

09/06/99

TIP PROJECT: BR-0035

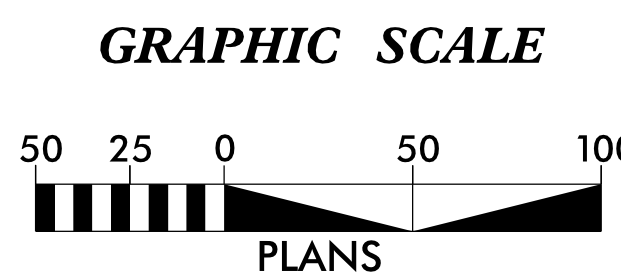
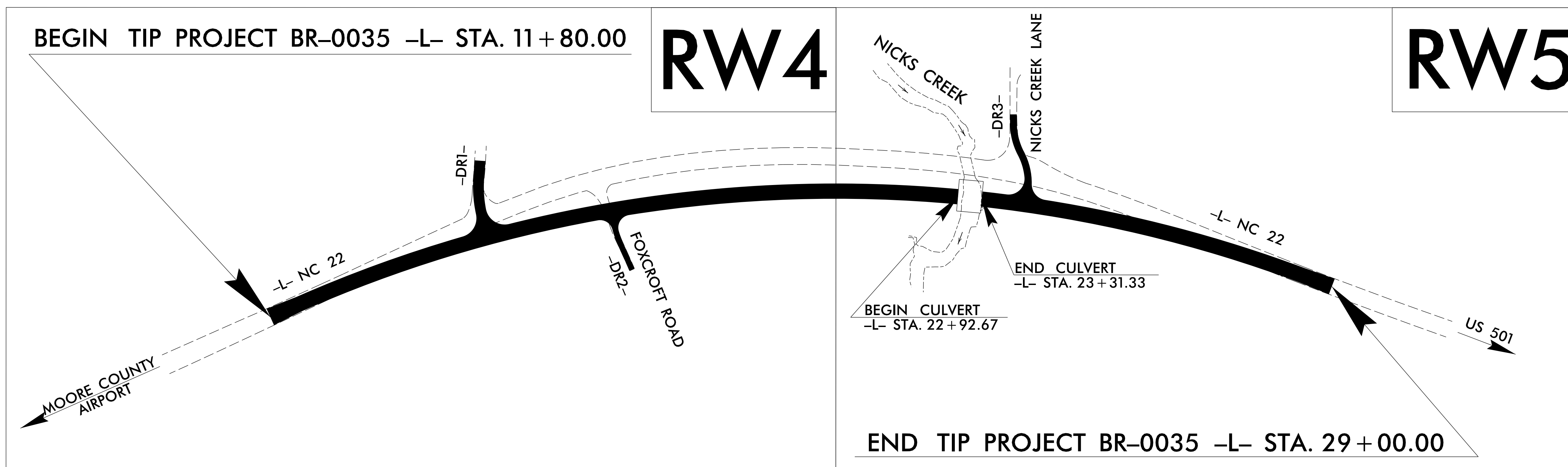
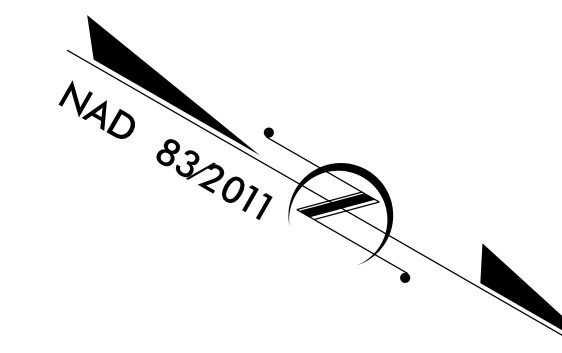
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0035	RW01	7

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SURVEY CONTROL, EXISTING CENTERLINES,
RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

MOORE COUNTY

LOCATION: BRIDGE NO. 24 ON NC 22 OVER NICKS CREEK
TYPE OF WORK: GRADING, DRAINAGE, PAVING AND CULVERT



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "BR0035-99" WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF NORTHING: 547,505.962(ft) EASTING: 1,876,705.849(ft) ELEVATION: 316.611(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9998623922 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BR0035-99" TO -L- STATION 10+00 IS S 42°54'45" E 1,447.17(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD88

Prepared in the Office of:

