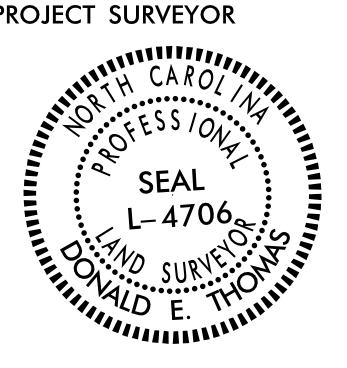


6/2/19

PROJECT REFERENCE NO.	SHEET NO.
R-5021	RW17
Location and Surveys	
ESP ASSOCIATES, INC. 211 RACINE DRIVE, SUITE 101 WILMINGTON, NC 28403	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

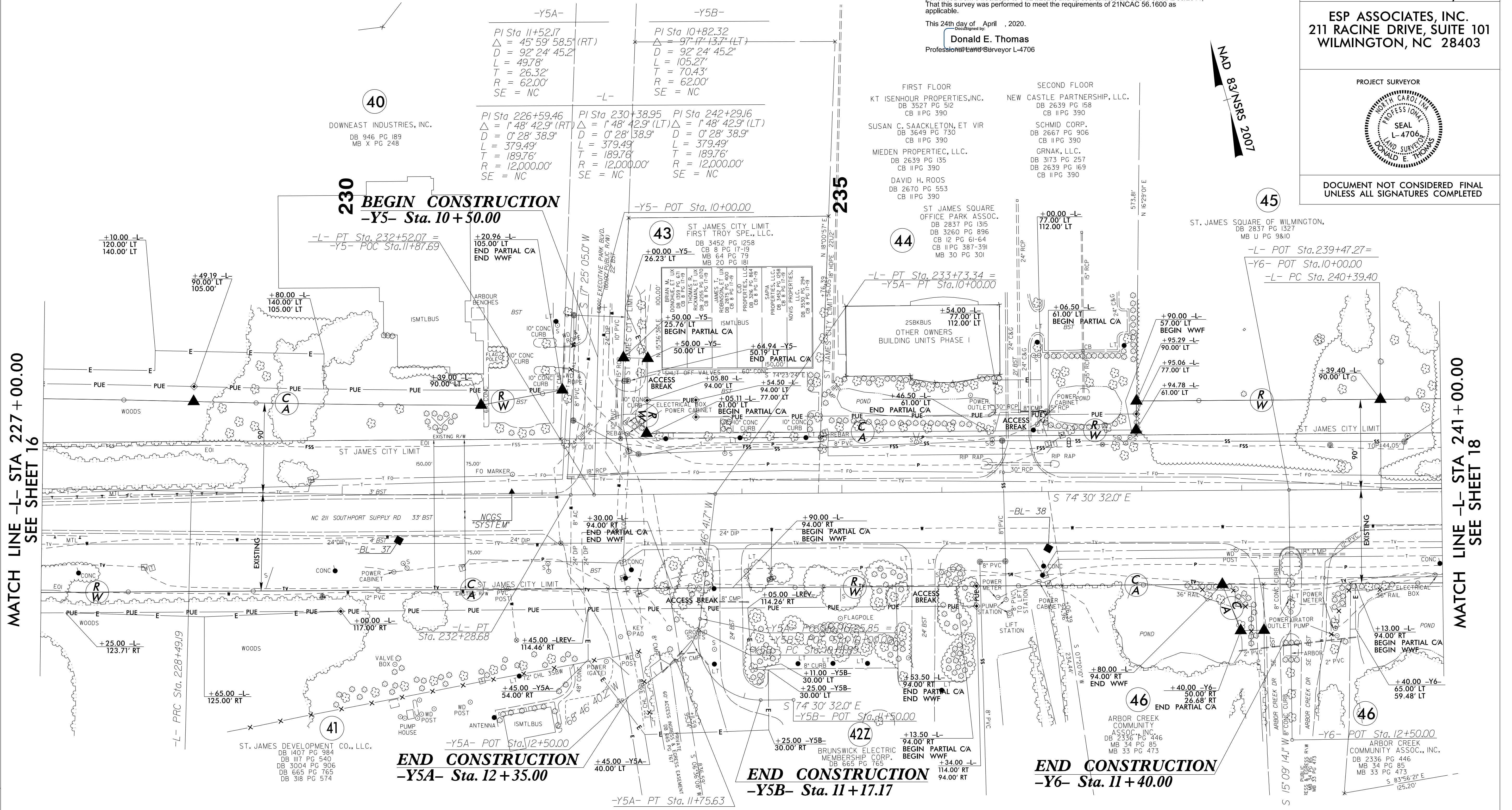
I, Donald E. Thomas, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 01/08/2020 to 04/24/2020, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of April, 2020.
 Documented by:
Donald E. Thomas
 Professional Land Surveyor L-4706

REVISIONS

MATCH LINE -L- STA 227+00.00
SEE SHEET 16

MATCH LINE -L- STA 241+00.00
SEE SHEET 18



NOTES:

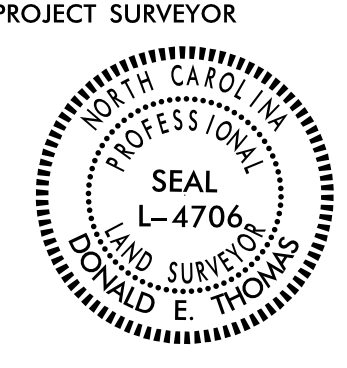
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED ____ TO ____.

SYSTEM: \$\$\$\$\$\$
 DATE: \$\$\$\$\$\$
 SURVEYOR: \$\$\$\$\$\$

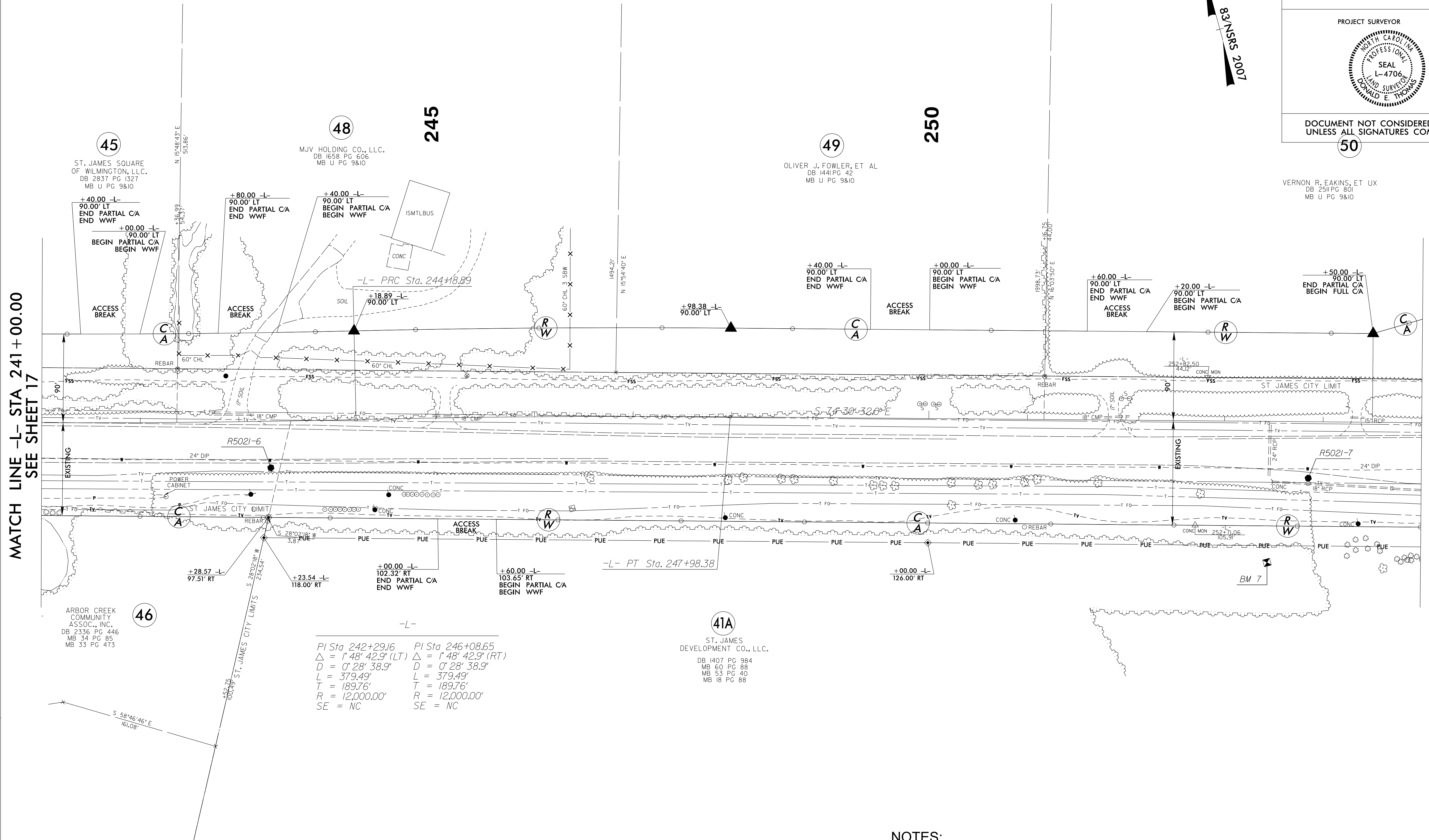
6/2/19

I, Donald E. Thomas, 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 01/08/2020 to 04/24/2020, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of April, 2020.
Designed by:
Donald E. Thomas
Professional Land Surveyor L-4706

PROJECT REFERENCE NO.	SHEET NO.
R-5021	RW18
Location and Surveys	
ESP ASSOCIATES, INC. 211 RACINE DRIVE, SUITE 101 WILMINGTON, NC 28403	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
50	

VERNON R. EAKINS, ET UX
DB 251 PG 801
MB U PG 9810



MATCH LINE -L- STA 241 + 00.00
SEE SHEET 17

MATCH LINE -L- STA 255 + 00.00
SEE SHEET 19

45
ST. JAMES SQUARE
OF WILMINGTON, LLC.
DB 2837 PG 1327
MB U PG 9810

48
MJV HOLDING CO., LLC.
DB 1658 PG 606
MB U PG 9810

49
OLIVER J. FOWLER, ET AL
DB 1441 PG 42
MB U PG 9810

46
ARBOR CREEK
COMMUNITY
ASSOC., INC.
DB 2336 PG 446
MB 34 PG 85
MB 33 PG 473

-L-
 PI Sta 242+29.16 PI Sta 246+08.65
 $\Delta = 1' 48' 42.9''$ (LT) $\Delta = 1' 48' 42.9''$ (RT)
 $D = 0' 28' 38.9''$ $D = 0' 28' 38.9''$
 $L = 379.49'$ $L = 379.49'$
 $T = 189.76'$ $T = 189.76'$
 $R = 12,000.00'$ $R = 12,000.00'$
 SE = NC SE = NC

41A
ST. JAMES
DEVELOPMENT CO., LLC.
DB 1407 PG 984
MB 60 PG 88
MB 53 PG 40
MB 16 PG 88

REVISIONS

DATE
BY
DESCRIPTION

NOTES:

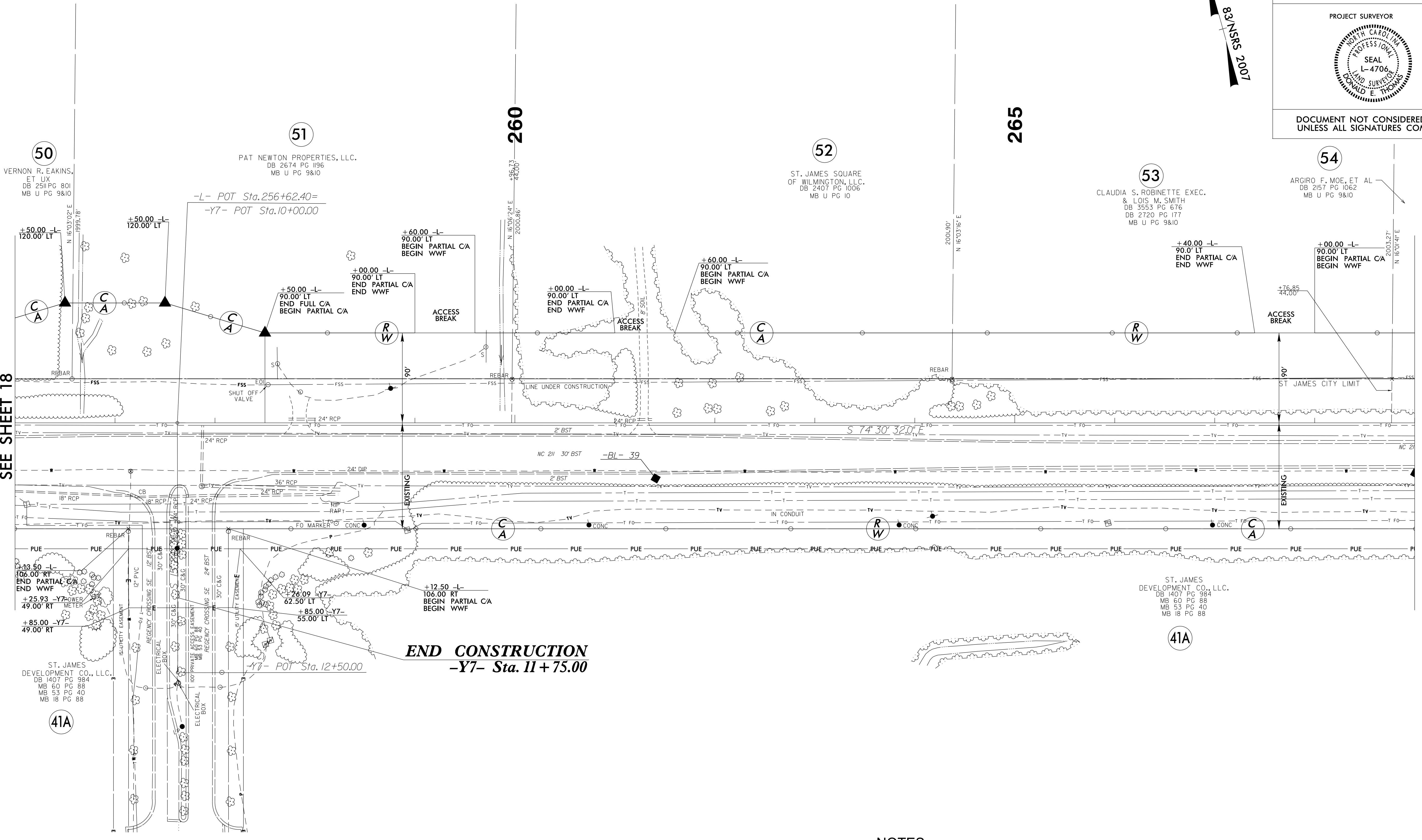
- IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- RIGHT OF WAY MONUMENTATION ESTABLISHED ____ TO ____.

6/2/19

REVISIONS

MATCH LINE -L- STA 255+00.00
SEE SHEET 18

SYTIME
COND
SURNAM



50
VERNON R. EAKINS,
ET AL
DB 2511 PG 801
MB U PG 9&10

51
PAT NEWTON PROPERTIES, LLC.
DB 2674 PG 1196
MB U PG 9&10

52
ST. JAMES SQUARE
OF WILMINGTON, LLC.
DB 2407 PG 1006
MB U PG 10

53
CLAUDIA S. ROBINETTE EXEC.
& LOIS M. SMITH
DB 3553 PG 676
DB 2720 PG 177
MB U PG 9&10

54
ARGIRO F. MOE, ET AL
DB 2157 PG 1062
MB U PG 9&10

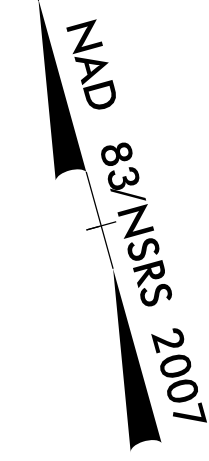
41A
ST. JAMES
DEVELOPMENT CO., LLC.
DB 1407 PG 984
MB 60 PG 88
MB 53 PG 40
MB 18 PG 88

41A
ST. JAMES
DEVELOPMENT CO., LLC.
DB 1407 PG 984
MB 60 PG 88
MB 53 PG 40
MB 18 PG 88

END CONSTRUCTION
-Y7- Sta. 11 + 75.00

I, Donald E. Thomas, 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 01/08/2020 to 04/24/2020, and all coordinates are based on NAD83/2011;
That this survey was performed to meet the requirements of 21NCAC 56.1600 as
applicable.

