

Location and Surveys

KCI Associates of N.C., P.A.  
 4505 Falls of Neuse Rd, Suite 400  
 Raleigh, NC 27609  
 Phone (919) 783-9214  
<http://www.kci.com>

PROJECT SURVEYOR

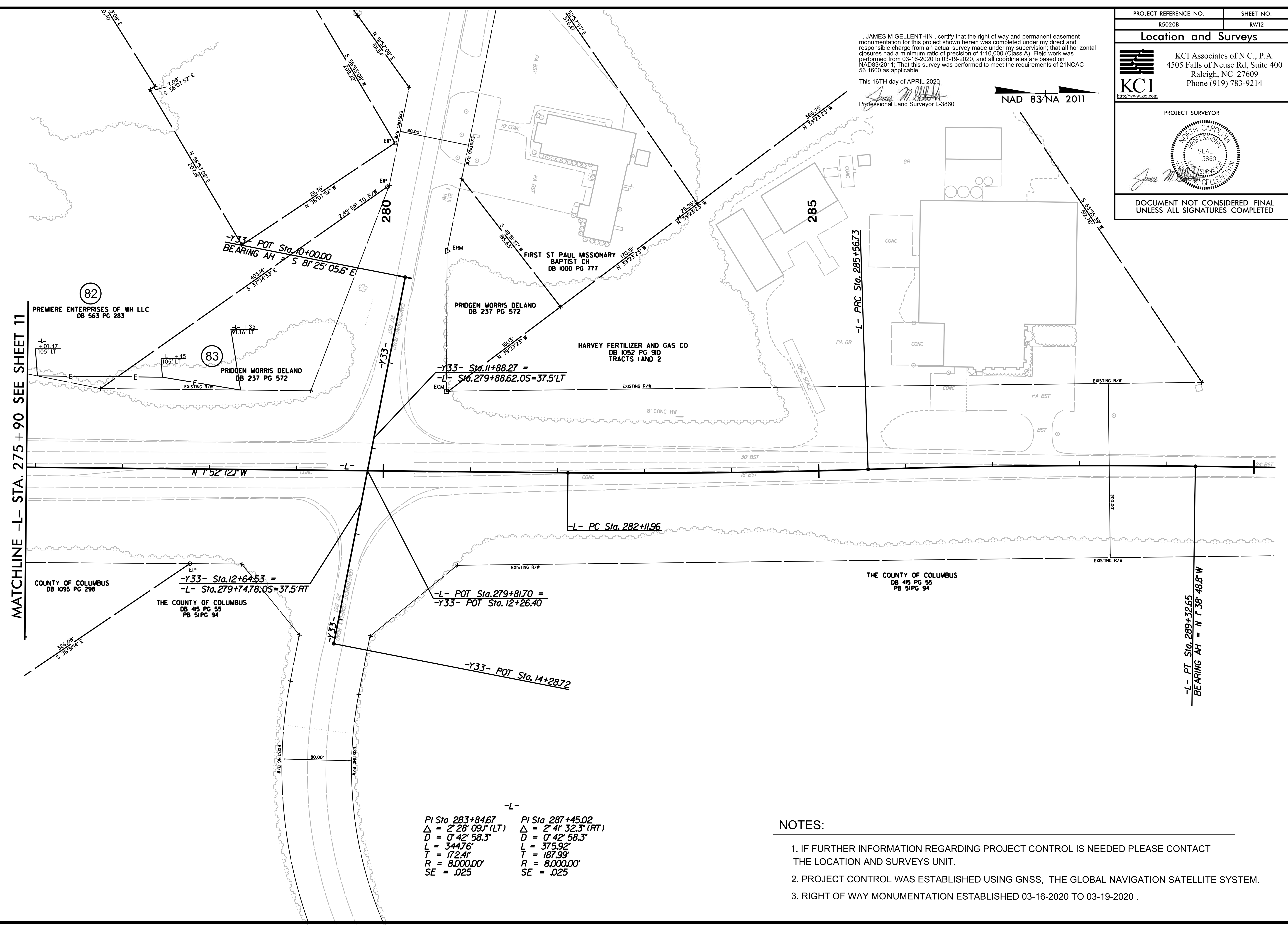
DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

