

21-JUL-2026 10:11
E:\Projects\NCDOT\2026\25-01054.053_U5765.CON_ESP_3\Location Survey\2026 NEW RW Sheets\U5765_Is_rw01.dgn
petrucci AT ESP200617

09/08/99

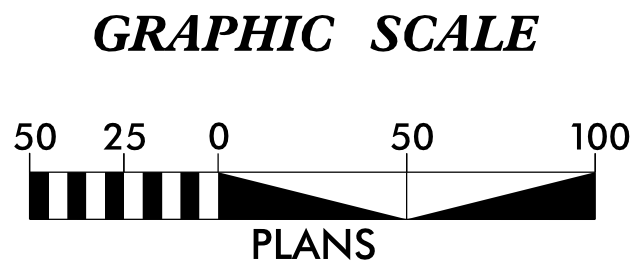
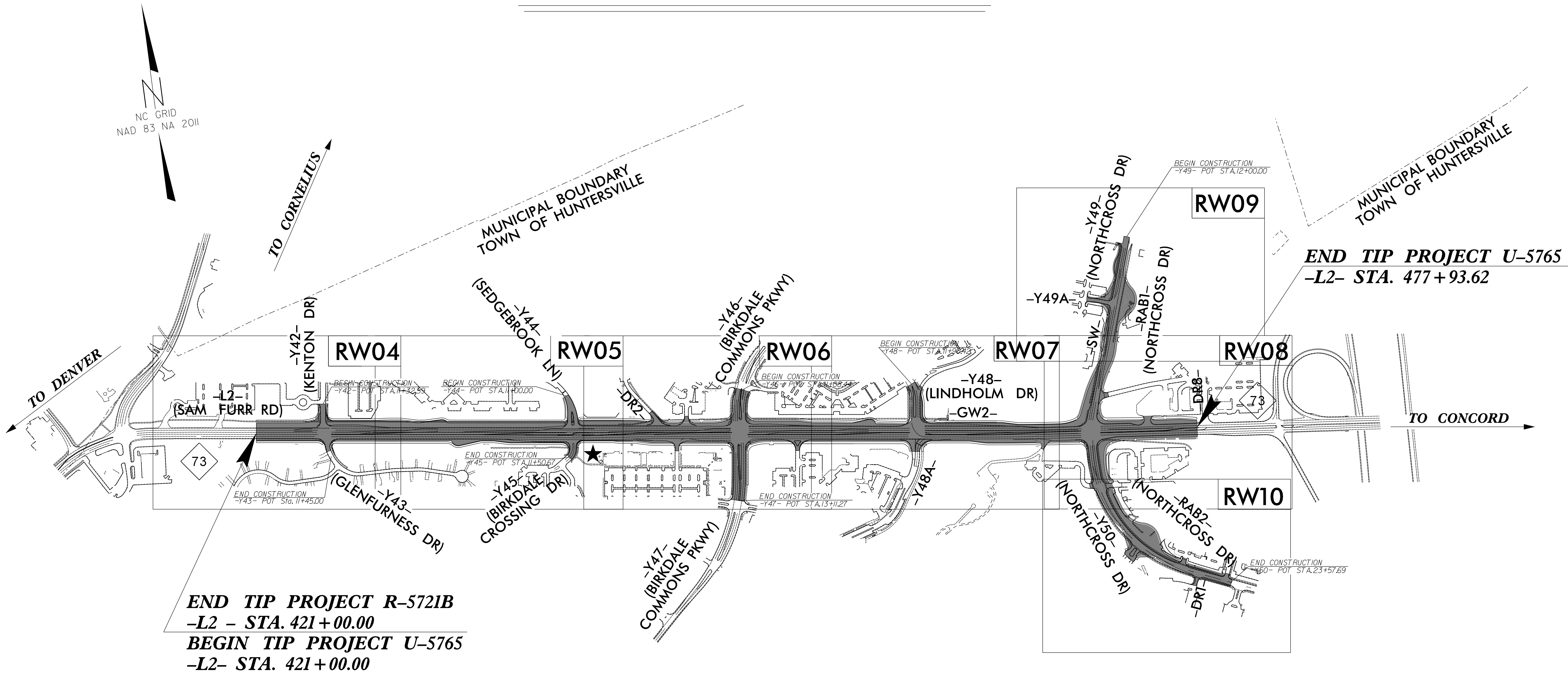
TIP PROJECT: U-5765

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5765	RW01	20

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

MECKLENBURG COUNTY



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "I-5405-1" WITH NAD 83/2011 STATE PLANE GRID COORDINATES OF NORTHING: 592,139.124(ft) EASTING: 1,450,285.308(ft) ELEVATION: 806.95(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999844

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "I-5405-1" TO -L2- STATION 414+91.25 IS N 25-28°16.4" W 33,213.07(ft)

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES

VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:



ESP Associates, Inc.
7140 Weddington Rd NW, Suite 108 Concord, NC 28027

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
09/18/2022

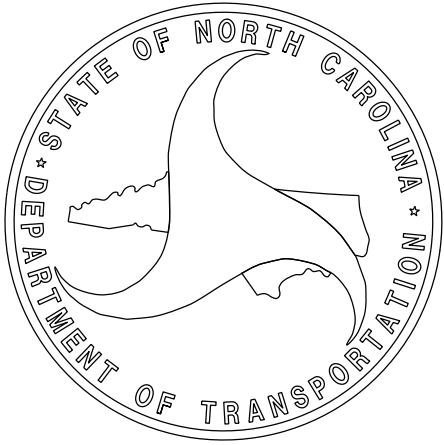
LETTING DATE:
10/20/2026

PROFESSIONAL LAND SURVEYOR



SIGNATURE:

7/21/2026 | 12:54:03 PM EDT
Date:



6/2/2023

I, Randy W. Nance, PLS, certify that the Project Control was verified under my supervision from an actual Conventional survey made under my supervision and the following information was used to perform the survey:

Class of survey: **Conventional Survey**
Type of GPS field procedure: Trimble Robotic Total Station
Dates of survey: 01/26/2023 to 03/13/2023
Datum/Epoch: NAD 83/NA 2011
Published/Fixed-control use: N/A
Localized around: 15405-1
Northing: 592139.1240
Easting: 1450285.3080
Combined grid factor: 0.999844000
Geoid model:
Units: US Survey Feet

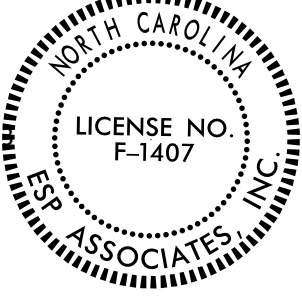
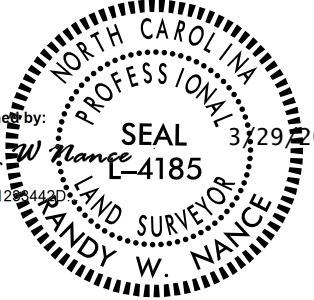
Field work was performed from 01/26/2023 to 03/13/2023 and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 29th day of March, 2023.

DocuSigned by:
Randy W Nance
606E4A832B3442D

DocuSigned by:
Randy W Nance
606E4A832B3442D

Professional Land Surveyor L-4185



SURVEY CONTROL SHEET

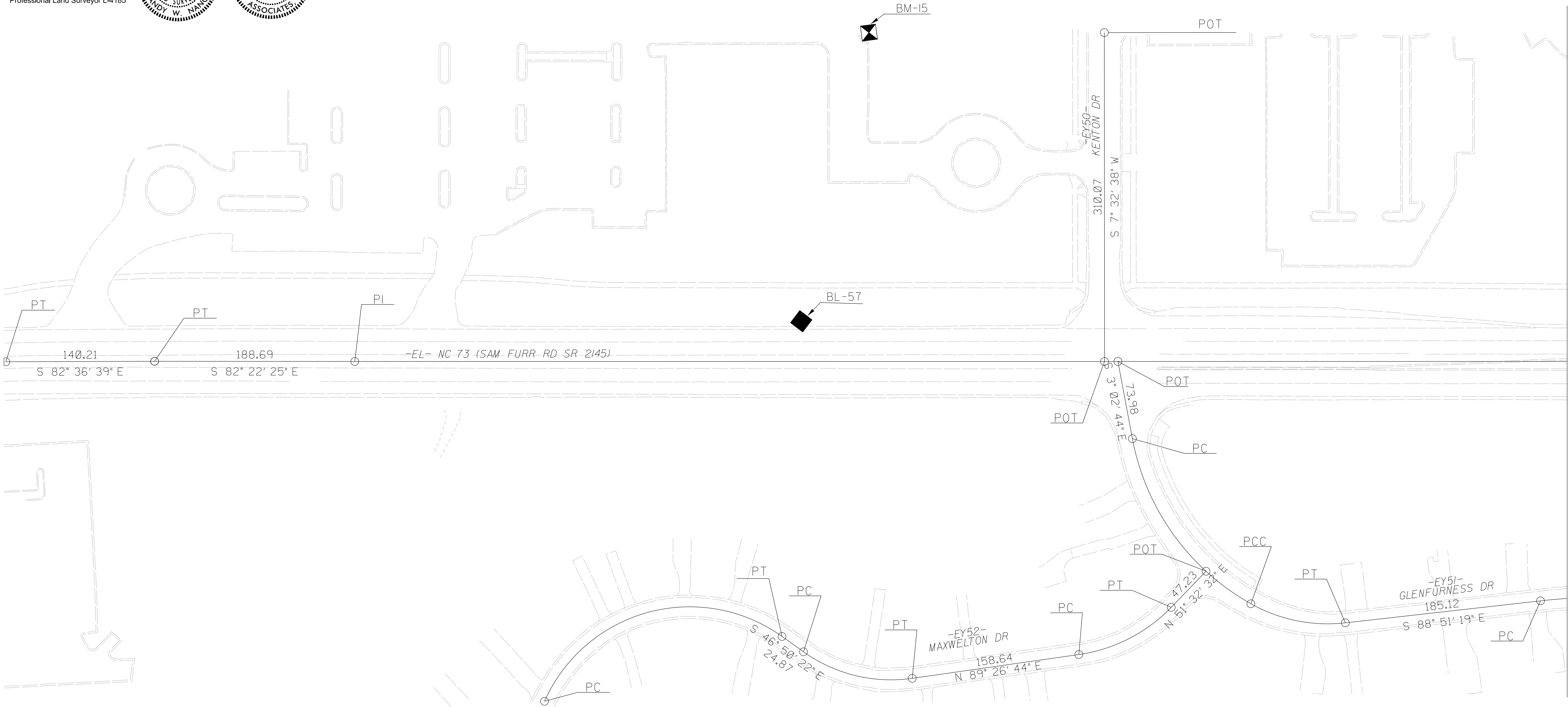
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

CONTROL SHEET PRODUCED BY ESP ASSOCIATES, INC

NO SURVEY CONTROL PERFORMED BY ESP ASSOCIATES, INC



PROJECT REFERENCE NO.	SHEET NO.
U-5765	RW02C-1
Location and Surveys	
ESP ASSOCIATES, INC 3475 LAKEMONT BLVD FT MILL, SC 29708	
PROJECT SURVEYOR: RANDY W. NANCE  LICENSE NO. F-1407	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



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.