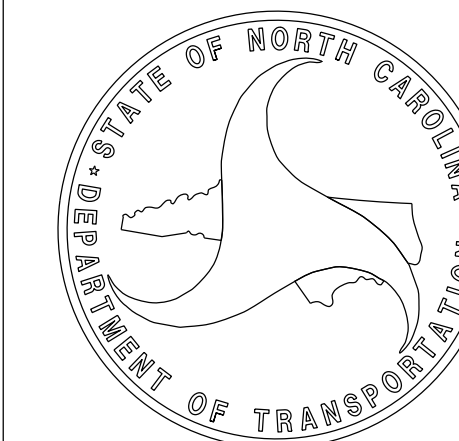


2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
AUGUST 30, 2019

LETTING DATE:

PROFESSIONAL LAND SURVEYOR




DocuSigned by:
Rudolf A. Vandervelde, Jr.
SIGNATURE:

5/18/2020
Date:

\$\$\$\$\$ SYSTEM \$\$\$\$\$\$
\$\$\$\$\$ DDN \$\$\$\$\$\$
\$\$\$\$\$ USERNAME \$\$\$\$\$\$

PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
BR-0035	RW02D-1
Location and Surveys	
 WithersRavenel Engineers Planners Surveyors	

6/2/19

REVISIONS

Z:\QC\2018\0517\3009517-BR-0035 RW Stakeout\Geometrics\NCDDOT\ROW Sheets\0-Series\br-0035_ls_rw02d-1.dgn
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 AT WRT
 RW02D-1

L

TYPE	STATION	NORTH	EAST
POT	10+00.00	546446.0651	1877691.2014
PC	12+08.38	546567.7128	1877522.0153
PRC	28+71.37	547947.4554	1876673.2955
PT	30+18.56	548092.5512	1876648.6334
POT	30+96.16	548168.8877	1876634.6473

DR1

TYPE	STATION	NORTH	EAST
POT	10+00.00	546696.6147	1877131.1812
PC	10+66.21	546725.6507	1877190.6840
PT	11+32.84	546764.2154	1877244.6399
POT	11+62.52	546785.2423	1877265.5943

DR2

TYPE	STATION	NORTH	EAST
POT	10+00.00	546932.9467	1877130.8605
PC	10+17.19	546943.9143	1877144.0982
PT	10+55.18	546971.5773	1877169.9870
POT	11+30.29	547032.4578	1877213.9714

DR3

TYPE	STATION	NORTH	EAST
PC	10+00.00	547386.1273	1876649.5434
PRC	10+88.30	547456.4136	1876698.1492
PT	11+93.40	547533.8557	1876761.9459
POT	12+12.40	547540.4801	1876779.7514

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 INFORMATINO REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.