This 24th day of April, 2020.
Donald E. Thomas
Professional Land Surveyor L-4706



PROJECT REFERENCE NO.	SHEET NO.
R-5021	RW19
Location and Surveys	
ESP ASSOCIATES, INC. 211 RACINE DRIVE, SUITE 101 WILMINGTON, NC 28403	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

NOTES:

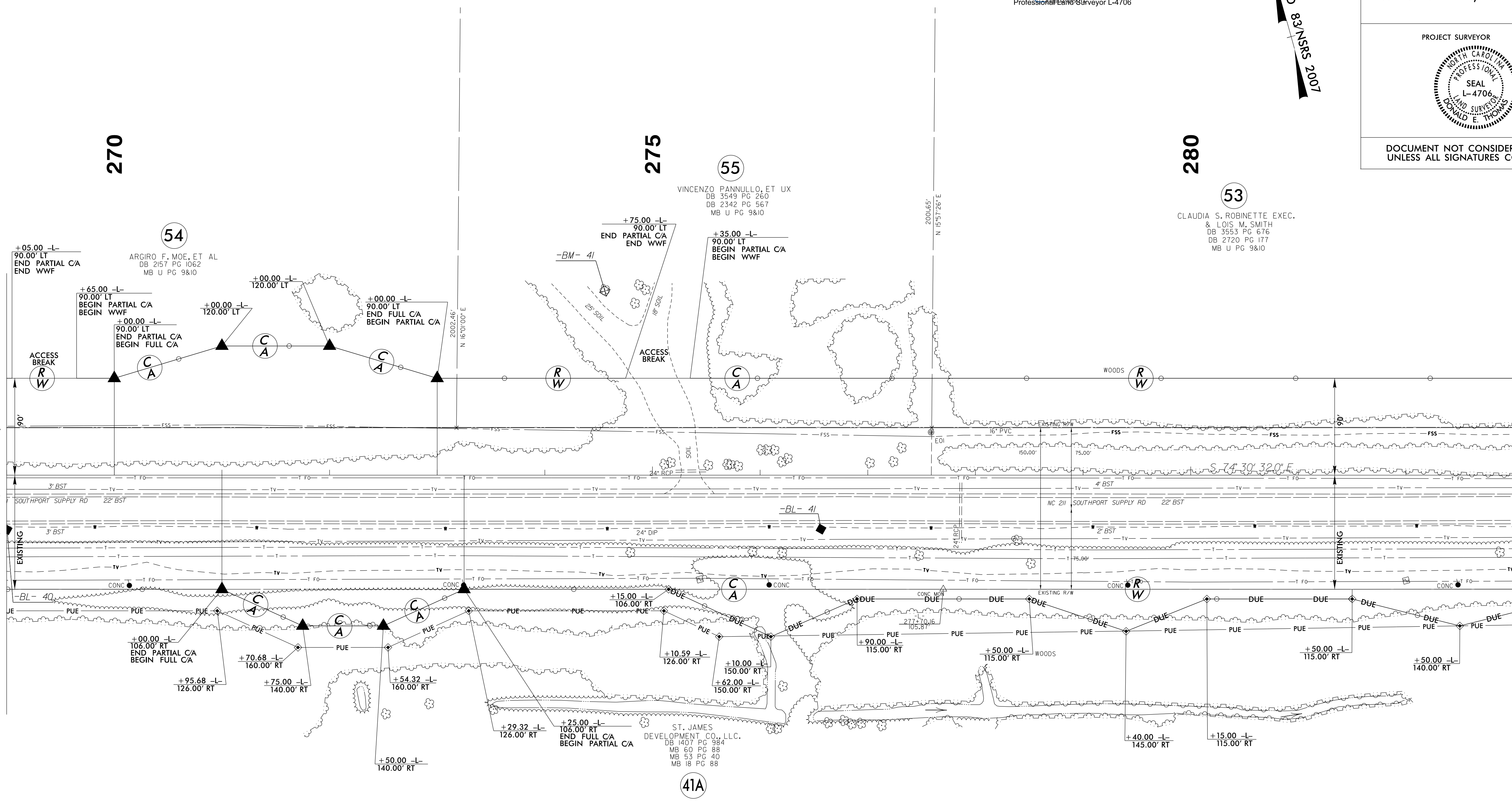
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED ____ TO ____.

6/2/19

REVISIONS

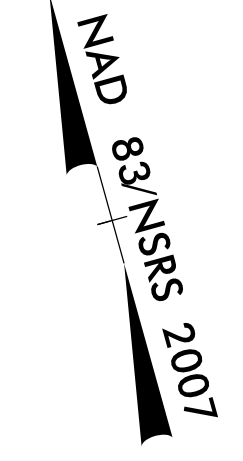
MATCH LINE -L- STA 269 + 00.00
SEE SHEET 19

DATE TIME DRAWN BY CHECKED BY



I, Donald E. Thomas, 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 01/08/2020 to 04/24/2020, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of April, 2020.
 Designed by:
Donald E. Thomas
 Professional Land Surveyor L-4706



PROJECT REFERENCE NO. R-5021	SHEET NO. RW20
Location and Surveys	
ESP ASSOCIATES, INC. 211 RACINE DRIVE, SUITE 101 WILMINGTON, NC 28403	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

270

275

280

54

55

53

VINCENZO PANNULLO, ET UX
 DB 3549 PG 260
 DB 2342 PG 567
 MB U PG 9&10

CLAUDIA S. ROBINETTE EXEC.
 & LOIS M. SMITH
 DB 3553 PG 676
 DB 2720 PG 177
 MB U PG 9&10

ST. JAMES
 DEVELOPMENT CO., LLC.
 DB 1407 PG 884
 MB 60 PG 88
 MB 53 PG 40
 MB 18 PG 88

41A

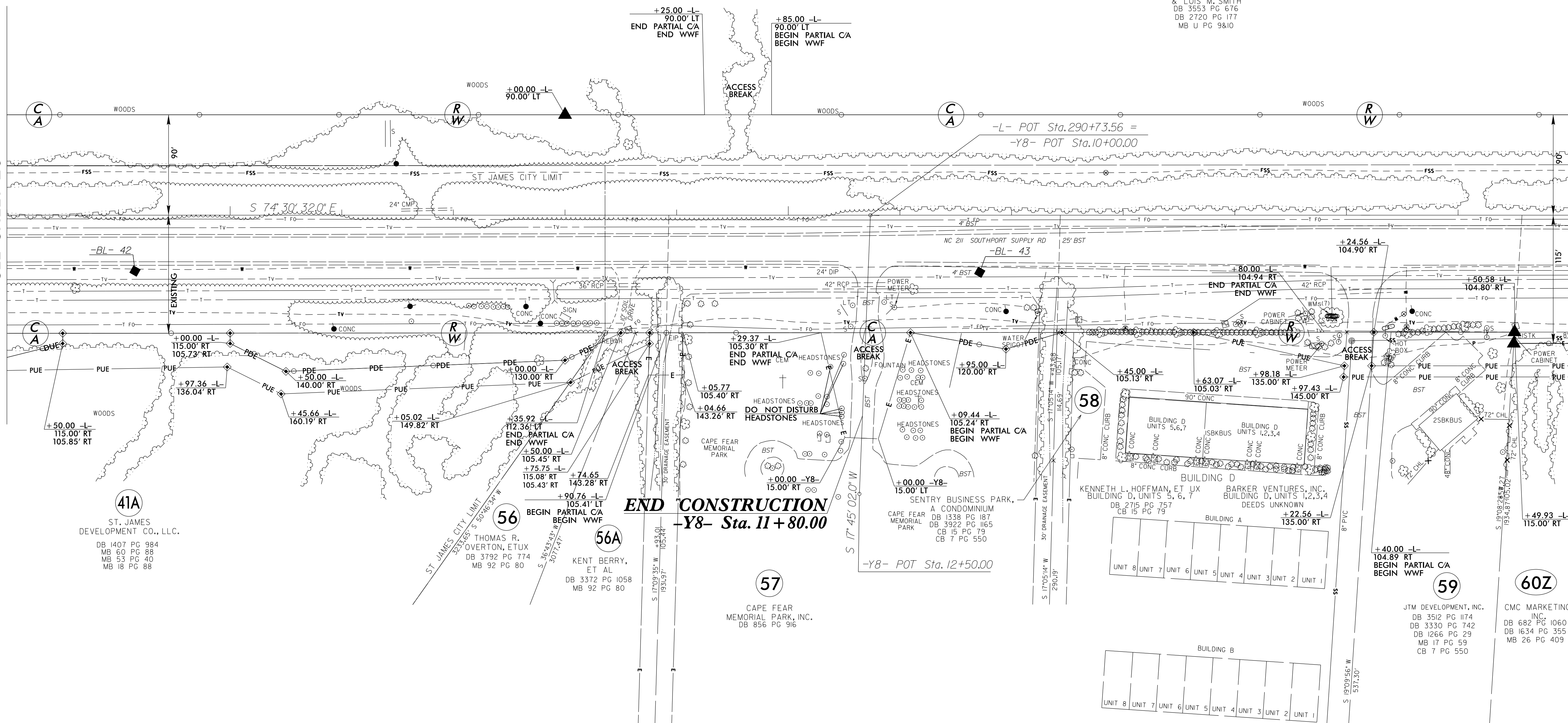
NOTES:

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 _____ TO _____.

6/2/19

REVISIONS

MATCH LINE -L- STA 283+00.00
SEE SHEET 20



41A
ST. JAMES
DEVELOPMENT CO., LLC.
DB 1407 PG 984
MB 60 PG 88
MB 53 PG 40
MB 18 PG 88

56
THOMAS R.
OVERTON, ETUX
DB 3792 PG 774
MB 92 PG 80

56A
KENT BERRY,
ET AL
DB 3372 PG 1058
MB 92 PG 80

57
CAPE FEAR
MEMORIAL PARK, INC.
DB 856 PG 916

58
SENTRY BUSINESS PARK,
A CONDOMINIUM
DB 1338 PG 187
DB 3922 PG 1165
CB 15 PG 79
CB 7 PG 550

59
KENNETH L. HOFFMAN, ET UX
BUILDING D, UNITS 5, 6, 7
DB 2715 PG 757
CB 15 PG 79

59
JTM DEVELOPMENT, INC.
DB 3512 PG 1174
DB 3330 PG 742
DB 1266 PG 29
MB 17 PG 59
CB 7 PG 550

60Z
CMC MARKETING,
INC.
DB 682 PG 1060
DB 1634 PG 355
MB 26 PG 409

I, Donald E. Thomas, 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 01/08/2020 to 04/24/2020, and all coordinates are based on NAD83/2011;
That this survey was performed to meet the requirements of 21NCAC 56.1600 as
applicable.
This 24th day of April, 2020.
Donald E. Thomas
Professional Land Surveyor L-4706

NAD 83/NSRS 2007

PROJECT REFERENCE NO.	SHEET NO.
R-5021	RW21
Location and Surveys	
ESP ASSOCIATES, INC. 211 RACINE DRIVE, SUITE 101 WILMINGTON, NC 28403	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

53

CLAUDIA S. ROBINETTE EXEC.
& LOIS M. SMITH
DB 3553 PG 676
DB 2720 PG 177
MB U PG 9&0

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 ____ TO ____.

Location and Surveys

LOCATION AND SURVEYS
DIVISION 3
5310 BARBADOS BLVD., SUITE 102
CASTLE HAYNE, NC 28429

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, Christopher J. Sawyer, 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 August 2021 to September 2021, and all coordinates are based on NAD83/NSRS 2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 2nd day of November, 2021.

DocuSigned by:
Christopher Sawyer
9700082E1D01487
Professional Land Surveyor L-4526

-Y9A-
PI Sta 10+81.45 PI Sta 11+21.57
Δ = 12° 49' 01.6" (LT) Δ = 12° 43' 28.9" (RT)
D = 31' 49" 51.6" D = 31' 49" 51.6"
L = 40.27' L = 39.98'
T = 20.22' T = 20.07'
R = 180.00' R = 180.00'
SE = SEE PLANS SE = SEE PLANS

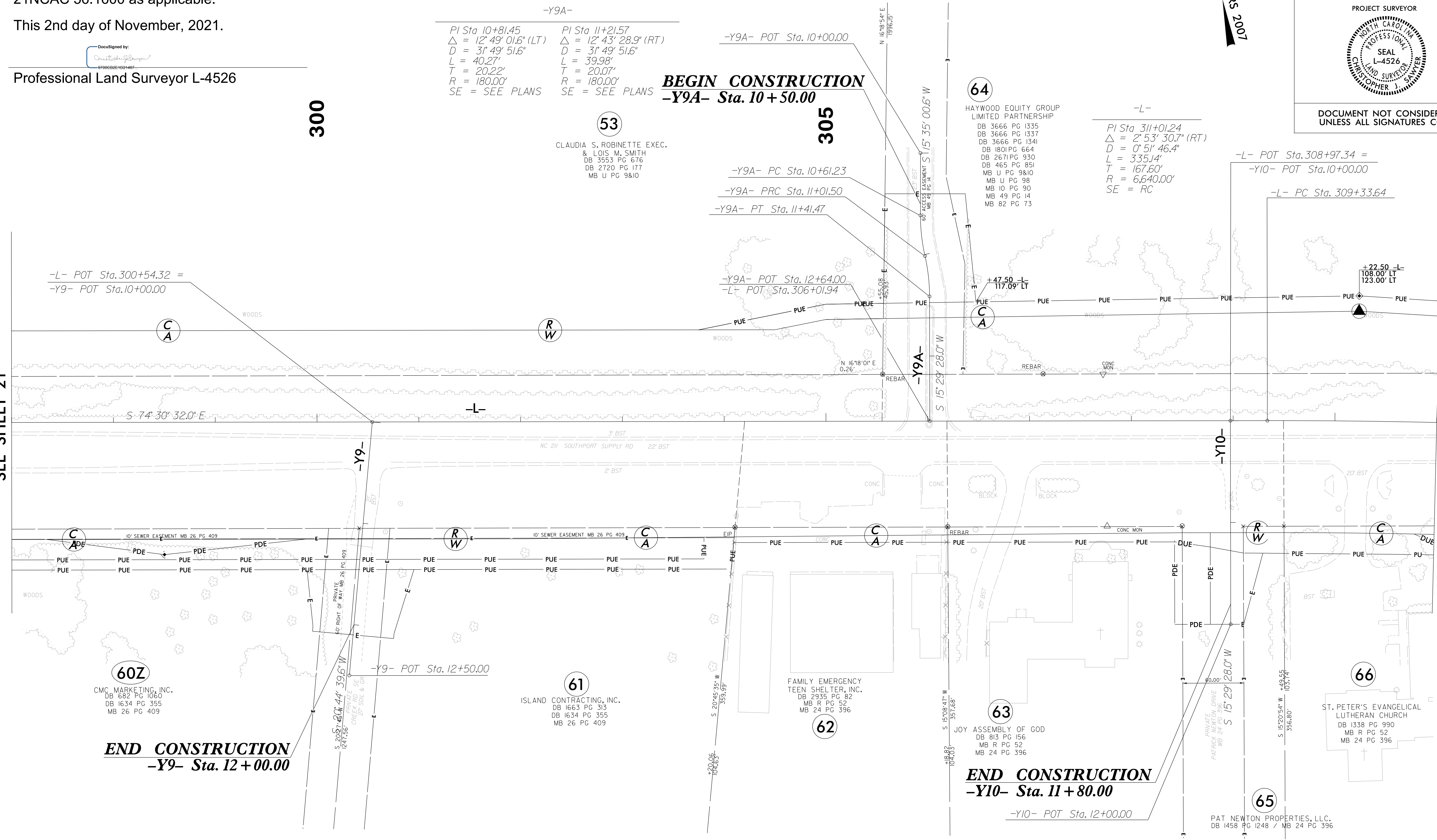
BEGIN CONSTRUCTION
-Y9A- Sta. 10 + 50.00

-L-
PI Sta 311+01.24
Δ = 2° 53' 30.7" (RT)
D = 0' 51" 46.4"
L = 335.14'
T = 167.60'
R = 6,640.00'
SE = RC

REVISIONS

MATCH LINE -L- STA 297 + 00.00
SEE SHEET 21

MATCH LINE -L- STA 311 + 00.00
SEE REVISED SHEET 23



60Z
CMC MARKETING, INC.
DB 682 PG 1060
DB 1634 PG 355
MB 26 PG 409

61
ISLAND CONTRACTING, INC.
DB 1663 PG 313
DB 1634 PG 355
MB 26 PG 409

62
FAMILY EMERGENCY
TEEN SHELTER, INC.
DB 2935 PG 82
MB R PG 52
MB 24 PG 396

63
JOY ASSEMBLY OF GOD
DB 813 PG 156
MB R PG 52
MB 24 PG 396

END CONSTRUCTION
-Y10- Sta. 11 + 80.00

65
PAT NEWTON PROPERTIES, LLC.
DB 1458 PG 1248 / MB 24 PG 396

66
ST. PETER'S EVANGELICAL
LUTHERAN CHURCH
DB 1338 PG 990
MB R PG 52
MB 24 PG 396

NOTES:

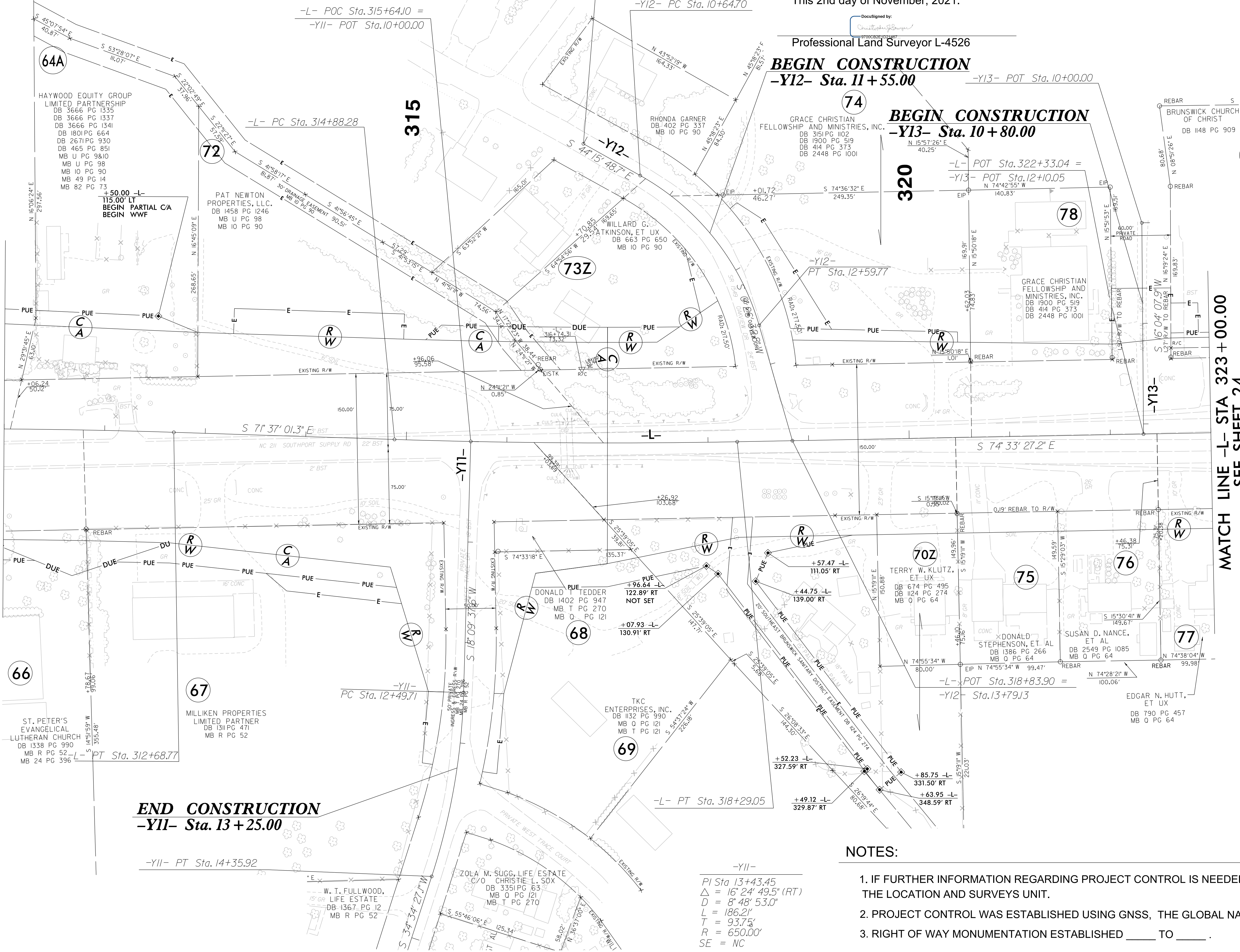
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED _____ TO _____.

MATCH LINE -L- STA 311+00.00
SEE REVISED SHEET 22

MATCH LINE -L- STA 323+00.00
SEE SHEET 24

-L-
 PI Sta 311+01.24 Δ = 2° 53' 30.7" (RT) D = 0' 51' 46.4" L = 335.14' T = 167.60' R = 6,640.00' SE = RC
 PI Sta 316+58.70 Δ = 2° 56' 25.9" (LT) D = 0' 51' 46.4" L = 340.78' T = 170.43' R = 6,640.00' SE = RC

-Y12-
 PI Sta 11+67.51 Δ = 44° 42' 21.4" (RT) D = 22' 55' 05.9" L = 195.07' T = 102.80' R = 250.00' SE = SEE PLANS



I, Christopher J. Sawyer, 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 August 2021 to September 2021, and all coordinates are based on NAD83/NSRS 2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 2nd day of November, 2021.

DocuSigned by:
 Christopher J. Sawyer
 Professional Land Surveyor L-4526

BEGIN CONSTRUCTION
 -Y12- Sta. 11+55.00

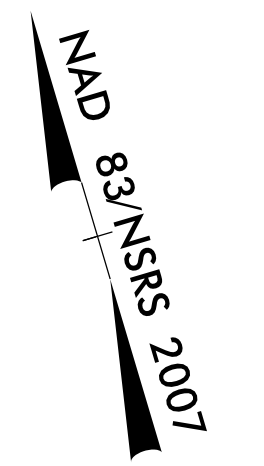
BEGIN CONSTRUCTION
 -Y13- Sta. 10+80.00

END CONSTRUCTION
 -Y11- Sta. 13+25.00

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 _____ TO _____.

PROJECT REFERENCE NO. R-5021	SHEET NO. RW23-REV#2
Location and Surveys	
LOCATIONS AND SURVEYS DIVISION 3 5310 BARBADOS BLVD, #102 CASTLE HAYNE, NC 28429 (910)341-2280	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



-Y11-
 PI Sta 13+43.45 Δ = 16° 24' 49.5" (RT) D = 8' 48' 53.0" L = 186.21' T = 93.75' R = 650.00' SE = NC

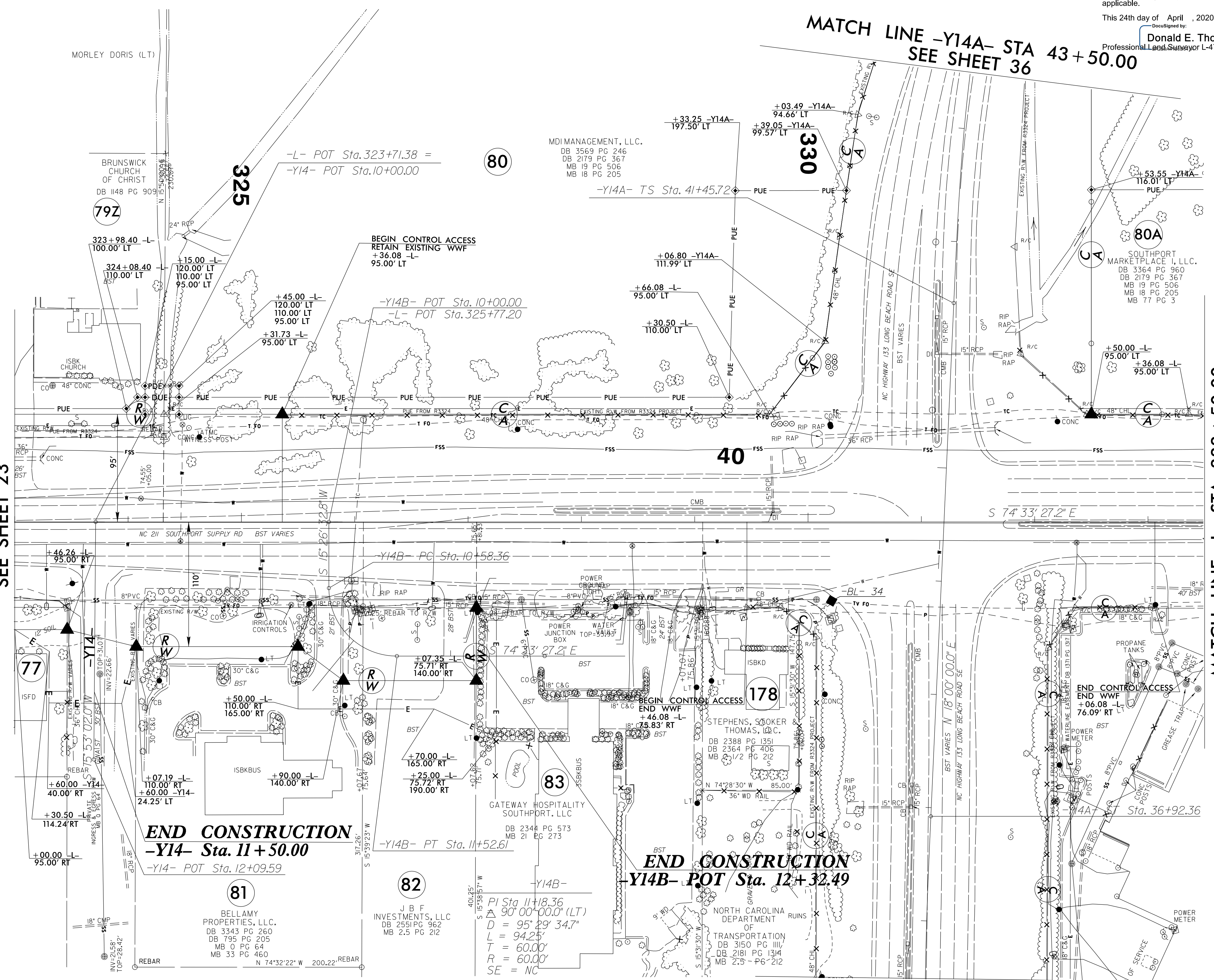
6/2/19

REVISIONS

SYSTEM: 11/15/2019
DRAWN: DONALD E. THOMAS
CHECKED: DONALD E. THOMAS
DATE: 6/2/19

MATCH LINE -L- STA 323 + 00.00
SEE SHEET 23

6/2/19



MATCH LINE -L- STA 323 + 00.00
SEE SHEET 23

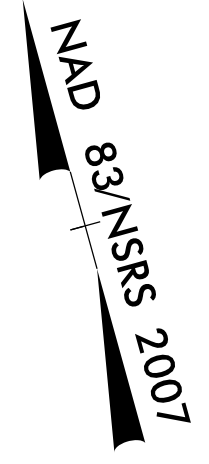
MATCH LINE -L- STA 333 + 50.00
SEE SHEET 24A

MATCH LINE -Y14A- STA 35 + 50.00
SEE SHEET 35

I, Donald E. Thomas, 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 01/08/2020 to 04/24/2020, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of April, 2020.

Donald E. Thomas
Professional Land Surveyor L-4706



PROJECT REFERENCE NO.	SHEET NO.
R-5021	RW24
Location and Surveys	
ESP ASSOCIATES, INC. 211 RACINE DRIVE, SUITE 101 WILMINGTON, NC 28403	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

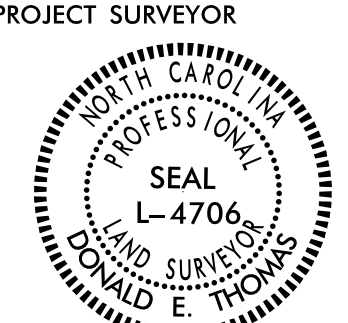
NOTES:

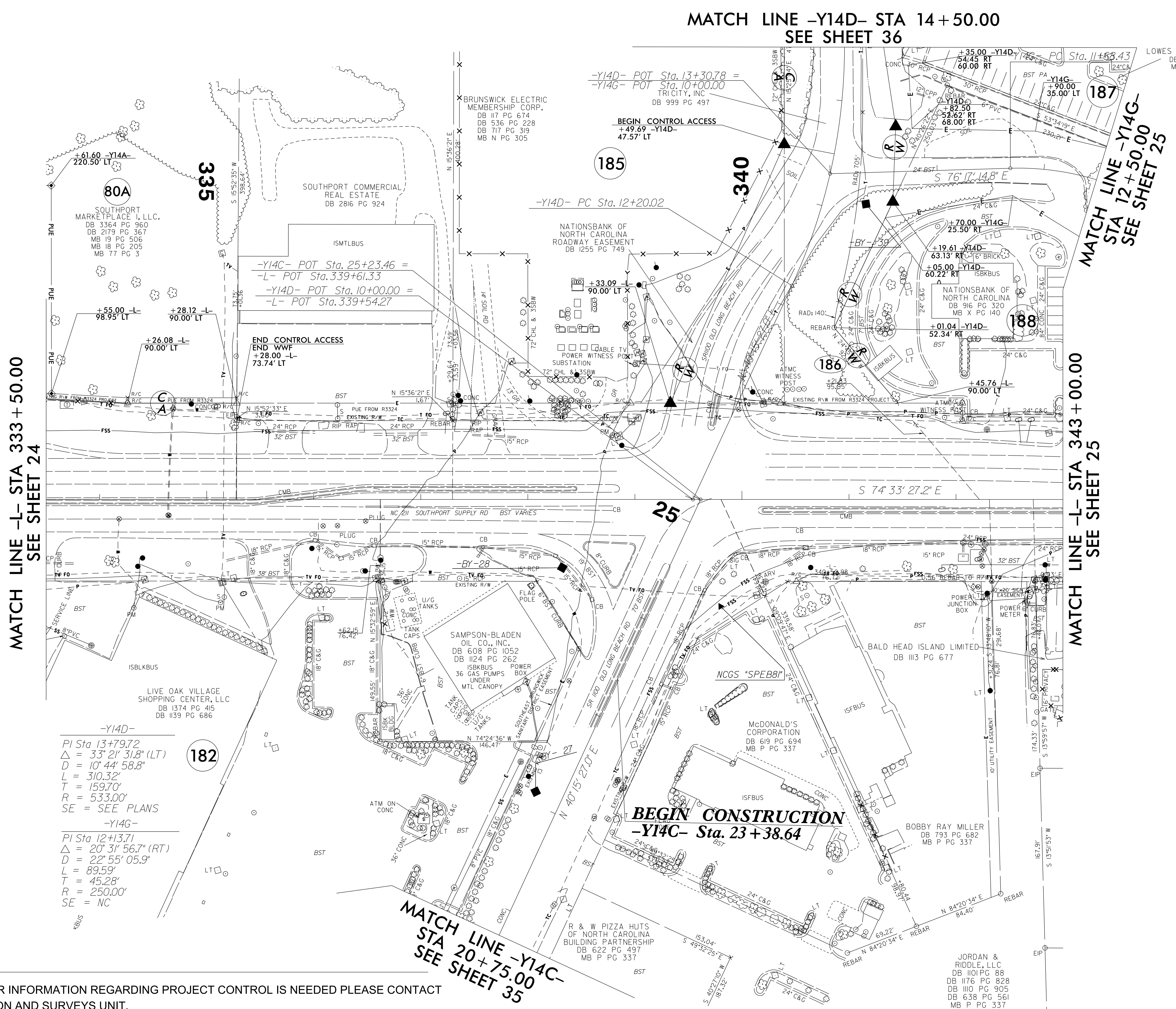
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED ____ TO ____.

6/2/19

REVISIONS

SYTIME
DODSON
BURNHAM

PROJECT REFERENCE NO.	SHEET NO.
R-5021	RW24A
Location and Surveys	
ESP ASSOCIATES, INC. 211 RACINE DRIVE, SUITE 101 WILMINGTON, NC 28403	
PROJECT SURVEYOR  DONALD E. THOMAS	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



-Y14D-
 PI Sta 13+79.72
 $\Delta = 33' 21' 31.8''$ (LT)
 $D = 10' 44' 58.8''$
 $L = 310.32'$
 $T = 159.70'$
 $R = 533.00'$
 SE = SEE PLANS

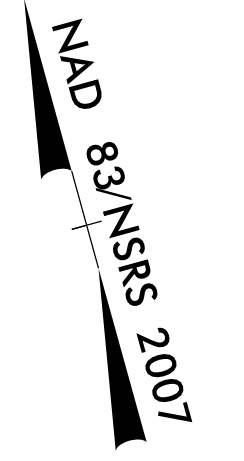
-Y14G-
 PI Sta 12+13.71
 $\Delta = 20' 31' 56.7''$ (RT)
 $D = 22' 55' 05.9''$
 $L = 89.59'$
 $T = 45.28'$
 $R = 250.00'$
 SE = NC

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 ____ TO ____.

