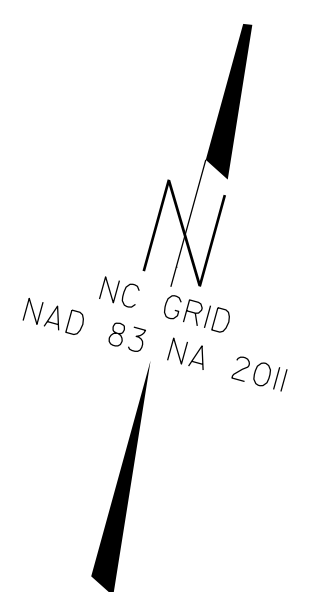
I, Linwood T. Downs III, PLS, certify that the Project Control was performed under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: **AA**  
 Type of GPS field procedure: RTN  
 Dates of survey: June 2021  
 Datum/Epoch: NAD 83/NA 2011  
 Published/Fixed-control use: N/A  
 Localized around: Centroid  
 Northing: 857968.7301  
 Easting: 2522689.1040  
 Combined grid factor: 0.99998501363  
 Geoid model: Geoid 12  
 Units: US Survey Foot

I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed in June 2021, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 9th day of May, 2022.

DocuSigned by:  
*Linwood T. Downs III*  
Professional Land Surveyor L-5327



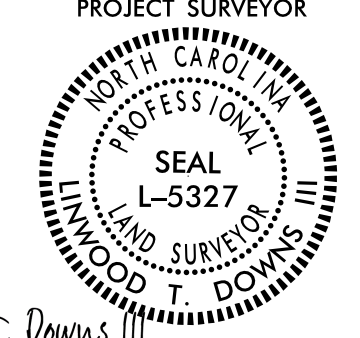
**NOTES:**

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.



# SURVEY CONTROL SHEET

**W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION**

PROJECT REFERENCE NO. SR-1128	SHEET NO. RW02C-2
<b>Location and Surveys</b>	
Location & Surveys Division 1 1300 US 64W Plymouth, NC 27964	
PROJECT SURVEYOR 	
Documented by: Linwood T. Downs III Professional Land Surveyor L-5327	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

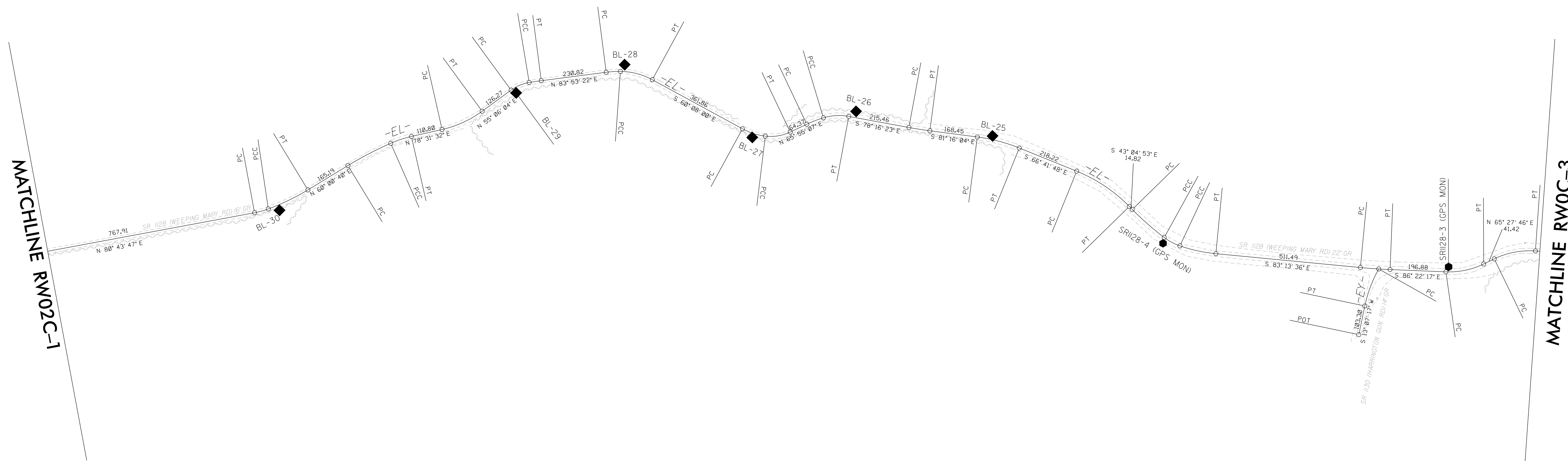
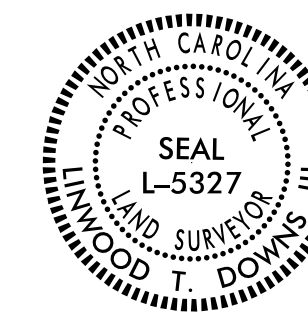
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 Type of GPS field procedure: RTN  
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 Localized around: Centroid  
 Northing: 857968.7301  
 Easting: 2522669.1040  
 Combined grid factor: 0.99998501363  
 Geoid model: Geoid 12  
 Units: US Survey Foot

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This 9th day of May, 2022.

Documented by:  
 Linwood T. Downs III  
 Professional Land Surveyor L-5327



**NOTES:**

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6/2/99

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 Ltdowns AT LS-330213L

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
SR-1128	RW02C-3
<b>Location and Surveys</b>	
LOCATION & SURVEYS DIVISION 1 1300 US HWY 64 W PLYMOUTH, NC 27962	
PROJECT SURVEYOR 	
DocuSigned by: <i>Linwood T. Downs III</i> 84592 <b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	



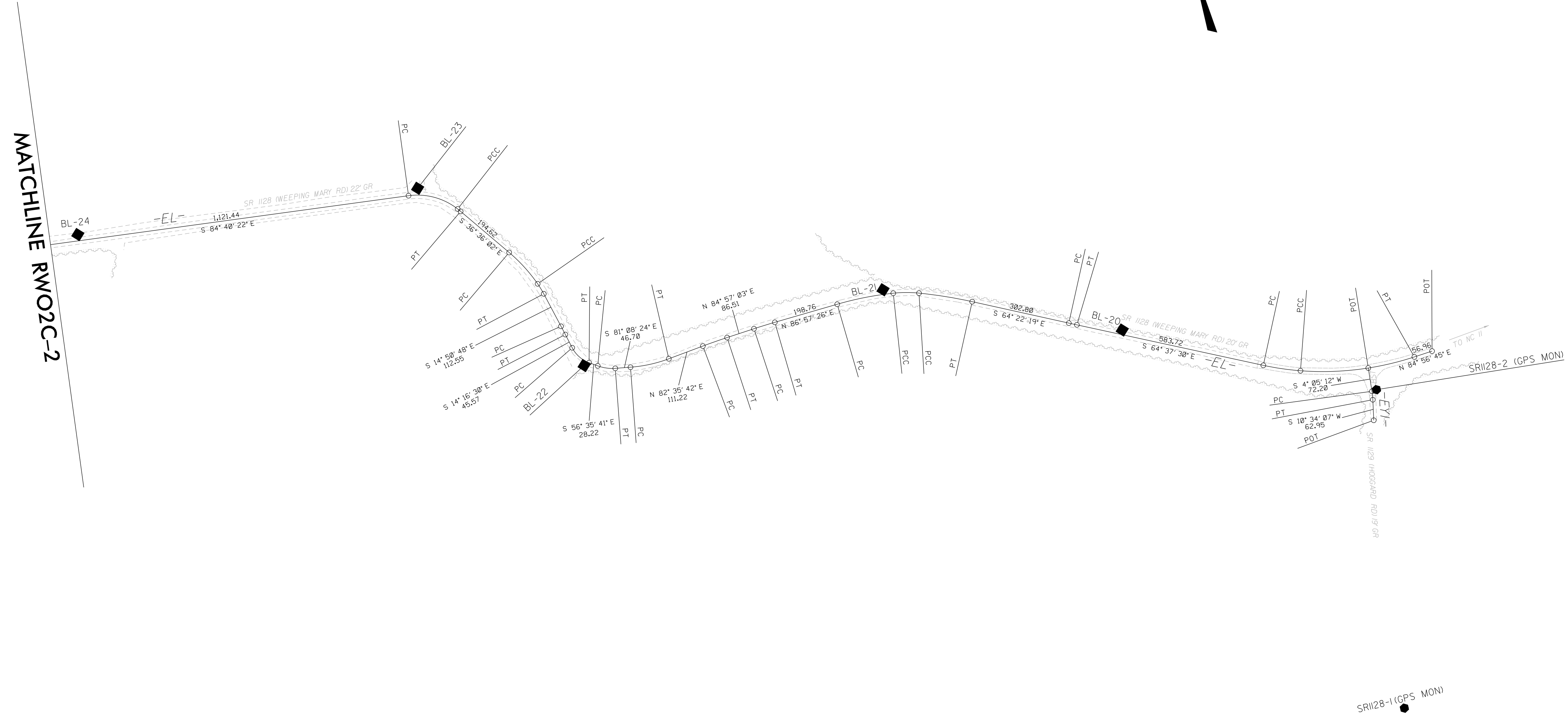
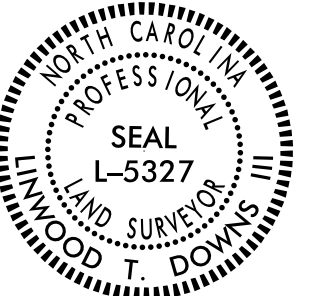
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Class of survey: AA  
 Type of GPS field procedure: RTN  
 Dates of survey: June 2021  
 Datum/Epoch: NAD 83/NA 2011  
 Published/Fixed-control use: N/A  
 Localized around: Centroid  
 Northing: 857968.7301  
 Easting: 2522689.1040  
 Combined grid factor: 0.99998501363  
 Geoid model: Geoid 12  
 Units: US Survey Foot

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This 9th day of May, 2022.

DocuSigned by:  
*Linwood T. Downs III*  
Professional Land Surveyor L-5327



REVISIONS

13-MAR-2023 13:18  
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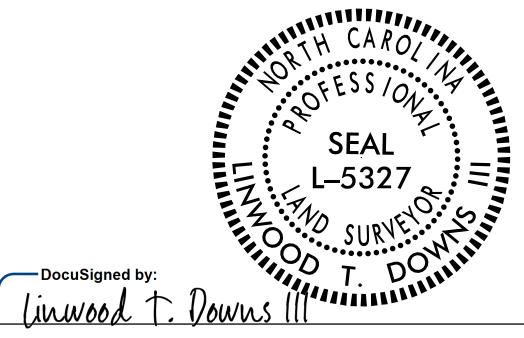
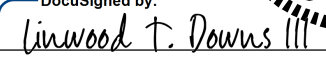
### NOTES:

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# SURVEY CONTROL SHEET

## W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
SR-1128	RWOC-4
<b>Location and Surveys</b>	
Location & Surveys Division 1 1300 US 64W Plymouth, NC 27964	
PROJECT SURVEYOR	
	
<small>Documented by:</small> 	
<small>Professional Land Surveyor L-5327</small> <b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

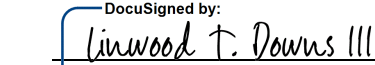
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POT	856698.682	2514247.089							
LINE			S 75°51'00.6" E	92.91					
PC	856675.968	2514337.185							
CURVE			S 87°29'18.2" E	64.55	23°16'35.1"(LT)	35°48'35.5"	65.00	32.95	160.00
PCC	856673.140	2514401.677							
CURVE			N 69°04'27.3" E	184.03	23°35'54.0"(LT)	12°43'56.6"	185.34	94.00	450.00
PT	856738.869	2514573.573							
LINE			N 57°16'30.3" E	88.46					
PC	856786.691	2514647.992							
CURVE			N 54°31'53.6" E	32.26	05°29'13.3"(LT)	17°00'00.0"	32.28	16.15	337.03
PT	856805.412	2514674.269							
LINE			N 51°47'17.0" E	306.09					
PC	856994.749	2514914.770							
CURVE			N 52°19'30.7" E	150.00	01°04'27.5"(RT)	00°42'58.3"	150.00	75.00	800.00
PCC	857086.424	2515033.492							
CURVE			N 58°44'21.1" E	182.26	11°45'13.4"(RT)	06°26'15.8"	182.58	91.61	890.00
PT	857181.003	2515189.287							
LINE			N 64°36'57.8" E	40.00					
PC	857198.151	2515225.426							
CURVE			N 76°01'56.1" E	75.61	22°49'56.5"(RT)	30°00'00.0"	76.11	38.57	190.99
PT	857216.400	2515298.796							
LINE			N 87°26'54.4" E	54.37					
PC	857218.821	2515353.115							
CURVE			S 86°56'42.9" E	22.39	11°12'45.5"(RT)	50°00'00.0"	22.43	11.25	114.59
PT	857217.628	2515375.473							
LINE			S 81°20'20.2" E	107.78					
PC	857201.397	2515482.022							
CURVE			S 83°42'28.3" E	67.66	04°44'16.2"(LT)	07°00'00.0"	67.68	33.86	818.51
PT	857193.981	2515549.279							
LINE			S 86°04'36.4" E	938.21					
PC	857129.789	2516485.295							
CURVE			S 85°24'56.0" E	132.25	01°19'20.9"(RT)	01°00'00.0"	132.25	66.13	5729.58
PT	857119.219	2516617.117							
LINE			S 84°45'15.5" E	373.48					
PC	857085.073	2516989.035							
CURVE			N 53°02'10.9" E	217.68	84°25'07.3"(LT)	35°22'04.0"	238.69	146.94	162.00
PCC	857215.963	2517162.962							
CURVE			N 05°40'13.4" E	89.88	10°18'47.7"(LT)	11°27'33.0"	90.00	45.12	500.00
PT	857305.402	2517171.843							
LINE			N 00°30'49.6" E	70.17					
PC	857375.574	2517172.472							
CURVE			N 01°58'28.0" E	97.37	02°55'16.9"(RT)	03°00'00.0"	97.38	48.70	1909.86
PT	857472.885	2517175.827							
LINE			N 03°26'06.5" E	131.89					
PC	857604.533	2517183.729							
CURVE			N 05°27'06.9" E	80.65	04°02'00.9"(RT)	05°00'00.0"	80.67	40.35	1145.92
PT	857684.823	2517191.392							
LINE			N 07°28'07.3" E	86.60					
PC	857770.686	2517202.648							
CURVE			N 14°12'54.6" E	61.19	13°29'34.5"(RT)	22°00'00.0"	61.33	30.81	260.44
PT	857830.003	2517217.674							
LINE			N 20°57'41.9" E	59.20					
PC	857885.281	2517238.851							
CURVE			N 37°51'03.1" E	34.86	33°46'42.5"(RT)	95°29'34.7"	35.37	18.22	60.00
PCC	857912.809	2517260.243							
CURVE			N 69°03'50.5" E	94.01	28°38'52.4"(RT)	30°09'20.4"	95.00	48.51	190.00
PT	857946.402	2517348.050							
LINE			N 83°23'16.7" E	134.05					
PC	857961.837	2517481.204							
CURVE			N 72°59'43.9" E	73.83	20°47'05.7"(LT)	28°00'00.0"	74.23	37.53	204.63
PT	857983.427	2517551.802							
LINE			N 62°36'11.0" E	109.12					
PC	858033.639	2517648.683							
CURVE			N 80°16'02.5" E	169.62	35°19'43.0"(RT)	20°30'00.0"	172.33	89.01	279.49
PT	858062.313	2517815.860							
LINE			S 82°04'05.9" E	121.79					
PC	858045.506	2517936.488							
CURVE			S 84°32'10.6" E	43.06	04°56'09.2"(LT)	11°27'33.0"	43.07	21.55	500.00
PCC	858041.406	2517979.353							
CURVE			S 87°17'26.5" E	100.00	00°34'22.6"(LT)	00°34'22.6"	100.00	50.00	1000.00
PT	858036.679	2518079.240							
LINE			S 87°34'37.8" E	390.48					
PC	858020.172	2518469.371							
CURVE			N 86°34'34.5" E	254.68	11°41'35.3"(LT)	04°35'00.0"	255.12	128.01	1250.09
PT	858035.382	2518723.597							
LINE			N 80°43'46.9" E	767.91					
PC	858159.086	2519481.475							
CURVE			N 75°55'15.2" E	50.30	09°37'03.4"(LT)	19°05'54.9"	50.36	25.24	300.00
PCC	858171.321	2519530.263							
CURVE			N 65°33'41.5" E	154.76	11°06'03.8"(LT)	07°09'43.1"	155.00	77.74	800.00
PT	858235.347	2519671.155							
LINE			N 60°00'39.6" E	165.19					
PC	858317.913	2519814.227							
CURVE			N 63°45'26.2" E	169.88	07°29'33.1"(RT)	04°24'26.5"	170.00	85.12	1300.00
PCC	858393.029	2519966.596							
CURVE			N 73°00'52.5" E	76.83	11°01'19.6"(RT)	14°19'26.2"	76.95	38.59	400.00
PT	858415.474	2520040.075							
LINE			N 78°31'32.3" E	110.80					
PC	858437.515	2520148.659							
CURVE			N 66°48'48.0" E	155.08	23°25'28.6"(LT)	15°00'00.0"	156.16	79.19	381.97
PT	858498.573	2520291.212							
LINE			N 55°06'03.7" E	126.27					
PC	858570.815	2520394.771							
CURVE			N 68°28'12.2" E	69.37	26°44'16.9"(RT)	38°11'49.9"	70.00	35.65	150.00
PCC	858596.271	2520459.298							
CURVE			N 82°51'51.5" E	42.94	02°03'01.8"(RT)	04°46'28.7"	42.95	21.48	1200.00
PT	858601.606	2520501.908							

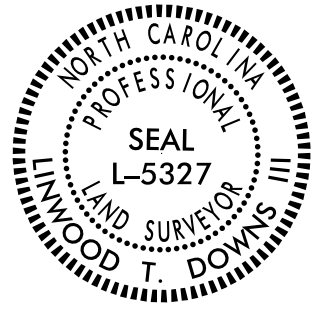
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This 9th day of May, 2022.

Documented by:  
  
 Professional Land Surveyor L-5327



REVISIONS

I3-MAR-2023 13:22  
 R:\B\_Jobs\Division1\Projects\Bertie Co\ISP\_20081.4\_Weeping\_Mary\_Rd\Control\_Sheets\C-Sheets\sr-1128\_1s-rw02c-4.dgn  
 Ltdowns AT LS-330213L

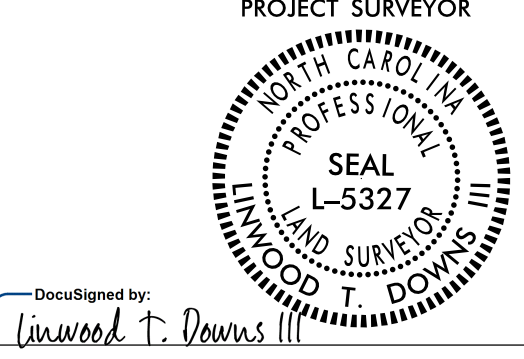
### NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.