6/2/99

REVISIONS

29-MAR-2023 15:01
E:\Projects\NCDOT\2022\JM01.167_U5765.con.esp\Location\U5765-1s-rw02c-2.dgn
ppetrucci AT EPS2C061517

I, Randy W. Nance, PLS, certify that the Project Control was verified under my supervision from an actual Conventional survey made under my supervision and the following information was used to perform the survey:

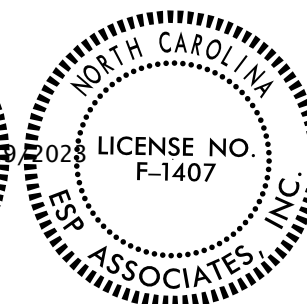
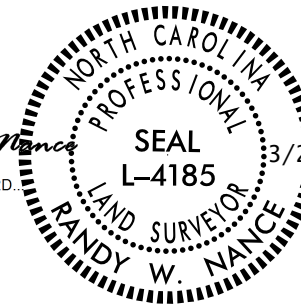
Class of survey: Conventional Survey
Type of GPS field procedure: Trimble Robotic Total Station
Dates of survey: 01/26/2023 to 03/13/2023
Datum/Epoch: NAD 83/NA 2011
Published/Fixed-control use: N/A
Localized around: I5405-1
Northing: 592139.1240
Easting: 1450285.3080
Combined grid factor: 0.999844000
Geoid model:
Units: US Survey Feet

Field work was performed from 01/26/2023 to 03/13/2023 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 29th day of March, 2023,

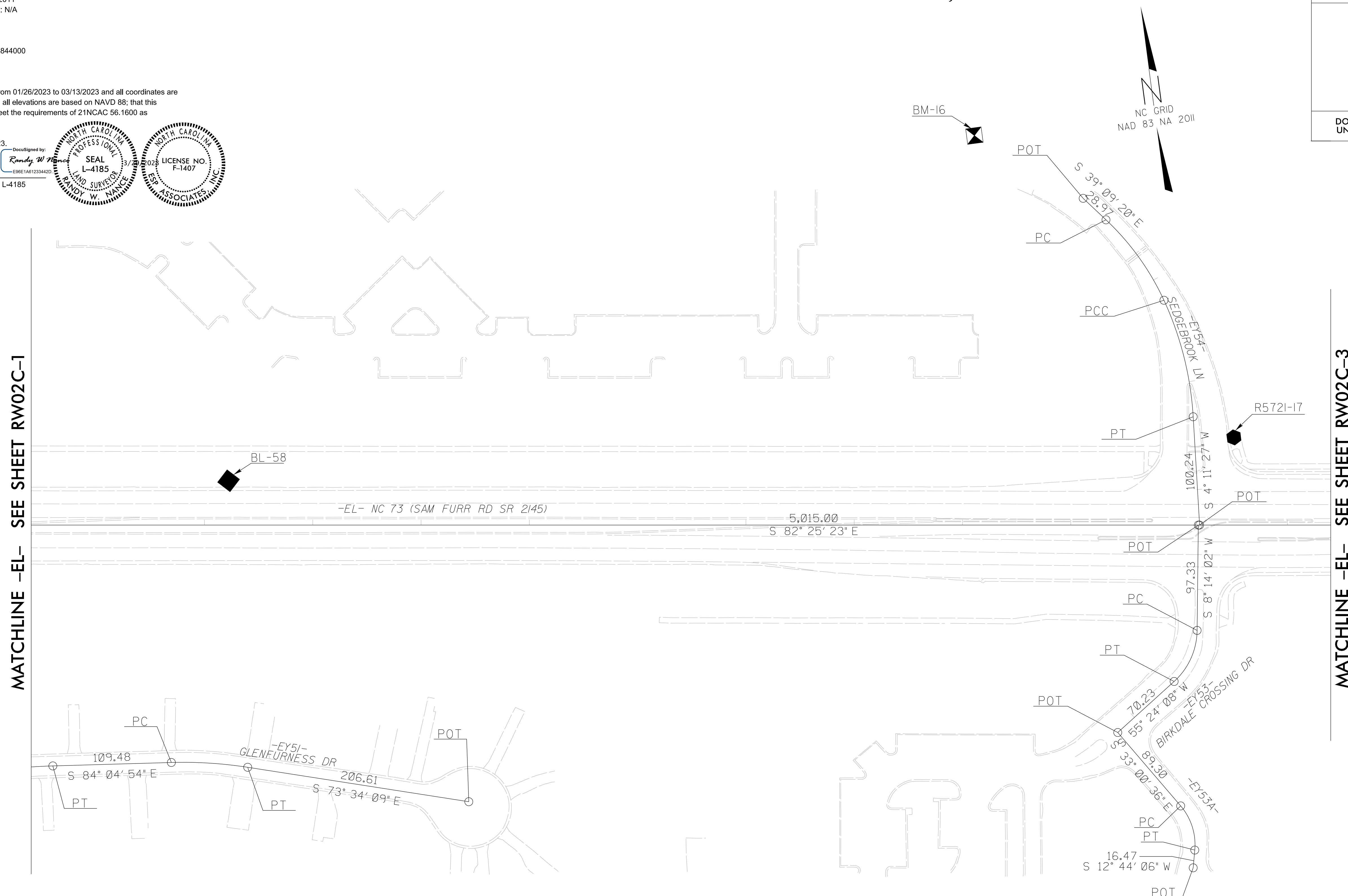
DocuSigned by:
Randy W
E96E1A612334420

DocuSigned by:
Randy W
E98E1A8123344



SURVEY CONTROL SHEET
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

CONTROL SHEET PRODUCED BY ESP ASSOCIATES, INC
NO SURVEY CONTROL PERFORMED BY ESP ASSOCIATES, INC



NOTES:

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6/2/95

REVISIONS

29-MAR-2023 15:01
E:\Projects\NC001\2022\JN01167_U5765_con_esp\Location\J5765_1s-rw02c-3.dgn
ppetrucal AT ESPS2061517

I, Randy W. Nance, PLS, certify that the Project Control was verified under my supervision from an actual Conventional survey made under my supervision and the following information was used to perform the survey:

Class of survey: Conventional Survey
Type of GPS field procedure: Trimble Robotic Total Station
Dates of survey: 01/26/2023 to 03/13/2023
Datum/Epoch: NAD 83/NA 2011
Published/Fixed-control use: N/A
Localized around: I5405-1
Northing: 592139.1240
Easting: 1450285.3080
Combined grid factor: 0.999844000
Geoid model:
Units: US Survey Feet

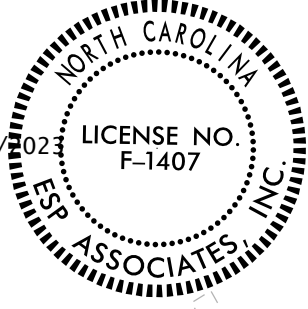
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This 29th day of March, 2023.