I, Donald E. Thomas, 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 01/08/2020 to 04/24/2020, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of April, 2020.
 Donald E. Thomas
 Professional Land Surveyor L-4706

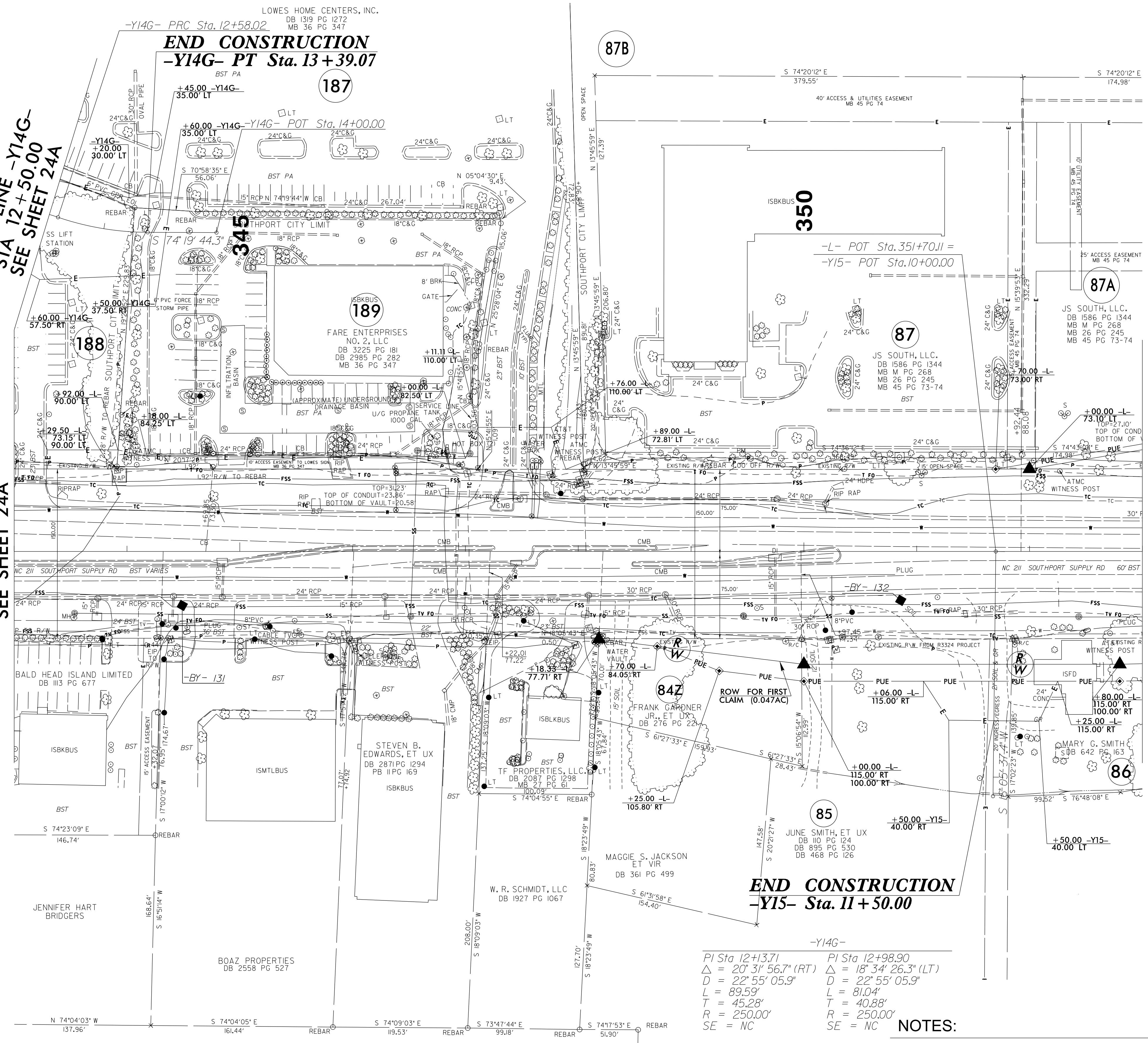


6/2/19

REVISIONS

DATE TIME
BY
DESCRIPTION

MATCH LINE -Y14G- STA 12+50.00 SEE SHEET 24A
MATCH LINE -L- STA 343+00.00 SEE SHEET 24A



-Y14G-
PI Sta 12+13.71 PI Sta 12+98.90
Δ = 20° 31' 56.7" (RT) Δ = 18° 34' 26.3" (LT)
D = 22° 55' 05.9" D = 22° 55' 05.9"
L = 89.59' L = 81.04'
T = 45.28' T = 40.88'
R = 250.00' R = 250.00'
SE = NC SE = NC

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 ____ TO ____.

PROJECT REFERENCE NO. R-5021 SHEET NO. RW25
Location and Surveys
ESP ASSOCIATES, INC.
211 RACINE DRIVE, SUITE 101
WILMINGTON, NC 28403
PROJECT SURVEYOR

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, Donald E. Thomas, 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 01/09/2020 to 04/24/2020, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.
This 24th day of April, 2020.
Donald E. Thomas
Professional Land Surveyor L-4706

MATCH LINE -L- STA 353+00.00 SEE SHEET 26

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.
- RIGHT OF WAY MONUMENTATION ESTABLISHED _____ TO _____.

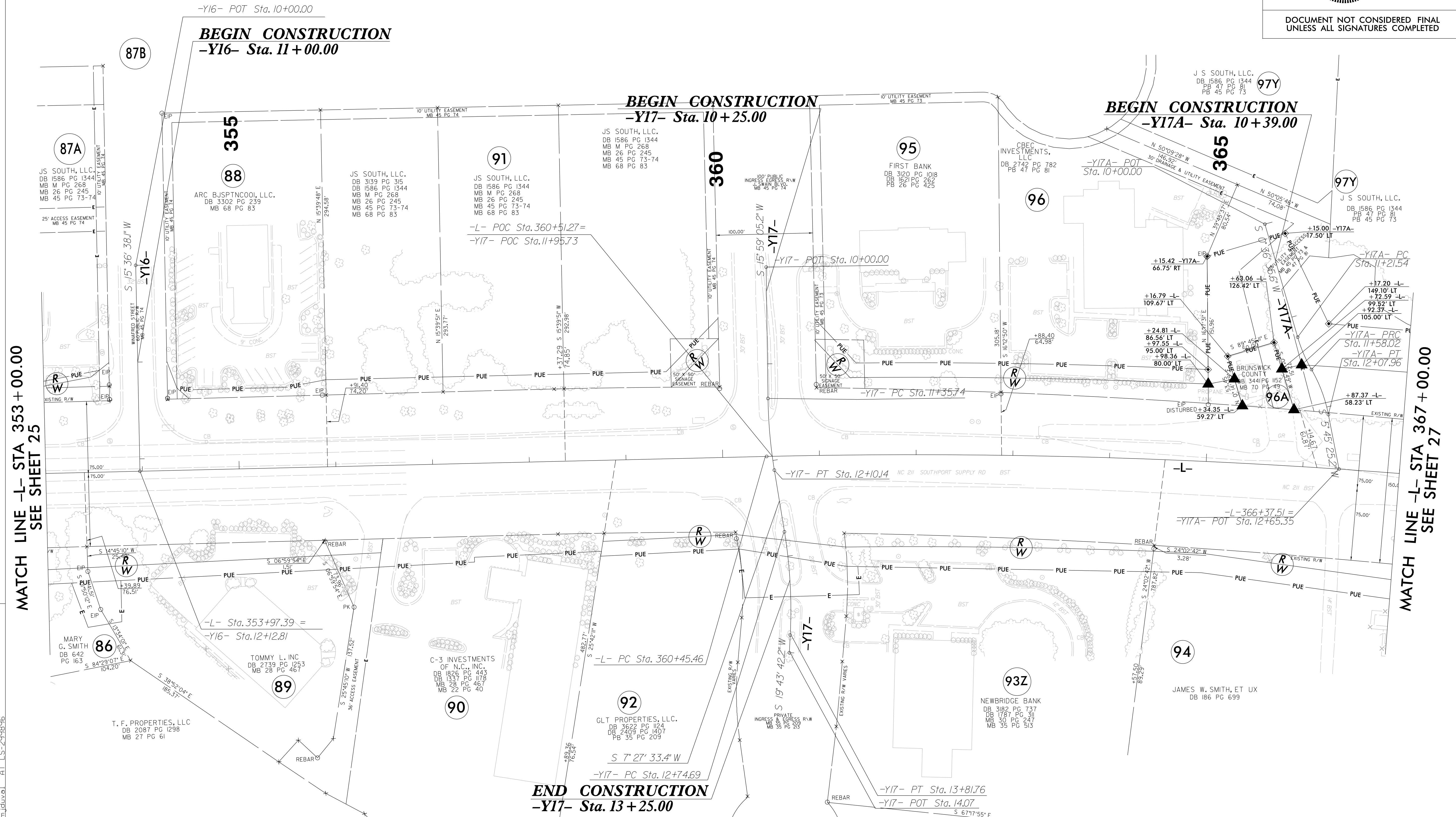
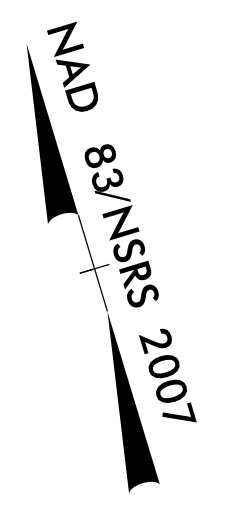
-Y17A-		-Y17-		-L-	
PI Sta 11+39.87	PI Sta 11+83.22	PI Sta 11+73.00	PI Sta 13+28.43	PI Sta 374+4.38	
$\Delta = 13^{\circ} 55' 52.7''$ (LT)	$\Delta = 19^{\circ} 04' 42.3''$ (RT)	$\Delta = 8^{\circ} 31' 31.8''$ (LT)	$\Delta = 12^{\circ} 16' 08.9''$ (RT)	$\Delta = 23^{\circ} 51' 25.5''$ (RT)	
D = 38' 11" 49.9"	D = 38' 11" 49.9"	D = 11' 27" 33.0"	D = 11' 27" 33.0"	D = 0' 53" 03.1"	
L = 36.47'	L = 49.95'	L = 74.40'	L = 107.07'	L = 2,698.17'	
T = 18.33'	T = 25.21'	T = 37.27'	T = 53.74'	T = 1,368.92'	
R = 150.00'	R = 150.00'	R = 500.00'	R = 500.00'	R = 6,480.00'	
SE = SEE PLANS	SE = SEE PLANS	SE = SEE PLANS	SE = SEE PLANS	SE = RC	

I, Christopher J. Sawyer, 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 August 2021 to September 2021, and all coordinates are based on NAD83/NSRS 2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 2nd day of November, 2021.

DocuSigned by:
 Christopher J Sawyer
 Professional Land Surveyor L-4526

PROJECT REFERENCE NO.	SHEET NO.
R-5021	RW26-REV
Location and Surveys	
LOCATIONS AND SURVEYS DIVISION 3 5310 BARBADOS BLVD, #102 CASTLE HAYNE, NC 28429 (910)341-2280	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



REVISIONS

MATCH LINE -L- STA 353 + 00.00
SEE SHEET 25

MATCH LINE -L- STA 367 + 00.00
SEE SHEET 27

C:\NOV-2021\5021\Projects\VRURAL_Brunswick Co\5021\Working\RW Sheets\211022 revised rw sheets\R-5021\L-RW26-REV.dgn

6/2/19


REVISIONS

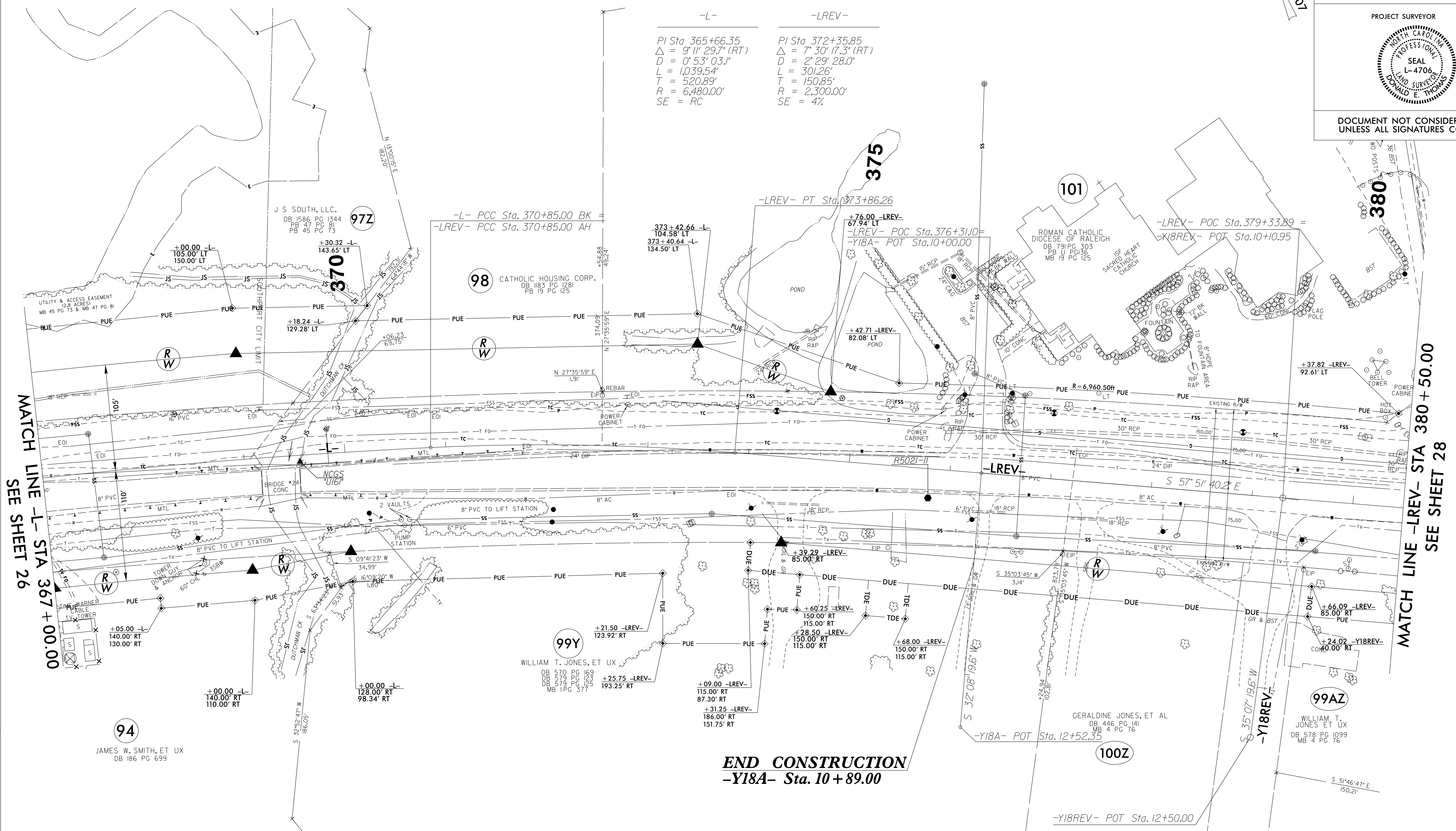
SYTIME
CONDITIONS
BULGERNAME

I, Donald E. Thomas, 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 01/08/2020 to 04/24/2020, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of April, 2020.
Donald E. Thomas
Professional Land Surveyor L-4706

NAD 83/NRS 2007

PROJECT REFERENCE NO.	R-5021	SHEET NO.	RW27
Location and Surveys			
ESP ASSOCIATES, INC. 211 RACINE DRIVE, SUITE 101 WILMINGTON, NC 28403			
PROJECT SURVEYOR			
			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			



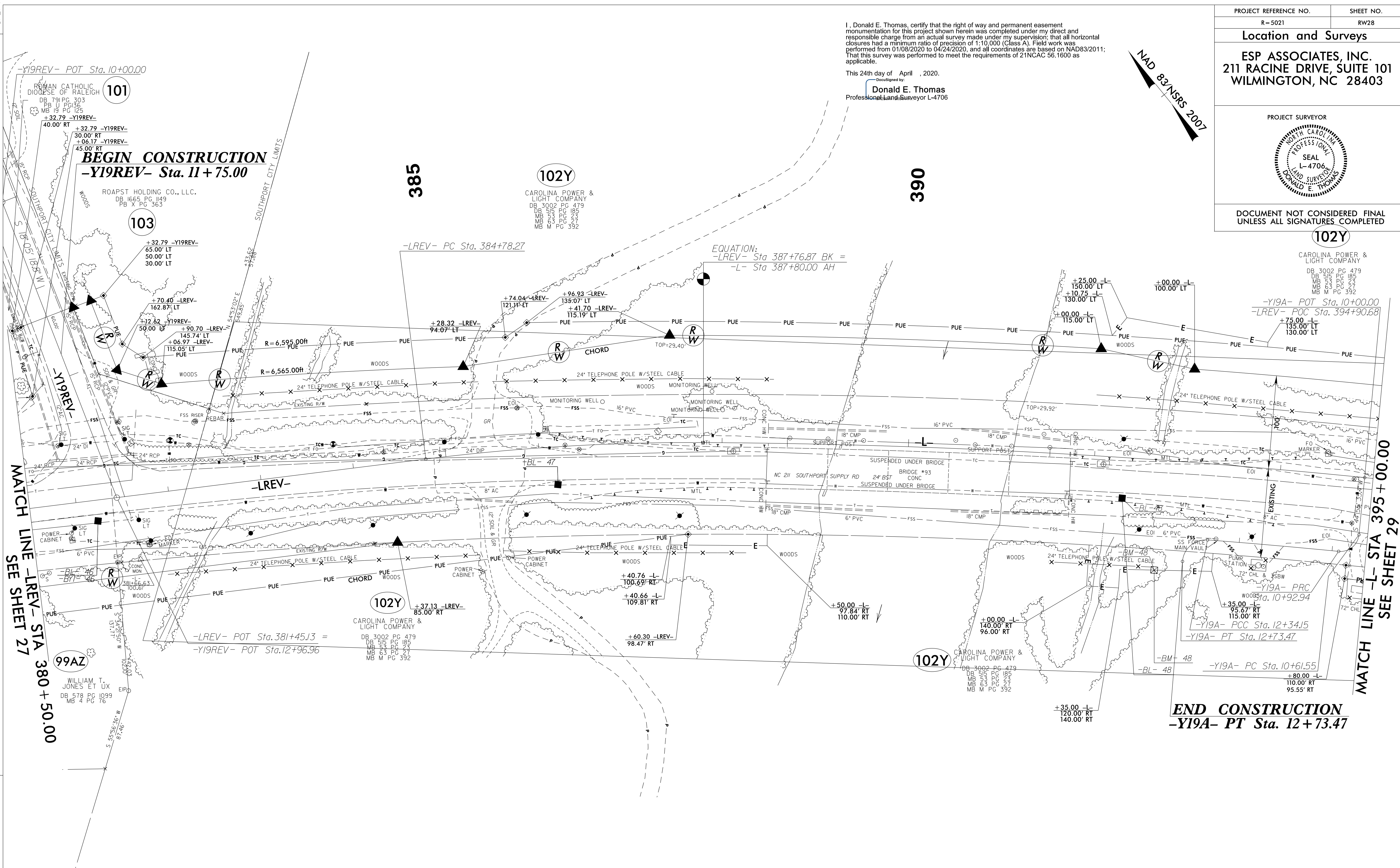
-L-	-LREV-
PI Sta 365+66.35	PI Sta 372+35.85
$\Delta = 9^{\circ} 11' 29.7''$ (RT)	$\Delta = 7^{\circ} 30' 17.3''$ (RT)
$D = 0^{\circ} 53' 03.1''$	$D = 2^{\circ} 29' 28.0''$
$L = 1,039.54'$	$L = 301.26'$
$T = 520.89'$	$T = 150.85'$
$R = 6,480.00'$	$R = 2,300.00'$
$SE = RC$	$SE = 4\%$