# SURVEY CONTROL SHEET

## W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
SR-1128	RWOC-5
<b>Location and Surveys</b>	
Location & Surveys Division 1 1300 US 64W Plymouth, NC 27964	
PROJECT SURVEYOR  SEAL L-5327 LINWOOD T. DOWNS III	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
LINE			N 83°53'22.4" E	230.82					
PC	858626.175	2520731.412							
CURVE			N 87°52'06.3" E	49.96	07°57'27.9"(RT)	15°54'55.8"	50.00	25.04	360.00
PCC	858628.033	2520781.338							
CURVE			S 74°08'34.8" E	116.20	28°01'09.8"(RT)	23°52'23.7"	117.37	59.88	240.00
PT	858596.283	2520893.117							
LINE			S 60°07'59.9" E	361.86					
PC	858416.084	2521206.914							
CURVE			S 70°57'21.0" E	84.50	21°38'42.3"(LT)	25°27'53.2"	85.00	43.01	225.00
PCC	858388.513	2521286.785							
CURVE			N 82°04'12.6" E	89.02	32°18'10.5"(LT)	35°48'35.5"	90.21	46.34	160.00
PT	858400.794	2521374.951							
LINE			N 65°55'07.3" E	64.37					
PC	858427.059	2521433.718							
CURVE			N 70°12'57.2" E	62.94	08°35'39.7"(RT)	13°38'30.7"	63.00	31.56	420.00
PCC	858448.363	2521492.944							
CURVE			N 88°07'12.1" E	89.40	27°12'50.2"(RT)	30°09'20.4"	90.24	45.99	190.00
PT	858451.296	2521582.294							
LINE			S 78°16'22.8" E	215.46					
PC	858407.503	2521793.259							
CURVE			S 79°46'13.3" E	74.86	02°59'41.0"(LT)	04°00'00.0"	74.87	37.44	1432.39
PT	858394.209	2521866.928							
LINE			S 81°16'03.8" E	168.45					
PC	858368.635	2522033.426							
CURVE			S 73°58'56.0" E	152.97	14°34'15.5"(RT)	09°30'00.0"	153.38	77.11	603.11
PT	858326.426	2522180.453							
LINE			S 66°41'48.3" E	218.22					
PC	858240.099	2522380.870							
CURVE			S 54°53'20.5" E	223.32	23°36'55.6"(RT)	10°30'00.0"	224.91	114.07	545.67
PT	858111.654	2522563.555							
LINE			S 43°04'52.7" E	14.82					
PC	858100.832	2522573.676							
CURVE			S 47°22'42.5" E	149.86	08°35'39.7"(LT)	05°43'46.5"	150.00	75.14	1000.00
PT	857999.354	2522683.949							
LINE			S 60°40'47.4" E	62.60	18°00'30.1"(LT)	28°38'52.4"	62.86	31.69	200.00
PC	857968.698	2522738.532							
CURVE			S 76°27'19.2" E	129.70	13°32'33.5"(LT)	10°25'02.7"	130.00	65.30	550.00
PT	857938.323	2522864.622							
LINE			S 83°13'36.0" E	511.49					
PC	857877.997	2523372.543							
CURVE			S 84°47'56.3" E	104.81	03°08'40.5"(LT)	03°00'00.0"	104.82	52.42	1909.86
PT	857868.496	2523476.918							
LINE			S 86°22'16.5" E	196.88					
PC	857856.035	2523673.406							
CURVE			N 79°32'44.7" E	136.02	28°09'57.5"(LT)	20°30'00.0"	137.39	70.12	279.49
PT	857880.715	2523807.164							
LINE			N 65°27'46.0" E	41.42					
PC	857897.916	2523844.843							
CURVE			N 80°23'42.1" E	147.64	29°51'52.2"(RT)	20°00'00.0"	149.32	76.40	286.48
PT	857922.550	2523990.411							
LINE			S 84°40'21.8" E	1121.44					
PC	857818.430	2525107.004							
CURVE			S 61°45'15.8" E	155.77	45°50'11.8"(RT)	28°38'52.4"	160.00	84.56	200.00
PCC	857744.713	2525244.223							
CURVE			S 37°43'05.9" E	11.70	02°14'07.9"(RT)	19°05'54.9"	11.71	5.85	300.00
PT	857735.455	2525251.384							
LINE			S 36°36'02.0" E	194.62					
PC	857579.213	2525367.421							
CURVE			S 29°09'07.5" E	129.63	14°53'48.8"(RT)	11°27'33.0"	130.00	65.37	500.00
PCC	857466.000	2525430.570							
CURVE			S 18°16'30.5" E	35.88	06°51'25.3"(RT)	19°05'54.9"	35.90	17.97	300.00
PT	857431.928	2525441.022							
LINE			S 14°50'47.8" E	112.55					
PC	857323.132	2525470.661							
CURVE			S 14°33'38.9" E	28.58	00°34'17.9"(RT)	02°00'00.0"	28.58	14.29	2864.79
PT	857295.468	2525477.847							
LINE			S 14°16'29.9" E	45.57					
CURVE			S 35°26'05.5" E	68.94	42°19'11.2"(LT)	60°00'00.0"	70.53	36.96	95.49
PT	857195.131	2525529.055							
LINE			S 56°35'41.1" E	28.22					
PC	857179.596	2525552.610							
CURVE			S 68°52'02.3" E	54.13	24°32'42.5"(LT)	45°00'00.0"	54.54	27.70	127.32
PT	857160.081	2525603.098							
LINE			S 81°08'23.6" E	46.70					
PC	857152.888	2525649.246							
CURVE			S 89°16'20.9" E	120.08	16°15'54.5"(LT)	13°30'00.0"	120.48	60.65	424.41
PT	857151.363	2525769.314							
LINE			N 82°35'41.9" E	111.22					
PC	857165.697	2525879.603							
CURVE			N 83°46'22.5" E	78.52	02°21'21.1"(RT)	03°00'00.0"	78.53	39.27	1909.86
PT	857174.214	2525957.663							
LINE			N 84°57'03.0" E	86.51					
PC	857181.828	2526043.835							
CURVE			N 85°57'14.7" E	66.88	02°00'23.3"(RT)	03°00'00.0"	66.88	33.44	1909.86
PT	857186.546	2526110.547							
LINE			N 86°57'26.3" E	198.76					
PC	857197.097	2526309.028							
CURVE			S 88°01'45.5" E	174.78	10°01'36.3"(RT)	05°43'46.5"	175.00	87.72	1000.00
PCC	857191.086	2526483.701							
CURVE			S 77°04'13.0" E	78.72	11°53'28.8"(RT)	15°04'40.2"	78.87	39.58	380.00
PCC	857173.471	2526560.430							
CURVE			S 67°44'53.7" E	164.90	06°45'09.8"(RT)	04°05'33.2"	165.00	82.60	1400.00
PT	857111.026	2526713.054							
LINE			S 64°22'18.8" E	302.80					
PC	856980.058	2526986.061							
CURVE			S 64°29'54.3" E	25.30	00°15'10.9"(LT)	01°00'00.0"	25.30	12.65	5729.58
PT	856969.164	2527008.899							
LINE			S 64°37'29.7" E	583.72					
PC	856719.015	2527536.302							
CURVE			S 68°35'39.1" E	114.91	07°56'18.9"(LT)	06°54'11.2"	115.00	57.59	830.00
PCC	856677.077	2527643.284							
CURVE			S 83°48'31.8" E	351.02	22°29'26.5"(LT)	06°21'58.3"	353.28	178.95	900.00
PT	856639.221	2527992.255							
LINE			N 84°56'44.9" E	56.96					
POT	856644.240	2528048.998							

EY POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	857871.440	2523437.091							
CURVE			S 21°54'26.7" W	139.27	17°34'19.7"(LT)	12°34'03.6"	139.82	70.46	455.90
PT	857742.224	2523385.127							
LINE			S 13°07'16.9" W	103.30					
POT	857641.619	2523361.676							

EY1 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	856638.129	2527847.192							
LINE			S 04°05'12.1" W	72.20					
PC	856566.111	2527842.046							
CURVE			S 07°19'39.7" W	25.91	06°28'55.1"(RT)	25°00'00.0"	25.93	12.98	229.18
PT	856540.409	2527838.741							
LINE			S 10°34'07.2" W	62.95					
POT	856478.524	2527827.195							


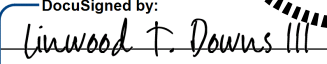
### NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

13-MAR-2023 13:45 R:\B\_Jobs\Division1\Projects\Bertie Co\ISP\_20081.4\_Weeping-Mary-Rd\Control\_Sheets\sr-1128\_1s-rw02c-5.dgn

tdowns AT LS-330213L

PROJECT REFERENCE NO.	SHEET NO.
SR-1128	RWOC-6
<b>Location and Surveys</b>	
Location & Surveys Division 1 1300 US 64W Plymouth, NC 27964	
PROJECT SURVEYOR 	
DocuSigned by:  Linwood T. Downs III BASIS	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

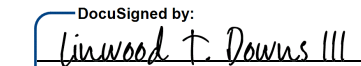
BL	POINT	DESC.	NORTH	EAST	ELEVATION
SR11286	SR1128-6	(GPS MON)	856769.8586	2513077.7630	23.82
SR11285	SR1128-5	(GPS MON)	856668.8086	2514484.5096	24.34
BL36	BL-36		857214.2990	2515231.8370	25.15
BL35	BL-35		857170.9563	2516171.3123	25.85
BL34	BL-34		857105.3130	2517123.2609	26.82
BL33	BL-33		857834.8700	2517196.5690	25.66
BL32	BL-32		858082.0316	2517731.7527	24.87
BL31	BL-31		858003.5396	2518545.2226	25.50
BL30	BL-30		858165.5474	2519569.4915	25.25
BL29	BL-29		858560.4470	2520412.3854	26.26
BL28	BL-28		858651.3942	2520796.8490	29.47
BL27	BL-27		858384.9775	2521240.5145	25.31
BL26	BL-26		858468.3611	2521608.3702	24.30
BL25	BL-25		858370.9790	2522087.0280	25.58
SR11284	SR1128-4	(GPS MON)	857978.8454	2522679.1612	24.55
SR11283	SR1128-3	(GPS MON)	857873.2474	2523683.2542	24.63
BL24	BL-24		857932.1785	2524094.4816	23.72
BL23	BL-23		857834.1739	2525139.1721	25.44
BL22	BL-22		857190.0260	2525512.1774	25.55
BL21	BL-21		857208.3876	2526455.5188	26.30
BL20	BL-20		856922.1987	2527140.4309	25.99
SR11282	SR1128-2	(GPS MON)	856567.8986	2527856.5858	27.52
SR11281	SR1128-1	(GPS MON)	855598.8735	2527718.3882	25.26

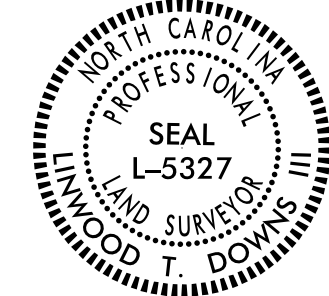
I, Linwood T. Downs III, PLS, certify that the Project Control was performed under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: AA  
 Type of GPS field procedure: RTN  
 Dates of survey: June 2021  
 Datum/Epoch: NAD 83/NA 2011  
 Published/Fixed-control use: N/A  
 Localized around: Centroid  
 Northing: 857968.7301  
 Easting: 2522689.1040  
 Combined grid factor: 0.99998501363  
 Geoid model: Geoid 12  
 Units: US Survey Foot

I also certify that the Baseline Control for this project was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed in June 2021, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 9th day of May, 2022.

DocuSigned by:  
  
 Linwood T. Downs III  
 Professional Land Surveyor L-5327



REVISIONS

I3-MAR-2023 13:10  
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 Ltdowns AT LS-330213L

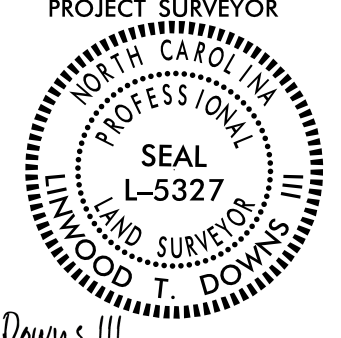
**NOTES:**

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.





# PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO. SR-1128	SHEET NO. RW02D-2
<b>Location and Surveys</b>	
Location & Surveys Division 1 1300 US 64 W Plymouth, NC 27962	
	
Designed by: <i>Linwood T. Downs III</i> Professional Land Surveyor L-5327	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

## L ALIGNMENT CONTINUED FROM RW02D-1

L POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	858626.175	2520731.412	N 87°52'06.3" E	49.96	07°57'27.9"(RT)	15°54'55.8"	50.00	25.04	360.00
CURVE	858628.033	2520781.338	S 74°08'34.8" E	116.20	28°01'09.8"(RT)	23°52'23.7"	117.37	59.88	240.00
PCC									
PT	858596.283	2520893.117	S 60°07'59.9" E	361.86					
LINE									
PC	858416.084	2521206.914	S 70°57'21.0" E	84.50	21°38'42.3"(LT)	25°27'53.2"	85.00	43.01	225.00
CURVE	858388.513	2521286.785	N 82°04'12.6" E	89.02	32°18'10.5"(LT)	35°48'35.5"	90.21	46.34	160.00
PCC									
PT	858400.794	2521374.951	N 65°55'07.3" E	64.37					
LINE									
PC	858427.059	2521433.718	N 70°12'57.2" E	62.94	08°35'39.7"(RT)	13°38'30.7"	63.00	31.56	420.00
CURVE	858448.363	2521492.944	N 88°07'12.1" E	89.40	27°12'50.2"(RT)	30°09'20.4"	90.24	45.99	190.00
PCC									
PT	858451.296	2521582.294	S 78°16'22.8" E	215.46					
LINE									
PC	858407.503	2521793.259	S 79°46'13.3" E	74.86	02°59'41.0"(LT)	04°00'00.0"	74.87	37.44	1432.39
CURVE	858394.209	2521866.928	S 81°16'03.8" E	168.45					
PCC									
PT	858368.635	2522033.426	S 73°58'56.0" E	152.97	14°34'15.5"(RT)	09°30'00.0"	153.38	77.11	603.11
LINE									
PC	858326.426	2522180.453	S 66°41'48.3" E	218.22					
CURVE	858240.099	2522380.870	S 54°53'20.5" E	223.32	23°36'55.6"(RT)	10°30'00.0"	224.91	114.07	545.67
PCC									
PT	858111.654	2522563.555	S 43°04'52.7" E	14.82					
LINE									
PC	858100.832	2522573.676	S 47°22'42.5" E	149.86	08°35'39.7"(LT)	05°43'46.5"	150.00	75.14	1000.00
CURVE	857999.354	2522683.949	S 60°40'47.4" E	62.60	18°00'30.1"(LT)	28°38'52.4"	62.86	31.69	200.00
PCC									
PT	857968.698	2522738.532	S 76°27'19.2" E	129.70	13°32'33.5"(LT)	10°25'02.7"	130.00	65.30	550.00
LINE									
PC	857938.323	2522864.622	S 83°13'36.0" E	511.49					
CURVE	857877.997	2523372.543	S 84°47'56.3" E	104.81	03°08'40.5"(LT)	03°00'00.0"	104.82	52.42	1909.86
PCC									
PT	857868.496	2523476.918	S 86°22'16.5" E	196.88					
LINE									
PC	857856.035	2523673.406	N 79°32'44.7" E	136.02	28°09'57.5"(LT)	20°30'00.0"	137.39	70.12	279.49
CURVE	857880.715	2523807.164	N 65°27'46.0" E	46.44					
PCC									
PT	857900.001	2523849.410	N 80°23'42.1" E	118.53	29°51'52.2"(RT)	24°54'40.4"	119.88	61.34	230.00
LINE									
PC	857919.778	2523966.280	S 84°40'21.8" E	1111.23					
CURVE	857816.606	2525072.711	S 60°38'11.9" E	233.37	48°04'19.8"(RT)	20°00'00.0"	240.36	127.76	286.48
PCC									
PT	857702.173	2525276.101	S 36°36'02.0" E	153.16					
LINE									
PC	857579.213	2525367.421	S 29°09'07.5" E	129.63	14°53'48.8"(RT)	11°27'33.0"	130.00	65.37	500.00
CURVE	857466.000	2525430.570	S 18°16'30.5" E	35.88	06°51'25.3"(RT)	19°05'54.9"	35.90	17.97	300.00
PCC									
PT	857431.928	2525441.822	S 14°50'47.8" E	112.55					
LINE									
PC	857323.132	2525470.661	S 14°33'38.9" E	28.58	00°34'17.9"(RT)	02°00'00.0"	28.58	14.29	2864.79
CURVE	857295.468	2525477.847	S 14°16'29.9" E	45.57					
PCC									
PT	857251.302	2525489.084	S 35°26'05.5" E	68.94	42°19'11.2"(LT)	60°00'00.0"	70.53	36.96	95.49
LINE									
PC	857195.131	2525529.055	S 56°35'41.1" E	28.22					
CURVE	857179.596	2525552.610	S 68°52'02.3" E	54.13	24°32'42.5"(LT)	45°00'00.0"	54.54	27.70	127.32
PCC									
PT	857160.081	2525603.098	S 81°08'23.6" E	46.70					
LINE									
PC	857152.888	2525649.246	S 89°16'20.9" E	120.08	16°15'54.5"(LT)	13°30'00.0"	120.48	60.65	424.41
CURVE	857151.363	2525769.314	N 82°35'41.9" E	111.22					
PCC									
PT	857165.697	2525879.603	N 83°46'22.5" E	78.52	02°21'21.1"(RT)	03°00'00.0"	78.53	39.27	1909.86
LINE									
PC	857174.214	2525957.663	N 84°57'03.0" E	86.51					
CURVE	857181.828	2526043.835	N 85°57'14.7" E	66.88	02°00'23.3"(RT)	03°00'00.0"	66.88	33.44	1909.86
PCC									
PT	857186.546	2526110.547	N 86°57'26.3" E	198.76					
LINE									
PC	857197.097	2526309.028	S 88°01'45.5" E	174.78	10°01'36.3"(RT)	05°43'46.5"	175.00	87.72	1000.00
CURVE	857191.086	2526483.701	S 77°04'13.0" E	78.72	11°53'28.8"(RT)	15°04'40.2"	78.87	39.58	380.00
PCC									
PT	857173.471	2526560.430	S 67°44'53.7" E	164.90	06°45'09.8"(RT)	04°05'33.2"	165.00	82.60	1400.00
LINE									
PC	857111.026	2526713.054	S 64°22'18.8" E	302.80					
CURVE	856980.058	2526986.061	S 64°29'54.3" E	25.30	00°15'10.9"(LT)	01°00'00.0"	25.30	12.65	5729.58
PCC									
PT	856969.164	2527008.899	S 64°37'29.7" E	583.72					
LINE									
PC	856719.015	2527536.302	S 68°35'39.1" E	114.91	07°56'18.9"(LT)	06°54'11.2"	115.00	57.59	830.00
CURVE	856677.077	2527643.284	S 83°48'31.8" E	351.02	22°29'26.5"(LT)	06°21'58.3"	353.28	178.95	900.00
PCC									
PT	856639.221	2527992.255	N 84°56'44.9" E	56.96					
LINE									
POT	856644.240	2528048.998							

Y POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	857871.440	2523437.091	S 21°54'26.7" W	139.27	17°34'19.7"(LT)	12°34'03.6"	139.82	70.46	455.90
CURVE									
PT	857742.224	2523385.127	S 13°07'16.9" W	103.30					
LINE									
POT	857641.619	2523361.676							