I, JAMES M GELLENTHIN, 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 03-16-2020 to 03-19-2020, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 16TH day of APRIL 2020

*James M. Gellenthin*  
 Professional Land Surveyor L-3860

NAD 83/NA 2011



MATCHLINE -L- STA. 275 + 90 SEE SHEET 11

-L- PT Sta. 289+32.65  
 BEARING AH = N 1°38'48.8" W

-L-	-L-
PI Sta 283+84.67	PI Sta 287+45.02
Δ = 2°28'09.1 (LT)	Δ = 2°41'32.3 (RT)
D = 0°42'58.3"	D = 0°42'58.3"
L = 344.76'	L = 375.92'
T = 172.41'	T = 187.99'
R = 8,000.00'	R = 8,000.00'
SE = .025	SE = .025

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 03-16-2020 TO 03-19-2020 .

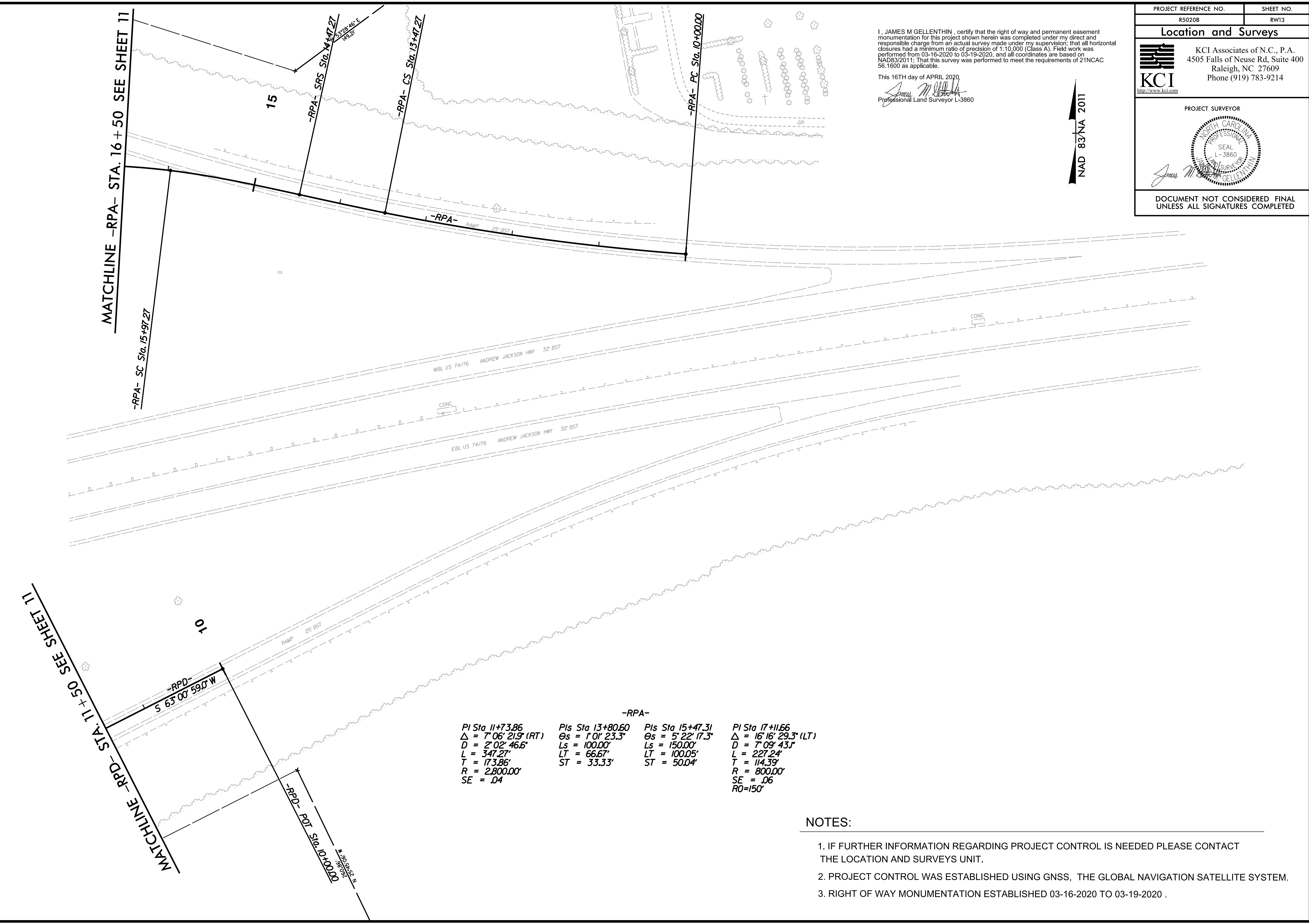
REVISIONS

6/2/19  
 15:15:2020\_0830 - Survey\A-R5020B RW Station\DRAWINGS\5020B-1s-rw12.dgn  
 15:15:2020\_0830 - Survey\A-R5020B RW Station\DRAWINGS\5020B-1s-rw12.dgn  
 15:15:2020\_0830 - Survey\A-R5020B RW Station\DRAWINGS\5020B-1s-rw12.dgn

6/2/19

REVISIONS

I:\Projects\2020\_06\132 NCDOT - Survey\A-R5020B RW Stationing\DRAWINGS\5020b-1s-rw13.dgn  
15:45:20 2020\_06\_13 12:25:11  
matchlines



MATCHLINE -RPA- STA. 16 + 50 SEE SHEET 11

-RPA- SC Sta. 15+97.27

15

-RPA- SRS Sta. 14+47.27

-RPA- CS Sta. 13+47.27

-RPA- PC Sta. 10+00.00

MATCHLINE -RPD- STA. 11 + 50 SEE SHEET 11