NOTES:

1. IF FURTHER INFORMATION 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 ____ TO ____.

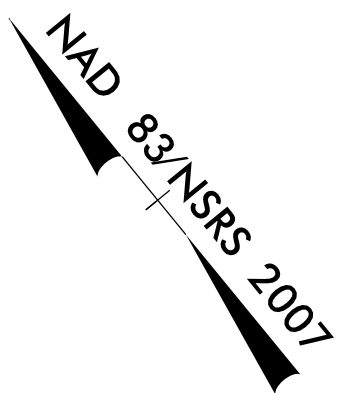
6/2/09

REVISIONS



I, Donald E. Thomas, 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 01/08/2020 to 04/24/2020, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of April, 2020.
 Documented by:
Donald E. Thomas
 Professional Land Surveyor L-4706

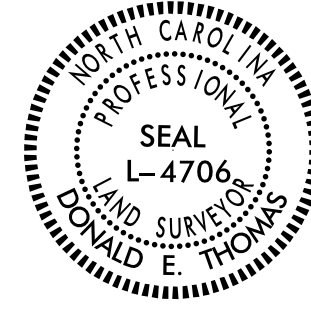


PROJECT REFERENCE NO.	SHEET NO.
R-5021	RW28

Location and Surveys

ESP ASSOCIATES, INC.
 211 RACINE DRIVE, SUITE 101
 WILMINGTON, NC 28403

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

-Y19REV- POT Sta. 10+00.00

101
 ROMAN CATHOLIC
 DIOCESE OF RALEIGH
 DB 791 PG 303
 MB U PG 36
 MS 15 PG 125

+32.79 -Y19REV-
 40.00' RT
 +32.79 -Y19REV-
 30.00' RT
 +06.17 -Y19REV-
 45.00' RT

BEGIN CONSTRUCTION
 -Y19REV- Sta. 11+75.00

103
 ROAPST HOLDING CO., LLC.
 DB 1665 PG 149
 PB X PG 363

+32.79 -Y19REV-
 65.00' LT
 50.00' LT
 30.00' LT

385

102Y
 CAROLINA POWER &
 LIGHT COMPANY
 DB 3002 PG 479
 MB 515 PG 195
 MB 63 PG 27
 MB M PG 392

390

-LREV- PC Sta. 384+78.27

EQUATION:
 -LREV- Sta 387+76.87 BK =
 -L- Sta 387+80.00 AH

102Y
 CAROLINA POWER &
 LIGHT COMPANY
 DB 3002 PG 479
 MB 515 PG 195
 MB 63 PG 27
 MB M PG 392

-Y19A- POT Sta. 10+00.00
 -LREV- PC Sta. 394+90.68

MATCH LINE -LREV- STA 380 + 50.00
 SEE SHEET 27

MATCH LINE -L- STA 395 + 00.00
 SEE SHEET 29

END CONSTRUCTION
 -Y19A- PT Sta. 12 + 73.47

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 ____ TO ____.

\$\$\$SYTIME\$\$\$
 \$\$\$EDITION\$\$\$
 \$\$\$\$\$\$

6/22/19

REVISIONS

PROJECT TIME: 08:00 AM
DRAWN BY: J. THOMAS
CHECKED BY: J. THOMAS
DATE: 06/22/19

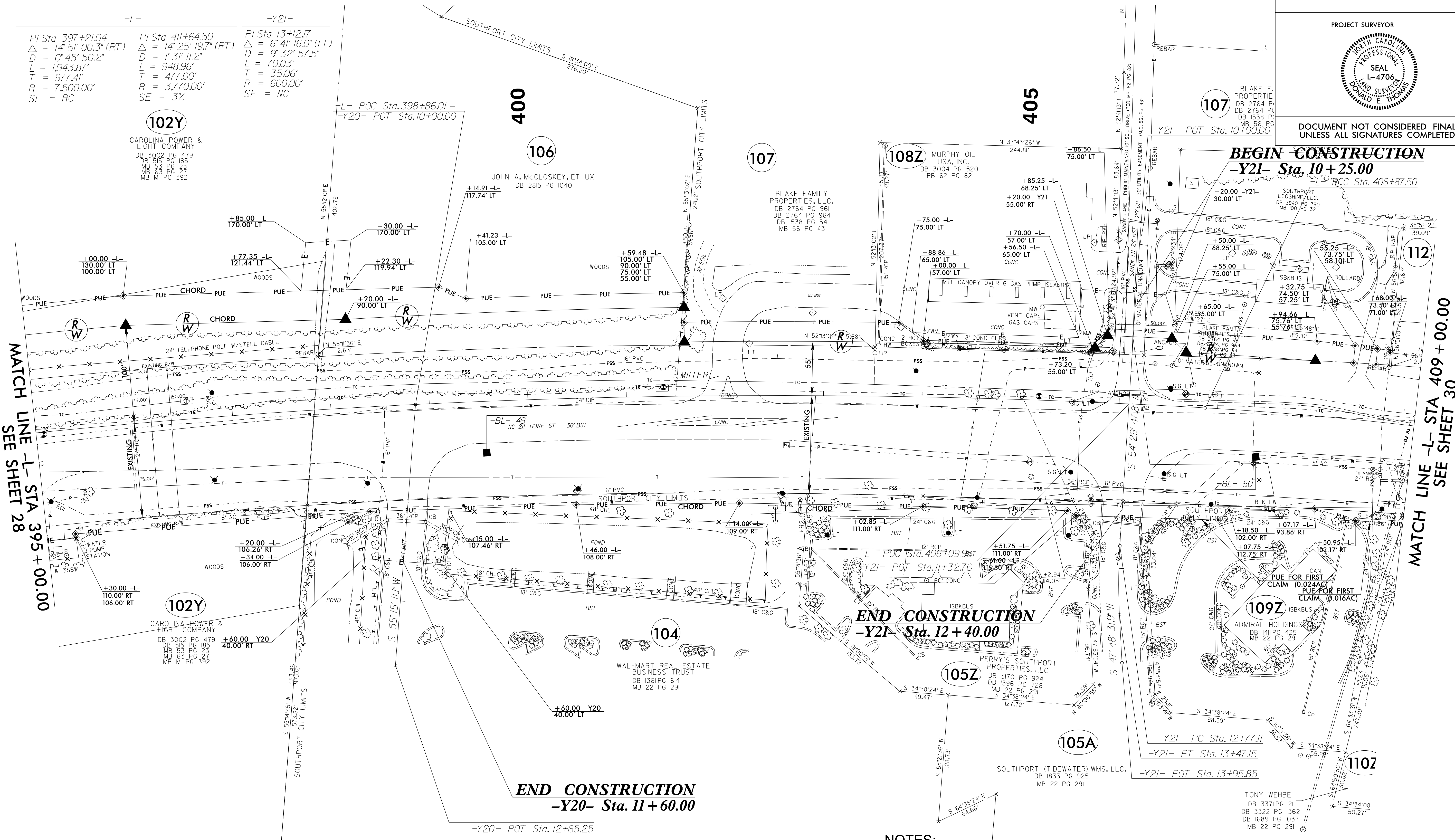
-L-	-Y21-	-Y21-
PI Sta 397+21.04	PI Sta 411+64.50	PI Sta 13+12.17
$\Delta = 14' 51'' 00.3''$ (RT)	$\Delta = 14' 25'' 19.7''$ (RT)	$\Delta = 6' 41'' 16.0''$ (LT)
$D = 0' 45'' 50.2''$	$D = 1' 31'' 11.2''$	$D = 9' 32'' 57.5''$
$L = 1,943.87'$	$L = 948.96'$	$L = 70.03'$
$T = 977.41'$	$T = 477.00'$	$T = 35.06'$
$R = 7,500.00'$	$R = 3,770.00'$	$R = 600.00'$
$SE = RC$	$SE = 3\%$	$SE = NC$

102Y

CAROLINA POWER & LIGHT COMPANY
 DB 3002 PG 479
 DB 315 PG 185
 MB 23 PG 53
 MB 63 PG 27
 MB M PG 352

102Y

CAROLINA POWER & LIGHT COMPANY
 DB 3002 PG 479
 DB 315 PG 185
 MB 23 PG 53
 MB 63 PG 27
 MB M PG 352



NAD 83/NSRS 2007

I, Donald E. Thomas, 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 01/08/2020 to 04/24/2020, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

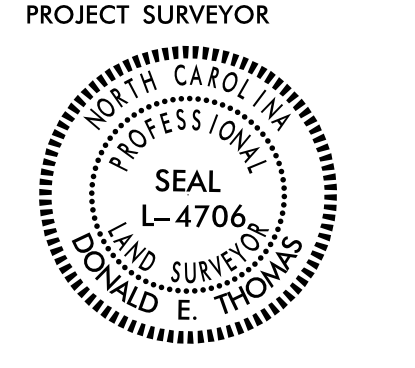
This 24th day of April, 2020.

Donald E. Thomas
 Professional Land Surveyor L-4706

PROJECT REFERENCE NO.	SHEET NO.
R-5021	RW29
Location and Surveys	
ESP ASSOCIATES, INC. 211 RACINE DRIVE, SUITE 101 WILMINGTON, NC 28403	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

- 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 _____ TO _____.

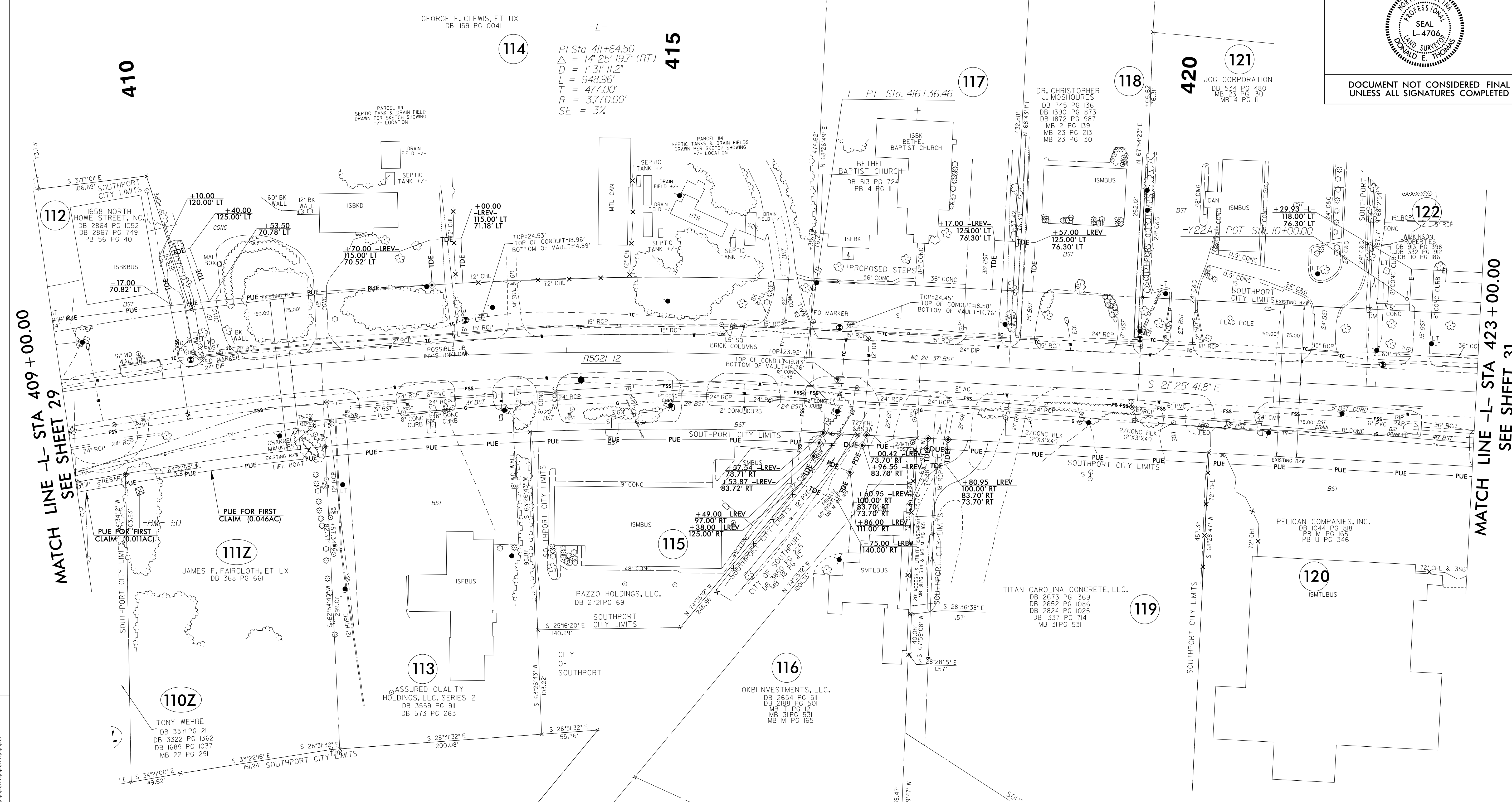
6/2/19

PROJECT REFERENCE NO.	SHEET NO.
R-5021	RW30
Location and Surveys	
ESP ASSOCIATES, INC. 211 RACINE DRIVE, SUITE 101 WILMINGTON, NC 28403	
PROJECT SURVEYOR	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Donald E. Thomas, 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 01/08/2020 to 04/24/2020, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of April, 2020.