Y1 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	856638.129	2527847.192	S 04°05'12.1" W	72.20					
LINE									
PC	856566.111	2527842.046	S 07°19'39.7" W	25.91	06°28'55.1"(RT)	25°00'00.0"	25.93	12.98	229.18
CURVE									
PT	856540.409	2527838.741	S 10°34'07.2" W	62.95					
LINE									
POT	856478.524	2527827.195							

### NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. THE PROPOSED ALIGNMENT CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

D:\MAR2023\055\Projects\Bertie Co\ISP\_20081.4\_Weeping\_Mary\_Rd\Control\_Sheets\221005\_Revise\_Alignment & ROW - Copy\sr1128.l.s.-rw02d-2.dgn

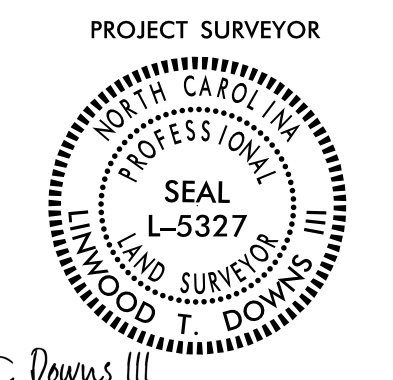






Location and Surveys

Location & Surveys  
Division 1  
1300 US 64W  
Plymouth, NC 27964



DocuSigned by:  
*Linwood T. Downs III*  
Professional Land Surveyor L-5327

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

I, Linwood T. Downs III, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 21APR2022 to 02MAY2022, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

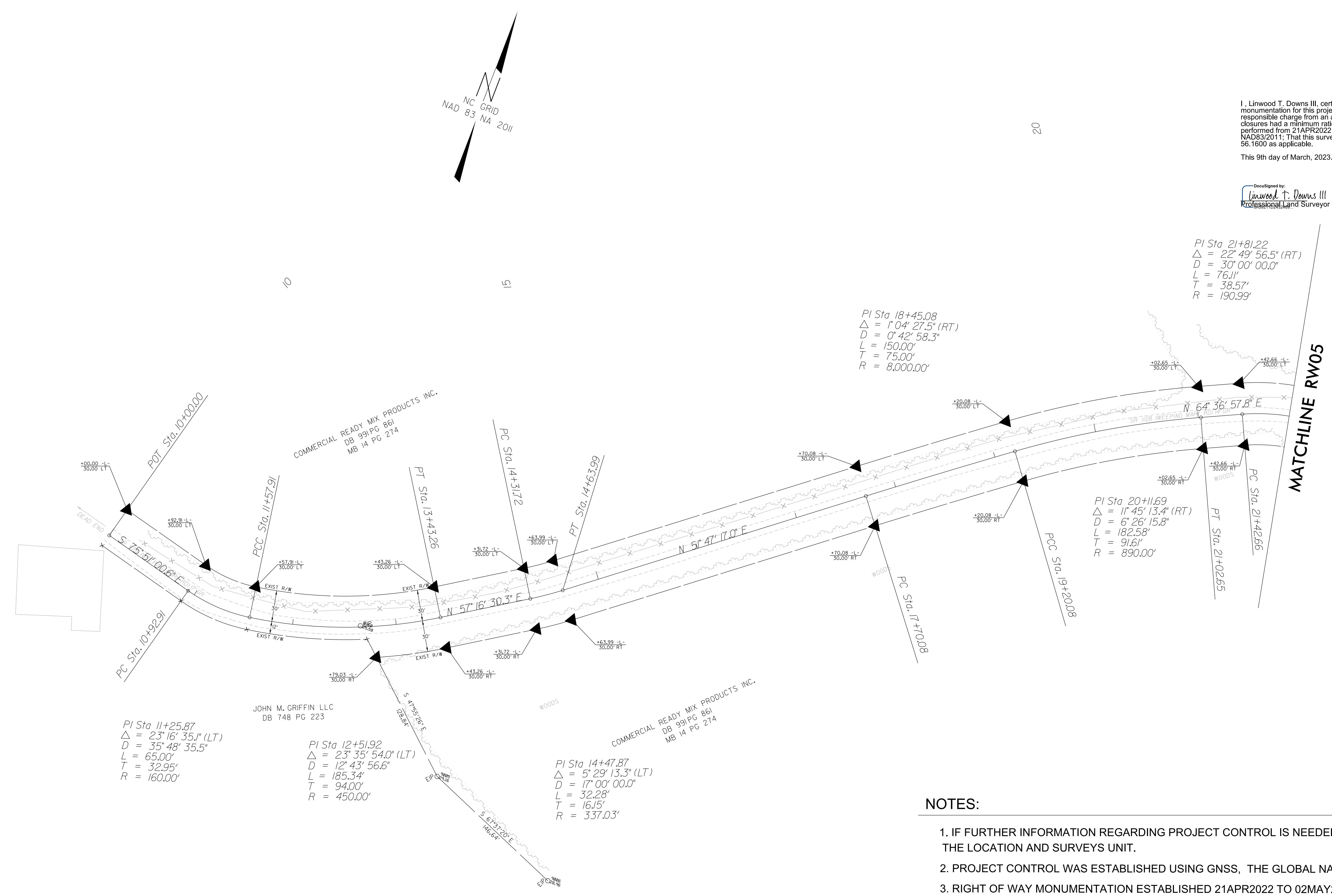
This 9th day of March, 2023.

DocuSigned by:  
*Linwood T. Downs III*  
Professional Land Surveyor L-5327



REVISIONS

D:\MAR2023\0636\proj\1\Projects\Bertie Co\ISP\20081-4\_Weeping\_Mary\_Rd\Control\_Sheets\RW and Title-Sheets\2303303\_New\_Sheets\sr1128\_1s\_rw04.dgn  
 RT: 15:00:00  
 L: 15:30:21  
 T: downs



NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 21APR2022 TO 02MAY2022.

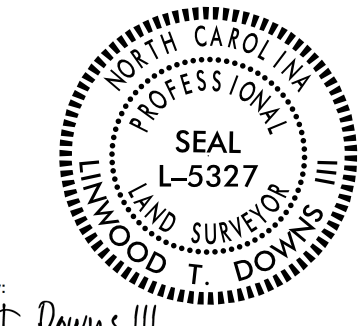




Location and Surveys

Location & Surveys  
Division 1  
1300 US 64W  
Plymouth, NC 27964

PROJECT SURVEYOR



DocuSigned by:  
Linwood T. Downs III  
Professional Land Surveyor L-5327

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

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This 9th day of March, 2023.

DocuSigned by:  
Linwood T. Downs III  
Professional Land Surveyor L-5327

COMMERCIAL READY MIX PRODUCTS INC.  
DB 991 PG 861  
MB 14 PG 274

PI Sta 48+49.11  
Δ = 33° 46' 42.5" (RT)  
D = 95° 29' 34.7"  
L = 35.37'  
T = 18.22'  
R = 60.00'

PI Sta 47+41.17  
Δ = 13° 29' 34.5" (RT)  
D = 22° 00' 00.0"  
L = 61.33'  
T = 30.81'  
R = 260.44'

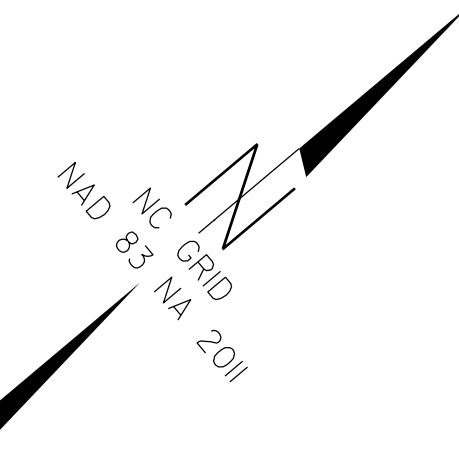
PI Sta 49+47.8  
Δ = 28° 38' 52.4" (RT)  
D = 30° 09' 20.4"  
L = 95.00'  
T = 48.51'  
R = 190.00'

PI Sta 45+137.45  
Δ = 5° 02' 00.0" (RT)  
D = 40° 55'  
T = 1.4592'

PI Sta 43+162.53  
Δ = 5° 00' 00.0" (RT)  
D = 48.10'  
R = 1909.86'

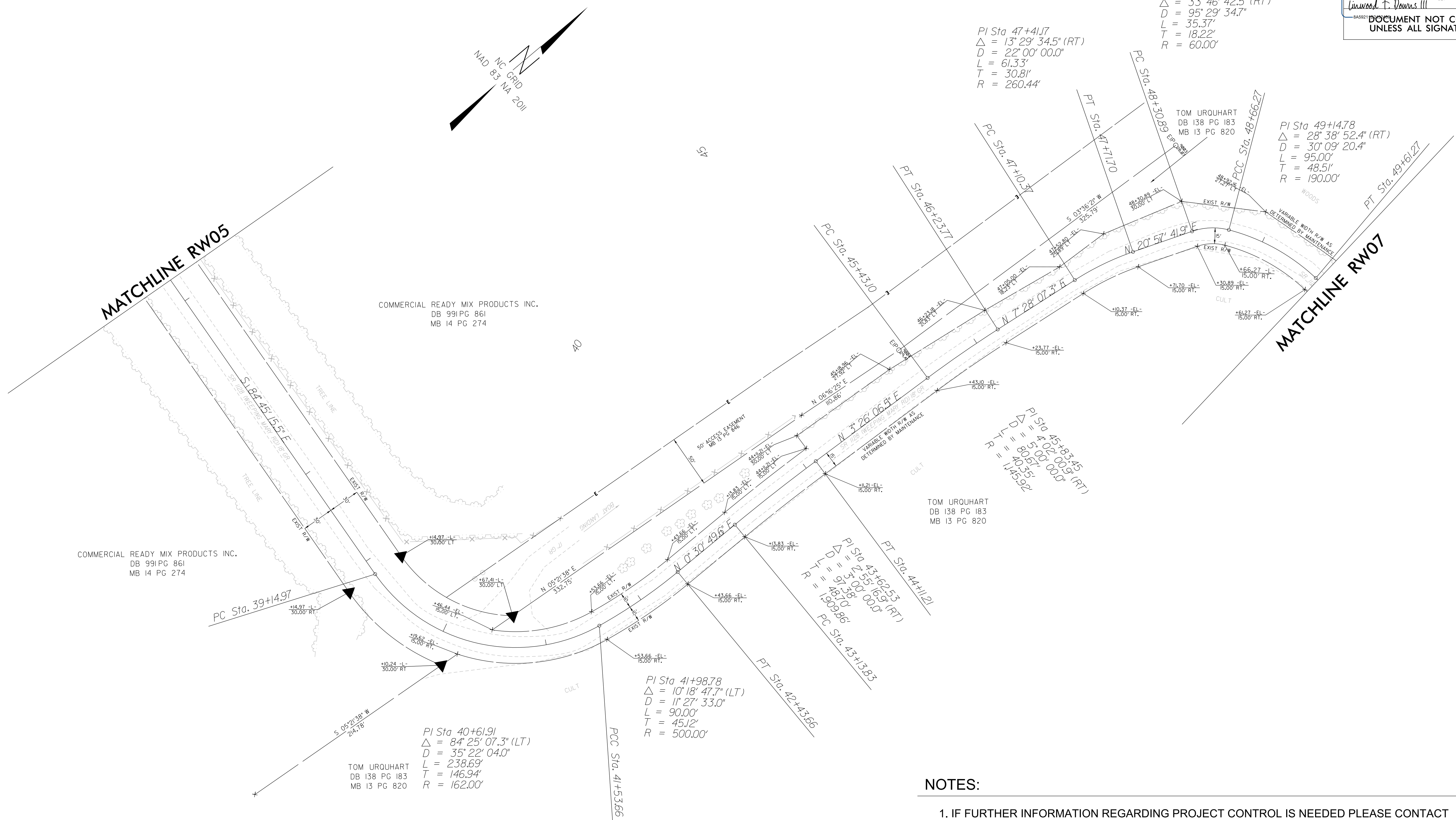
PI Sta 41+98.78  
Δ = 10° 18' 47.7" (LT)  
D = 11° 27' 33.0"  
L = 90.00'  
T = 45.12'  
R = 500.00'

PI Sta 40+61.91  
Δ = 84° 25' 07.3" (LT)  
D = 35° 22' 04.0"  
L = 238.69'  
T = 146.94'  
R = 162.00'



MATCHLINE RW05

MATCHLINE RW07



NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 21APR2022 TO 02MAY2022.

REVISIONS

P:\MAR2023\0640\RT\1000\1001\Projects\Bertie Co\ISP\20081.4\_Weeping\_Mary\_Rd\Control\_Sheets\RW and Title-Sheets\2303303\_New\_Sheets\sr1128\_1s.rw06.dgn  
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 L.T.D.

Location and Surveys

Location & Surveys  
 Division 1  
 1300 US 64W  
 Plymouth, NC 27964

PROJECT SURVEYOR



DocuSigned by:  
 Linwood T. Downs III  
 SA5892

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

I, Linwood T. Downs III, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 21APR2022 to 02MAY2022, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 9th day of March, 2023.

DocuSigned by:  
 Linwood T. Downs III  
 Professional Land Surveyor L-5327



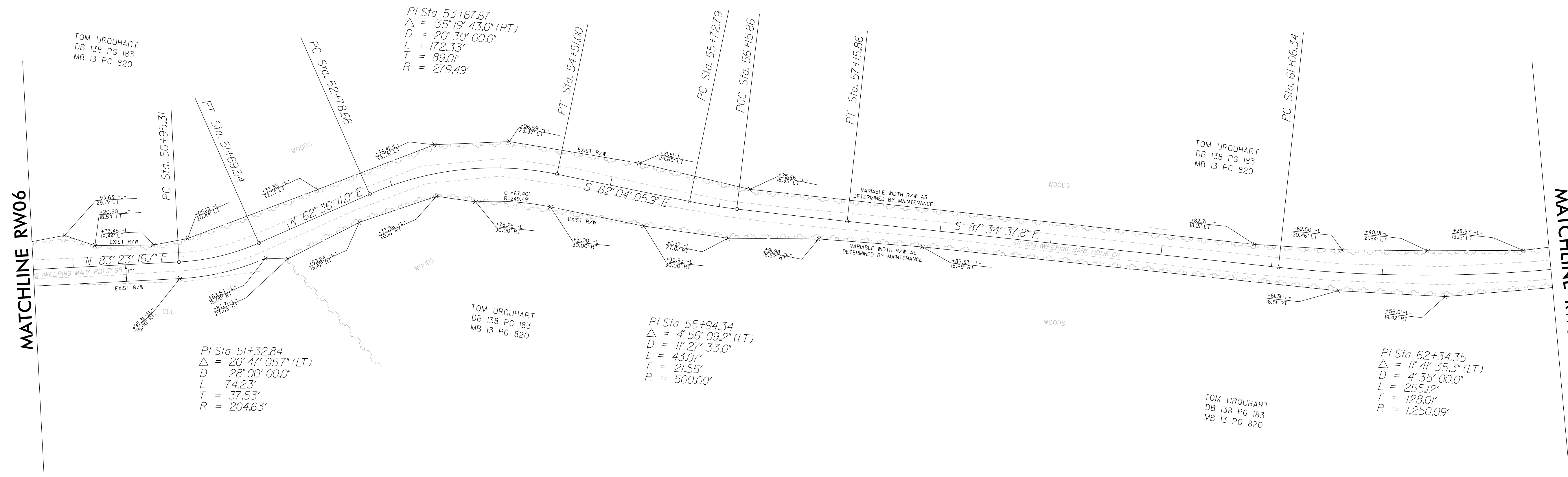
PI Sta 56+65.87  
 $\Delta = 0^{\circ} 34' 22.6''$  (LT)  
 $D = 0^{\circ} 34' 22.6''$   
 $L = 100.00'$   
 $T = 50.00'$   
 $R = 10,000.00'$

PI Sta 53+67.67  
 $\Delta = 35^{\circ} 19' 43.0''$  (RT)  
 $D = 20^{\circ} 30' 00.0''$   
 $L = 172.33'$   
 $T = 89.01'$   
 $R = 279.49'$

PI Sta 51+32.84  
 $\Delta = 20^{\circ} 47' 05.7''$  (LT)  
 $D = 28^{\circ} 00' 00.0''$   
 $L = 74.23'$   
 $T = 37.53'$   
 $R = 204.63'$

PI Sta 55+94.34  
 $\Delta = 4^{\circ} 56' 09.2''$  (LT)  
 $D = 11^{\circ} 27' 33.0''$   
 $L = 43.07'$   
 $T = 21.55'$   
 $R = 500.00'$

PI Sta 62+34.35  
 $\Delta = 11^{\circ} 41' 35.3''$  (LT)  
 $D = 4^{\circ} 35' 00.0''$   
 $L = 255.12'$   
 $T = 128.01'$   
 $R = 1,250.09'$



MATCHLINE RW06

MATCHLINE RW08

REVISIONS

R:\MAR2023\015\stoc1\_P\Projects\Bertie Co\ISP\_20081.4\_Weeping\_Mary\_Rd\Control\_Sheets\RW and Title-Sheets\230309\_Nex\_Sheets\sr1128\_Ls\_rw07.dgn  
 6/2/199  
 L.t.downs

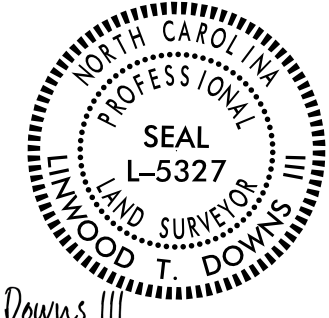
NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 21APR2022 TO 02MAY2022.