DocuSigned by:
Randy W Nance
E99E14AF1033442D

Professional Land Surveyor L-4185

DocuSigned by:
Randy W Nance
E99E14AF1033442D



SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

CONTROL SHEET PRODUCED BY ESP ASSOCIATES, INC

NO SURVEY CONTROL PERFORMED BY ESP ASSOCIATES, INC

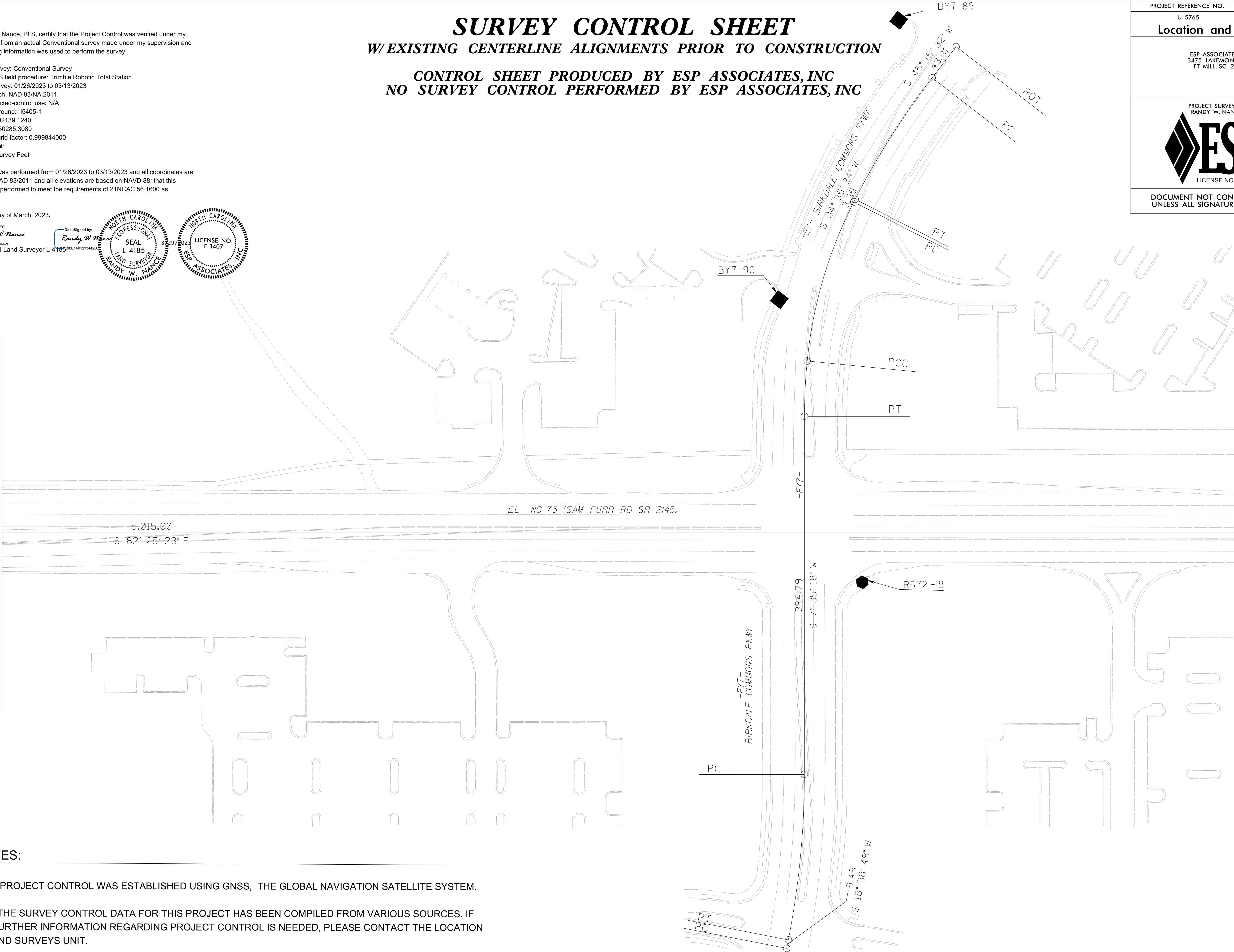
PROJECT REFERENCE NO.	SHEET NO.
U-5765	RW02C-3
Location and Surveys	
ESP ASSOCIATES, INC 3475 LAKEMONT BLVD FT MILL, SC 29708	
PROJECT SURVEYOR: RANDY W. NANCE  LICENSE NO. F-1407	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCHLINE -EL- SEE SHEET RW02C-2

MATCHLINE -EL- SEE SHEET RW02C-4

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REVISIONS

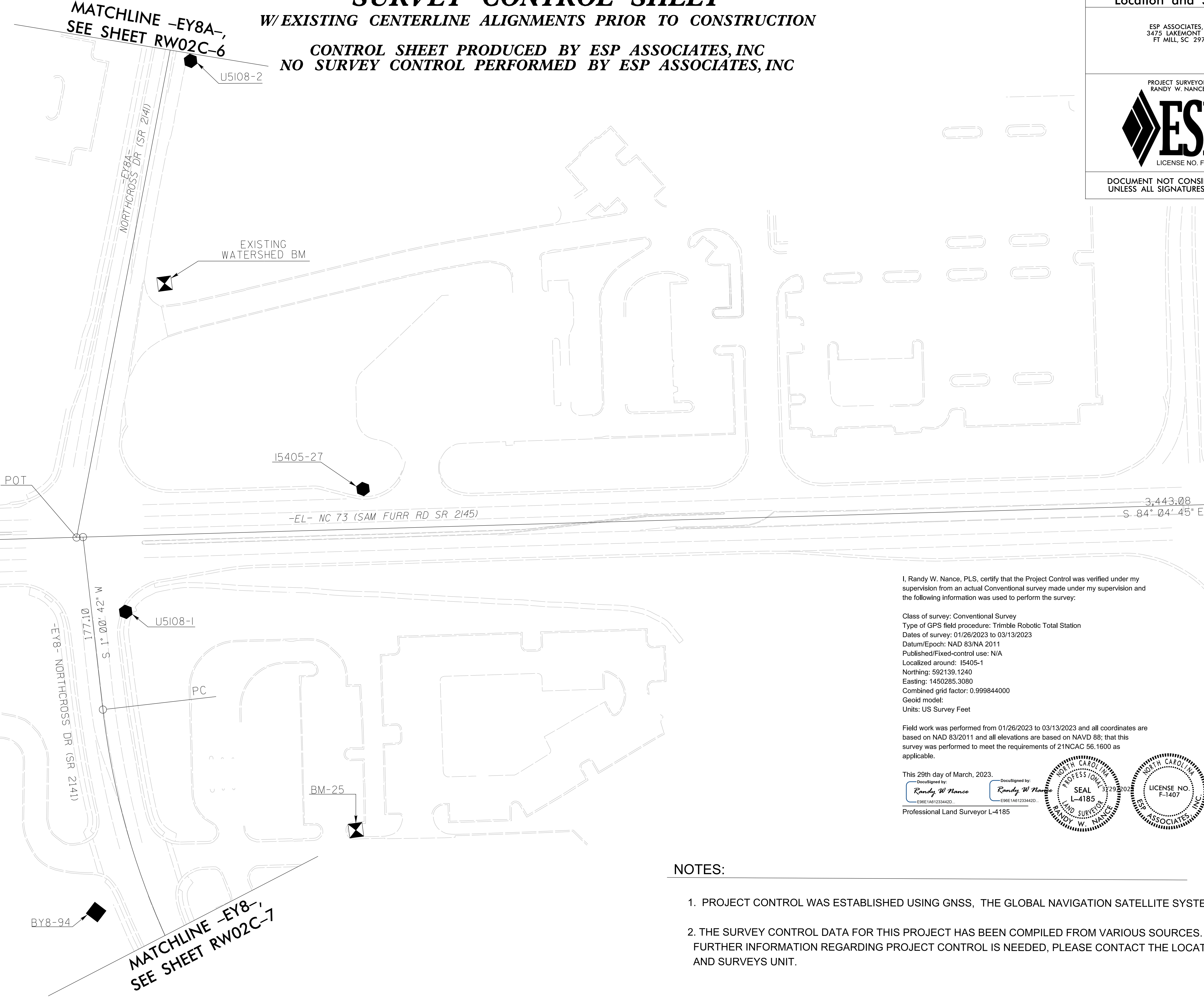
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ppetrucal At ESPSC061517

MATCHLINE -EL- SEE SHEET RW02C-4

MATCHLINE -EY8A-,
SEE SHEET RW02C-6

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

CONTROL SHEET PRODUCED BY ESP ASSOCIATES, INC
NO SURVEY CONTROL PERFORMED BY ESP ASSOCIATES, INC



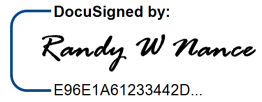
PROJECT REFERENCE NO.	SHEET NO.
U-5765	RW02C-5
Location and Surveys	
ESP ASSOCIATES, INC 3475 LAKEMONT BLVD FT MILL, SC 29708	
PROJECT SURVEYOR: RANDY W. NANCE	
 LICENSE NO. F-1407	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

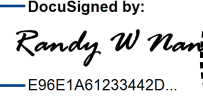
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Easting: 1450285.3080
Combined grid factor: 0.999844000
Geoid model:
Units: US Survey Feet

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This 29th day of March, 2023.

DocuSigned by:

E89E1A61233442D...

DocuSigned by:

E89E1A61233442D...



Professional Land Surveyor L-4185

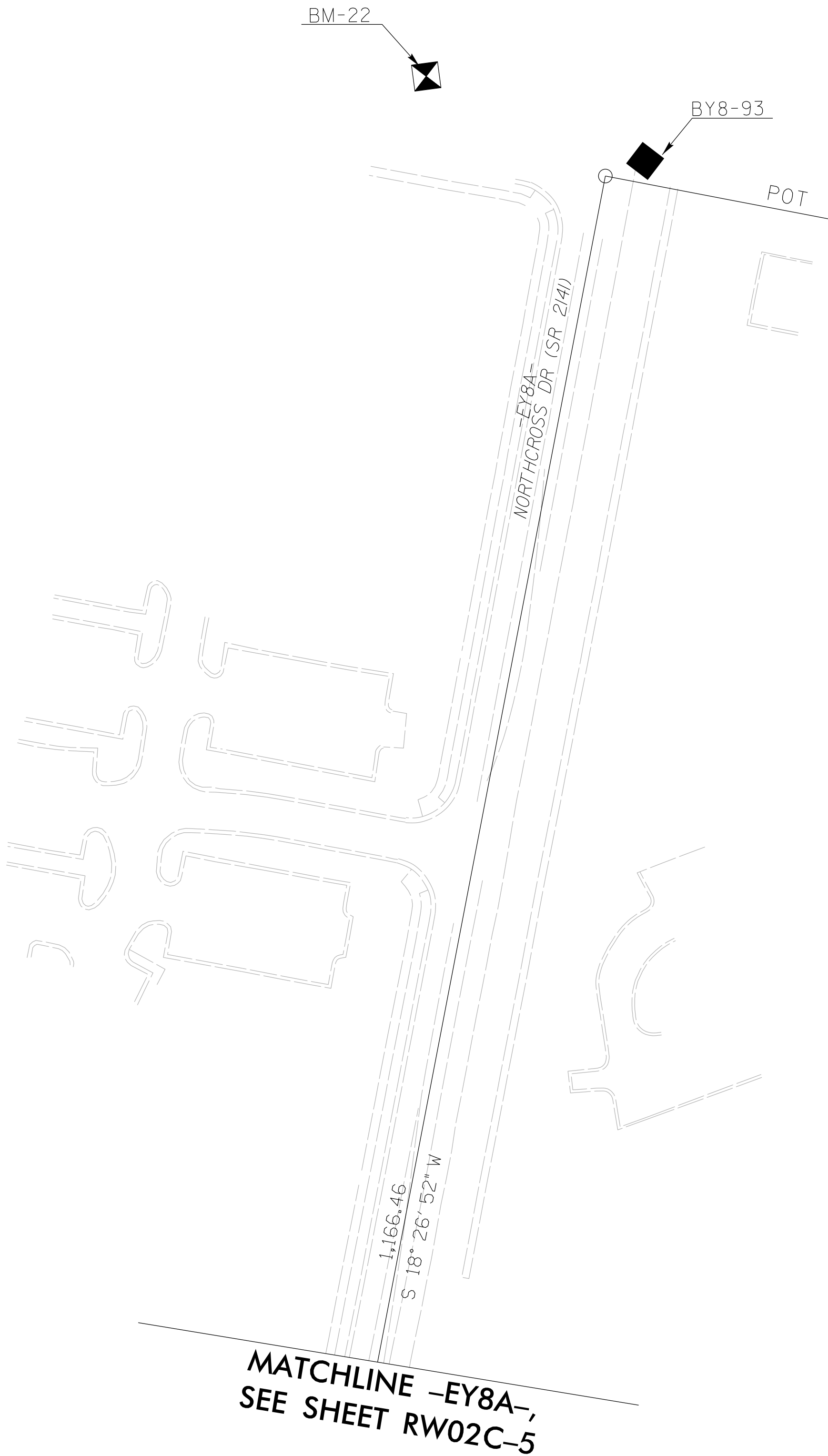
NOTES:

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REVISIONS

29-MAR-2023 15:01
E:\Projects\NC DOT\2022\JN01167_U5765_con_esp\Location\J5765_1s-r-w02c-6.dgn
ppetrucal AT ESP22061517

SURVEY CONTROL SHEET
W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION
CONTROL SHEET PRODUCED BY ESP ASSOCIATES, INC
NO SURVEY CONTROL PERFORMED BY ESP ASSOCIATES, INC



PROJECT REFERENCE NO.	SHEET NO.
U-5765	RW02C-6
Location and Surveys	
ESP ASSOCIATES, INC 3475 LAKEMONT BLVD FT MILL, SC 29708	
PROJECT SURVEYOR: RANDY W. NANCE  LICENSE NO. F-1407	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Randy W. Nance, PLS, certify that the Project Control was verified under my supervision from an actual Conventional survey made under my supervision and the following information was used to perform the survey:

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Type of GPS field procedure: Trimble Robotic Total Station
Dates of survey: 01/26/2023 to 03/13/2023
Datum/Epoch: NAD 83/NA 2011
Published/Fixed-control use: N/A
Localized around: I5405-1
Northing: 592139.1240
Easting: 1450285.3080
Combined grid factor: 0.999844000
Geoid model:
Units: US Survey Feet

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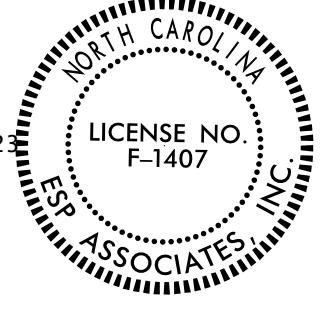
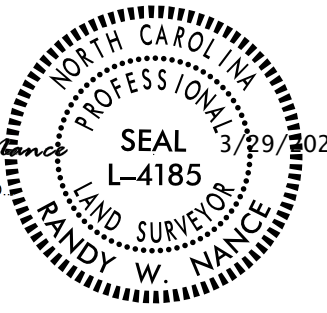
This 29th day of March, 2023.

DocuSigned by:
Randy W Nance
E99E1A61233449D

Professional Land Surveyor L-4185

DocuSigned by:
Randy W Nance
E99E1A61233449D

Professional Land Surveyor L-4185



NOTES:

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6/2/2023

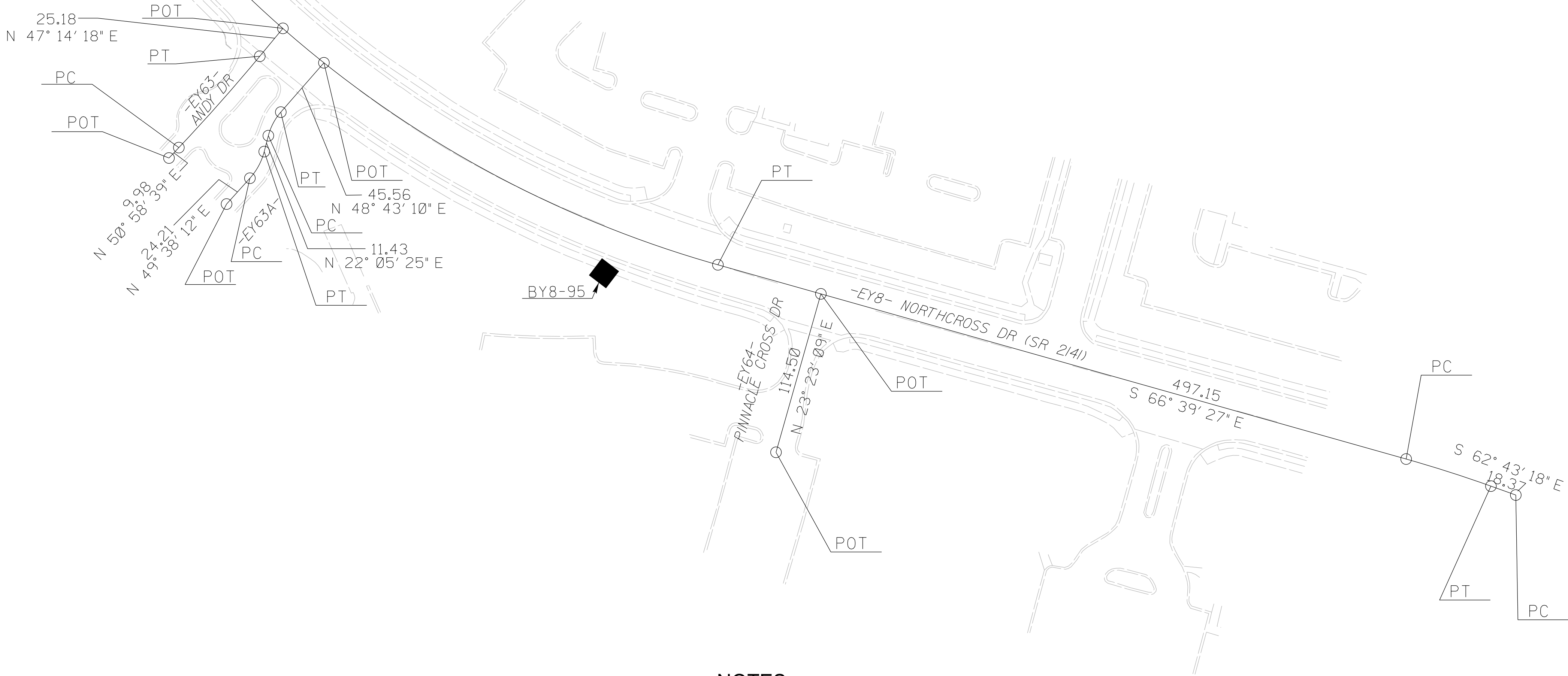
REVISIONS

29-MAR-2023 15:01
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ppetrucal AT ESP2061517

SURVEY CONTROL SHEET
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION
CONTROL SHEET PRODUCED BY ESP ASSOCIATES, INC
NO SURVEY CONTROL PERFORMED BY ESP ASSOCIATES, INC

PROJECT REFERENCE NO.	SHEET NO.
U-5765	RW02C-7
Location and Surveys	
ESP ASSOCIATES, INC 3475 LAKEMONT BLVD FT MILL, SC 29708	
PROJECT SURVEYOR: RANDY W. NANCE  LICENSE NO. F-1407	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCHLINE -EY8-,
SEE SHEET RW02C-5

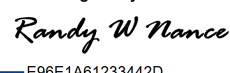


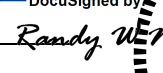
I, Randy W. Nance, PLS, certify that the Project Control was verified under my supervision from an actual Conventional survey made under my supervision and the following information was used to perform the survey:

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Datum/Epoch: NAD 83/NA 2011
Published/Fixed-control use: N/A
Localized around: I5405-1
Northing: 592139.1240
Easting: 1450285.3080
Combined grid factor: 0.999844000
Geoid model:
Units: US Survey Feet

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This 29th day of March, 2023.

DocuSigned by:

E9BE1A61233442D
Professional Land Surveyor L-4185

DocuSigned by:

E9BE1A61233442D
Professional Land Surveyor L-4185

SEAL
L-4185
3/29/2023
RANDY W. NANCE
ESP ASSOCIATES, INC

LICENSE NO.
F-1407

NOTES:

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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

29-MAR-2023, 5:01 PM
E:\Projects\NCOT_2022\J001167_U5765.con-esp\Location\J5765_1s-rw02c-8.dgn
petrucci AT ESP2061517

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

CONTROL SHEET PRODUCED BY ESP ASSOCIATES, INC
NO SURVEY CONTROL PERFORMED BY ESP ASSOCIATES, INC

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PT	622126.644	1435979.135	S 82°36'38.7" E	140.21					
LINE									
PC	622108.612	1436118.183	S 82°29'31.8" E	0.01	00°14'13.8"(RT)	34°58'48.9"	0.01	0.00	1.75
CURVE									
PT	622108.611	1436118.190	S 82°22'24.9" E	188.69					
LINE									
POT	622083.569	1436305.208	S 82°25'22.9" E	5015.00					
LINE									
POT	621422.302	1441276.418	S 84°04'45.4" E	3443.08					
LINE									
POT	621067.140	1444701.130							