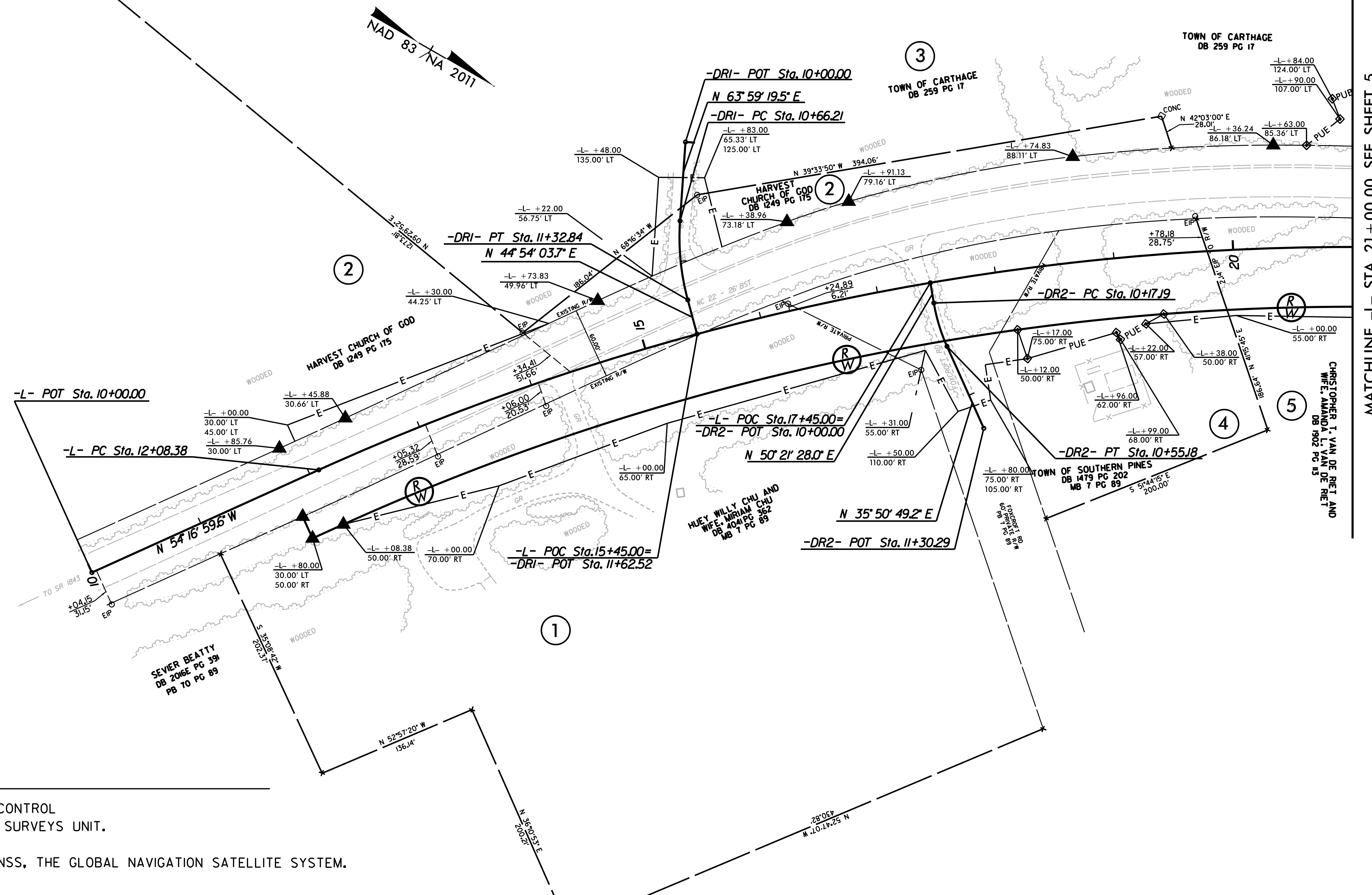
-L-		
PI Sta 20+86.24		
$\Delta = 45^{\circ} 22' 21.6"$ (RT)		
D = 2' 43' 42.1"		
L = 1663.00'		
T = 877.86'		
R = 2,100.00'		
RO = SEE PLANS		
SE = .06		
-DRI-	-DR2-	
PI Sta 10+99.84	PI Sta 10+36.29	
$\Delta = 19^{\circ} 05' 15.8"$ (LT)	$\Delta = 14^{\circ} 30' 38.7"$ (LT)	
D = 28' 38" 52.4"	D = 38' 11" 49.9"	
L = 66.63'	L = 37.99'	
T = 33.63'	T = 19.10'	
R = 200.00'	R = 150.00'	

I, Rudolf A. VanderVelde Jr., a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work items (R/W Staking) performed under my responsible charge meet NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from existing survey control provided by others; that the depicted property data shown herein were surveyed by others; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (See deeds for final determination).

Witness my original signature, registration number and seal this 30th day of October, 2019.

Rudolf A. VanderVelde Jr. 10/30/2019 L-5146
 Professional Land Surveyor PLS # Seal



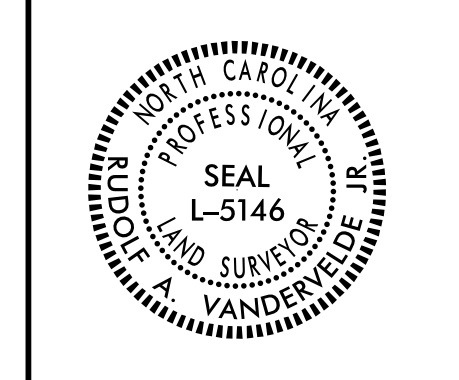
- NOTES:**
- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
 - PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

REVISIONS

MATCHLINE -L- STA. 21+00.00 SEE SHEET 5

6/2/19
 30 OCT 2019 10:53:30
 R:\Projects\2019\17-BR-0035-RW\Stakeout\Geometrics\NCDOT\ROW_Sheets\RW_Series\br-0035-1s-rw04.dgn
 VanderVelde