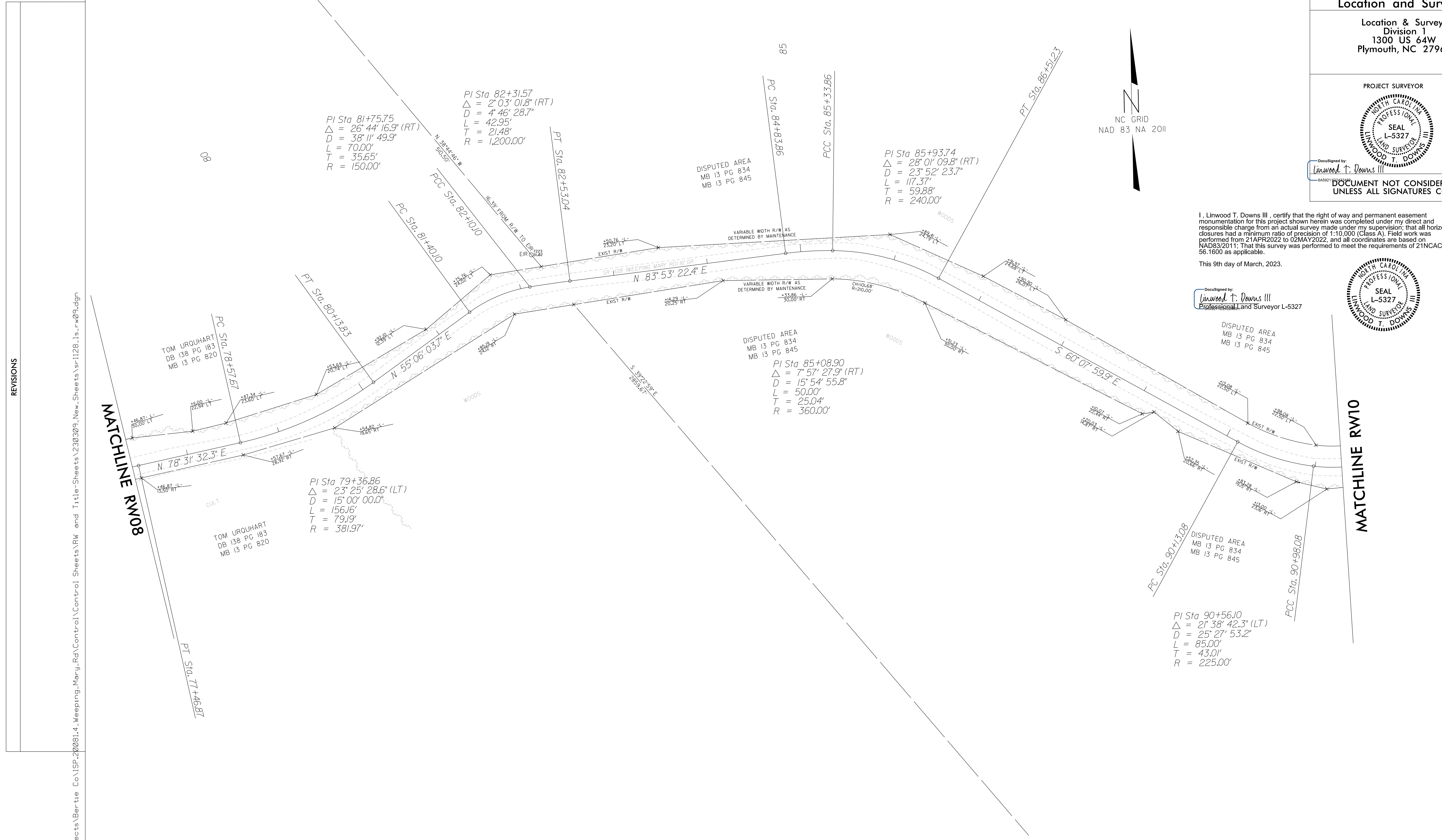
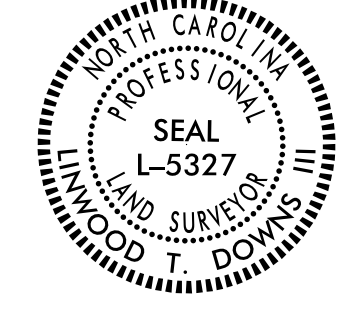
PROJECT REFERENCE NO.	SHEET NO.
SR-1128	RW09
<b>Location and Surveys</b>	
Location & Surveys Division 1 1300 US 64W Plymouth, NC 27964	
PROJECT SURVEYOR	
	
Documented by: Linwood T. Downs III	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	



I, Linwood T. Downs III, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 21APR2022 to 02MAY2022, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 9th day of March, 2023.

Documented by:  
 Linwood T. Downs III  
 Professional Land Surveyor L-5327



REVISIONS

R:\B\1\0621\0503\Projects\Bertie Co\ISP\20081.4\_Weeping\_Mary\_Rd\Control\_Sheets\RM and Title-Sheets\230309\_New\_Sheets\sr1128\_1s\_rw09.dgn  
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**NOTES:**

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 21APR2022 TO 02MAY2022.

















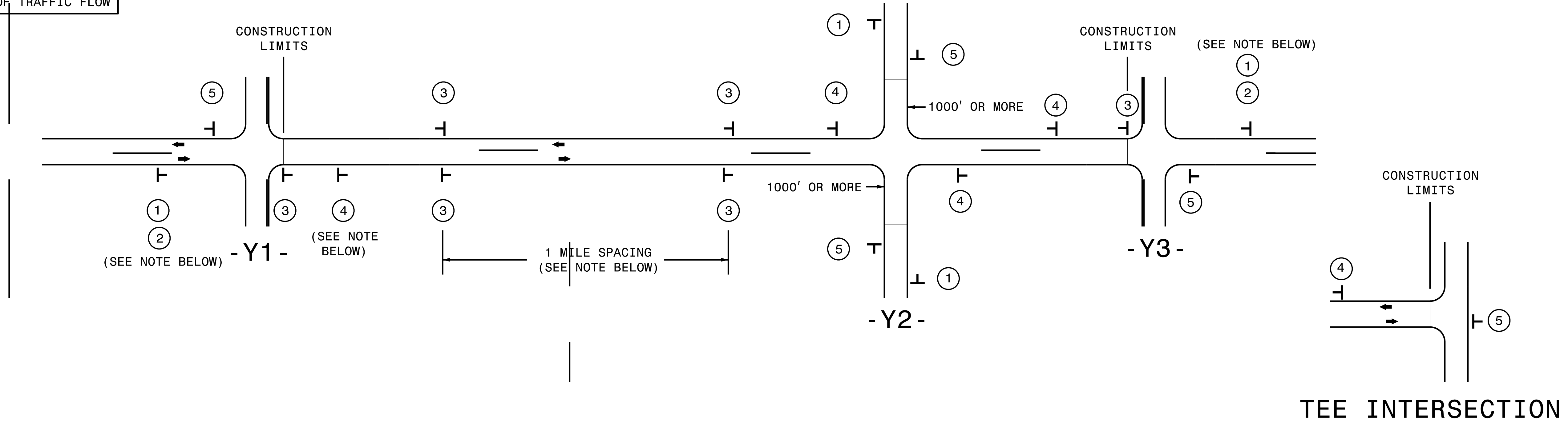










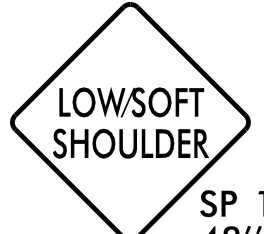

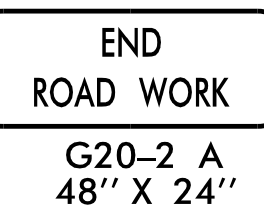
# SIGNING FOR RESURFACING PROJECTS

**LEGEND**  
 STATIONARY SIGN  
 DIRECTION OF TRAFFIC FLOW



## MAINLINE (-L-) SIGNING

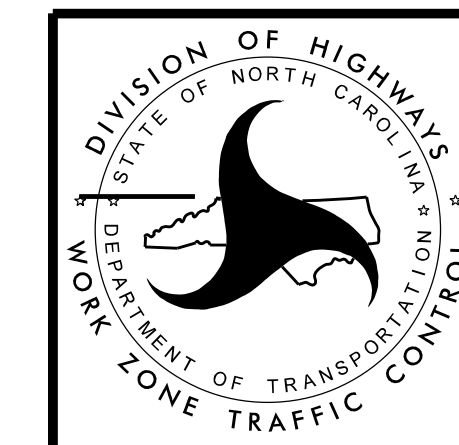
## -Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	①		PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> <li>LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>SUBDIVISION ROADS</li> <li>DEAD END ROADS</li> </ol> <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">   <small>W20-1 48" X 48"</small>              PLACED 500' IN ADVANCE OF FLAGGER.         </div> <div style="text-align: center;">   <small>W20-7 A 48" X 48"</small>              PLACED 250' IN ADVANCE OF FLAGGER.         </div> </div>
	②		#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)	
	③		<ul style="list-style-type: none"> <li>PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.</li> <li>AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.</li> </ul>	
	④		<ul style="list-style-type: none"> <li>THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.</li> <li>INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.</li> <li>FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH.</li> <li>A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</li> <li>FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.</li> </ul>	
	⑤		PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	

THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

**MAPS LESS THAN 2 MILES**

FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNING SIGNS.



**ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING**

\$\$\$\$\$SYTIME\$\$\$\$\$  
 \$\$\$DDGN\$\$\$\$\$  
 \$\$\$USERNAM\$\$\$\$\$

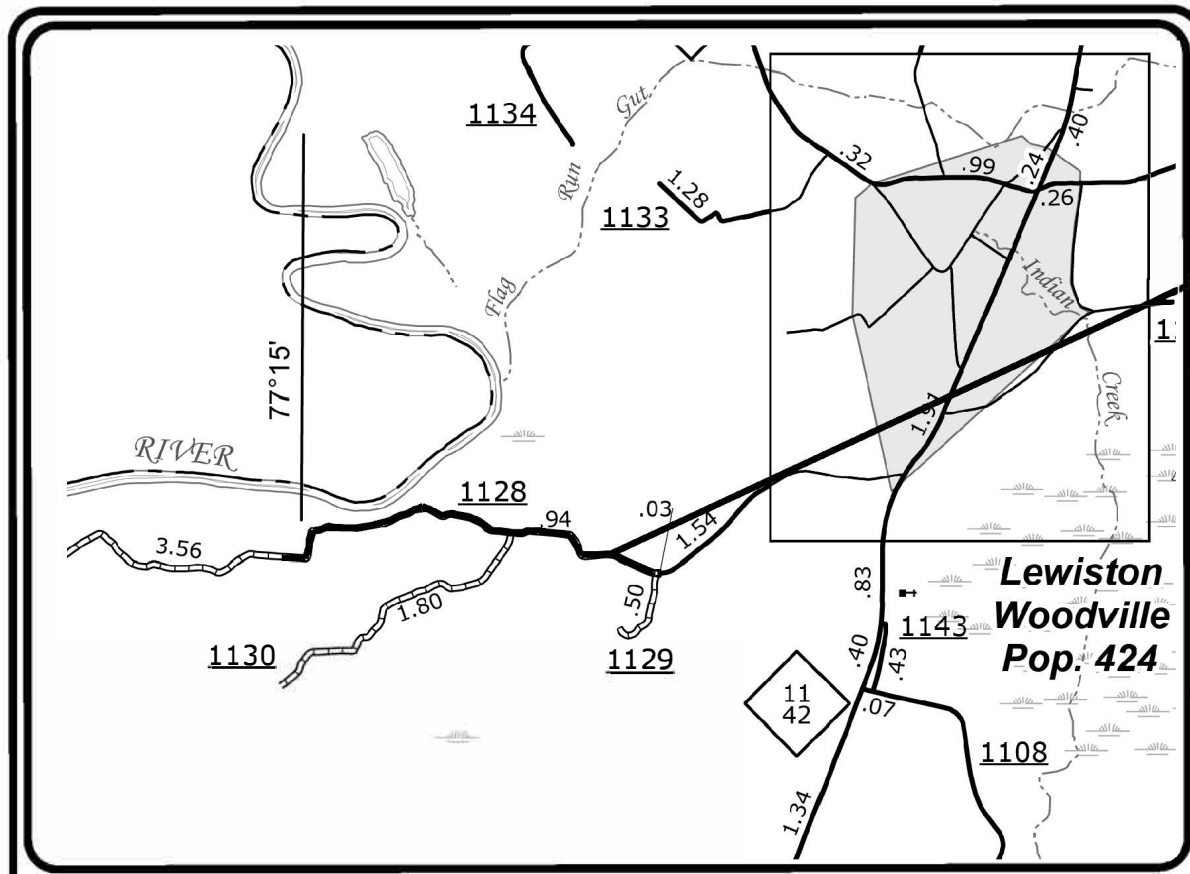
See Sheet 1A For Index of Sheets

# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

## PLAN FOR PROPOSED HIGHWAY EROSION CONTROL

LOCATION: *SR 1128 (WEEPING MARY RD) FROM SR 1129  
TO SAND PIT ENTRANCE IN BERTIE COUNTY*

TYPE OF WORK: *CONDITIONING EXISTING BASE*



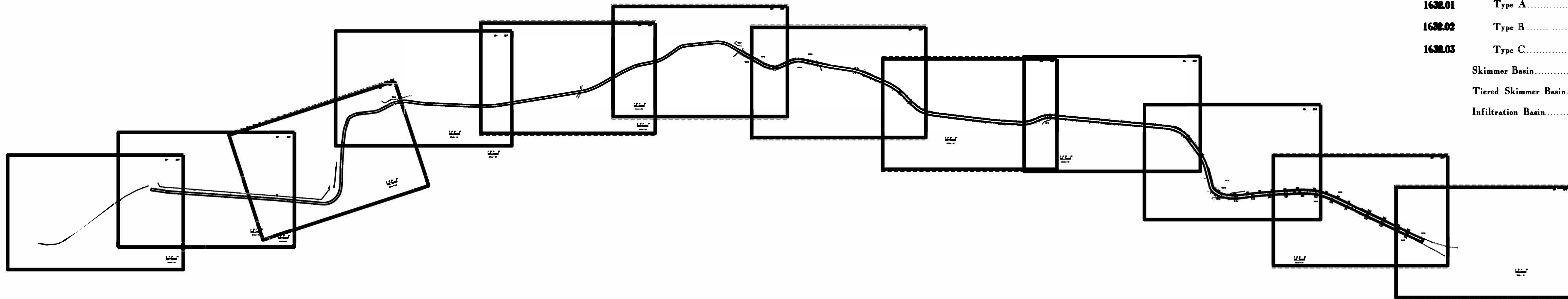
**VICINITY MAP**  
NOT TO SCALE

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	80111	EC-1	16
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	

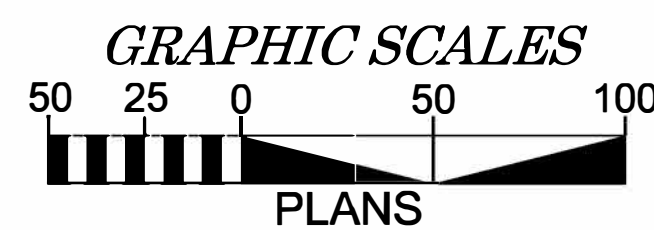
### EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	
1630.05	Temporary Diversion	
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.02	Silt Basin Type B	
1638.01	Temporary Rock Silt Check Type-A	
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	
1633.02	Temporary Rock Silt Check Type-B	
	Wattle / Coir Fiber Wattle	
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	
1634.01	Temporary Rock Sediment Dam Type-A	
1634.02	Temporary Rock Sediment Dam Type-B	
1635.01	Rock Pipe Inlet Sediment Trap Type-A	
1635.02	Rock Pipe Inlet Sediment Trap Type-B	
1630.04	Stilling Basin	
1630.06	Special Stilling Basin	
	Rock Inlet Sediment Trap:	
1638.01	Type A	
1638.02	Type B	
1638.03	Type C	
	Skimmer Basin	
	Tiered Skimmer Basin	
	Infiltration Basin	

TIP PROJECT: 80111



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



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE APRIL 1, 2019 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER RESOURCES.

Prepared in the Office of:  
**ROADSIDE ENVIRONMENTAL UNIT**  
1 South Wilmington St.  
Raleigh, NC 27611

**2018 STANDARD SPECIFICATIONS**

Designed by:  
**RYAN SHOOK** 3680  
NAME LEVEL III CERTIFICATION NO.