10

-RPD- S 63° 00' 59.0" W

-RPD- PT Sta. 10+00.00

WBL US 74/76 ANDREW JACKSON HWY 32' BST

EBL US 74/76 ANDREW JACKSON HWY 32' BST

PI Sta 11+73.86  
 $\Delta = 7^{\circ} 06' 21.9" (RT)$   
 $D = 2^{\circ} 02' 46.6"$   
 $L = 347.27'$   
 $T = 173.86'$   
 $R = 2,800.00'$   
 $SE = .04$

PIs Sta 13+80.60  
 $\Theta_s = 1^{\circ} 01' 23.3"$   
 $L_s = 100.00'$   
 $LT = 66.67'$   
 $ST = 33.33'$

-RPA-  
 PIs Sta 15+47.31  
 $\Theta_s = 5^{\circ} 22' 17.3"$   
 $L_s = 150.00'$   
 $LT = 100.05'$   
 $ST = 50.04'$



PI Sta 17+11.66  
 $\Delta = 16^{\circ} 16' 29.3" (LT)$   
 $D = 7^{\circ} 09' 43.1"$   
 $L = 227.24'$   
 $T = 114.39'$   
 $R = 800.00'$   
 $SE = .06$   
 $RO=150'$

I, JAMES M GELLENTHIN, 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 03-16-2020 to 03-19-2020, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 16TH day of APRIL 2020,

*James M Gellenthin*  
 Professional Land Surveyor L-3860

NAD 83/NA 2011

PROJECT REFERENCE NO. R5020B	SHEET NO. RW13
<b>Location and Surveys</b>	
	
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PROJECT SURVEYOR	
	
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2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 03-16-2020 TO 03-19-2020 .