Donald E. Thomas
Professional Land Surveyor L-4706



114
 $PI\ Sta\ 411+64.50$
 $\Delta = 14^{\circ}25'19.7\" (RT)$
 $D = 1^{\circ}31'11.2\"$
 $L = 948.96'$
 $T = 477.00'$
 $R = 3,770.00'$
 $SE = 3\%$

MATCH LINE -L- STA 409 + 00.00
SEE SHEET 29

MATCH LINE -L- STA 423 + 00.00
SEE SHEET 31

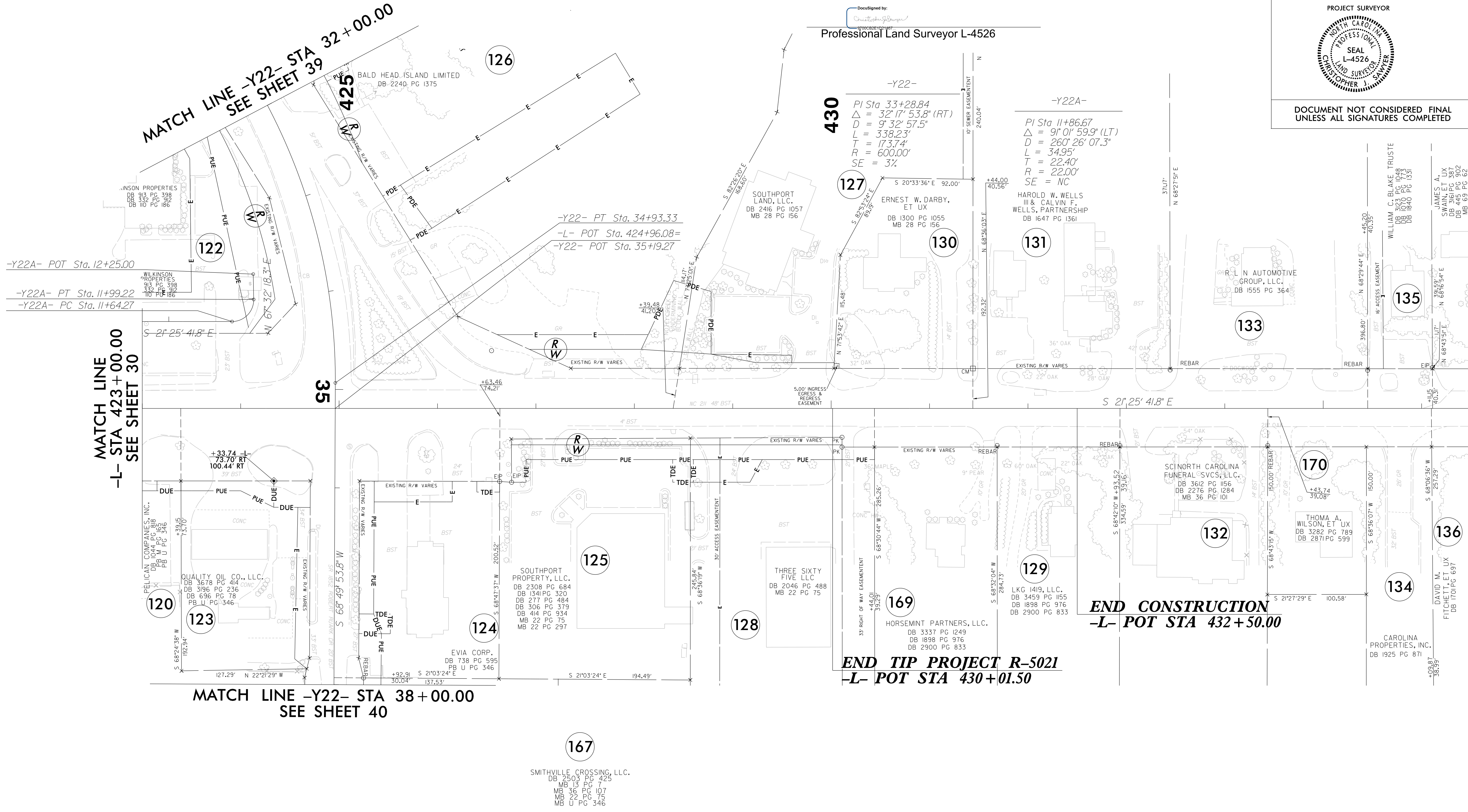
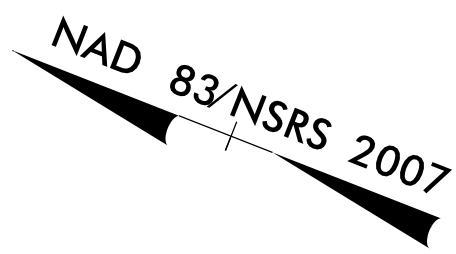
NOTES:

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 _____ TO _____.

REVISIONS

SYSTEM: 11/15/2019
 DRAWN: J. BERNARD
 CHECKED: J. BERNARD
 DATE: 11/15/2019

REVISIONS



I, Christopher J. Sawyer, 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 August 2021 to September 2021, and all coordinates are based on NAD83/NSRS 2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24 day of September, 2021.
Professional Land Surveyor L-4526

PROJECT REFERENCE NO.	SHEET NO.
R-5021	RW31-REV
Location and Surveys	
LOCATIONS AND SURVEYS DIVISION 3 5310 BARBADOS BLVD, #102 CASTLE HAYNE, NC 28429 (910)341-2280	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

430

PI Sta 33+28.84
 $\Delta = 32'17''53.8'' (RT)$
 $D = 9'32'57.5''$
 $L = 338.23'$
 $T = 173.74'$
 $R = 600.00'$
 $SE = 3\%$

PI Sta 11+86.67
 $\Delta = 9'01'59.9'' (LT)$
 $D = 260'26'07.3''$
 $L = 34.95'$
 $T = 22.40'$
 $R = 22.00'$
 $SE = NC$

127

130

131

133

135

120

123

124

125

128

169

129

132

134

136

167

END CONSTRUCTION
-L- POT STA 432+50.00

END TIP PROJECT R-5021
-L- POT STA 430+01.50

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 ____ TO ____.

6/2/19

REVISIONS

DATE TIME DRAWN BY CHECKED BY DATE TIME DRAWN BY CHECKED BY

I, Donald E. Thomas, 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 01/08/2020 to 04/24/2020, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of April, 2020.
Donald E. Thomas
Professional Land Surveyor L-4706

NAD 83/NSRS 2007

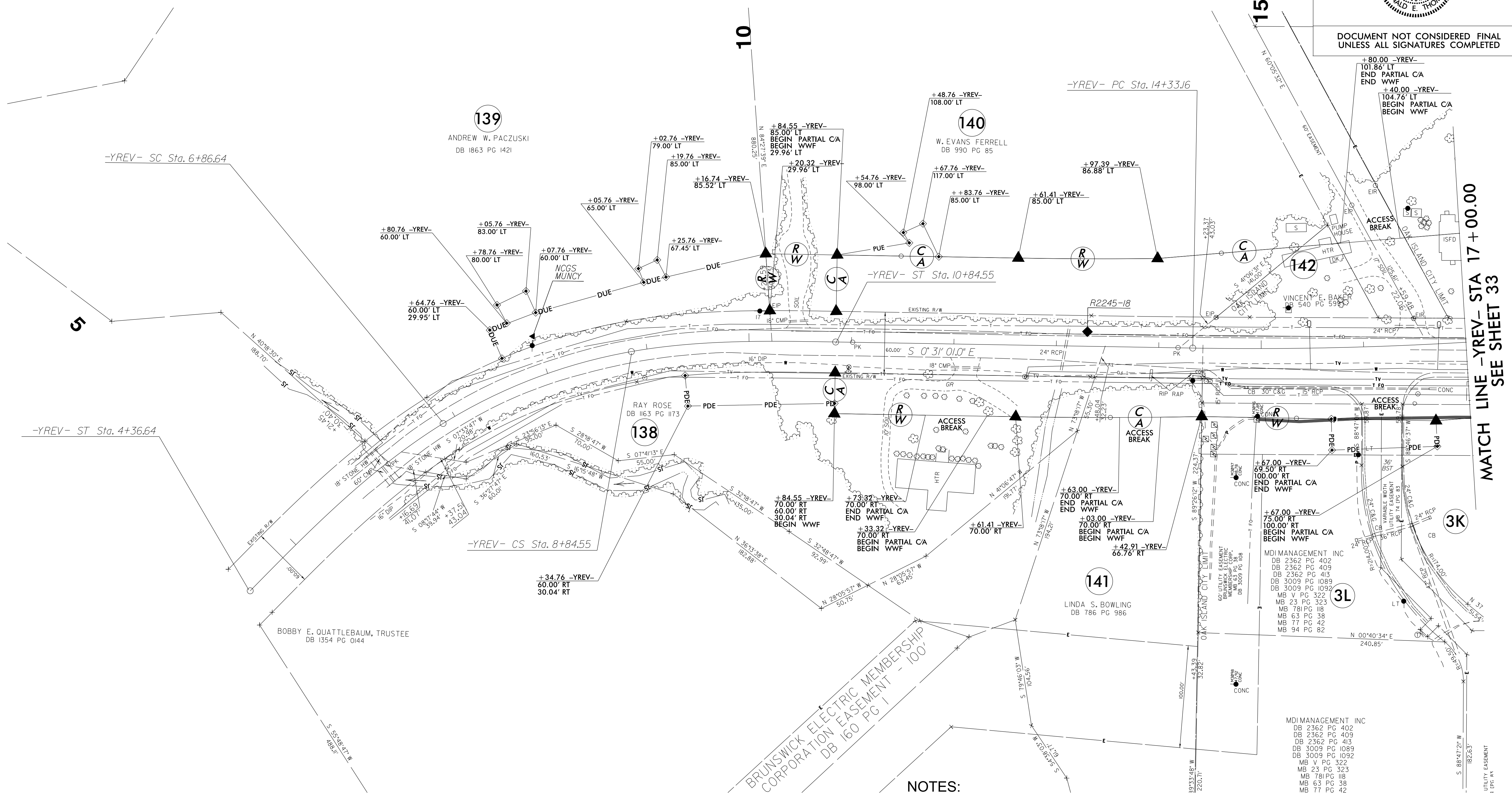
PROJECT REFERENCE NO.	SHEET NO.
R-5021	RW32
Location and Surveys	
ESP ASSOCIATES, INC. 211 RACINE DRIVE, SUITE 101 WILMINGTON, NC 28403	

PROJECT SURVEYOR



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-YREV-			
Pls Sta 6+03.82	Pl Sta 7+86.81	Pls Sta 9+51.45	Pl Sta 18+41.89
Os = 13° 45' 00.0"	Δ = 2' 46' 11.3" (RT)	Os = 11° 00' 00.0"	Δ = 13° 23' 50.4" (LT)
Ls = 250.00'	D = 11' 00' 00.0"	Ls = 200.00'	D = 1' 38' 47.1"
LT = 167.17'	L = 197.91'	LT = 133.59'	L = 813.72'
ST = 83.79'	T = 100.16'	ST = 66.90'	T = 408.72'
	R = 520.87'		R = 3,480.00'
	SE = 6%		SE = 3%
	V = 40MPH		V = 50MPH



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 ____ TO ____.

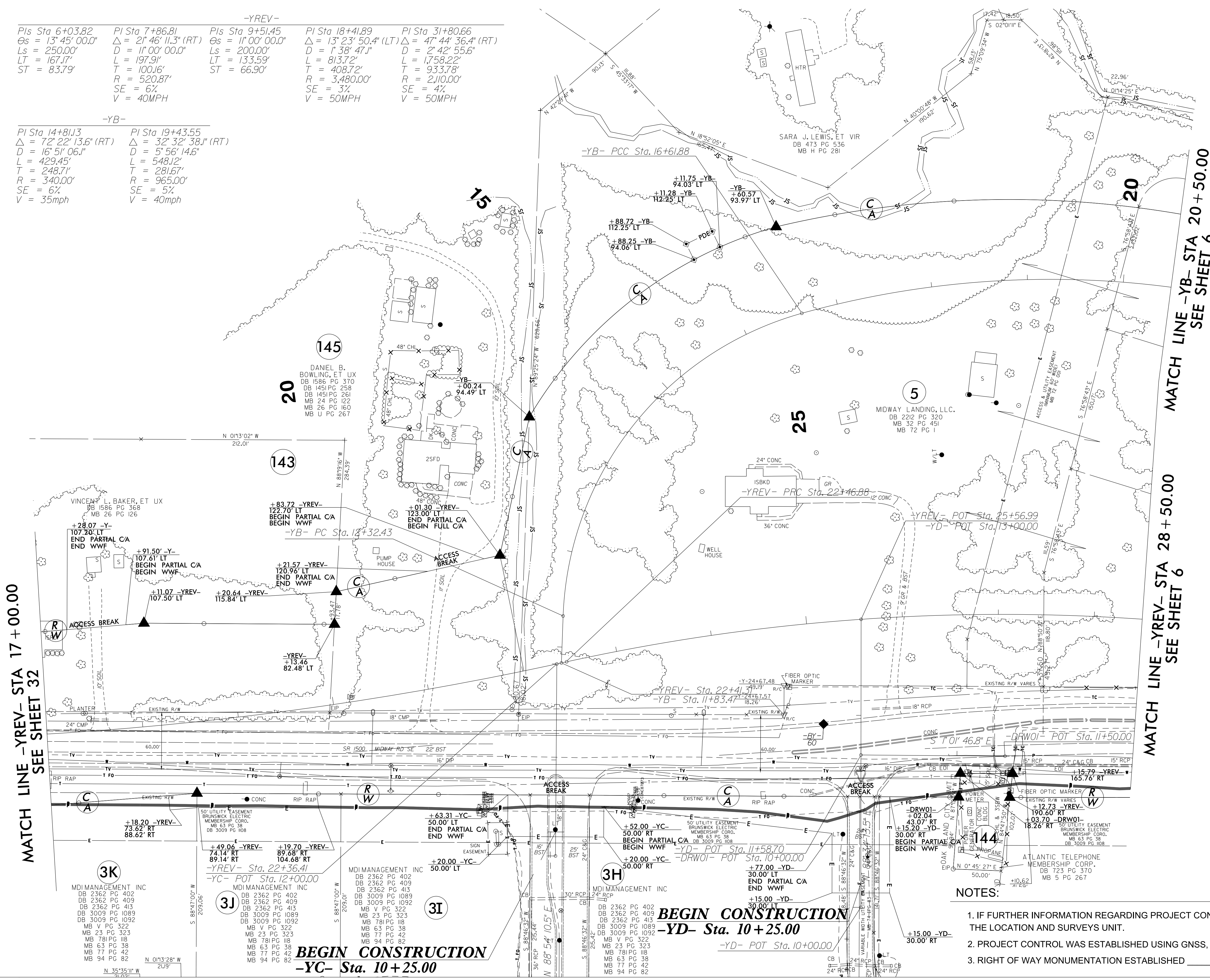
MATCH LINE -YREV- STA 17 + 00.00 SEE SHEET 33

6/2/19

REVISIONS

-YREV-				
PIs Sta 6+03.82	PI Sta 7+86.81	PIs Sta 9+51.45	PI Sta 18+41.89	PI Sta 31+80.66
$\Delta = 13^{\circ} 45' 00.0"$	$\Delta = 21^{\circ} 46' 11.3" (RT)$	$\Delta = 11^{\circ} 00' 00.0"$	$\Delta = 13^{\circ} 23' 50.4" (LT)$	$\Delta = 47^{\circ} 44' 36.4" (RT)$
$Ls = 250.00'$	$D = 11^{\circ} 00' 00.0"$	$Ls = 200.00'$	$D = 1^{\circ} 38' 47.1"$	$D = 2^{\circ} 42' 55.6"$
$LT = 167.17'$	$L = 197.91'$	$LT = 133.59'$	$L = 813.72'$	$L = 1,758.22'$
$ST = 83.79'$	$T = 100.16'$	$ST = 66.90'$	$T = 408.72'$	$T = 933.78'$
	$R = 520.87'$		$R = 3,480.00'$	$R = 2,110.00'$
	$SE = 6\%$		$SE = 3\%$	$SE = 4\%$
	$V = 40MPH$		$V = 50MPH$	$V = 50MPH$

-YB-	
PI Sta 14+81.13	PI Sta 19+43.55
$\Delta = 72^{\circ} 22' 13.6" (RT)$	$\Delta = 32^{\circ} 32' 38.1" (RT)$
$D = 16^{\circ} 51' 06.1"$	$D = 5^{\circ} 56' 14.6"$
$L = 429.45'$	$L = 548.12'$
$T = 248.71'$	$T = 281.67'$
$R = 340.00'$	$R = 965.00'$
$SE = 6\%$	$SE = 5\%$
$V = 35mph$	$V = 40mph$



PROJECT REFERENCE NO.	SHEET NO.
R-5021	RW33
Location and Surveys	
ESP ASSOCIATES, INC. 211 RACINE DRIVE, SUITE 101 WILMINGTON, NC 28403	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

NAD 83/NSRS 2007

I, Donald E. Thomas, 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 01/08/2020 to 04/24/2020, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of April, 2020.
 Donald E. Thomas
 Professional Land Surveyor L-4706

MATCH LINE -YREV- STA 17 + 00.00
SEE SHEET 32

MATCH LINE -YB- STA 20 + 50.00
SEE SHEET 6

MATCH LINE -YREV- STA 28 + 50.00
SEE SHEET 6

DATE: 6/2/19
 DRAWN BY: [illegible]
 CHECKED BY: [illegible]
 APPROVED BY: [illegible]

3K
 MDI MANAGEMENT INC
 DB 2362 PG 402
 DB 2362 PG 409
 DB 2362 PG 413
 DB 3009 PG 1089
 DB 3009 PG 1092
 MB V PG 322
 MB 23 PG 323
 MB 78 PG 118
 MB 63 PG 38
 MB 77 PG 42
 MB 94 PG 82

3J
 MDI MANAGEMENT INC
 DB 2362 PG 402
 DB 2362 PG 409
 DB 2362 PG 413
 DB 3009 PG 1089
 DB 3009 PG 1092
 MB V PG 322
 MB 23 PG 323
 MB 78 PG 118
 MB 63 PG 38
 MB 77 PG 42
 MB 94 PG 82

3I
 MDI MANAGEMENT INC
 DB 2362 PG 402
 DB 2362 PG 409
 DB 2362 PG 413
 DB 3009 PG 1089
 DB 3009 PG 1092
 MB V PG 322
 MB 23 PG 323
 MB 78 PG 118
 MB 63 PG 38
 MB 77 PG 42
 MB 94 PG 82

3H
 MDI MANAGEMENT INC
 DB 2362 PG 402
 DB 2362 PG 409
 DB 2362 PG 413
 DB 3009 PG 1089
 DB 3009 PG 1092
 MB V PG 322
 MB 23 PG 323
 MB 78 PG 118
 MB 63 PG 38
 MB 77 PG 42
 MB 94 PG 82

BEGIN CONSTRUCTION
 -YC- Sta. 10+25.00

BEGIN CONSTRUCTION
 -YD- Sta. 10+25.00

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 _____ TO _____.