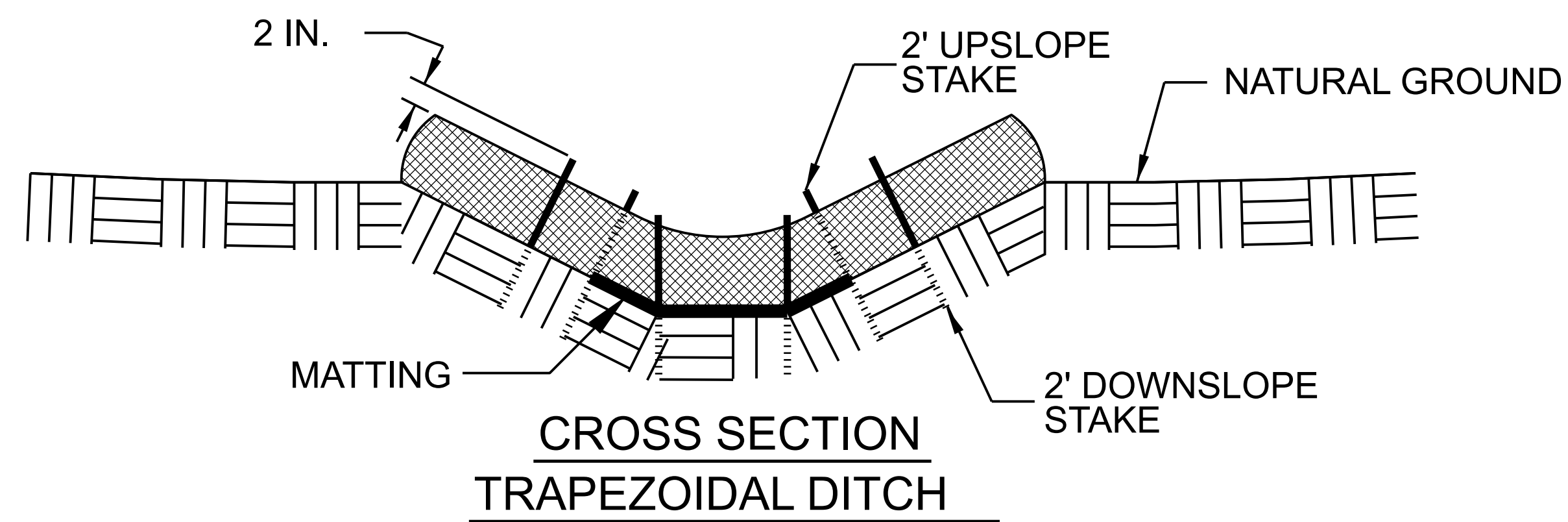
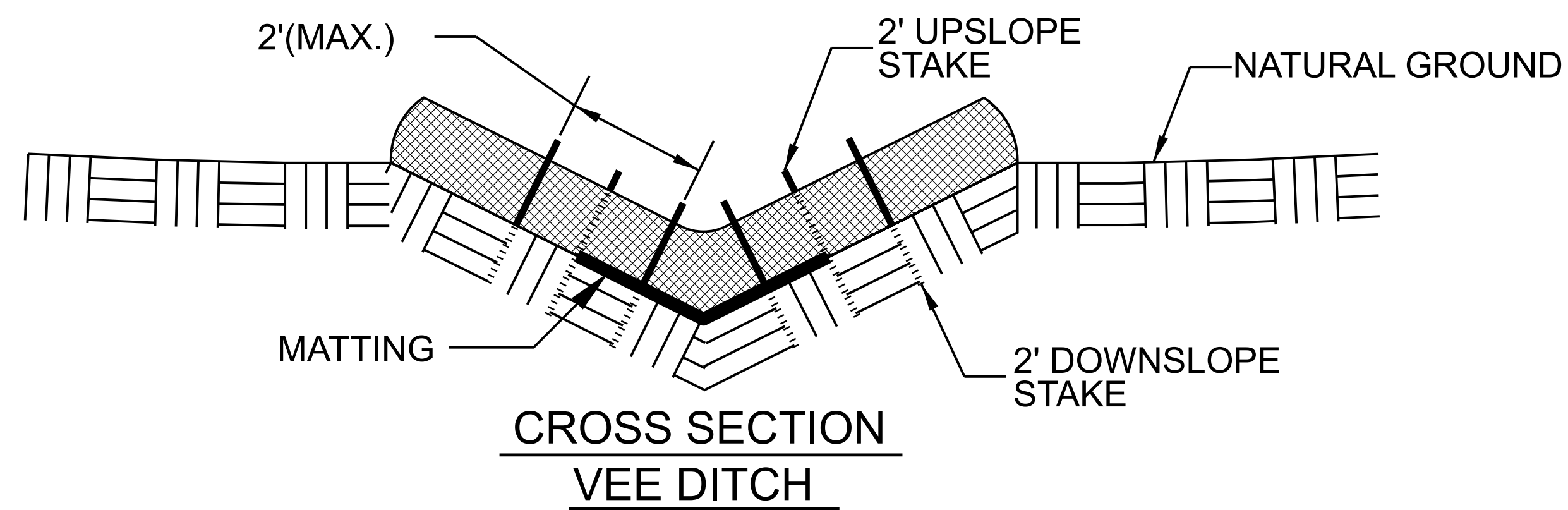
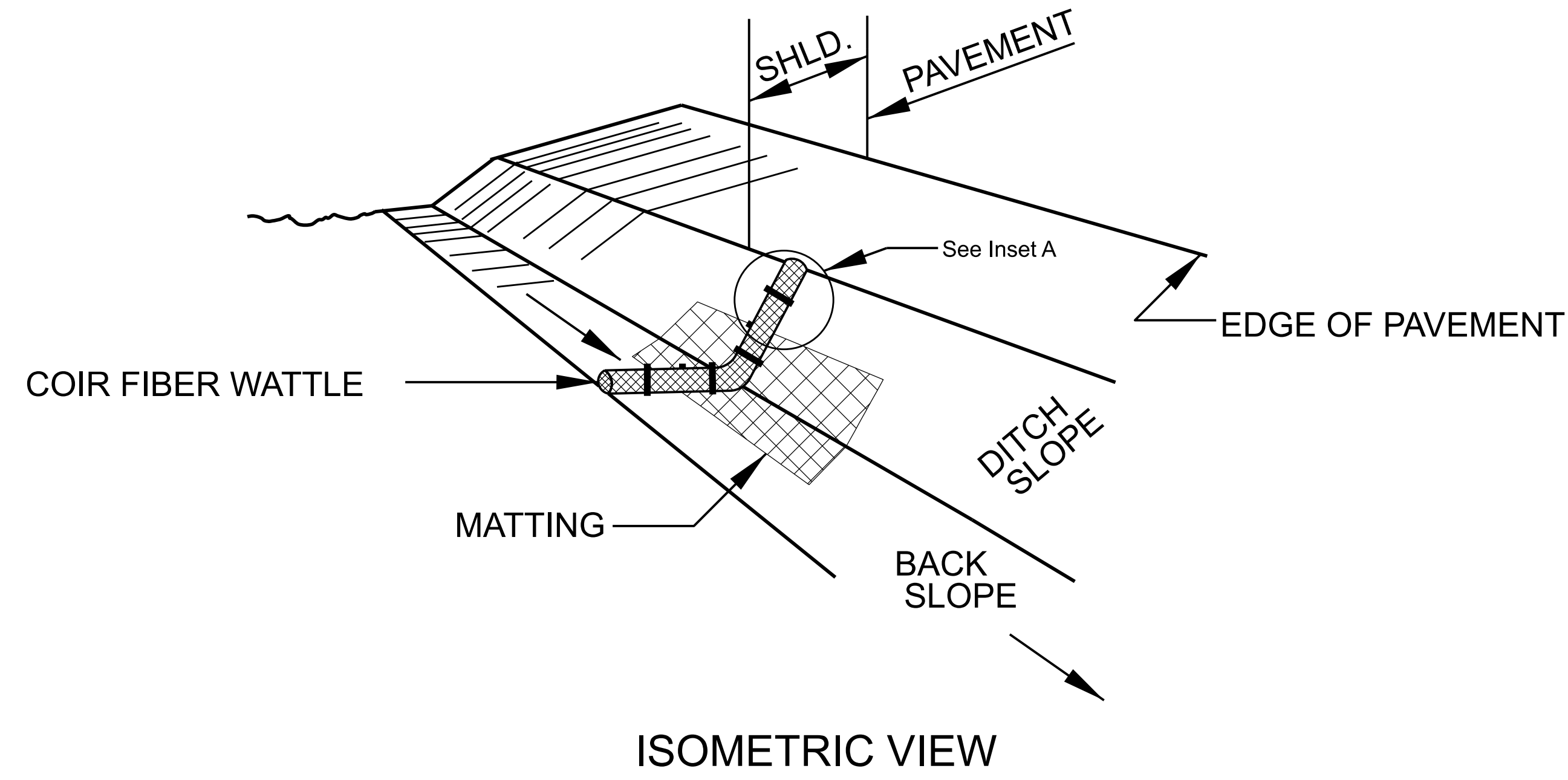
Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2018 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01 Railroad Erosion Control Detail	1632.01 Rock Inlet Sediment Trap Type A
1605.01 Temporary Silt Fence	1632.02 Rock Inlet Sediment Trap Type B
1606.01 Special Sediment Control Fence	1632.03 Rock Inlet Sediment Trap Type C
1607.01 Gravel Construction Entrance	1633.01 Temporary Rock Silt Check Type A
1622.01 Temporary Berms and Slope Drains	1633.02 Temporary Rock Silt Check Type B
1630.01 Riser Basin	1634.01 Temporary Rock Sediment Dam Type A
1630.02 Silt Basin Type B	1634.02 Temporary Rock Sediment Dam Type B
1630.03 Temporary Silt Ditch	1635.01 Rock Pipe Inlet Sediment Trap Type A
1630.04 Stilling Basin	1635.02 Rock Pipe Inlet Sediment Trap Type B
1630.05 Temporary Diversion	1640.01 Coir Fiber Baffle
1630.06 Special Stilling Basin	1645.01 Temporary Stream Crossing
1631.01 Matting Installation	

PROJECT REFERENCE NO.	SHEET NO.
80111	EC-2B
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# COIR FIBER WATTLE DETAIL



NOTES:

USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

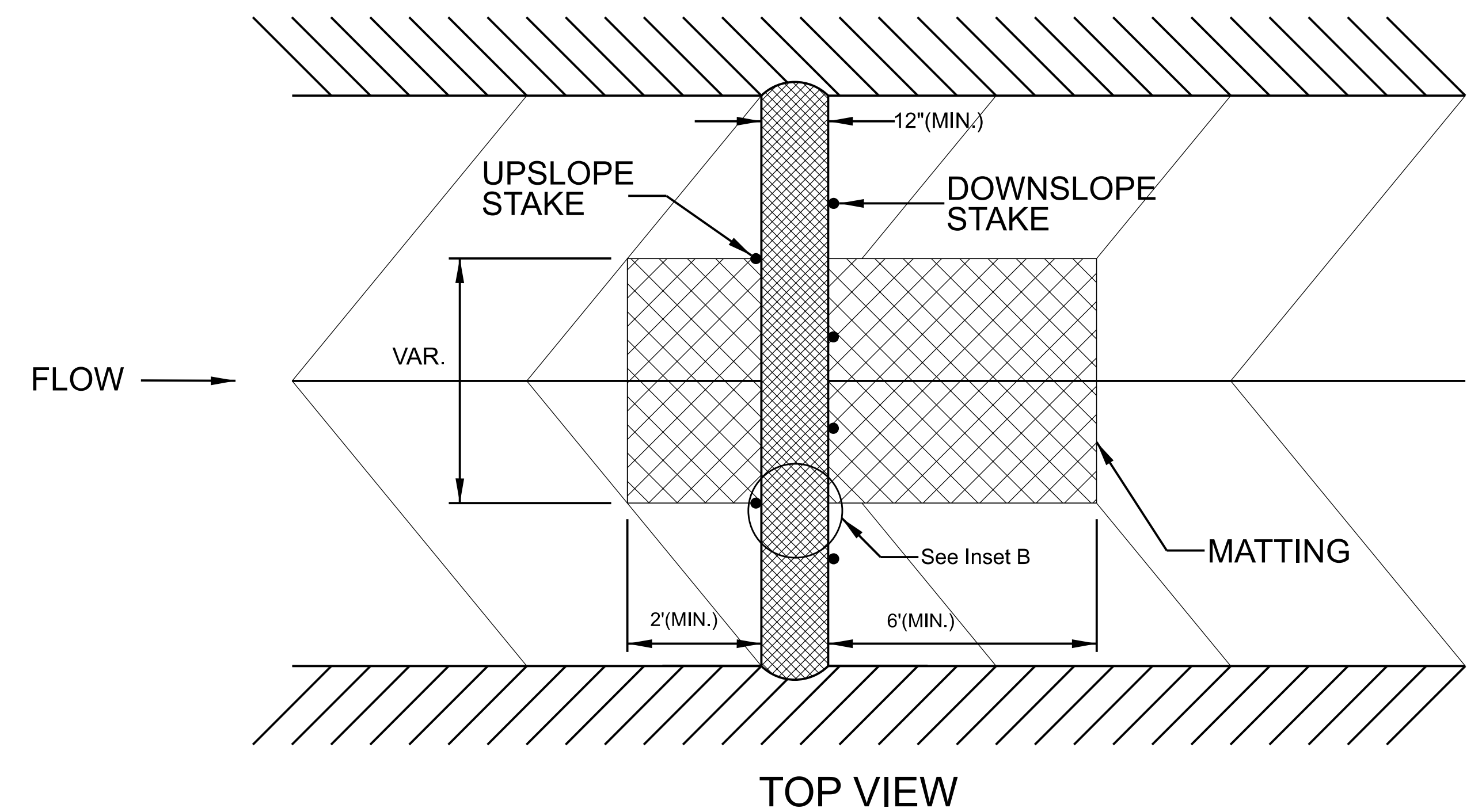
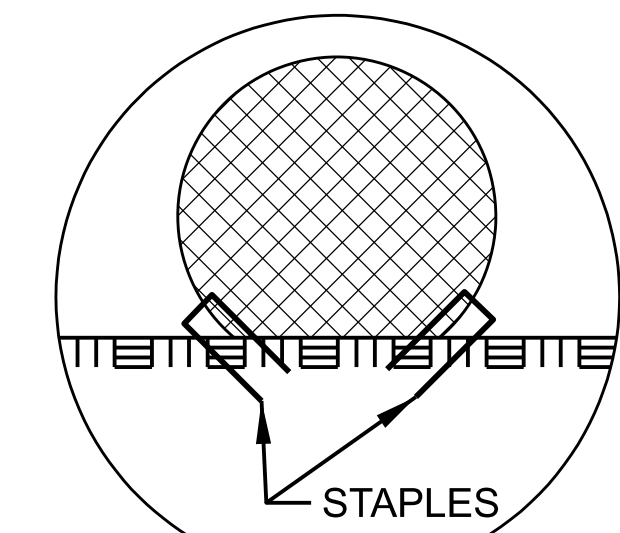
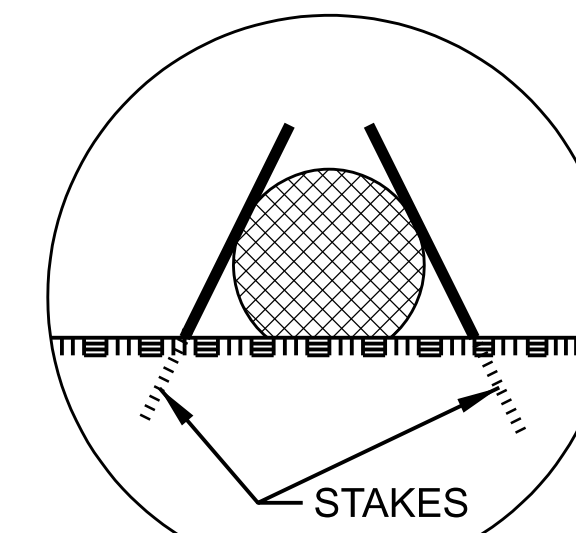
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.





DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

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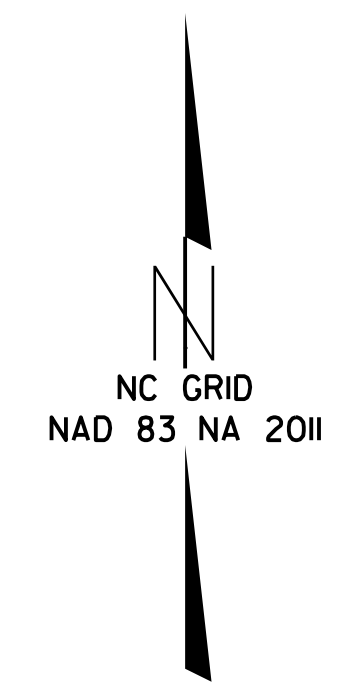
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## ***SOIL STABILIZATION TIMEFRAMES***

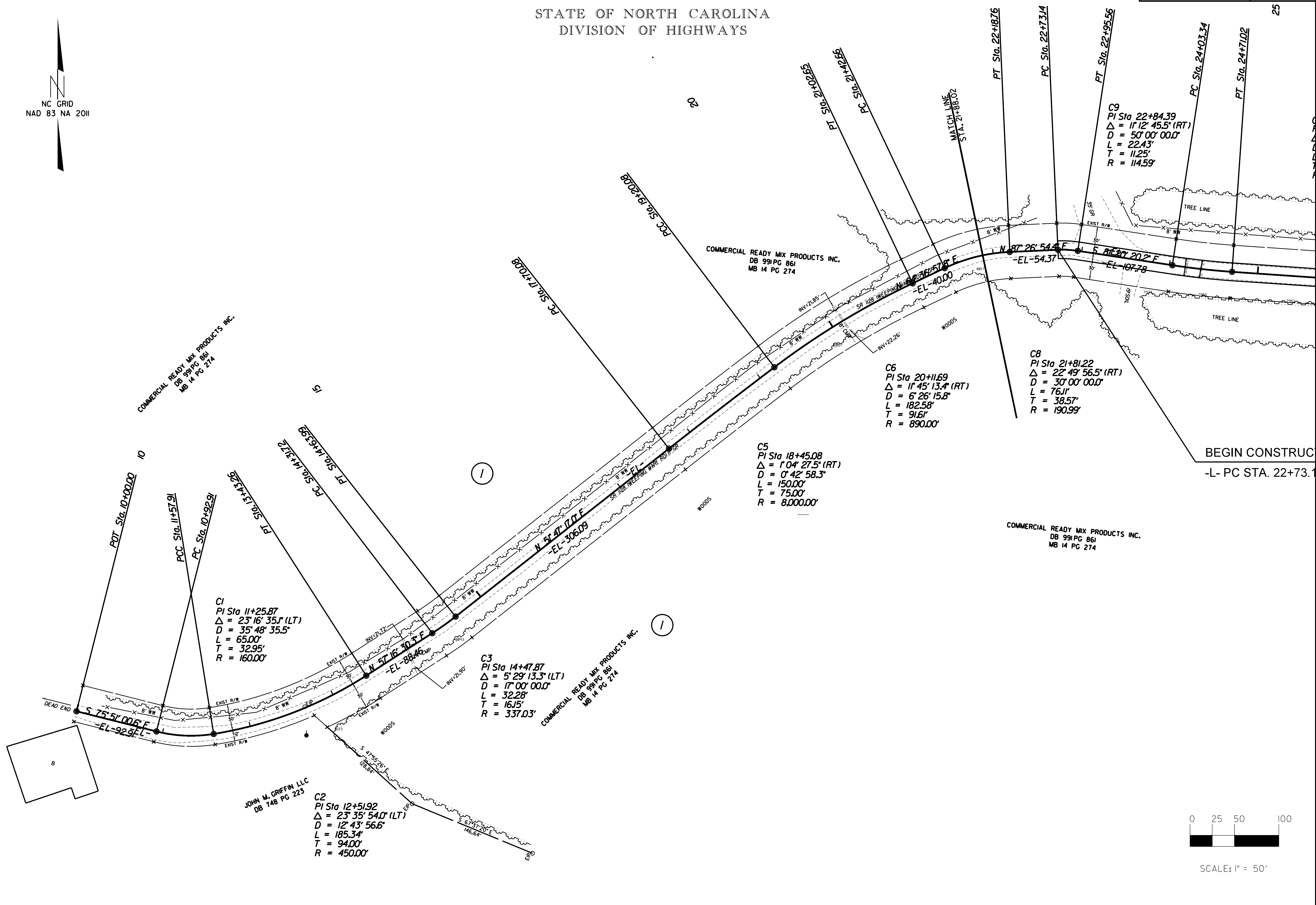
<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

5/28/99

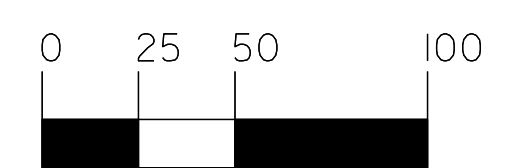
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS



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BEGIN CONSTRUCT  
-L- PC STA. 22+73.1

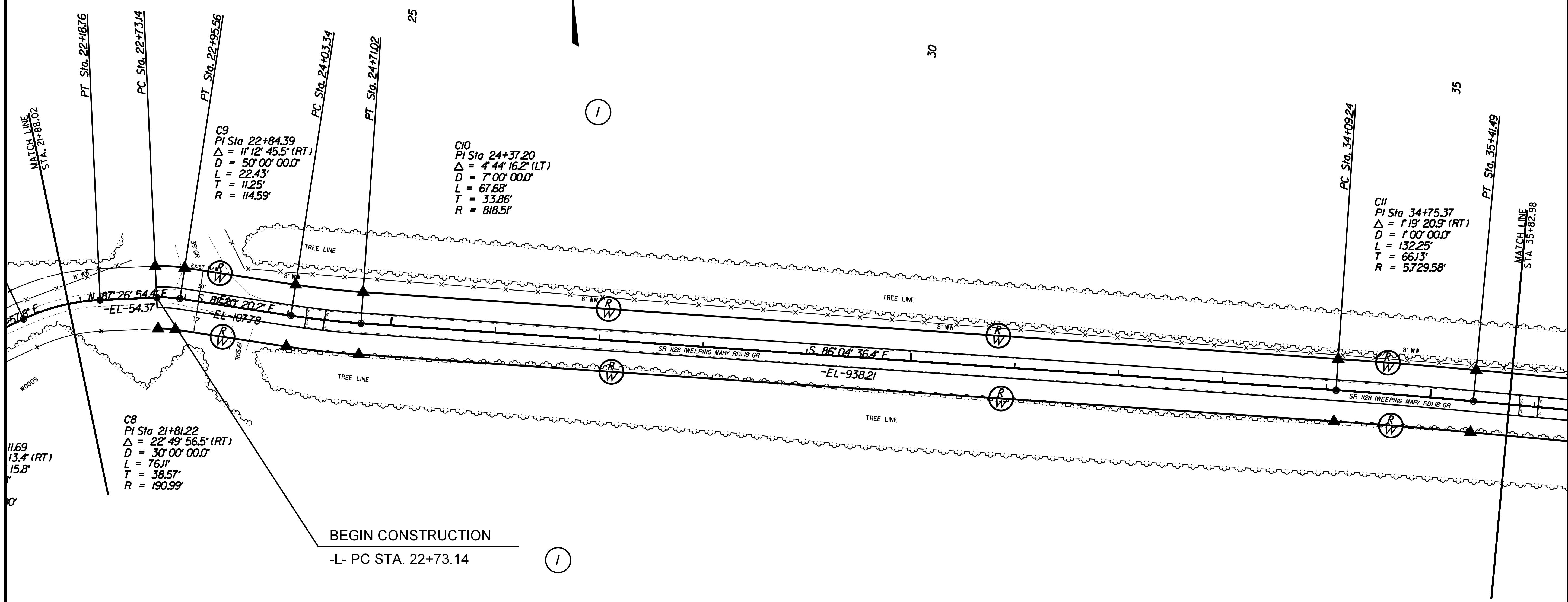
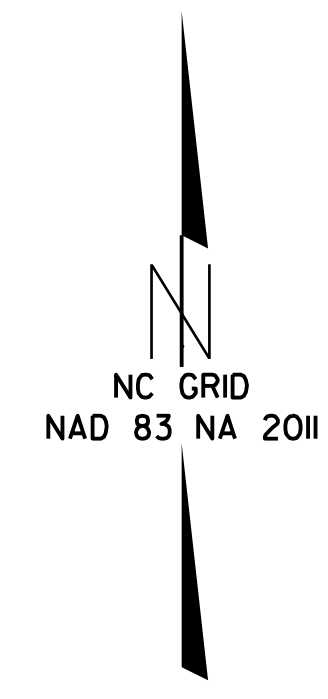