Location and Surveys



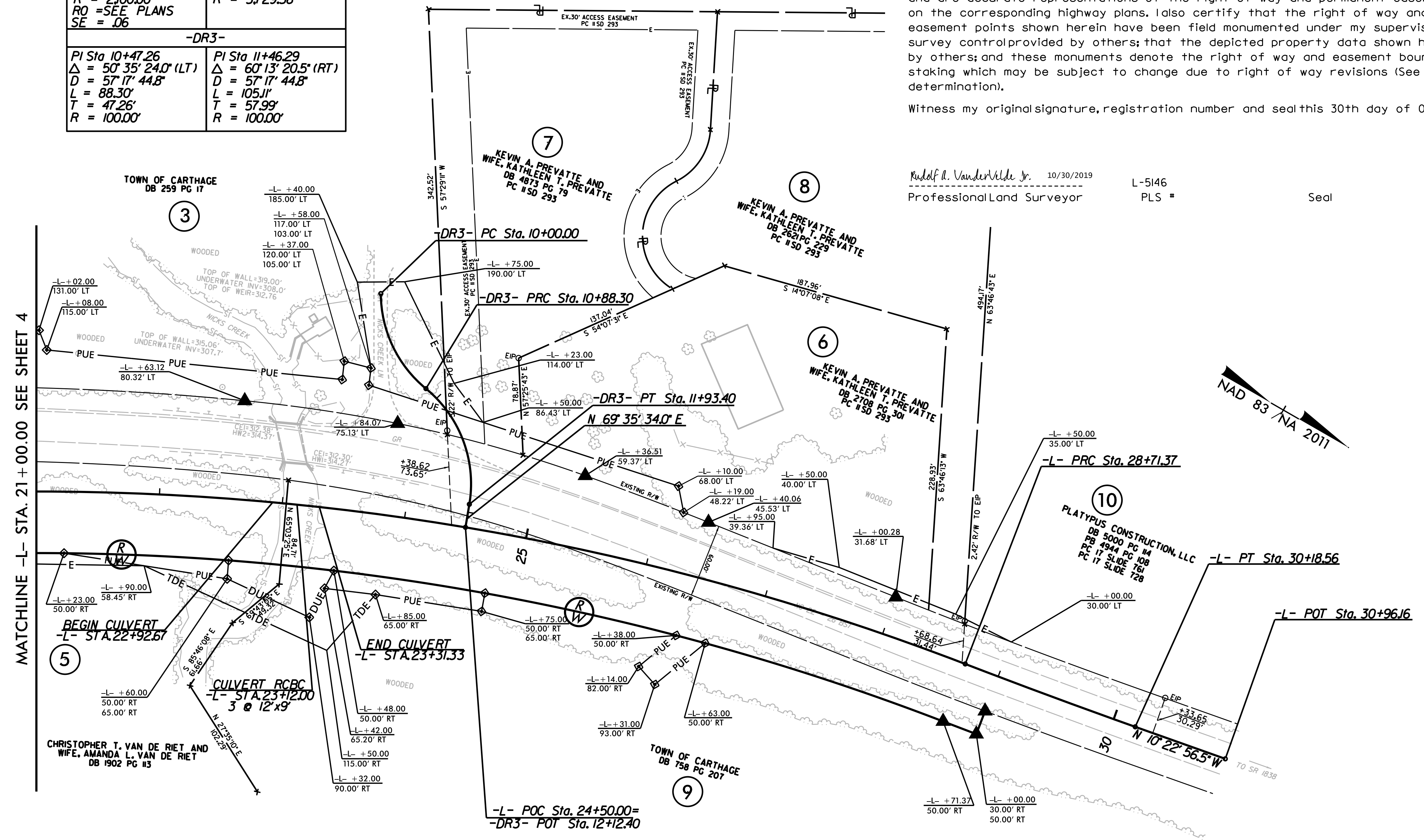
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-L-	
PI Sta 20+86.24 Δ = 45° 22' 21.6" (RT) D = 2' 43' 42.1" L = 1663.00' T = 877.86' R = 2100.00' RO = SEE PLANS SE = .06	PI Sta 29+44.97 Δ = 1° 28' 18.5" (LT) D = 1' 00' 00.0" L = 147.8' T = 73.59' R = 5729.58'
-DR3-	
PI Sta 10+47.26 Δ = 50° 35' 24.0" (LT) D = 57' 17' 44.8" L = 88.30' T = 47.26' R = 100.00'	PI Sta 11+46.29 Δ = 60° 13' 20.5" (RT) D = 57' 17' 44.8" L = 105.11' T = 57.99' R = 100.00'



NOTES:

- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.

6/2/19
30 OCT 2019 10:53
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Rudolf A. VanderVelde