6/2/19

REVISIONS

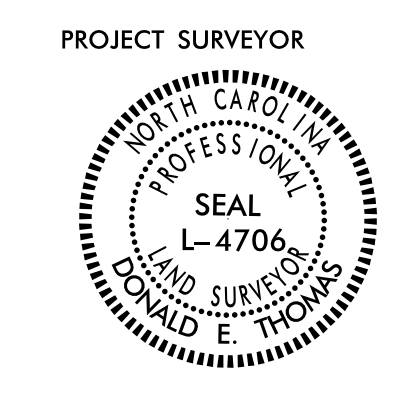
DATE TIME BY
DESCRIPTION
REVISION

SURVEY OF
THE NORTH BAY
CONSERVATION EASEMENT
FOR
THE NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

146
ST. JAMES
PLANTATION, POA, INC
DB 2868 PG 618
DB 2307 PG 251
DB 2669 PG 1105
MB 57 PG 1+6
MB 56 PG 88
MB 34 PG 30
MB 42 PG 46-50

NAD 83/NSRS 2007

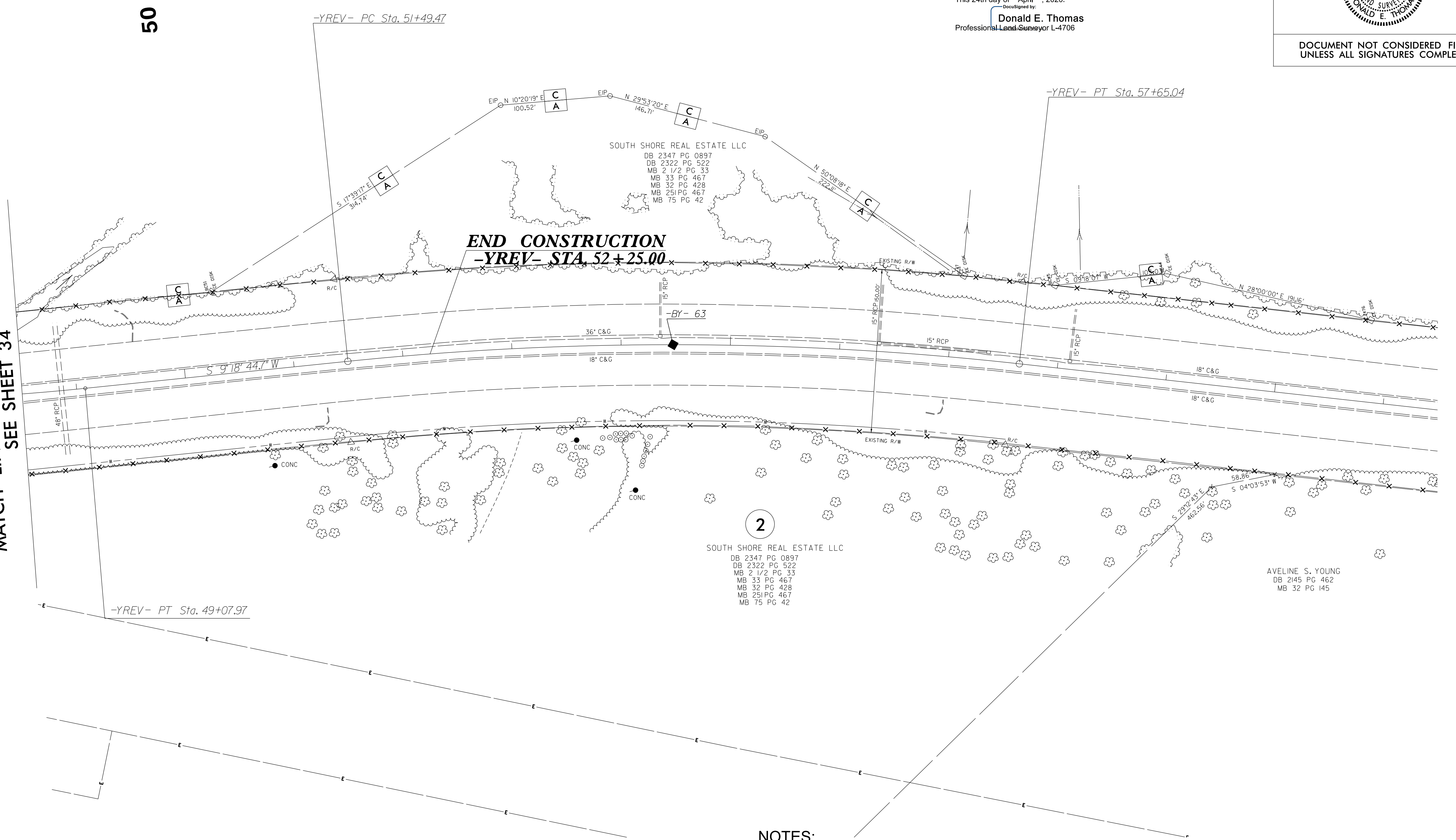
PROJECT REFERENCE NO. R-5021 SHEET NO. RW34A
Location and Surveys
ESP ASSOCIATES, INC.
211 RACINE DRIVE, SUITE 101
WILMINGTON, NC 28403



I, Donald E. Thomas, 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 01/08/2020 to 04/24/2020, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.
This 24th day of April, 2020.
Donald E. Thomas
Professional Land Surveyor L-4706

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

MATCH LINE -YREV- STA 48 + 50.00
SEE SHEET 34



2
SOUTH SHORE REAL ESTATE LLC
DB 2347 PG 0897
DB 2322 PG 522
MB 2 1/2 PG 33
MB 33 PG 467
MB 32 PG 428
MB 25 PG 467
MB 75 PG 42

AVELINE S. YOUNG
DB 2145 PG 462
MB 32 PG 145

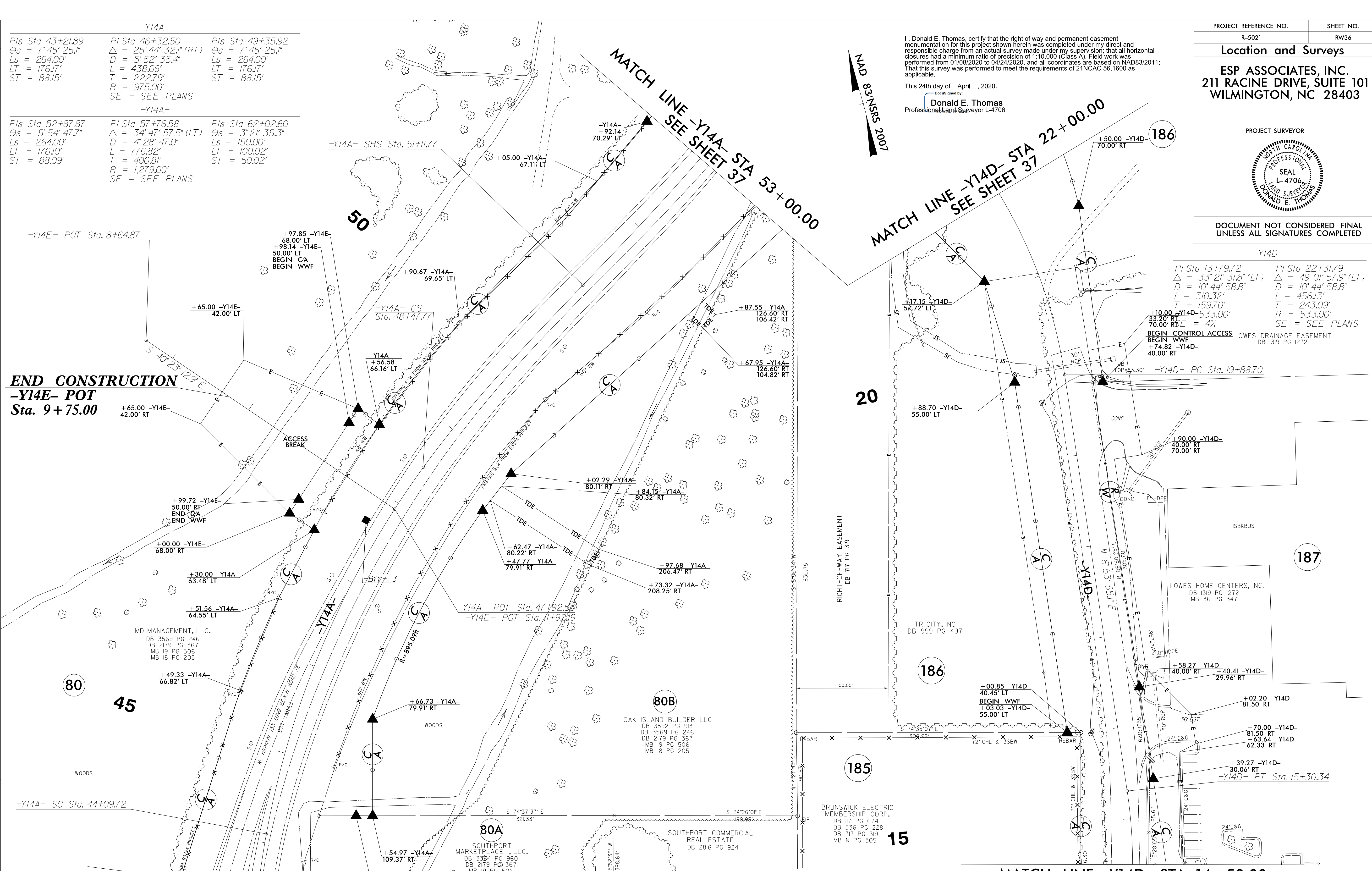
NOTES:

- 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 ____ TO ____.

6/2/09
 REVISIONS
 1. SYSTEMS
 2. DESIGN
 3. SURVEY
 4. CONSTRUCTION
 5. AS-BUILT
 6. FINAL

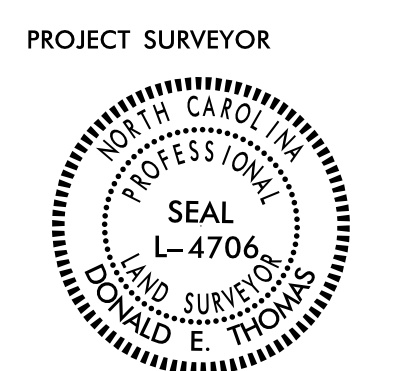
-Y14A-		
Pls Sta 43+21.89 θs = 7° 45' 25.1" Ls = 264.00' LT = 176.17' ST = 88.15'	Pls Sta 46+32.50 Δ = 25° 44' 32.1" (RT) D = 5° 52' 35.4" L = 438.06' T = 222.79' R = 975.00' SE = SEE PLANS	Pls Sta 49+35.92 θs = 7° 45' 25.1" Ls = 264.00' LT = 176.17' ST = 88.15'
-Y14A-		
Pls Sta 52+87.87 θs = 5° 54' 47.7" Ls = 264.00' LT = 176.10' ST = 88.09'	Pls Sta 57+76.58 Δ = 34° 47' 57.5" (LT) D = 4° 28' 47.0" L = 776.82' T = 400.81' R = 1,279.00' SE = SEE PLANS	Pls Sta 62+02.60 θs = 3° 21' 35.3" Ls = 150.00' LT = 100.02' ST = 50.02'

-Y14E- POT Sta. 8+64.87
END CONSTRUCTION
-Y14E- POT
Sta. 9+75.00



I, Donald E. Thomas, 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 01/08/2020 to 04/24/2020, and all coordinates are based on NAD83/2011; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.
 This 24th day of April, 2020.
 Donald E. Thomas
 Professional Land Surveyor L-4706

PROJECT REFERENCE NO. R-5021	SHEET NO. RW36
Location and Surveys	
ESP ASSOCIATES, INC. 211 RACINE DRIVE, SUITE 101 WILMINGTON, NC 28403	
PROJECT SURVEYOR	



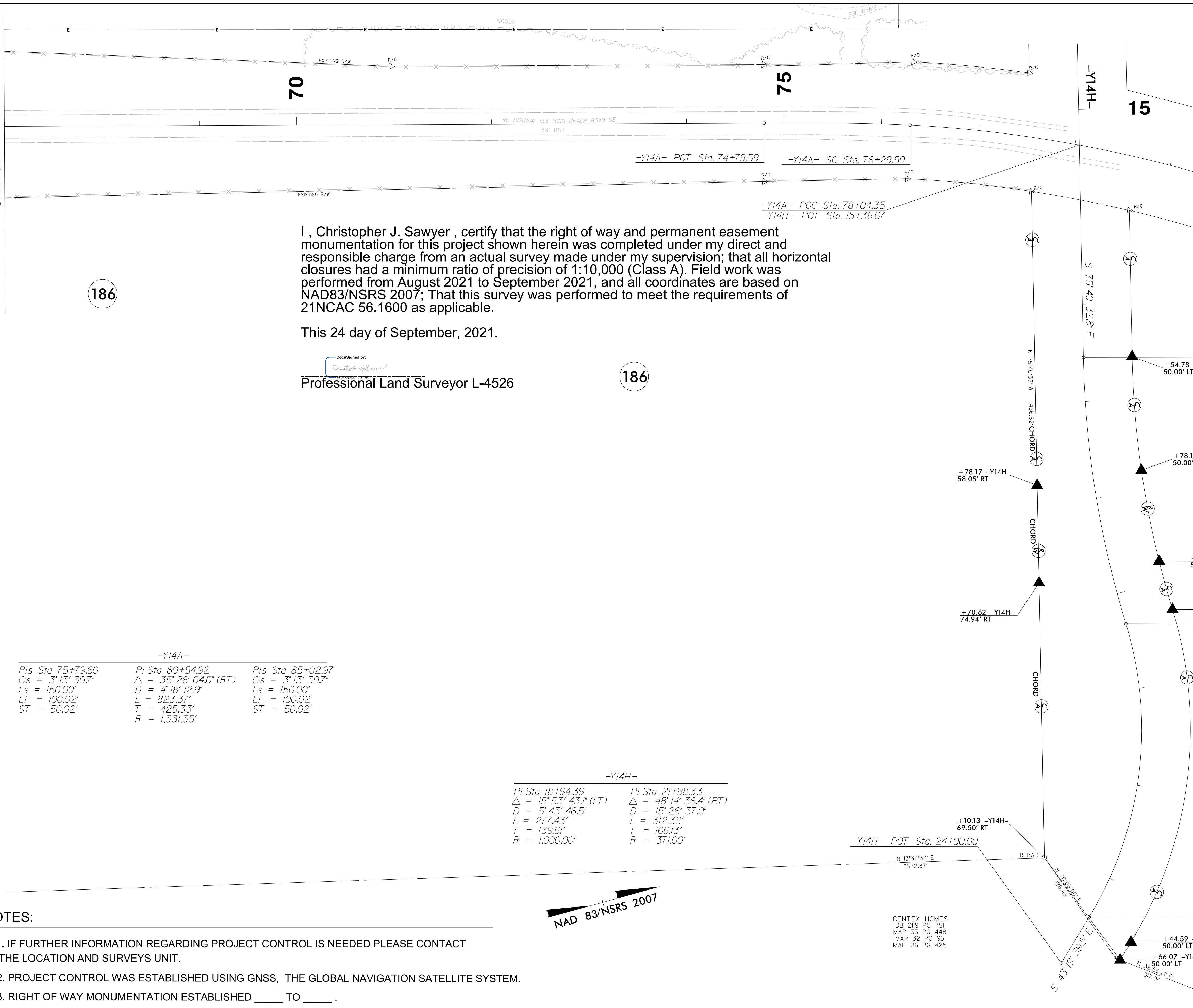
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-Y14D-	
Pls Sta 13+79.72 Δ = 33° 21' 31.8" (LT) D = 10° 44' 58.8" L = 310.32' T = 159.70' R = 533.00' SE = SEE PLANS	Pls Sta 22+31.79 Δ = 49° 01' 57.9" (LT) D = 10° 44' 58.8" L = 456.13' T = 243.09' R = 533.00' SE = SEE PLANS

- 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.
 - RIGHT OF WAY MONUMENTATION ESTABLISHED _____ TO _____.

PROJECT REFERENCE NO. R-5021	SHEET NO. RW37A
Location and Surveys	
LOCATION AND SURVEYS DIVISION 3 5310 BARBADOS BLVD, SUITE 102 CASTLE HAYNE, NC 28429	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCH LINE -Y14A- STA 67 + 00.00
SEE SHEET 37



I, Christopher J. Sawyer, 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 August 2021 to September 2021, and all coordinates are based on NAD83/NSRS 2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24 day of September, 2021.

DocuSigned by:

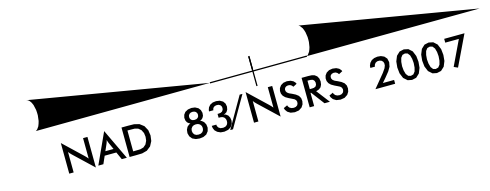
Professional Land Surveyor L-4526

-Y14A-		
PIs Sta 75+79.60	PI Sta 80+54.92	PIs Sta 85+02.97
$\theta_s = 3^\circ 13' 39.7''$	$\Delta = 35^\circ 26' 04.0''$ (RT)	$\theta_s = 3^\circ 13' 39.7''$
$L_s = 150.00'$	$D = 4^\circ 18' 12.9''$	$L_s = 150.00'$
$LT = 100.02'$	$L = 823.37'$	$LT = 100.02'$
$ST = 50.02'$	$T = 425.33'$	$ST = 50.02'$
	$R = 1,331.35'$	

-Y14H-	
PI Sta 18+94.39	PI Sta 21+98.33
$\Delta = 15^\circ 53' 43.1''$ (LT)	$\Delta = 48^\circ 14' 36.4''$ (RT)
$D = 5^\circ 43' 46.5''$	$D = 15^\circ 26' 37.0''$
$L = 277.43'$	$L = 312.38'$
$T = 139.61'$	$T = 166.13'$
$R = 1,000.00'$	$R = 371.00'$

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 ____ TO ____.