EY7 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	622166.509	1439740.730	S 45°15'31.8" W	43.31					
LINE									
PC	622136.022	1439709.966	S 39°55'28.0" W	158.53	10°40'07.5"(LT)	06°43'12.1"	158.76	79.61	852.61
CURVE									
PT	622014.445	1439608.224	S 34°35'24.2" W	3.35					
LINE									
PC	622011.689	1439606.323	S 23°54'27.4" W	182.70	21°21'53.8"(LT)	11°37'34.1"	183.77	92.96	492.82
CURVE									
PCC	621844.661	1439532.280	S 10°24'24.0" W	61.15	05°38'12.9"(LT)	09°12'51.5"	61.18	30.61	621.81
CURVE									
PT	621784.516	1439521.234	S 07°35'17.6" W	394.79					
LINE									
PC	621393.179	1439469.101	S 13°07'03.4" W	183.30	11°03'31.5"(RT)	06°01'26.0"	183.58	92.08	951.14
CURVE									
PT	621214.665	1439427.501	S 18°38'49.1" W	9.49					
LINE									
PC	621205.671	1439424.466	S 27°19'47.5" W	321.35	17°21'56.8"(RT)	05°23'00.2"	322.58	162.54	1064.31
CURVE									
PCC	620920.193	1439276.932	S 41°19'41.0" W	146.03	10°37'50.2"(RT)	07°16'09.7"	146.24	73.33	788.18
CURVE									
PT	620810.533	1439180.499	S 46°38'36.1" W	164.11					
LINE									
PC	620697.865	1439061.174	S 46°20'11.2" W	250.17	00°36'49.8"(LT)	00°14'43.3"	250.17	125.09	23351.08
CURVE									
PT	620525.141	1438880.199	S 46°01'46.3" W	62.97					
LINE									
POT	620481.420	1438834.878							

EY8 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	621387.657	1441610.496	S 01°00'41.5" W	177.10					
LINE									
PC	621210.582	1441607.370	S 32°49'22.7" E	867.77	67°40'08.4"(LT)	07°21'09.7"	920.33	522.34	779.25
CURVE									
PT	620481.355	1442077.738	S 66°39'26.8" E	497.15					
LINE									
PC	620284.371	1442534.196	S 64°41'22.6" E	61.87	03°56'08.5"(RT)	06°21'36.6"	61.88	30.95	900.85
CURVE									
PT	620257.921	1442590.125	S 62°43'18.4" E	18.37					
LINE									
PC	620249.502	1442606.452	S 36°24'12.0" E	676.66	52°38'12.7"(RT)	07°30'29.6"	701.06	377.46	763.11
CURVE									
PCC	619704.884	1443008.028	S 06°29'19.4" E	164.16	07°11'32.5"(RT)	04°22'42.1"	164.27	82.24	1308.61
CURVE									
PT	619541.773	1443026.580	S 02°53'33.1" E	552.97					
LINE									
PC	618989.511	1443054.484	S 01°27'26.7" E	115.41	02°52'12.9"(RT)	02°29'12.0"	115.43	57.72	2304.12
CURVE									
PCC	618874.135	1443057.419	S 11°48'25.1" W	786.47	23°39'30.8"(RT)	02°59'12.7"	792.09	401.77	1918.26
CURVE									
PT	618104.305	1442896.495	S 23°38'10.5" W	6.99					
LINE									
PC	618097.900	1442893.693	S 25°47'42.6" W	142.04	04°19'04.2"(RT)	03°02'20.8"	142.08	71.07	1885.28
CURVE									
PT	617970.012	1442831.882	S 27°57'14.7" W	200.77					
LINE									
PC	617792.667	1442737.768	S 29°14'54.4" W	173.69	02°35'19.5"(RT)	01°29'25.0"	173.71	86.87	3844.63
CURVE									
PT	617641.117	1442652.902							

EY50 POINT	N	E	BEARING	DIST
POT	622297.775	1437046.374	S 07°32'37.8" W	310.07
LINE				
POT	621990.394	1437005.667		

EY51 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	621988.726	1437018.183	S 03°02'43.7" E	73.98					
LINE									
PC	621914.848	1437022.114	S 28°04'40.3" E	191.61	50°03'53.2"(LT)	25°18'20.2"	197.84	105.74	226.42
CURVE									
PCC	621745.792	1437112.297	S 70°58'57.9" E	90.82	35°44'42.1"(LT)	38°43'29.1"	92.31	47.71	147.96
CURVE									
PT	621716.200	1437198.156	S 88°51'18.9" E	185.12					
LINE									
PC	621712.501	1437383.236	S 86°28'06.3" E	45.20	04°46'25.3"(RT)	10°33'26.6"	45.22	22.62	542.71
CURVE									
PT	621709.717	1437428.354	S 84°04'53.6" E	109.48					
LINE									
PC	621698.428	1437537.252	S 78°49'31.5" E	70.64	10°30'44.2"(RT)	14°51'40.9"	70.74	35.47	385.54
CURVE									
PT	621684.739	1437606.549	S 73°34'09.4" E	206.61					
LINE									
POT	621626.299	1437804.718							

PROJECT REFERENCE NO.

B-5794

SHEET NO.

RW02C-8

Location and Surveys

ESP ASSOCIATES, INC
3475 LAKEMONT BLVD
FT MILL, SC 29708

PROJECT SURVEYOR:
RANDY W. NANCE



LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, Randy W. Nance, PLS, certify that the Project Control was verified under my supervision from an actual Conventional survey made under my supervision and the following information was used to perform the survey:

Class of survey: Conventional Survey
Type of GPS field procedure: Trimble Robotic Total Station
Dates of survey: 01/26/2023 to 03/13/2023
Datum/Epoch: NAD 83/NA 2011
Published/Fixed-control use: N/A
Localized around: I5405-1
Northing: 592139.1240
Easting: 1450285.3080
Combined grid factor: 0.999844000
Geoid model:
Units: US Survey Feet

Field work was performed from 01/26/2023 to 03/13/2023 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 29th day of March, 2023.

DocuSigned by:
Randy W Nance
E98E1AE1233462D

DocuSigned by:
Randy W Nance
E98E1AE1233462D
Professional Land Surveyor L-4185



EY52 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	621742.426	1436440.235	N 82°18'17.4" E	232.06	101°42'42.0"(RT)	38°17'50.9"	265.58	183.80	149.61
CURVE									
PT	621773.499	1436670.204	S 46°50'21.6" E	24.87					
LINE									
PC	621756.487	1436688.346	S 68°41'48.8" E	105.47	43°42'54.4"(LT)	40°26'54.6"	108.08	56.82	141.65
CURVE									
PT	621718.168	1436786.613	N 89°26'44.0" E	158.64					
LINE									
PC	621719.703	1436945.248	N 70°29'38.0" E	97.81	37°54'12.0"(LT)	38°02'58.9"	99.62	51.71	150.58
CURVE									
PT	621752.362	1437037.443	N 51°32'32.0" E	47.23					
LINE									
POT	621781.739	1437074.431							

EY53 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	621790.799	1438506.183	S 08°14'01.6" W	97.33					
LINE									
PC	621694.470	1438492.243	S 31°49'05.4" W	51.70	47°10'07.6"(RT)	88°40'36.6"	53.19	28.21	64.61
CURVE									
PT	621650.537	1438464.985	S 55°24'08.0" W	70.23					
LINE									
POT	621610.660	1438407.175							

NOTES:

- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- 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.

6/2/2023

REVISIONS

29-MAR-2023 15:01
E:\Projects\NC DOT\2022\J001167\J05765\con_esp\Location\J05765_1s-rw02c-9.dgn
petrucci AT ESPSC061517

SURVEY CONTROL SHEET
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION
CONTROL SHEET PRODUCED BY ESP ASSOCIATES, INC
NO SURVEY CONTROL PERFORMED BY ESP ASSOCIATES, INC

EY53A POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	621610.660	1438407.175	S 33°00'35.6" E	89.30					
LINE									
PC	621535.776	1438455.824	S 10°08'14.9" E	42.81	45°44'41.4"(RT)	104°02'11.2"	43.97	23.23	55.07
CURVE									
PT	621493.633	1438463.359	S 12°44'05.9" W	16.47					
LINE									
POT	621477.569	1438459.728							

EY54 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	622104.059	1438440.565	S 39°09'20.4" E	28.97					
LINE									
PC	622081.591	1438458.860	S 28°10'43.5" E	91.58	21°57'13.9"(RT)	23°49'29.0"	92.15	46.65	240.49
CURVE									
PCC	622000.861	1438502.109	S 06°30'19.6" E	110.96	21°23'33.8"(RT)	19°10'06.5"	111.60	56.46	298.91
CURVE									
PT	621890.619	1438514.680	S 04°11'27.3" W	100.24					
LINE									
POT	621790.646	1438507.354							

EY55 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	621842.237	1440563.006	S 22°21'27.5" E	18.06					
LINE									
PC	621825.531	1440569.877	S 07°31'01.1" E	96.90	29°40'52.8"(RT)	30°17'27.3"	97.99	50.12	189.15
CURVE									
PT	621729.468	1440582.553	S 07°19'25.3" W	213.00					
LINE									
POT	621518.210	1440555.401							

EY62 POINT	N	E	BEARING	DIST
POT	620671.490	1438876.272		
LINE			S 44°18'09.4" E	108.27
POT	620594.008	1438951.890		

EY62A POINT	N	E	BEARING	DIST
POT	620651.177	1438852.340		
LINE			S 43°13'07.2" E	110.15
POT	620570.903	1438927.772		

EY63 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	620605.291	1441709.266	N 50°58'38.7" E	9.98					
LINE									
PC	620611.572	1441717.017	N 49°06'28.5" E	84.87	03°44'20.4"(LT)	04°24'17.0"	84.89	42.46	1300.78
CURVE									
PT	620667.132	1441781.174	N 47°14'18.3" E	25.18					
LINE									
POT	620684.230	1441799.663							

EY63A POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	620568.277	1441744.734	N 49°38'12.2" E	24.21					
LINE									
PC	620583.954	1441763.179	N 35°51'48.4" E	21.02	27°32'47.6"(LT)	129°48'32.7"	21.22	10.82	44.14
CURVE									
PT	620600.987	1441775.492	N 22°05'24.6" E	11.43					
LINE									
PC	620611.580	1441779.791	N 35°24'17.4" E	18.54	26°37'45.7"(RT)	142°22'25.7"	18.70	9.52	40.24
CURVE									
PT	620626.688	1441790.530	N 48°43'10.3" E	45.56					
LINE									
POT	620656.745	1441824.766							

EY64 POINT	N	E	BEARING	DIST
POT	620346.784	1442100.585		
LINE			N 23°23'08.5" E	114.50
POT	620451.883	1442146.034		

I, Randy W. Nance, PLS, certify that the Project Control was verified under my supervision from an actual Conventional survey made under my supervision and the following information was used to perform the survey:

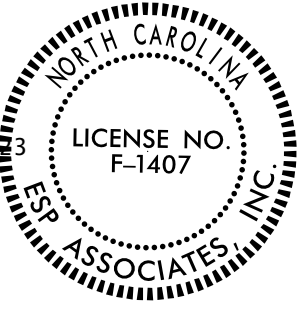
Class of survey: Conventional Survey
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Dates of survey: 01/26/2023 to 03/13/2023
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Field work was performed from 01/26/2023 to 03/13/2023 and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 29th day of March, 2023.