SCALE: 1" = 50'

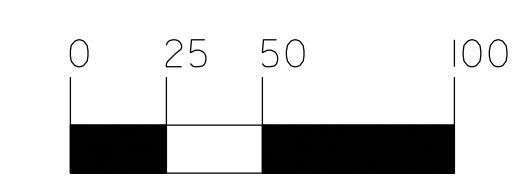
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

60' R/W PER MB 114 PG 274

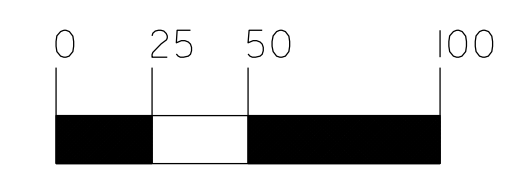
COMMERCIAL READY MIX PRODUCTS INC.  
DB 991 PG 861  
MB 14 PG 274



COMMERCIAL READY MIX PRODUCTS INC.  
DB 991 PG 861  
MB 14 PG 274



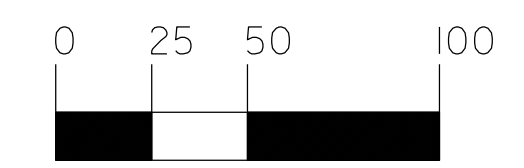
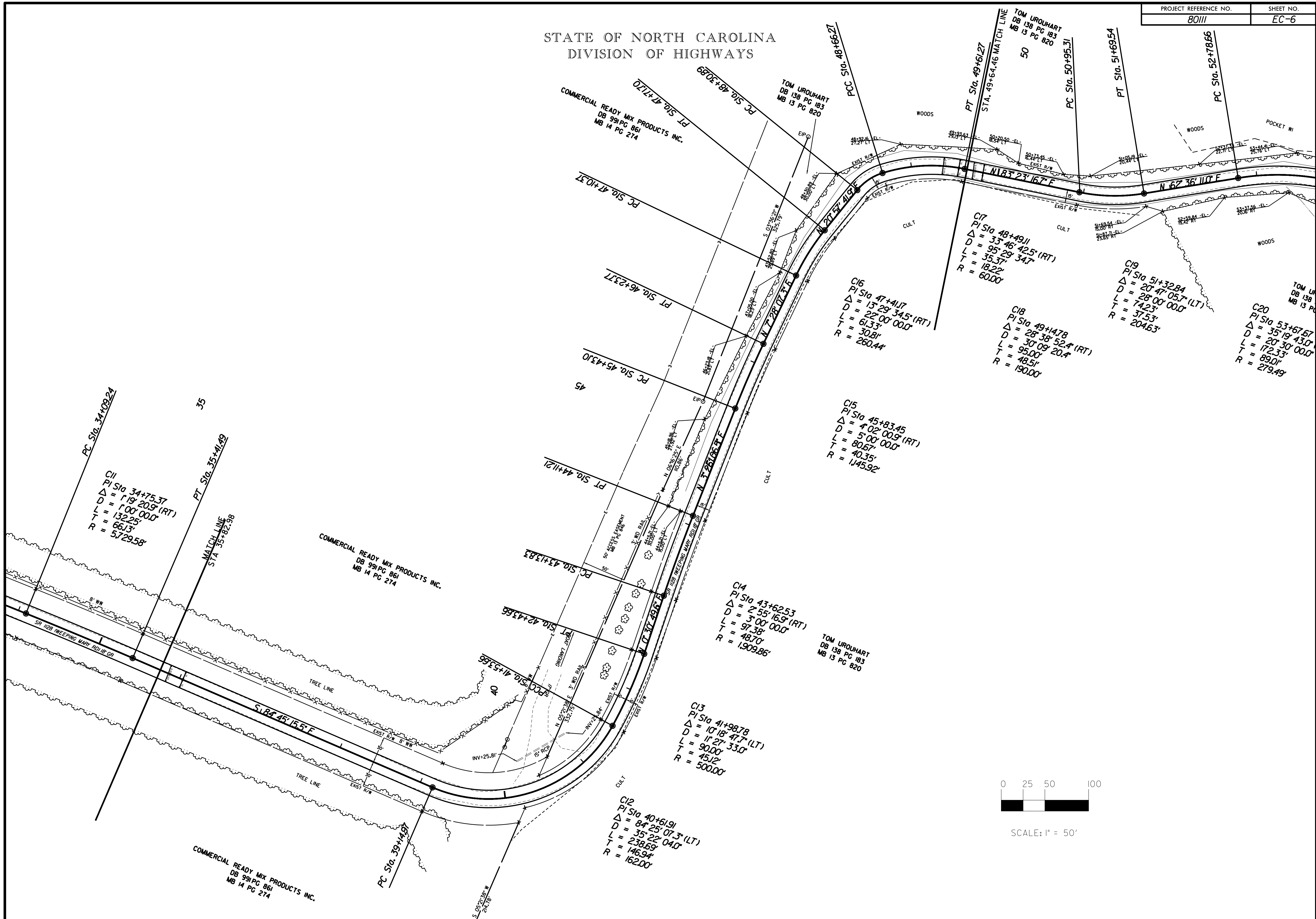
SCALE: 1" = 50'



SCALE: 1" = 50'



STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

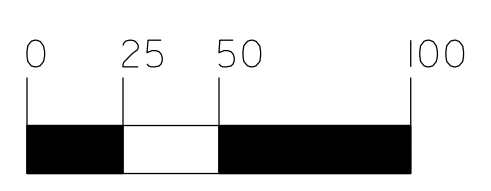
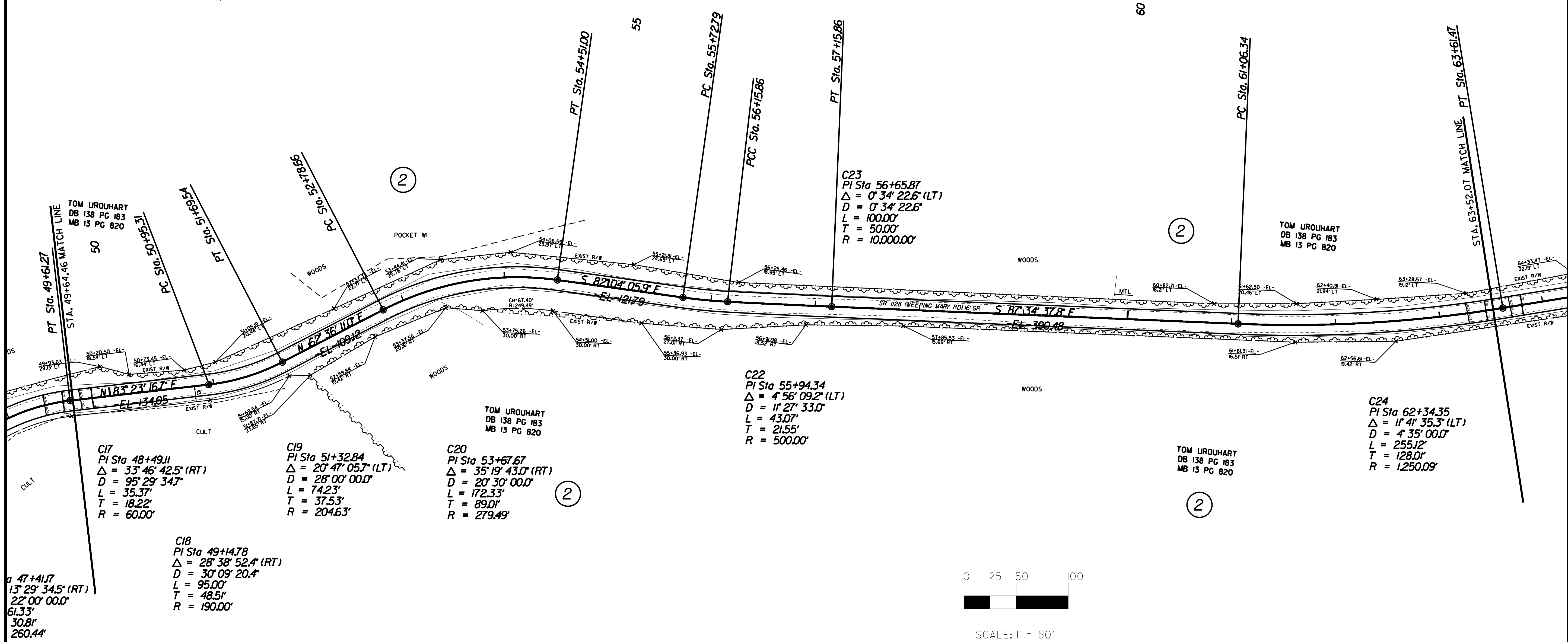


SCALE: 1" = 50'

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS



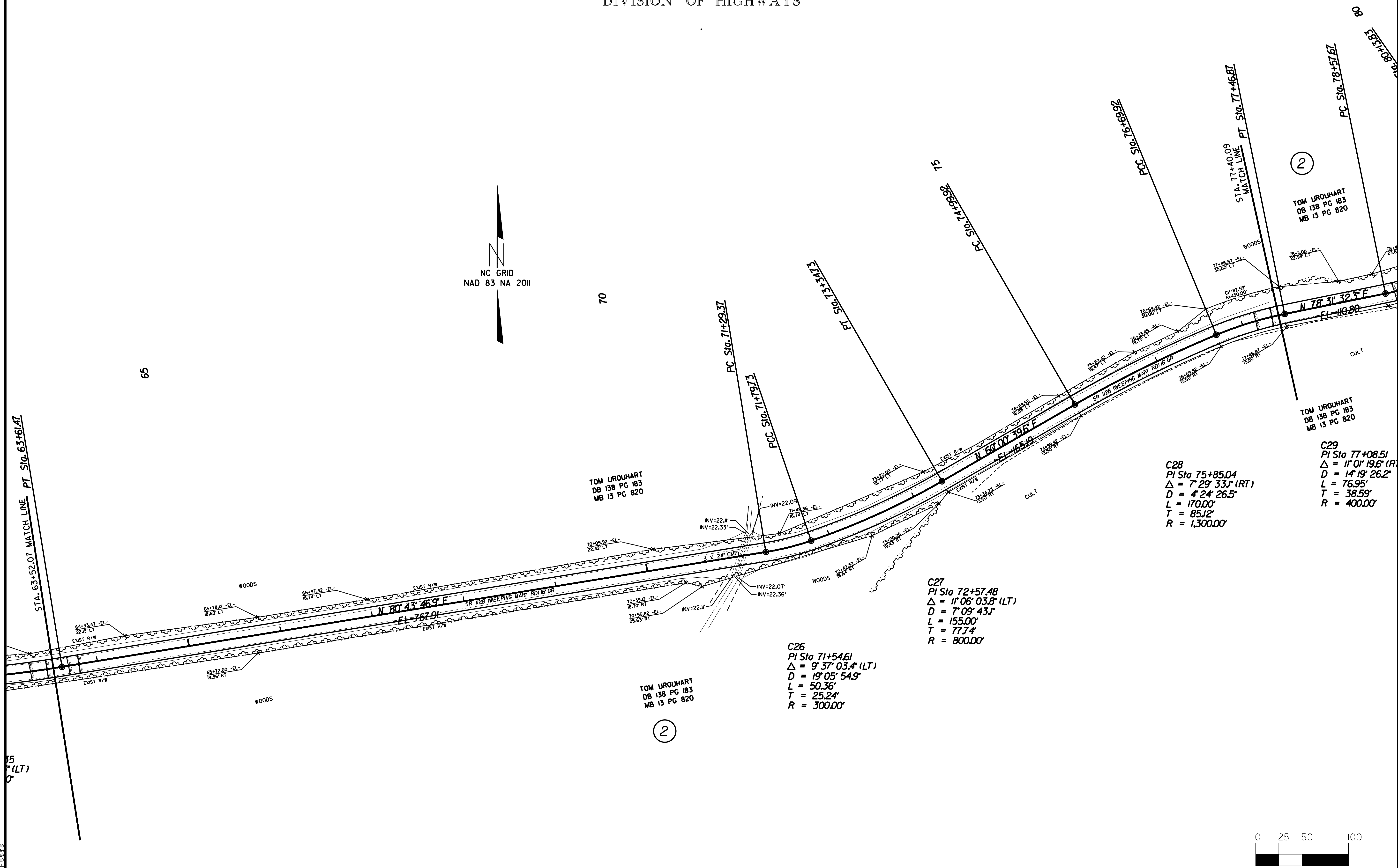
5/28/99



SCALE: 1" = 50'

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

5/28/99



TOM UROUHART  
DB 138 PG 183  
MB 13 PG 820

TOM UROUHART  
DB 138 PG 183  
MB 13 PG 820

TOM UROUHART  
DB 138 PG 183  
MB 13 PG 820

C28  
PI Sta 75+85.04  
Δ = 7° 29' 33" (RT)  
D = 4' 24' 26.5"  
L = 170.00'  
T = 85.2'  
R = 1,300.00'

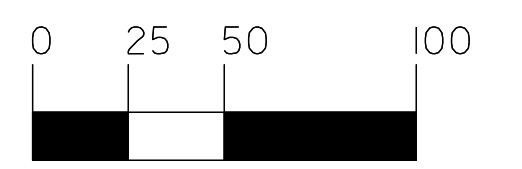
C27  
PI Sta 72+57.48  
Δ = 11° 06' 03.8" (LT)  
D = 7° 09' 43"  
L = 155.00'  
T = 77.74'  
R = 800.00'

C26  
PI Sta 71+54.61  
Δ = 9° 37' 03.4" (LT)  
D = 19° 05' 54.9"  
L = 50.36'  
T = 25.24'  
R = 300.00'

C29  
PI Sta 77+08.51  
Δ = 11° 01' 19.6" (RT)  
D = 14° 19' 26.2"  
L = 76.95'  
T = 38.59'  
R = 400.00'

TOM UROUHART  
DB 138 PG 183  
MB 13 PG 820

2



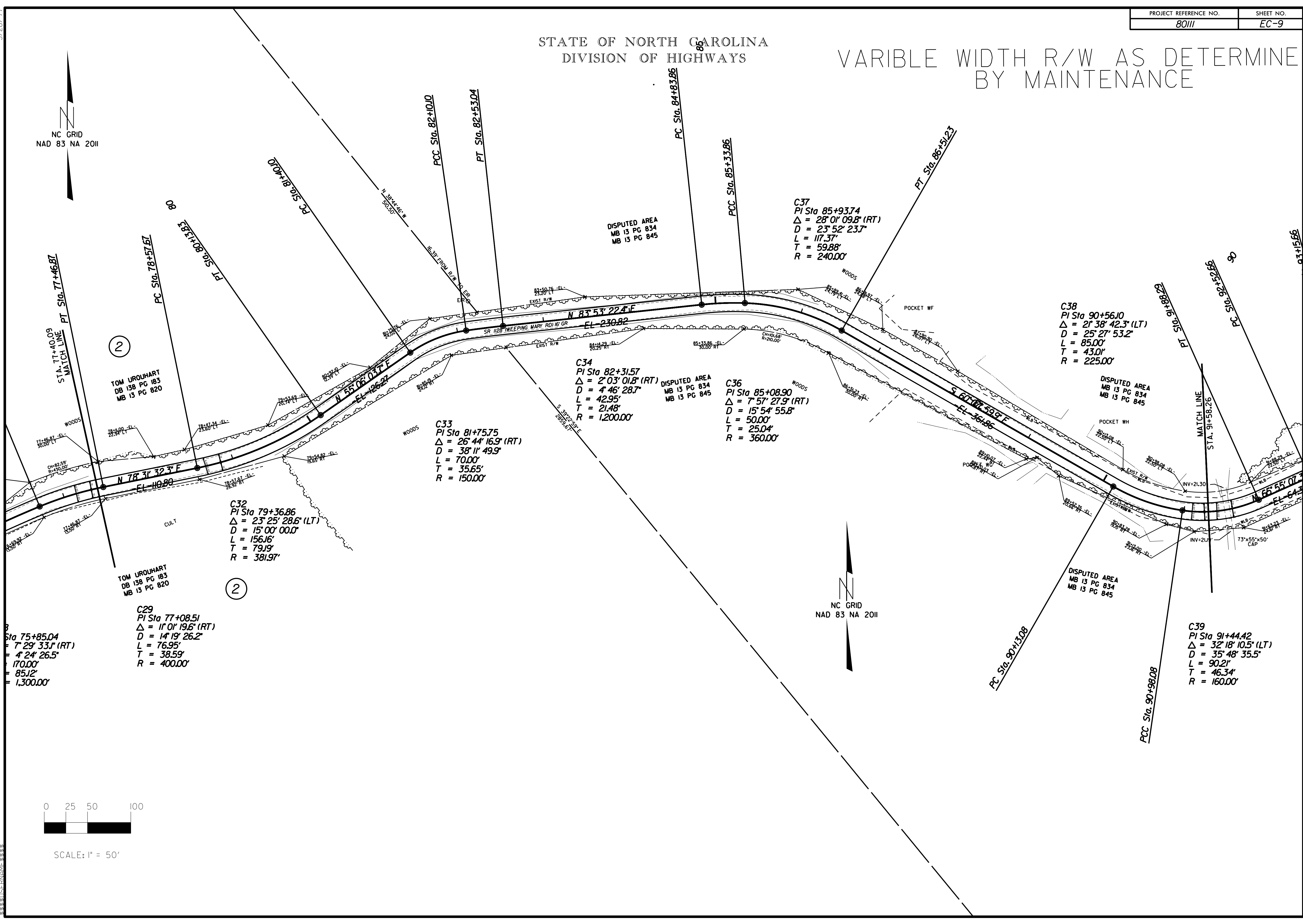
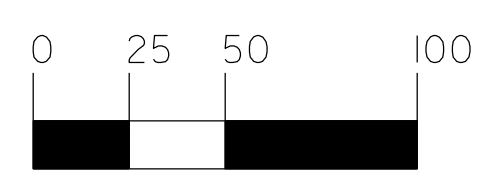
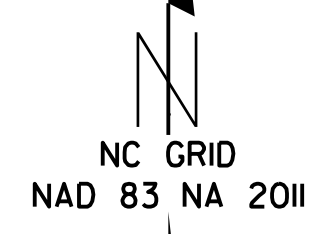
SCALE: 1" = 50'