CENTEX HOMES
DB 2119 PG 751
MAP 33 PG 448
MAP 32 PG 95
MAP 26 PG 425

REVISIONS

27-SEP-2021 10:50
 S:\Projects\Projects\RURAL_Brunswick Co\Projects\21\Working\RW Sheets\210907 revised.rw sheets\R-5021.L.S.-RW37A.dgn
 11/15/2019 10:50
 m.jduval

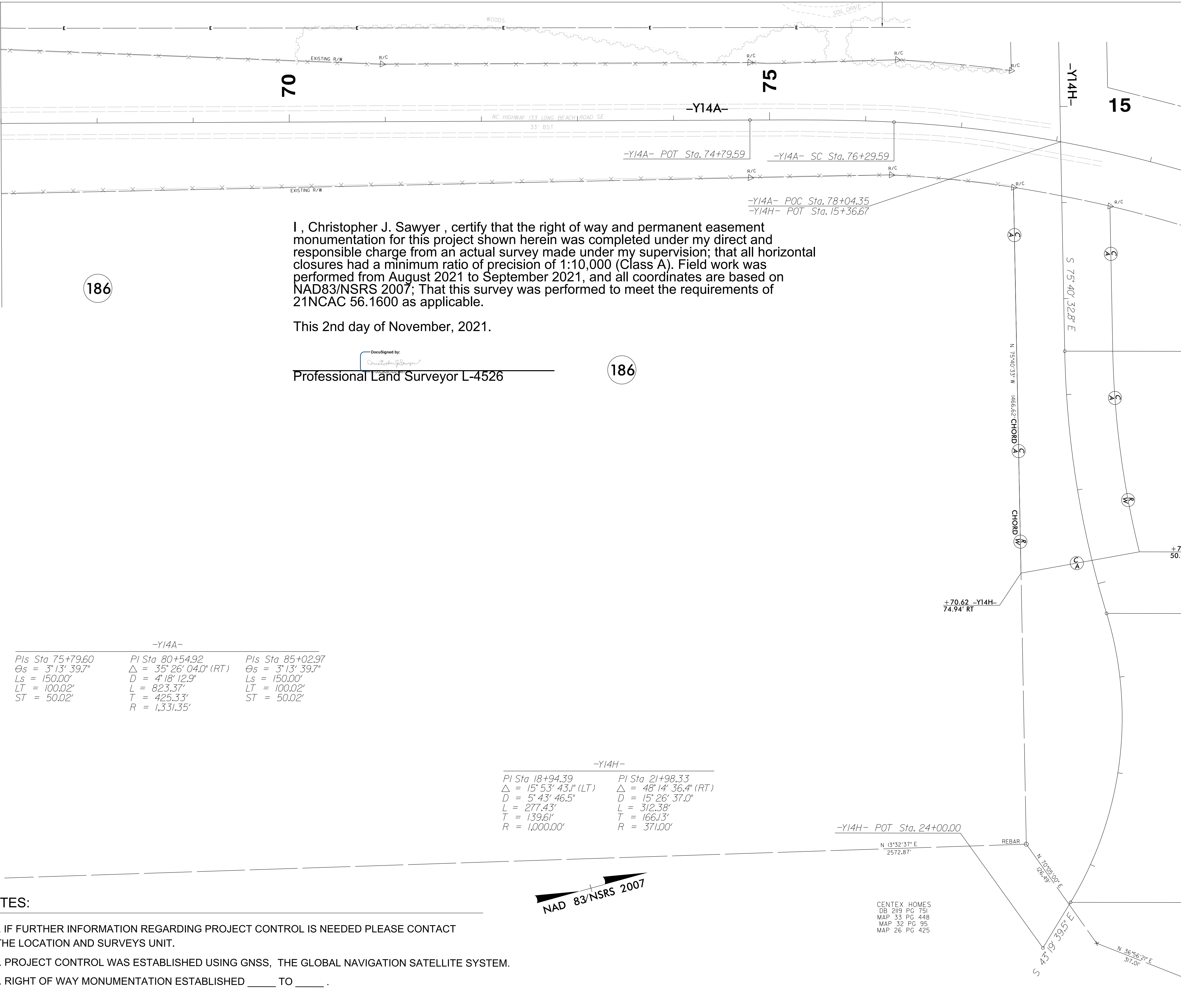
Location and Surveys

LOCATION AND SURVEYS
DIVISION 3
5310 BARBADOS BLVD., SUITE 102
CASTLE HAYNE, NC 28429

PROJECT SURVEYOR
SEAL
L-4526
CHRISTOPHER J. SAWYER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

MATCH LINE -Y14A- STA 67 + 00.00
SEE SHEET 37



I, Christopher J. Sawyer, 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 August 2021 to September 2021, and all coordinates are based on NAD83/NSRS 2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 2nd day of November, 2021.

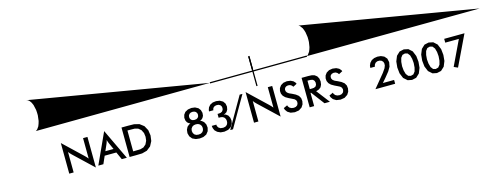
Documented by:
Christopher Sawyer
Professional Land Surveyor L-4526

-Y14A-		
PIs Sta 75+79.60	PI Sta 80+54.92	PIs Sta 85+02.97
$\theta_s = 3^\circ 13' 39.7''$	$\Delta = 35^\circ 26' 04.0''$ (RT)	$\theta_s = 3^\circ 13' 39.7''$
$L_s = 150.00'$	$D = 4^\circ 18' 12.9''$	$L_s = 150.00'$
$LT = 100.02'$	$L = 823.37'$	$LT = 100.02'$
$ST = 50.02'$	$T = 425.33'$	$ST = 50.02'$
	$R = 1,331.35'$	

-Y14H-	
PI Sta 18+94.39	PI Sta 21+98.33
$\Delta = 15^\circ 53' 43.1''$ (LT)	$\Delta = 48^\circ 14' 36.4''$ (RT)
$D = 5^\circ 43' 46.5''$	$D = 15^\circ 26' 37.0''$
$L = 277.43'$	$L = 312.38'$
$T = 139.61'$	$T = 166.13'$
$R = 1,000.00'$	$R = 371.00'$

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 ____ TO ____ .



CENTEX HOMES
DB 2119 PG 751
MAP 33 PG 448
MAP 32 PG 95
MAP 26 PG 425

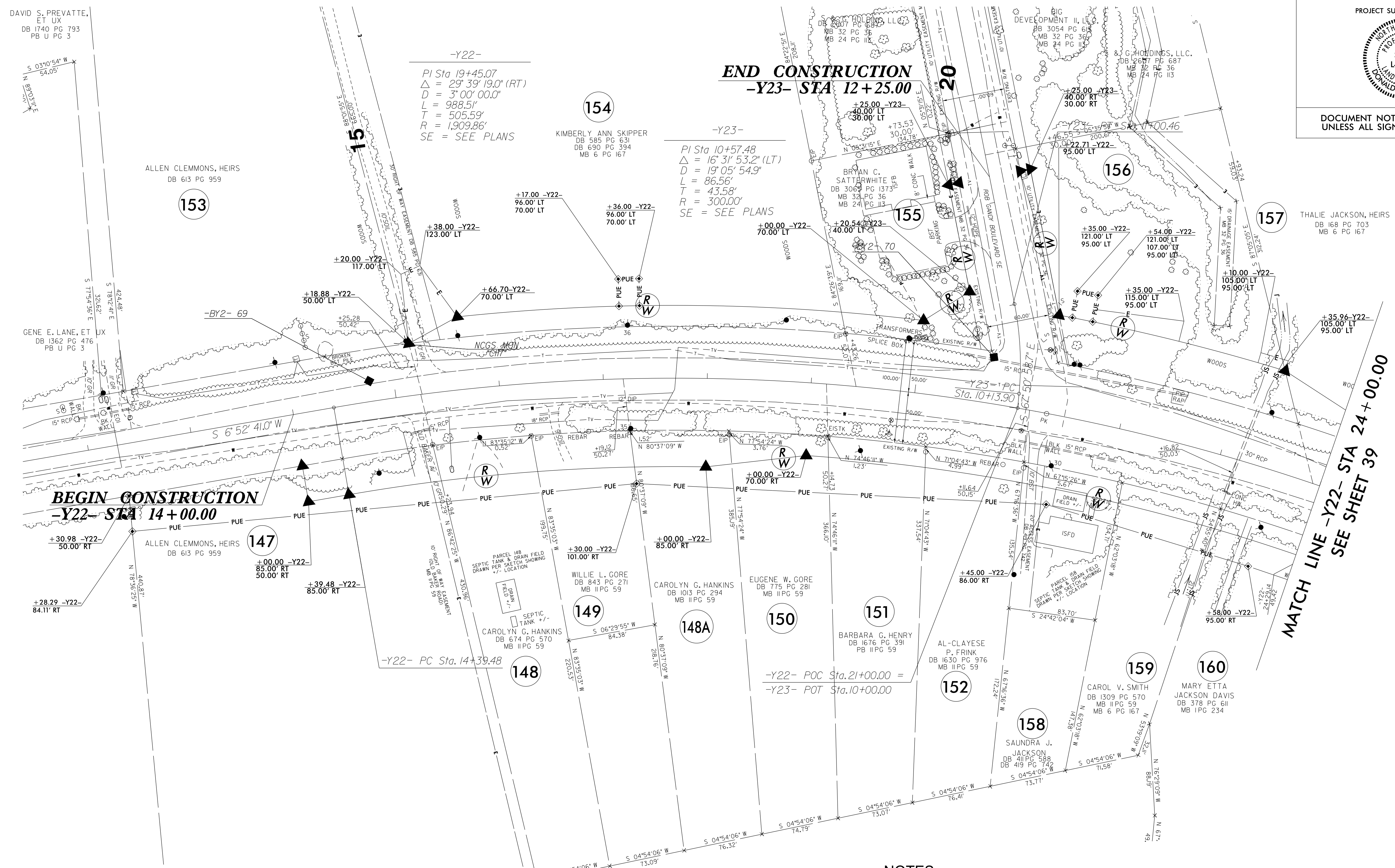
REVISIONS

C:\NOV-2021\10333 Projects\RURAL_Brunswick Co\15021\Working\15021.LS_RW37A-REV.dgn
6/2/21 10:33 AM C:\Users\at... m... 299836

6/2/19

REVISIONS

DATE TIME BY
11/11/19 10:00 AM DTD/ALB



I, Donald E. Thomas, 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 01/08/2020 to 04/24/2020, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of April, 2020.

Donald E. Thomas
Professional Land Surveyor L-4706

PROJECT REFERENCE NO.	SHEET NO.
R-5021	RW38
Location and Surveys	
ESP ASSOCIATES, INC. 211 RACINE DRIVE, SUITE 101 WILMINGTON, NC 28403	
PROJECT SURVEYOR	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

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 ____ TO ____.

6/2/19

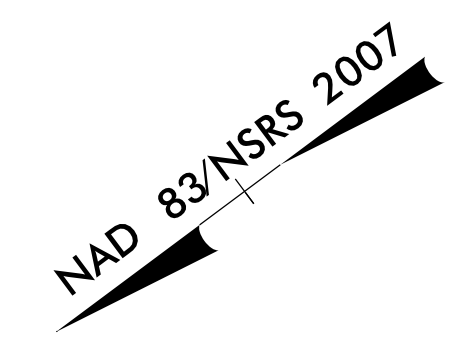
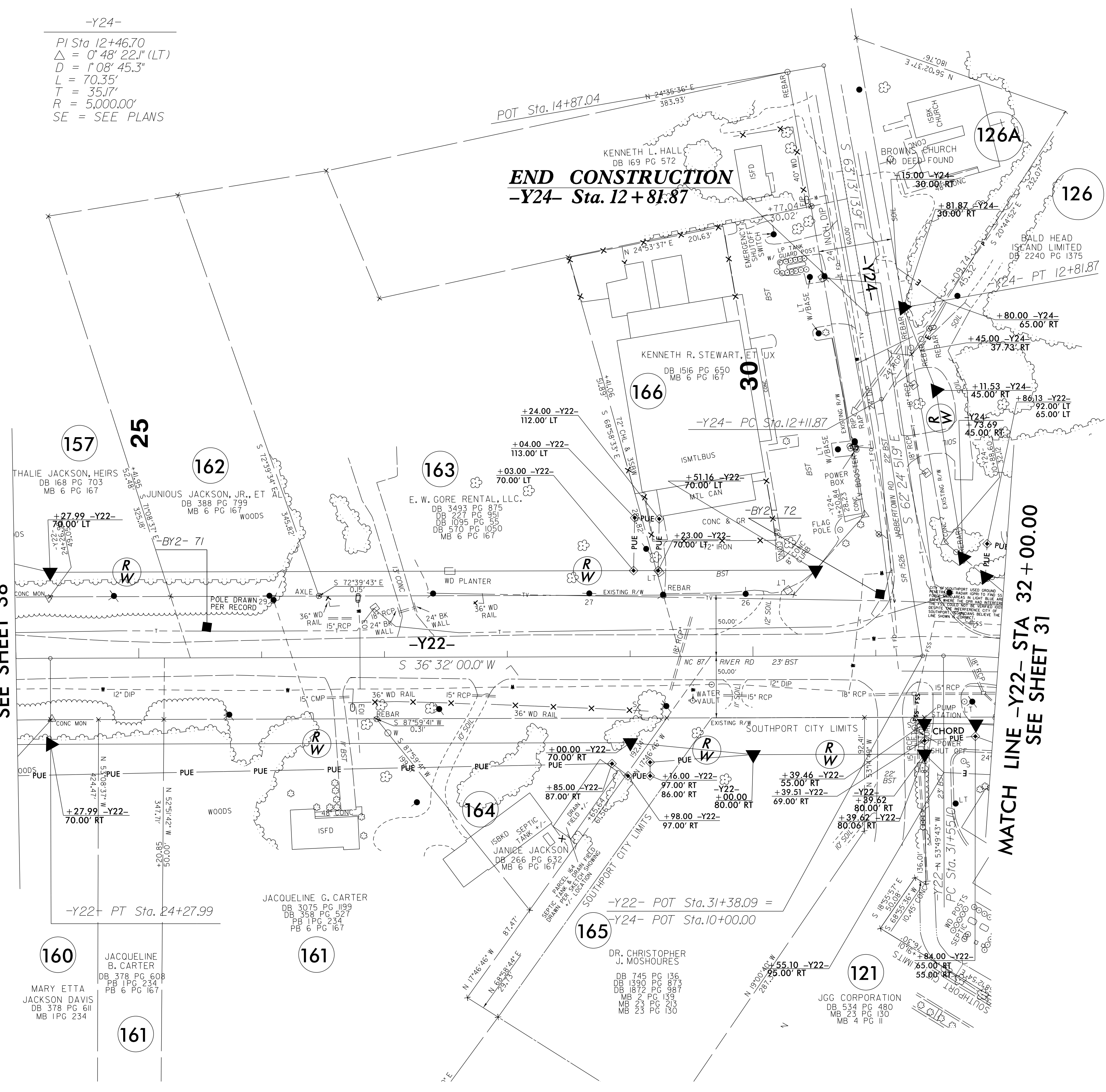
REVISIONS

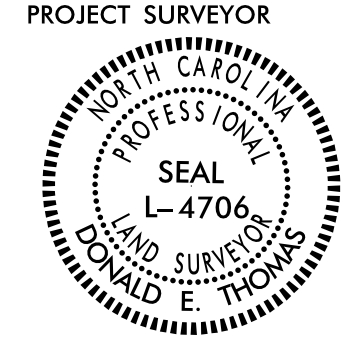
SYTIME
DODSON
BURNHAM

-Y24-
 PI Sta 12+46.70
 $\Delta = 0^{\circ} 48' 22.1" (LT)$
 $D = 1^{\circ} 08' 45.3"$
 $L = 70.35'$
 $T = 35.17'$
 $R = 5,000.00'$
 SE = SEE PLANS

MATCH LINE -Y22- STA 24 + 00.00
SEE SHEET 38

MATCH LINE -Y22- STA 32 + 00.00
SEE SHEET 31



PROJECT REFERENCE NO. R-5021	SHEET NO. RW39
Location and Surveys	
ESP ASSOCIATES, INC. 211 RACINE DRIVE, SUITE 101 WILMINGTON, NC 28403	
PROJECT SURVEYOR  DONALD E. THOMAS	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Donald E. Thomas, 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 01/09/2020 to 04/24/2020, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of April, 2020.
 Donald E. Thomas
 Professional Land Surveyor L-4706

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 ____ TO ____.