DocuSigned by:
Randy W Nance
E09E1A81233442D
Professional Land Surveyor L-4185

DocuSigned by:
Randy W Nance
E09E1A81233442D



BL	POINT	DESC.	NORTH	EAST	ELEVATION
1		R5721-1	625514.5312	1399794.8468	762.20
2		R5721-2	625356.7680	1400743.3368	740.81
19		BL-19	625187.5030	1401737.6250	721.67
20		BL-20	625061.6480	1402461.6730	725.17
21		BL-21	624686.5110	1403248.9110	740.43
22		BL-22	624236.6410	1403930.1770	746.69
23		BL-23	623779.7230	1404559.0980	735.50
3		R5721-3	623268.4390	1405210.5940	737.82
6		R5721-6	622734.0128	1406024.7967	767.60
24		BL-24	622396.7340	1406562.5100	794.69
25		BL-25	622203.4530	1407228.3940	813.05
26		BL-26	622003.0730	1407972.7510	807.13
29		BL-29	621852.9400	1408595.6620	809.63
30		BL-30	621649.0600	1409383.6820	819.81
31		BL-31	621229.0440	1410028.3140	820.46
7		R5721-7	620660.2090	1410454.2790	803.74
8		R5721-8	620099.2835	1411139.7596	775.83
32		BL-32	619684.8260	1411753.3910	753.32
33		BL-33	619155.9780	1412442.4080	726.89
34		BL-34	618607.7620	1413115.1060	699.03
9		R5721-9	618035.7655	1413777.1867	702.73
10		R5721-10	617423.5544	1414542.7208	694.84
35		BL-35	616936.3250	1415224.0040	694.72
36		BL-36	616600.7650	1415786.9280	694.29
37		BL-37	616311.3370	1416631.2780	694.40
38		BL-38	616184.5200	1417655.1780	693.94
39		BL-39	616069.2490	1418610.4780	705.20
40		BL-40	615976.4090	1419410.6530	738.54
41		BL-41	616060.2210	1420203.3050	768.02
42		BL-42	616164.7080	1420968.1930	787.73
43		BL-43	616282.9220	1421831.1920	783.09
11		R5721-11	616408.5340	1422625.0263	773.95
12		R5721-12	616442.4330	1423826.2917	800.35
44		BL-44	616421.3980	1424503.2210	793.08
45		BL-45	616390.3650	1425244.6920	776.98
46		BL-46	616360.2850	1426109.5090	773.10
47		BL-47	616067.1070	1427008.8090	774.00
48		BL-48	615770.9920	1427956.9580	780.47
49		BL-49	615623.9000	1428833.6980	783.94
13		R5721-13	615886.8110	1429762.8218	785.52
14		R5721-14	616655.7863	1430460.4470	781.85
50		BL-50	617300.9340	1431102.1950	783.91
51		BL-51	617711.3060	1431960.3980	777.09
52		BL-52	618341.9510	1432386.7330	765.48
53		BL-53	619041.7170	1432831.5620	763.93
15		R5721-15	619807.6220	1433353.4360	761.09
16		R5721-16	620680.2221	1433958.3483	777.76
54		BL-54	621367.1140	1434605.2860	791.98
55		BL-55	621849.8040	1435157.9380	791.40
56		BL-56	622197.5300	1435870.1110	788.80
57		BL-57	622065.6290	1436727.2470	761.08
58		BL-58	621949.4230	1437623.8800	769.03
17		R5721-17	621866.7875	1438549.4172	735.84
18		R5721-18	621594.8721	1439560.2469	724.21
59		BL-59	621584.3600	1440506.3630	703.20
60		BL-60	621453.1640	1441344.8410	702.07
27		15405-27	621398.6200	1441900.0100	705.41
28		15405-28	621180.2200	1443147.8300	738.88

BY7	POINT	DESC.	NORTH	EAST	ELEVATION
429			621594.8721	1439560.2469	724.21

BY8	POINT	DESC.	NORTH	EAST	ELEVATION
93		BY8-93	622499.9180	1441995.6240	725.90
202		U5108-2	621854.6364	1441783.3157	705.87
27		15405-27	621398.6200	1441900.0100	705.41
94		BY8-94	621006.7570	1441573.2680	721.74
95		BY8-95	620485.9590	1441998.3960	739.03
96		BY8-96	620238.9470	1442688.4410	749.29

NOTES:

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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

PROPOSED ALIGNMENT CONTROL SHEET

L2			
TYPE	STATION	NORTH	EAST
POT	414+91.25	622123.9332	1436001.7663
PC	465+81.09	621452.7970	1441047.1651
PT	470+43.60	621398.4456	1441506.4565
POT	492+27.34	621173.1876	1443678.5495

Y42			
TYPE	STATION	NORTH	EAST
POT	10+00.00	622297.7751	1437046.3742
POT	13+10.06	621990.3948	1437005.6675

Y43			
TYPE	STATION	NORTH	EAST
POT	10+00.00	621988.7300	1437018.1829
PC	10+74.46	621914.3769	1437022.1387
PT	12+71.84	621745.9094	1437112.3847

Y44			
TYPE	STATION	NORTH	EAST
POT	10+00.00	622104.0586	1438440.5647
PC	10+23.17	622086.0893	1438455.1969
PT	12+30.62	621892.7029	1438514.8571
POT	13+32.89	621790.7994	1438506.1827

Y45			
TYPE	STATION	NORTH	EAST
POT	10+00.00	621790.7994	1438506.1827
PC	10+97.16	621694.6377	1438492.2677
PT	11+50.67	621650.4412	1438464.8455
POT	12+20.73	621610.6604	1438407.1751

Y46			
TYPE	STATION	NORTH	EAST
PC	10+00.00	622011.6886	1439606.3233
PT	12+34.13	621795.3444	1439522.6770
POT	13+72.67	621658.0171	1439504.3823

Y47			
TYPE	STATION	NORTH	EAST
POT	10+00.00	621658.0171	1439504.3823
PC	12+62.51	621397.8099	1439469.7177
PT	14+60.22	621205.6705	1439424.4663

Y48			
TYPE	STATION	NORTH	EAST
POT	10+00.00	621988.6499	1440493.6285
PC	11+90.42	621816.4382	1440574.8804
PT	13+33.69	621676.7976	1440596.5997
POT	14+96.32	621515.5835	1440575.1551

Y48A			
TYPE	STATION	NORTH	EAST
POT	10+00.00	621517.2765	1440562.4278
PC	11+39.04	621380.1873	1440539.2154
PT	12+72.22	621256.5111	1440492.1572
PC	14+56.38	621100.4241	1440394.4230
PT	16+00.00	621004.7218	1440289.6920

Y49			
TYPE	STATION	NORTH	EAST
POT	10+00.00	622719.3216	1442045.0398
PC	13+83.07	622355.1605	1441926.1673
PT	14+17.58	622321.5944	1441918.3347
POT	15+89.29	622151.6435	1441893.8698
PC	16+88.57	622063.2747	1441848.6208
PT	17+31.18	622023.5715	1441833.3715
PC	18+90.25	621869.8514	1441792.4489
PRC	19+74.66	621792.8652	1441758.6537
PT	24+07.79	621386.5590	1441621.0755

Y49A			
TYPE	STATION	NORTH	EAST
POT	10+00.00	622192.6793	1441644.1305
PC	10+58.66	622181.5102	1441701.7197
PT	11+26.56	622170.0948	1441768.6496
POT	12+53.14	622151.6435	1441893.8698

Y50			
TYPE	STATION	NORTH	EAST
POT	10+00.00	621386.4338	1441622.2834
PC	10+93.22	621293.7080	1441612.6672
PCC	15+05.16	620894.1796	1441686.6605
PRC	16+24.40	620799.1050	1441757.6562
PT	16+49.26	620780.5134	1441774.1092
POT	17+58.09	620692.9382	1441838.7247
PC	18+34.76	620632.6797	1441886.1225
PCC	18+87.73	620593.6785	1441921.8895
PT	21+29.61	620461.7420	1442123.1878
POT	25+77.26	620284.3707	1442534.1964

Y50A			
TYPE	STATION	NORTH	EAST
POT	10+00.00	620563.3995	1441697.8875
PC	10+54.96	620597.8216	1441740.7317
PT	11+14.97	620638.1207	1441785.1480
POT	11+91.62	620692.9382	1441838.7247

DR1			
TYPE	STATION	NORTH	EAST
POT	10+00.00	620363.2087	1442104.0022
POT	10+98.11	620454.3550	1442140.3053

DR2			
TYPE	STATION	NORTH	EAST
POT	10+00.00	621904.0258	1438952.3208
PC	10+82.43	621836.5233	1438999.6241
PT	11+35.03	621787.6438	1439017.3676
POT	12+00.86	621722.0545	1439022.9688

DR8			
TYPE	STATION	NORTH	EAST
POT	10+00.00	621540.2826	1442326.0215
POT	12+25.62	621315.7761	1442303.6130

RAB1			
TYPE	STATION	NORTH	EAST
PC	10+00.00	622204.1028	1441901.4214
PCC	10+83.08	622159.3697	1441841.4360
PCC	11+49.00	622104.4684	1441869.7139
PCC	12+41.00	622135.5711	1441944.3740
PT	13+33.01	622204.1028	1441901.4214

RAB2			
TYPE	STATION	NORTH	EAST
PC	10+00.00	620734.5957	1441805.9580
PCC	10+90.16	620655.0351	1441801.6795
PCC	11+66.50	620651.2808	1441871.4914
PCC	12+49.76	620725.7049	1441880.3822
PT	13+33.01	620734.5957	1441805.9580

SW			
TYPE	STATION	NORTH	EAST
POT	10+00.00	621974.2806	1441766.4562
POT	10+21.48	621953.9306	1441759.5702
POT	10+48.05	621927.5084	1441756.8179
POT	10+86.79	621890.3513	1441745.8628
POT	11+03.77	621877.8030	1441757.3119

GW2			
TYPE	STATION	NORTH	EAST
PC	10+00.00	621620.2031	1440772.9801
PT	10+33.43	621587.7740	1440765.1339
POT	10+50.54	621570.8146	1440762.8661

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.