75  
0' (LT)



STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

VARIBLE WIDTH R/W AS DETERMINE  
BY MAINTENANCE



5/28/99  
C:\PROJECTS\80111\DRAWING\80111-EC-9.DWG  
DATE PLOTTED: 05/28/99 10:00 AM  
PLOTTER: HP DesignJet 500  
SCALE: 1" = 50'  
SHEET NO.: EC-9  
PROJECT REFERENCE NO.: 80111

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TOM UROUHART  
DB 138 PG 183  
MB 13 PG 820

TOM UROUHART  
DB 138 PG 183  
MB 13 PG 820

Sta 75+85.04  
 $\Delta = 7^{\circ} 29' 33.1''$  (RT)  
 $D = 4^{\circ} 24' 26.5''$   
 $L = 170.00'$   
 $T = 85.12'$   
 $R = 1,300.00'$

C29  
PI Sta 77+08.51  
 $\Delta = 11^{\circ} 01' 19.6''$  (RT)  
 $D = 14^{\circ} 19' 26.2''$   
 $L = 76.95'$   
 $T = 38.59'$   
 $R = 400.00'$

C32  
PI Sta 79+36.86  
 $\Delta = 23^{\circ} 25' 28.6''$  (LT)  
 $D = 15^{\circ} 00' 00.0''$   
 $L = 156.16'$   
 $T = 79.19'$   
 $R = 381.97'$

C33  
PI Sta 81+75.75  
 $\Delta = 26^{\circ} 44' 16.9''$  (RT)  
 $D = 38^{\circ} 11' 49.9''$   
 $L = 70.00'$   
 $T = 35.65'$   
 $R = 150.00'$

C34  
PI Sta 82+31.57  
 $\Delta = 2^{\circ} 03' 01.8''$  (RT)  
 $D = 4^{\circ} 46' 28.7''$   
 $L = 42.95'$   
 $T = 21.48'$   
 $R = 1,200.00'$

DISPUTED AREA  
MB 13 PG 834  
MB 13 PG 845

C36  
PI Sta 85+08.90  
 $\Delta = 7^{\circ} 57' 27.9''$  (RT)  
 $D = 15^{\circ} 54' 55.8''$   
 $L = 50.00'$   
 $T = 25.04'$   
 $R = 360.00'$

C37  
PI Sta 85+93.74  
 $\Delta = 28^{\circ} 01' 09.8''$  (RT)  
 $D = 23^{\circ} 52' 23.7''$   
 $L = 117.37'$   
 $T = 59.88'$   
 $R = 240.00'$

C38  
PI Sta 90+56.10  
 $\Delta = 21^{\circ} 38' 42.3''$  (LT)  
 $D = 25^{\circ} 27' 53.2''$   
 $L = 85.00'$   
 $T = 43.01'$   
 $R = 225.00'$

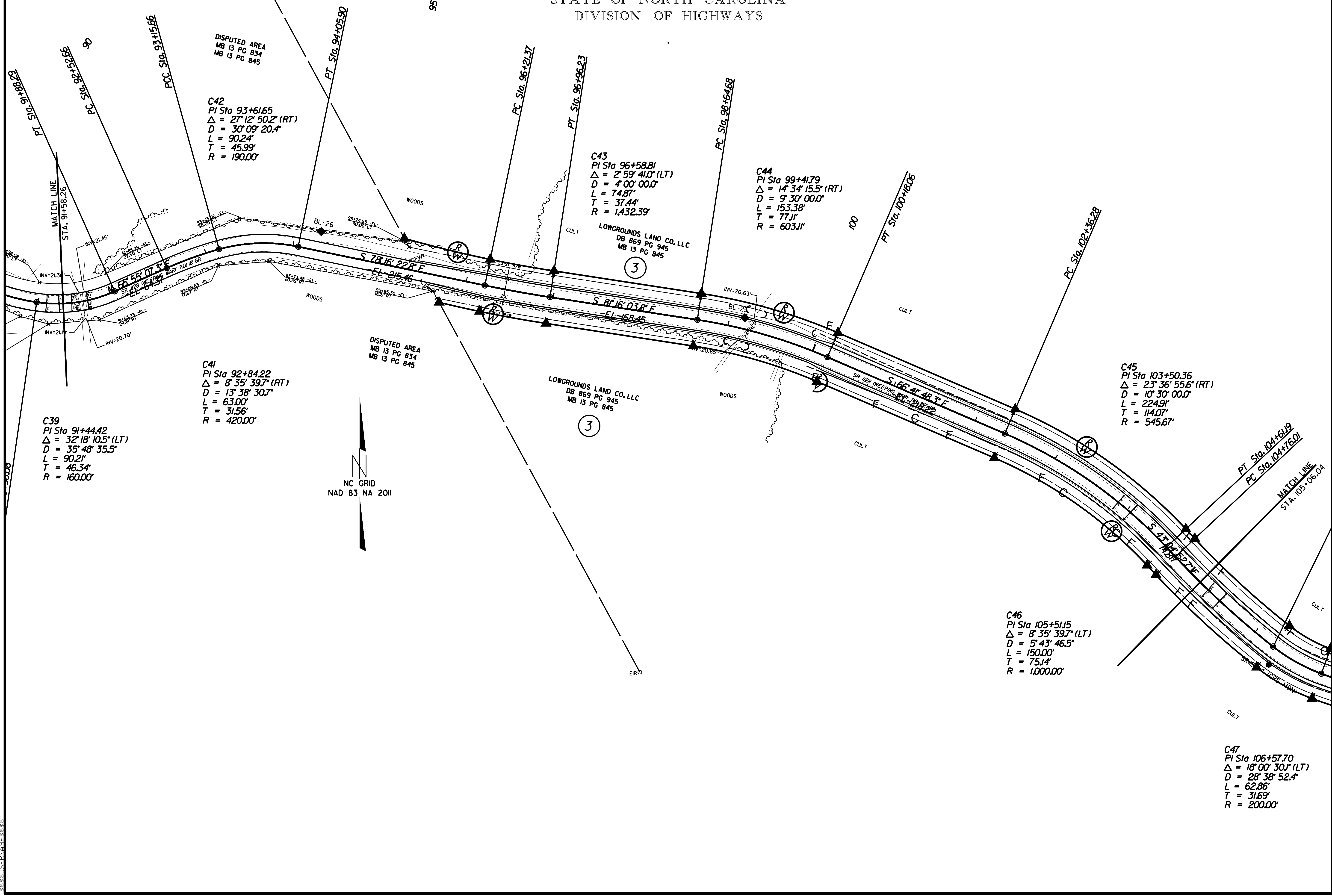
DISPUTED AREA  
MB 13 PG 834  
MB 13 PG 845

DISPUTED AREA  
MB 13 PG 834  
MB 13 PG 845

C39  
PI Sta 91+44.42  
 $\Delta = 32^{\circ} 18' 10.5''$  (LT)  
 $D = 35^{\circ} 48' 35.5''$   
 $L = 90.21'$   
 $T = 46.34'$   
 $R = 160.00'$

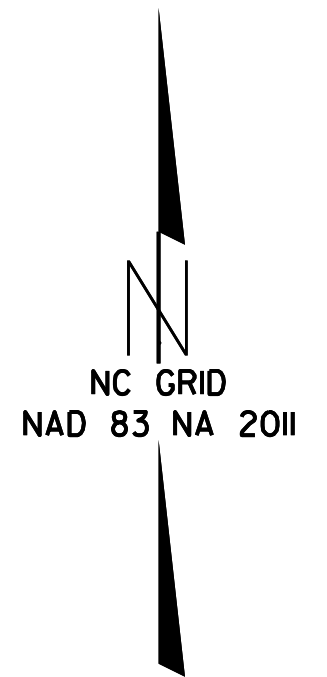
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

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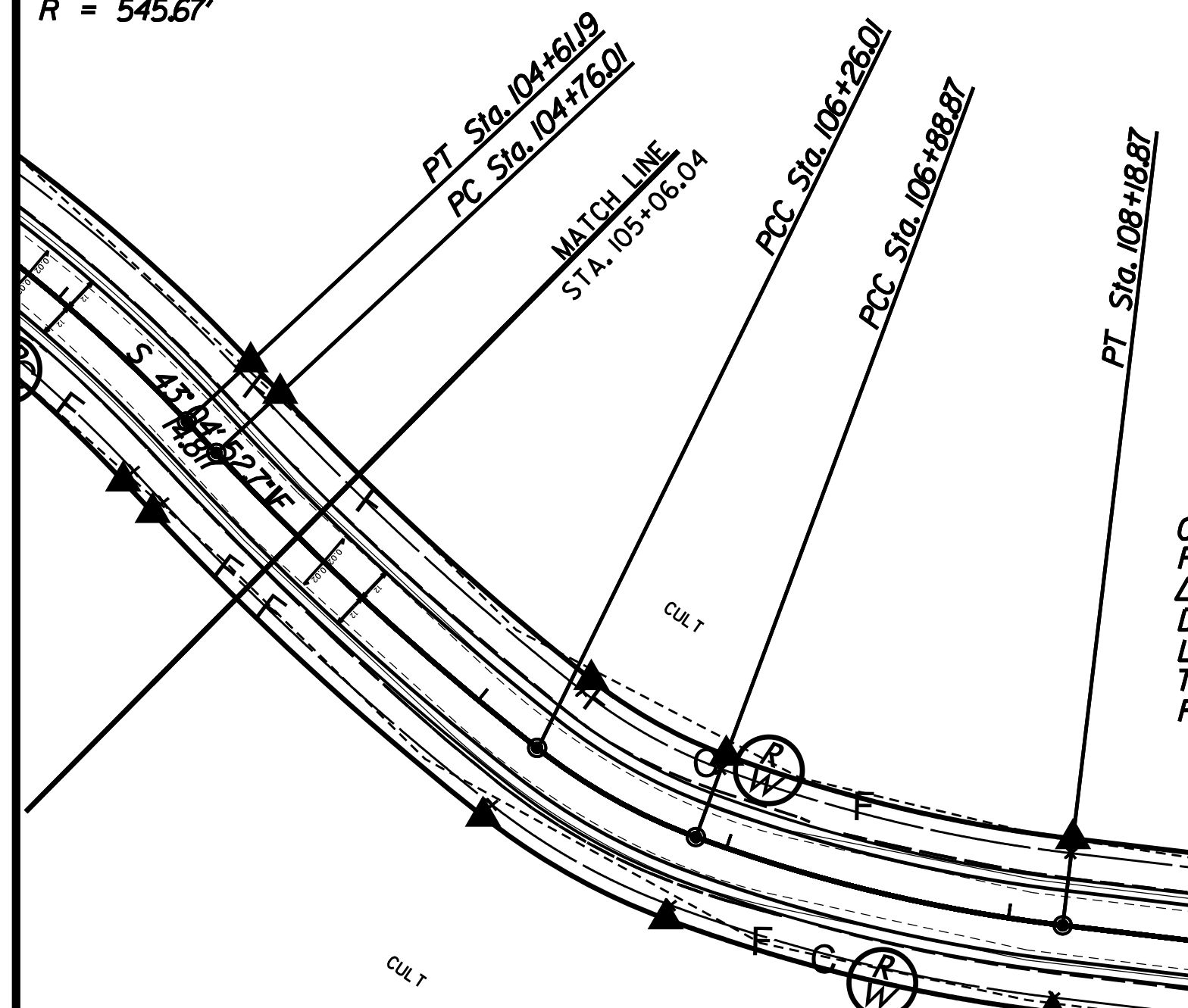


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STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS



C45  
PI Sta 103+50.36  
 $\Delta = 23^\circ 36' 55.6''$  (RT)  
D = 10' 30' 00.0"  
L = 224.9'  
T = 114.07'  
R = 545.67'



C48  
PI Sta 107+54.17  
 $\Delta = 13^\circ 32' 33.5''$  (LT)  
D = 10' 25' 02.7"  
L = 130.00'  
T = 65.30'  
R = 550.00'  
LOWGROUNDS LAND CO. LLC  
DB 869 PG 945  
MB 13 PG 845

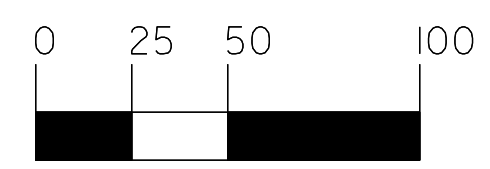
C47  
PI Sta 106+57.70  
 $\Delta = 18^\circ 00' 30.1''$  (LT)  
D = 28' 38' 52.4"  
L = 62.86'  
T = 31.69'  
R = 200.00'

LOWGROUNDS LAND CO. LLC  
DB 869 PG 945  
MB 13 PG 845

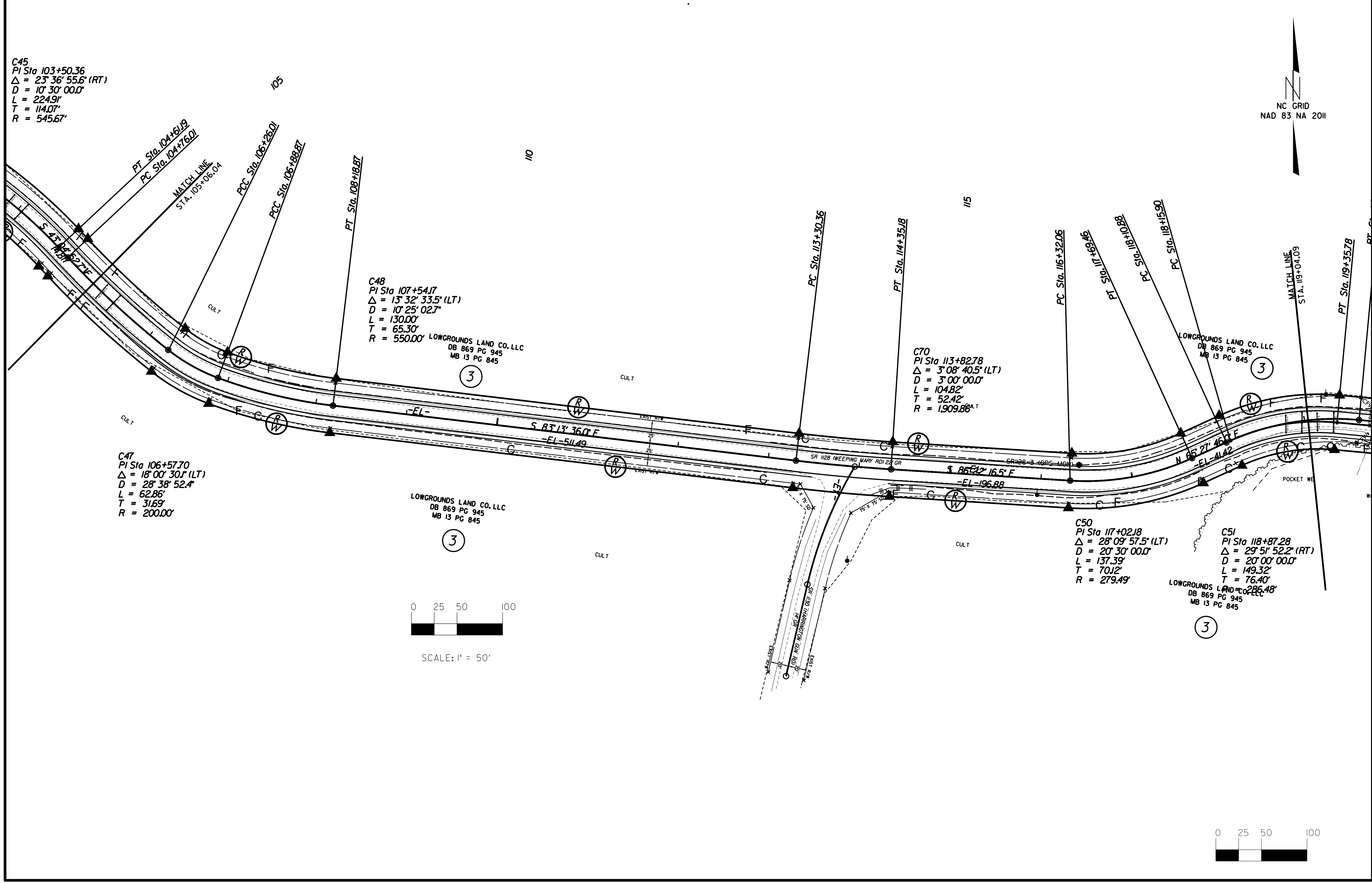
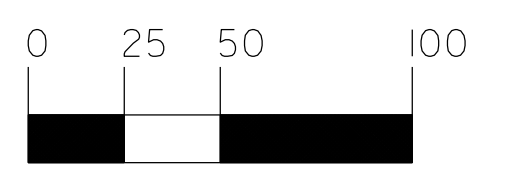
C70  
PI Sta 113+82.78  
 $\Delta = 3^\circ 08' 40.5''$  (LT)  
D = 3' 00' 00.0"  
L = 104.82'  
T = 52.42'  
R = 1,909.88'

C50  
PI Sta 117+02.18  
 $\Delta = 28^\circ 09' 57.5''$  (LT)  
D = 20' 30' 00.0"  
L = 137.39'  
T = 70.12'  
R = 279.49'

C51  
PI Sta 118+87.28  
 $\Delta = 29^\circ 51' 52.2''$  (RT)  
D = 20' 00' 00.0"  
L = 149.32'  
T = 76.40'  
R = 286.48'  
LOWGROUNDS LAND CO. LLC  
DB 869 PG 945  
MB 13 PG 845