6/2/19

REVISIONS

PROJECT REFERENCE NO. R5020B SHEET NO. RW14

Location and Surveys

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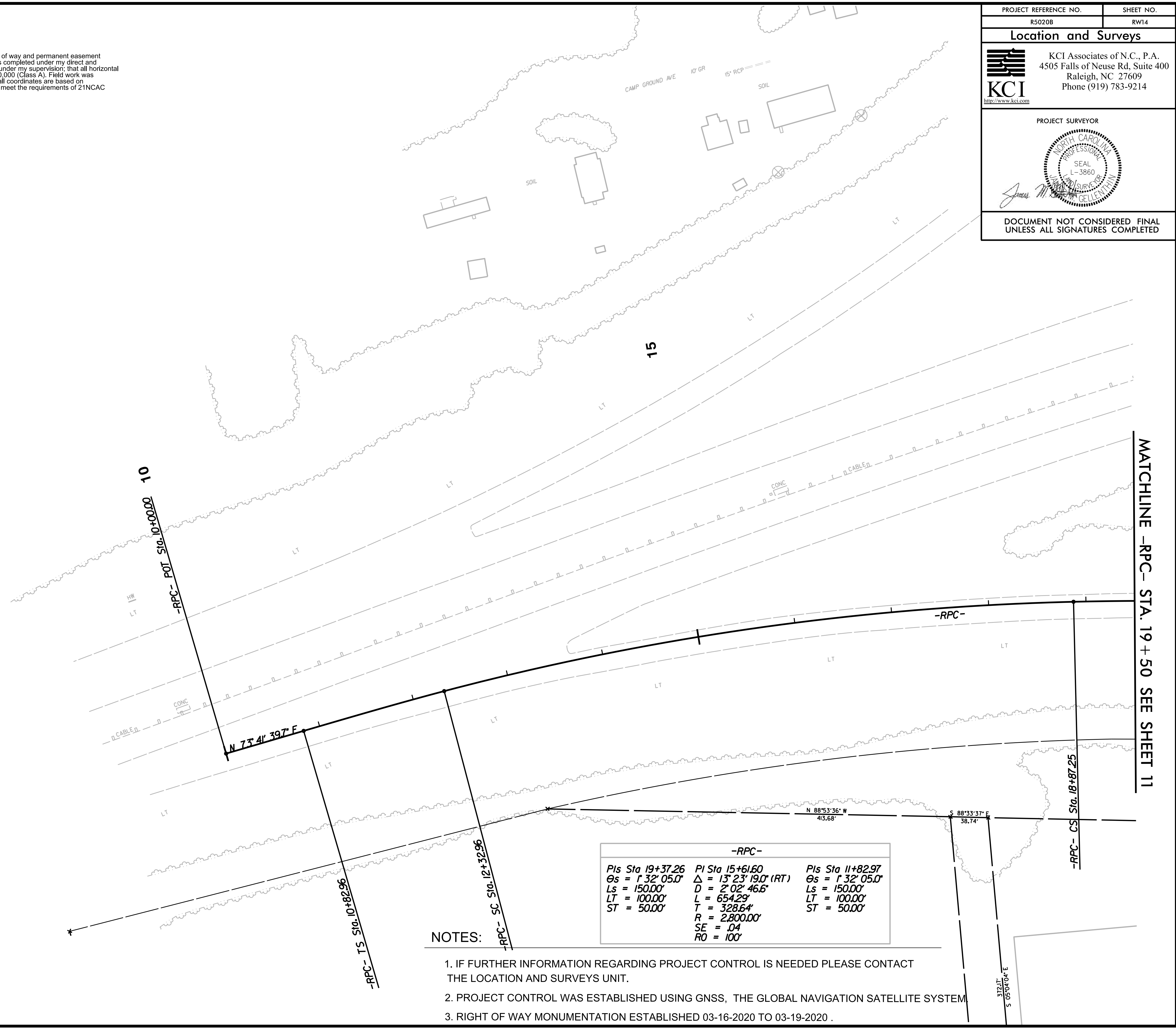
PROJECT SURVEYOR seal for James M. Gellenthin, L-3860

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NAD 83/NA 2011

I, JAMES M GELLENTHIN, 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 03-16-2020 to 03-19-2020, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 16TH day of APRIL 2020. [Signature] Professional Land Surveyor L-3860



-RPC-		
PIs Sta 19+37.26	PI Sta 15+61.60	PIs Sta 11+82.97
$\Theta_s = 1^\circ 32' 05.0''$	$\Delta = 13^\circ 23' 19.0''$ (RT)	$\Theta_s = 1^\circ 32' 05.0''$
Ls = 150.00'	D = 2' 02' 46.6"	Ls = 150.00'
LT = 100.00'	L = 654.29'	LT = 100.00'
ST = 50.00'	T = 328.64'	ST = 50.00'
	R = 2,800.00'	
	SE = .04	
	RO = 100'	

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- RIGHT OF WAY MONUMENTATION ESTABLISHED 03-16-2020 TO 03-19-2020 .

IS:\APR-2020\_0634\_Match\1502061372\_NCDOT - Survey\A-R5020B RW Staking\DRAWINGS\R5020B-1s-rw14.dgn

MATCHLINE -RPC- STA. 19 + 50 SEE SHEET 11