PROJECT REFERENCE NO.

U-5765

SHEET NO.

RW02D-1

Location and Surveys

ESP ASSOCIATES, INC
7140 WEDDINGTON RD
SUITE 108
CONCORD, NC 28027

PROJECT SURVEYOR:
JAMES E. DAVIS

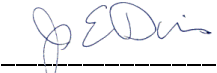


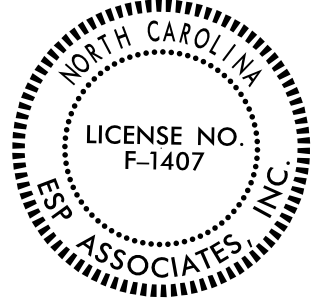
LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

I, James E. Davis, PLS, certify that the data compiled came from available surveys/mapping performed by others and provided to me by NCDOT and do not certify to the accuracy or quality of the individual data sources.

This 2nd day of July, 2026.


Professional Land Surveyor L-3747
7/2/2026 | 2:37:45 PM EDT



6/2/99

20 JUN 2026 17:58
ESP-PLANS-NC001-2026-25-01054.053-05765.CON\ESP_3\Location_Survey\New_RW_Sheets\U5765-1.s-rw03e-1.dgn
ppetr-ucol_esp52061517

REVISIONS

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
L2	424+30.00	-90.00	622089.3663	1436944.1826
L2	425+44.00	-95.00	622079.2902	1437057.8508
L2	425+63.00	86.81	621896.5666	1437052.7124
L2	425+70.00	-90.00	622070.9056	1437082.9645
L2	425+70.00	-95.00	622075.8619	1437083.6238
L2	428+49.00	-90.00	622034.1172	1437359.5285
L2	429+54.00	-96.00	622026.2197	1437464.4028
L2	429+97.00	-90.00	622014.6022	1437506.2362
L2	430+80.00	70.00	621845.0550	1437567.4142
L2	430+80.00	-90.00	622003.6580	1437588.5115
L2	431+85.00	-90.00	621989.8129	1437692.5947
L2	432+33.00	-97.00	621990.4226	1437741.0986
L2	432+46.00	-90.00	621981.7695	1437753.0621
L2	432+80.00	70.00	621818.6834	1437765.6680
L2	433+07.00	92.00	621793.3153	1437789.5313
L2	434+04.00	70.00	621802.3330	1437888.5853
L2	434+60.00	70.00	621794.9489	1437944.0963
L2	434+60.00	-90.00	621953.5519	1437965.1936
L2	439+67.00	-90.00	621886.6999	1438467.7668
L2	439+67.00	-136.00	621932.2983	1438473.8323
L2	439+77.00	90.00	621706.9530	1438453.9450
L2	440+52.70	90.00	621696.9718	1438528.9804
L2	440+63.00	-90.00	621874.0415	1438562.9286
L2	440+63.00	-109.00	621892.8756	1438565.4339
L2	440+79.00	-129.00	621910.5913	1438583.9313
L2	441+00.00	90.00	621690.7344	1438575.8711
L2	441+04.00	-109.00	621887.4695	1438606.0759
L2	442+71.00	-109.00	621865.4492	1438771.6178
L2	442+90.00	-136.00	621889.7081	1438794.0120
L2	443+00.00	90.00	621664.3634	1438774.1204
L2	443+68.00	-132.00	621875.4581	1438870.8035
L2	444+19.00	-90.00	621827.1001	1438915.8202
L2	444+19.00	-115.00	621851.8818	1438919.1167
L2	449+22.00	-90.00	621760.7755	1439414.4283
L2	450+88.00	-109.00	621757.7212	1439581.4842
L2	451+13.00	-109.00	621754.4247	1439606.2659
L2	451+13.00	-94.00	621739.5557	1439604.2881
L2	451+14.00	90.00	621557.0304	1439581.0174
L2	453+71.00	-94.00	621705.5363	1439860.0354
L2	454+05.00	-90.00	621697.0881	1439893.2111
L2	456+84.00	-90.00	621660.2997	1440169.7750
L2	456+84.00	90.00	621481.8713	1440146.0406
L2	457+75.00	-90.00	621648.3006	1440259.9804
L2	458+25.00	-102.00	621653.6029	1440311.1262
L2	458+39.00	-90.00	621639.8617	1440323.4216
L2	458+72.00	90.00	621457.0820	1440332.3991
L2	458+72.00	-90.00	621635.5104	1440356.1335
L2	461+85.00	-90.00	621594.2388	1440666.4006
L2	462+00.00	90.00	621413.8326	1440657.5352
L2	463+33.00	-90.00	621574.7238	1440813.1083
L2	463+33.00	-105.00	621589.5929	1440815.0862
L2	464+46.00	-90.00	621559.8239	1440925.1217
L2	464+46.00	-105.00	621574.6929	1440927.0996
L2	468+50.00	-87.75	621506.7494	1441324.1198
L2	468+50.00	-105.00	621523.8819	1441326.1063
L2	469+50.00	-105.15	621512.9001	1441424.8407
L2	470+40.00	-110.81	621509.0377	1441514.3289
L2	472+50.00	-82.00	621458.7178	1441720.2116
L2	472+70.00	96.00	621279.6043	1441721.7438
L2	473+48.00	60.00	621307.3664	1441803.0412
L2	473+72.00	60.00	621304.8907	1441826.9132
L2	474+56.00	76.00	621280.3113	1441908.8146
L2	474+66.00	76.00	621279.2798	1441918.7613
L2	474+93.00	60.00	621292.4093	1441947.2677
L2	476+05.00	66.50	621274.3909	1442057.9998
L2	476+05.00	60.00	621280.8562	1442058.6702
L2	476+75.00	-89.00	621421.8408	1442143.6665
L2	476+75.00	-82.00	621414.8791	1442142.9445
L2	476+87.00	-80.00	621411.6509	1442154.6741
L2	476+87.00	-89.00	621420.6029	1442155.6025
L2	477+21.00	-76.46	621404.6210	1442188.1274
L2	477+21.00	-80.00	621408.1438	1442188.4928
L2	477+31.00	-80.00	621407.1122	1442198.4394
L2	477+31.00	-75.42	621402.5534	1442197.9666
L2	477+83.00	-70.00	621391.8017	1442249.1305
L2	478+26.89	-70.00	621387.2743	1442292.7864
L2	478+26.91	-60.00	621377.3256	1442291.7748
L2	478+28.61	69.00	621248.8384	1442280.1584
L2	478+28.64	60.00	621257.7877	1442281.1126

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y42	11+75.00	30.00	622128.2283	1436993.6590
Y42	11+90.00	-30.00	622105.4811	1437051.1704

NOT SET-IN SHRUB

NOT SET-INSIDE FENCE

MAG NAIL

6" SURVEY NAIL IN STUMP

NOT SET-PAINT MARK ON ROCK

MAG NAIL

MAG NAIL

MAG NAIL

MAG NAIL

MAG NAIL

MAG NAIL

MAG NAIL

MAG NAIL

MAG NAIL

MAG NAIL

MAG NAIL

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MAG NAIL

MAG NAIL

RIGHT OF WAY CONTROL SHEET

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y43	11+46.00	-25.08	621853.8273	1437060.5078
Y43	11+46.00	-27.00	621854.5249	1437062.3002

REBAR ONLY

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y45	10+97.16	-36.00	621689.4820	1438527.8966
Y45	11+40.00	33.96	621681.6206	1438449.5028
Y45	11+50.67	-32.38	621623.7931	1438483.2388
Y45	11+50.67	-36.00	621620.8136	1438485.2955

NOT SET-PAINT MARK

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y46	11+08.00	45.87	621934.2309	1439512.5218
Y46	11+08.00	48.00	621935.0354	1439510.5493
Y46	11+09.00	-47.46	621898.1498	1439598.5972
Y46	11+14.00	-56.00	621890.8218	1439604.8689
Y46	11+38.00	47.86	621904.1601	1439499.1857
Y46	11+43.00	-47.54	621869.2635	1439588.1083
Y46	11+57.00	-47.50	621857.1923	1439584.3068
Y46	12+37.00	-48.00	621786.1589	1439569.8774
Y46	12+50.00	58.07	621787.2791	1439463.0230

NOT SET-PAINT MARK ON BK WALL

MAG NAIL

NOT SET-PAINT MARK ON CONC SW

MAG NAIL

MAG NAIL

NOT SET-PAINT MARK ON CONC SW

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y47	11+16.00	-54.00	621535.9021	1439542.5914
Y47	12+62.51	-54.00	621390.6780	1439523.2447
Y47	13+12.00	-49.67	621339.9445	1439510.8198
Y47	13+12.00	-56.00	621338.7990	1439517.0465

MAG NAIL

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y48	12+10.00	-155.00	621853.3859	1440727.4608
Y48	12+10.60	-117.00	621839.0886	1440692.2409
Y48	12+17.00	-86.00	621820.0746	1440666.1580
Y48	12+25.00	-170.00	621834.8892	1440749.7105
Y48	12+35.60	-38.50	621783.9570	1440627.5788
Y48	12+45.00	-168.00	621802.0077	1440756.4770
Y48	12+60.00	-120.00	621769.6283	1440713.9073
Y48	12+90.00	-75.00	621723.5753	1440673.4889
Y48	13+08.00	-60.00	621700.6230	1440658.6478
Y48	13+55.22	-77.00	621645.3009	1440670.0883