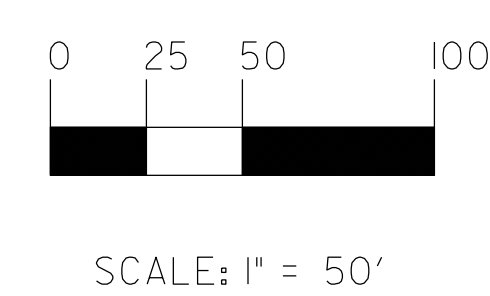
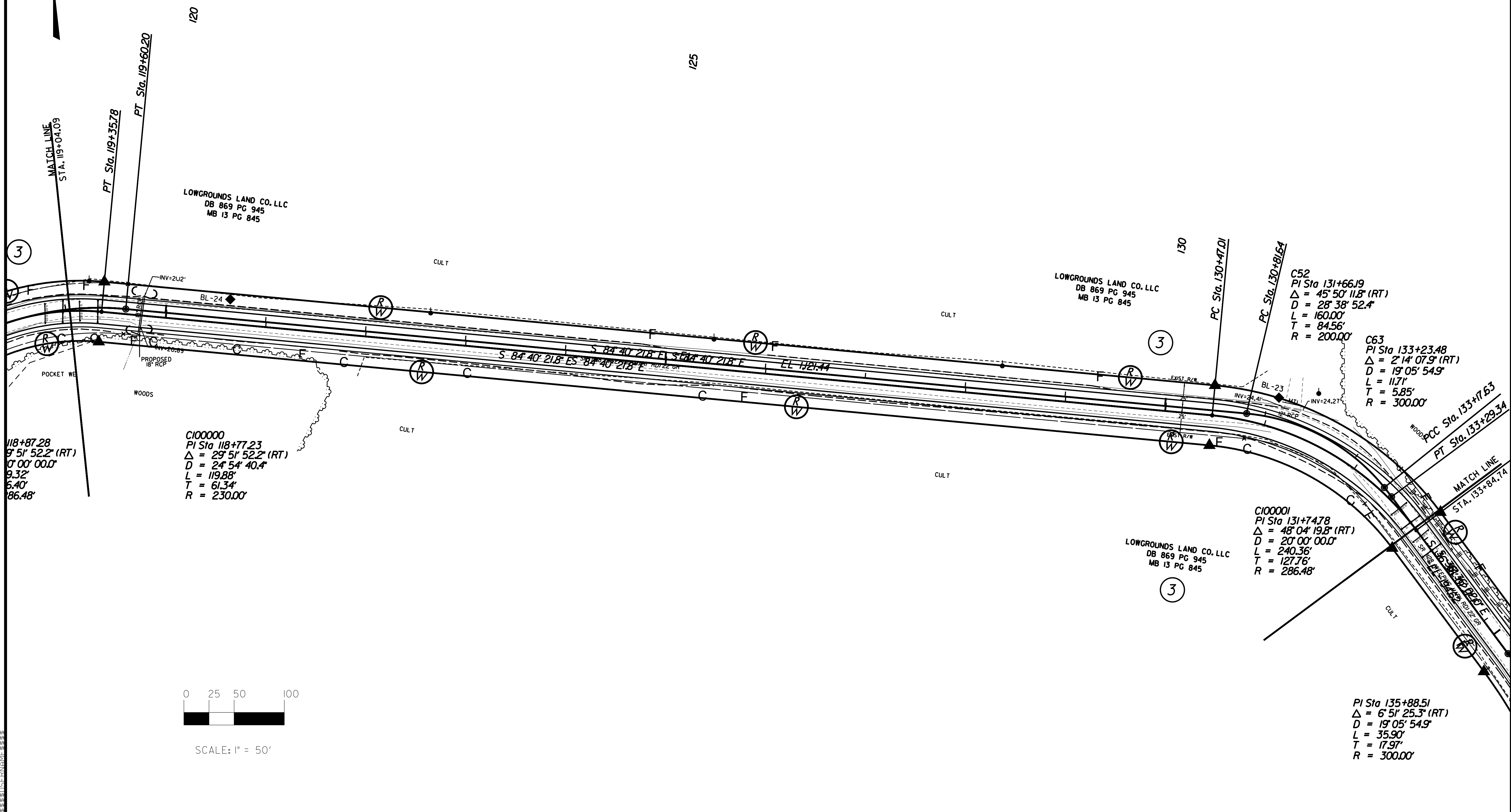
SCALE: 1" = 50'



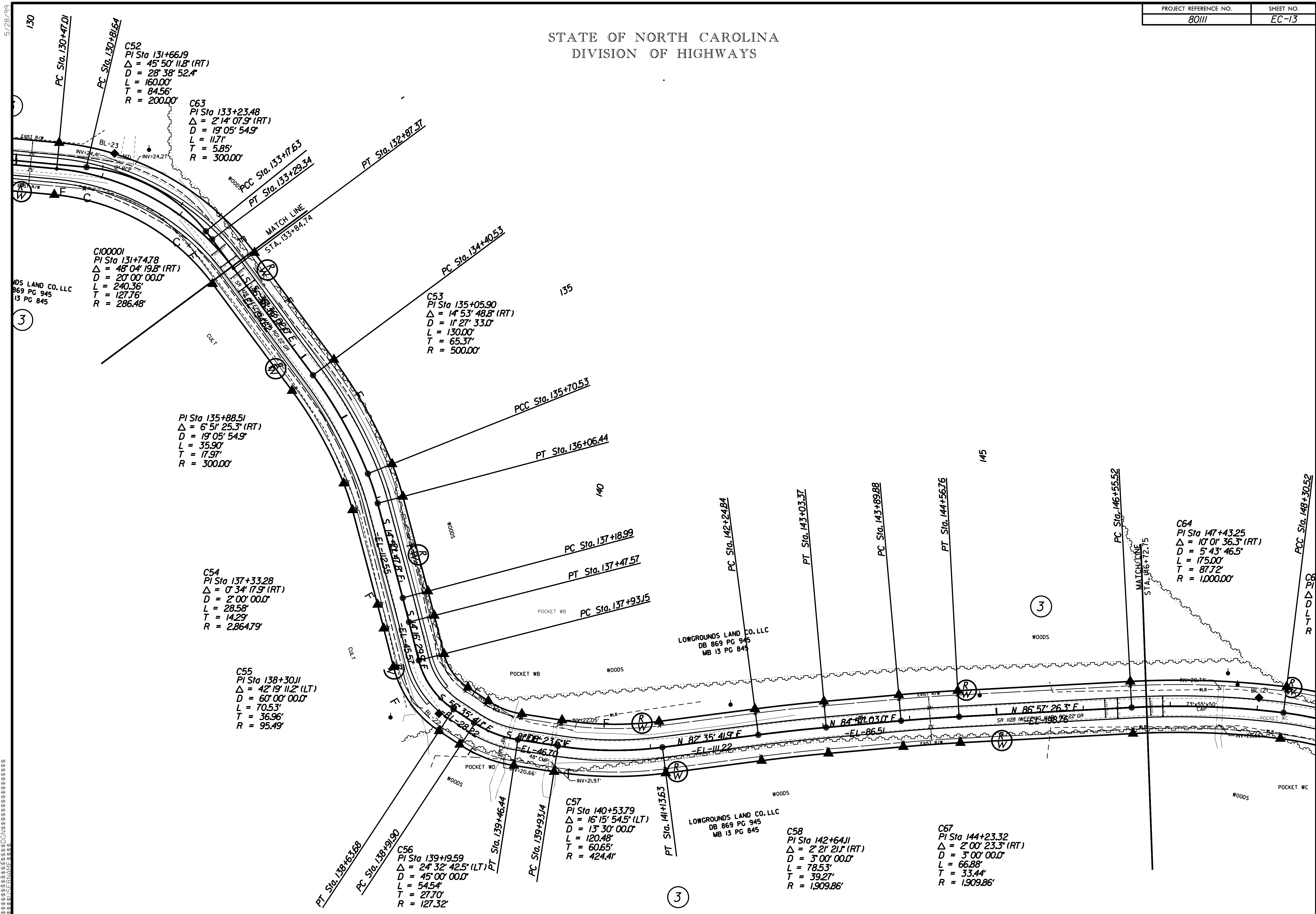


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

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STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS



C52  
PI Sta 131+66.19  
Δ = 45° 50' 11.8" (RT)  
D = 28° 38' 52.4"  
L = 160.00'  
T = 84.56'  
R = 200.00'

C63  
PI Sta 133+23.48  
Δ = 2° 14' 07.9" (RT)  
D = 19° 05' 54.9"  
L = 11.71'  
T = 5.85'  
R = 300.00'

C100001  
PI Sta 131+74.78  
Δ = 48° 04' 19.8" (RT)  
D = 20° 00' 00.0"  
L = 240.36'  
T = 127.76'  
R = 286.48'

C53  
PI Sta 135+05.90  
Δ = 14° 53' 48.8" (RT)  
D = 11° 27' 33.0"  
L = 130.00'  
T = 65.37'  
R = 500.00'

PI Sta 135+88.51  
Δ = 6° 51' 25.3" (RT)  
D = 19° 05' 54.9"  
L = 35.90'  
T = 17.97'  
R = 300.00'

C54  
PI Sta 137+33.28  
Δ = 0° 34' 17.9" (RT)  
D = 2° 00' 00.0"  
L = 28.58'  
T = 14.29'  
R = 286.479'

C55  
PI Sta 138+30.11  
Δ = 42° 19' 11.2" (LT)  
D = 60° 00' 00.0"  
L = 70.53'  
T = 36.96'  
R = 95.49'

C64  
PI Sta 147+43.25  
Δ = 10° 01' 36.3" (RT)  
D = 5° 43' 46.5"  
L = 175.00'  
T = 87.72'  
R = 1,000.00'

C57  
PI Sta 140+53.79  
Δ = 16° 15' 54.5" (LT)  
D = 13° 30' 00.0"  
L = 120.48'  
T = 60.65'  
R = 424.41'

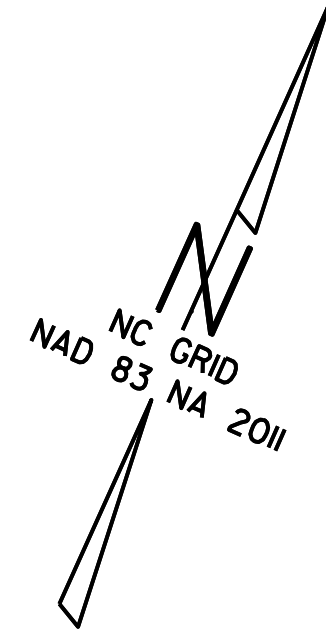
C56  
PI Sta 139+19.59  
Δ = 24° 32' 42.5" (LT)  
D = 45° 00' 00.0"  
L = 54.54'  
T = 27.70'  
R = 127.32'

C58  
PI Sta 142+64.11  
Δ = 2° 21' 21.1" (RT)  
D = 3° 00' 00.0"  
L = 78.53'  
T = 39.27'  
R = 1,909.86'

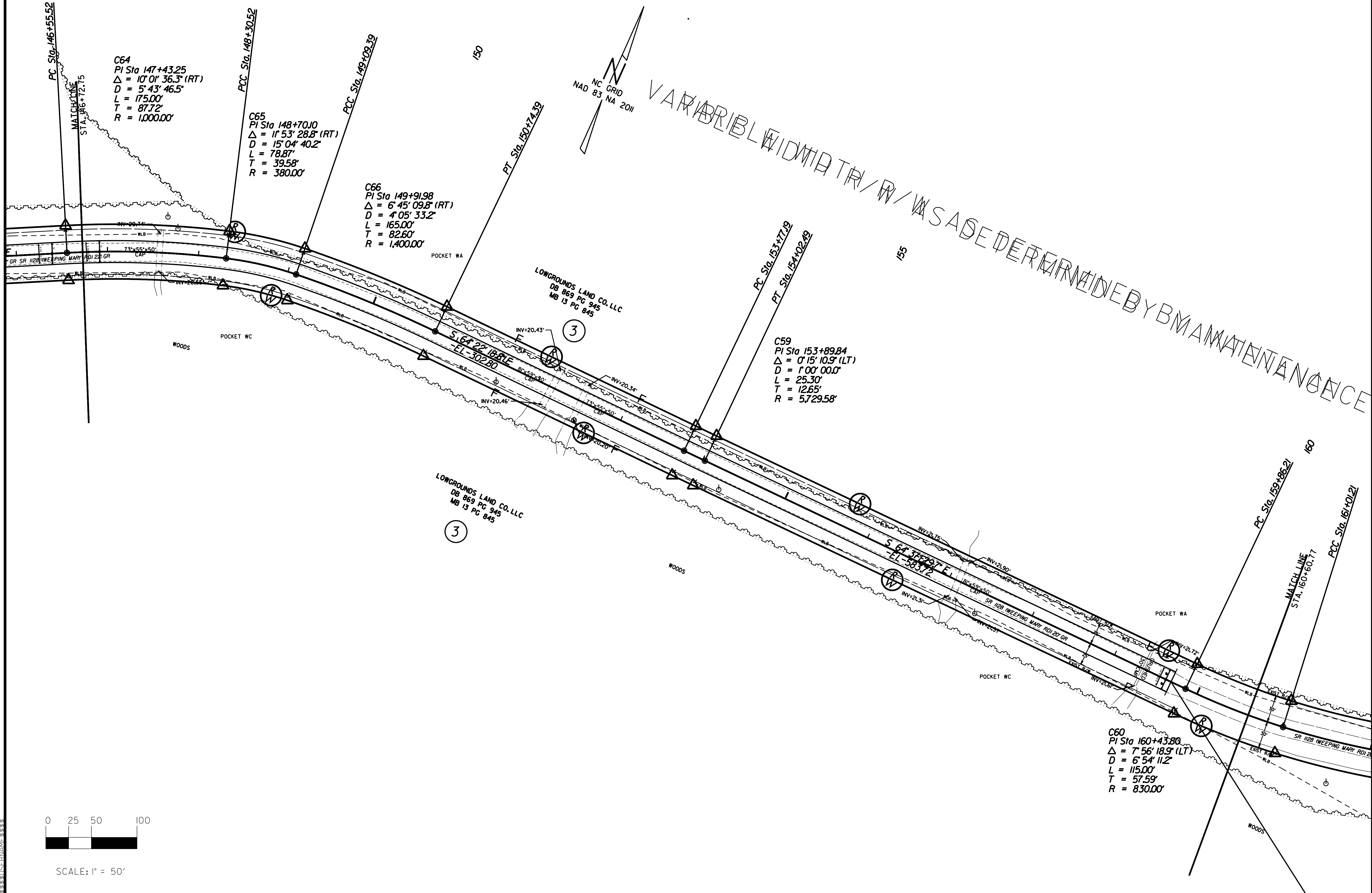
C67  
PI Sta 144+23.32  
Δ = 2° 00' 23.3" (RT)  
D = 3° 00' 00.0"  
L = 66.88'  
T = 33.44'  
R = 1,909.86'

5/28/99  
WOODS LAND CO. LLC  
969 PG 945  
13 PG 845  
LOWGROUNDS LAND CO. LLC  
DB 869 PG 945  
MB 13 PG 845  
SR 1128 INVEP/MB 13 PG 845  
SR 1128 INVEP/MB 13 PG 845

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS



VARIABLE WIDTH TR/W/S AS DETERMINED BY MAINTENANCE



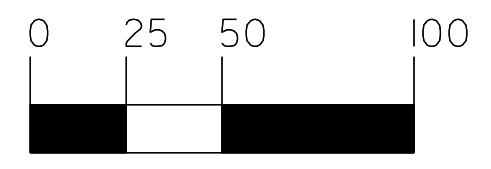
C64  
PI Sta 147+43.25  
 $\Delta = 10^{\circ} 01' 36.3''$  (RT)  
D = 5' 43' 46.5"  
L = 175.00'  
T = 87.72'  
R = 1,000.00'

C65  
PI Sta 148+70.10  
 $\Delta = 11^{\circ} 53' 28.8''$  (RT)  
D = 15' 04' 40.2"  
L = 78.87'  
T = 39.58'  
R = 380.00'

C66  
PI Sta 149+91.98  
 $\Delta = 6^{\circ} 45' 09.8''$  (RT)  
D = 4' 05' 33.2"  
L = 165.00'  
T = 82.60'  
R = 1,400.00'

C59  
PI Sta 153+89.84  
 $\Delta = 0^{\circ} 15' 10.9''$  (LT)  
D = 1' 00' 00.0"  
L = 25.30'  
T = 12.65'  
R = 5,729.58'

C60  
PI Sta 160+43.80  
 $\Delta = 7^{\circ} 56' 18.9''$  (LT)  
D = 6' 54' 11.2"  
L = 115.00'  
T = 57.59'  
R = 830.00'



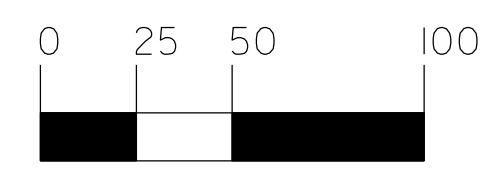
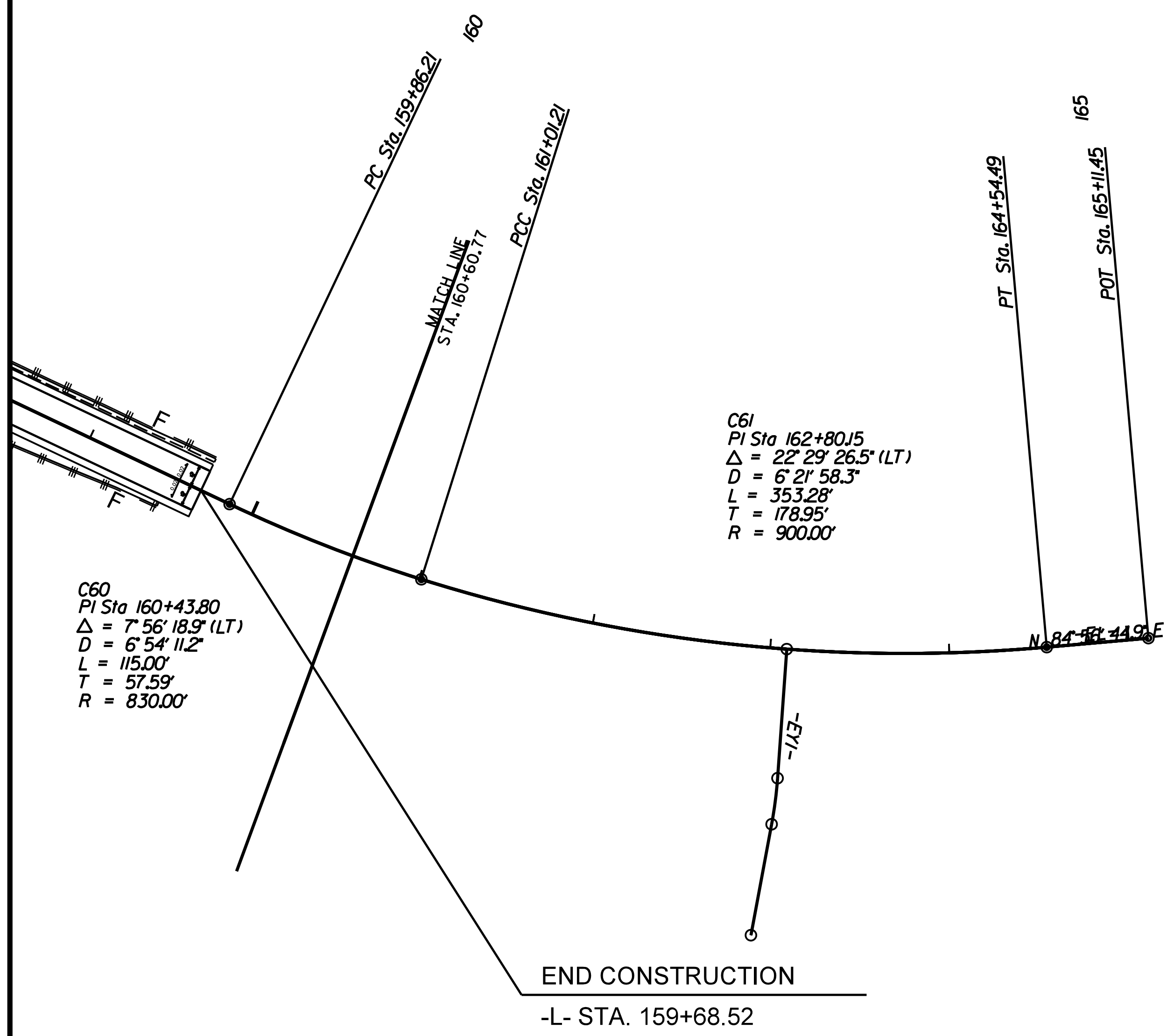
SCALE: 1" = 50'

5/28/19



STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

5/28/99



SCALE: 1" = 50'

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