6" SURVEY NAIL

PAINT MARK

PAINT MARK

MAG NAIL

6" SURVEY NAIL

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y48A	12+00.00	-105.00	621285.6040	1440622.4599
Y48A	14+45.00	-95.00	621059.6504	1440480.9790
Y48A	14+87.00	-42.45	621048.9367	1440409.8537

NOT SET-BOULDER

MAG NAIL

ROW MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y50	11+17.00	-111.00	621262.2285	1441721.3321
Y50	11+56.00	-85.00	621229.7007	1441693.9132
Y50	12+81.00	-67.00	621117.0644	1441683.9355
Y50	13+08.00	-66.00	621092.7685	1441687.2558
Y50	13+33.00	-82.00	621074.2264	1441707.6282
Y50	14+07.00	-64.31	621005.4910	1441709.1174
Y50	14+49.00	-78.00	620974.9601	1441735.3278
Y50	14+60.00	-78.00	620965.9244	1441739.1389
Y50	14+86.00	-61.00	620937.5206	1441733.3335
Y50	15+62.00	-49.00	620874.8203	1441755.9060
Y50	16+02.00	76.64	620762.8473	1441685.7476
Y50	16+02.00	-45.00	620845.6416	1441774.8571
Y50	16+72.68	84.29	620711.6238	1441720.1891
Y50	16+77.00	-73.00	620801.5317	1441849.3210
Y50	17+06.00	-97.00	620792.4452	1441885.8509
Y50	17+75.00	-106.00	620745.1815	1441932.4932
Y50	18+52.00	52.90	620584.6805	1441857.1922
Y50	18+76.00	-54.00	620639.9820	1441951.6934
Y50	19+17.00	45.32	620539.7792	1441914.0827
Y50	19+17.00	-39.00	620603.6608	1441969.1171
Y50	20+07.00	-39.00	620552.4772	1442036.8878
Y50	20+15.00	-45.00	620553.4049	1442046.4632
Y50	20+68.00	-45.00	620528.1999	1442089.1596
Y50	20+77.00	-39.00	620518.9292	1442093.8097
Y50	21+18.00	30.10	620438.9946	1442100.1821
Y50	21+23.00	37.00	620430.5584	1442102.1500
Y50	21+78.00	38.00	620407.6790	1442152.5598
Y50	21+86.00	30.00	620411.8535	1442163.0744
Y50	23+60.00	-30.00	620397.9990	1442346.6067
Y50	23+60.00	-35.00	620402.5903	1442348.5881

MAG NAIL

REVISIONS

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RIGHT OF WAY CONTROL SHEET

PERMANENT EASEMENT MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
L2	422+10.00	110.00	621920.1207	1436699.7362
L2	422+10.00	85.63	621944.2813	1436702.9500
L2	422+43.15	110.00	621915.7491	1436732.6010
L2	422+47.71	85.75	621939.1837	1436740.3168
L2	426+70.00	-93.00	622073.8794	1437083.3601
L2	427+41.70	76.00	621883.7151	1437231.2755
L2	428+00.00	-93.00	622043.5520	1437311.3519
L2	428+48.14	-104.98	622049.0748	1437360.6549
L2	429+56.07	-110.86	622040.6727	1437468.4166
L2	429+99.29	-105.00	622029.1693	1437510.4838
L2	430+79.93	-105.07	622018.6079	1437590.4248
L2	430+80.00	76.00	621839.1074	1437566.6231
L2	430+80.00	80.00	621835.1423	1437566.0957
L2	431+50.99	-99.79	622004.0031	1437660.1705
L2	432+32.00	80.00	621815.0999	1437716.7685
L2	432+32.00	82.00	621813.1174	1437716.5048
L2	432+60.00	80.00	621811.4079	1437744.5240
L2	432+60.00	82.00	621809.4253	1437744.2603
L2	432+76.44	80.00	621809.2399	1437760.8222
L2	433+04.46	102.83	621782.9148	1437785.5859
L2	434+02.00	-100.00	621971.1124	1437909.0186
L2	434+48.58	70.00	621796.4546	1437932.7770
L2	439+67.00	-101.00	621897.5993	1438469.2166
L2	440+92.00	-136.00	621915.8160	1438597.7408
L2	441+18.00	-109.00	621885.6235	1438619.9537
L2	444+51.40	-105.00	621837.6969	1438949.9152
L2	446+77.00	-105.00	621807.9498	1439173.5454
L2	446+77.00	-115.00	621817.8624	1439174.8640
L2	447+33.00	-105.00	621800.5657	1439229.0564
L2	447+33.00	-115.00	621810.4784	1439230.3750
L2	448+14.00	-105.00	621789.8852	1439309.3492
L2	448+14.00	-108.00	621792.8590	1439309.7447
L2	448+44.00	-108.00	621788.9033	1439339.4828
L2	448+44.00	-105.00	621785.9295	1439339.0872
L2	449+32.00	90.00	621581.0286	1439400.6066
L2	449+42.51	-105.00	621772.9406	1439436.7333
L2	449+47.52	100.67	621568.4036	1439414.5860
L2	450+92.47	-109.00	621757.1313	1439585.9186
L2	453+72.75	-108.90	621720.0724	1439863.7370
L2	454+04.78	-104.87	621711.8541	1439894.9493
L2	454+62.00	-90.00	621689.5722	1439949.7134
L2	454+62.00	-104.89	621704.3360	1439951.6772
L2	458+97.95	-90.00	621632.0882	1440381.8605
L2	458+97.95	-102.44	621644.4180	1440383.5012
L2	459+98.23	-108.47	621637.1773	1440483.6947
L2	462+00.00	-141.00	621642.8157	1440687.9944
L2	462+00.00	-116.53	621618.5575	1440684.7676
L2	462+35.00	90.00	621409.2176	1440692.2296
L2	462+42.00	130.00	621368.6438	1440693.8941
L2	462+69.00	142.00	621353.1884	1440719.0761
L2	463+02.54	109.71	621380.7777	1440756.5765
L2	463+18.60	-110.00	621596.4464	1440801.4729
L2	463+36.79	-126.13	621610.0413	1440821.6287
L2	463+60.02	-123.73	621604.6002	1440844.3429
L2	464+04.00	-187.00	621661.5150	1440896.2786
L2	464+32.00	-170.00	621640.9714	1440921.7926
L2	464+43.00	-115.00	621585.0012	1440925.4443
L2	464+65.39	-112.86	621579.9236	1440947.3558
L2	466+02.00	95.64	621355.2370	1441055.4078
L2	466+02.00	152.00	621299.3545	1441048.0487
L2	467+00.00	154.00	621284.7539	1441145.9228
L2	467+48.00	148.00	621284.7486	1441194.7459
L2	467+95.00	131.50	621295.4375	1441243.7943
L2	468+15.00	118.48	621305.9908	1441265.3461
L2	468+49.64	-112.40	621531.2745	1441326.6041
L2	468+72.62	-122.02	621538.2176	1441350.3626
L2	469+72.00	-196.00	621600.8529	1441456.3429
L2	470+97.27	129.15	621264.4470	1441546.5184
L2	472+43.82	-96.93	621474.2056	1441715.6067
L2	472+70.27	-96.76	621471.3058	1441741.8957
L2	472+70.27	-82.00	621456.6269	1441740.3735
L2	472+95.17	105.07	621267.9836	1441745.8416
L2	472+95.41	84.27	621288.6491	1441748.2303
L2	473+26.00	-82.00	621450.8783	1441795.8062
L2	473+26.00	-106.00	621474.7502	1441798.2818
L2	473+35.00	66.00	621302.7394	1441789.4916
L2	473+43.00	124.00	621244.2236	1441791.4661
L2	473+65.00	-105.00	621469.7326	1441836.9706
L2	473+65.00	-82.00	621446.8553	1441834.5981
L2	473+72.00	125.00	621240.2375	1441820.2083
L2	477+57.00	68.20	621257.0206	1442209.0135
L2	477+85.00	117.50	621205.0956	1442231.7788
L2	478+28.54	92.79	621225.1783	1442277.6356

NOT SET-NO ACCESS

NOT SET-LG SHRUB

NOT SET-LG SHRUB

NOT SET-INSIDE FENCE

NOT SET-INSIDE FENCE

NOT SET-LG SHRUB

MAG NAIL

NOT SET-BK WALL

MAG NAIL

6' SURVEY NAIL

6' SURVEY NAIL

NOT SET- BOULDER

NOT SET-IN CREEK

NOT SET-UNDER MULCH PILE

NOT SET-UNDER MULCH PILE

NOT SET-IN SHRUB

NOT SET-IN SHRUB

MAG NAIL

MAG NAIL

MAG NAIL IN ROCK

PERMANENT EASEMENT MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y46	11+72.00	-61.00	621840.6914	1439593.7011
Y46	11+72.00	-48.49	621843.8832	1439581.6032
Y46	12+12.46	-60.66	621806.1164	1439585.7312
Y46	12+17.70	-67.10	621800.5298	1439591.2953

MAG NAIL

NOT SET-UNDER FENCE

PERMANENT EASEMENT MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y47	11+47.34	75.54	621521.9415	1439410.0446
Y47	11+78.33	49.50	621487.7854	1439431.7669

PERMANENT EASEMENT MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y48	11+71.88	-34.89	621848.0875	1440598.5243
Y48	11+97.51	-50.24	621830.1170	1440623.8456
Y48	12+31.40	-47.87	621791.1946	1440635.3097
Y48	13+82.46	63.08	621636.7712	1440527.6431

MAG NAIL

6" SURVEY NAIL

PERMANENT EASEMENT MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y50	11+68.96	-84.07	621218.2714	1441692.9007
Y50	11+71.00	-103.00	621216.5615	1441711.8390
Y50	11+81.59	64.64	621204.2107	1441544.3410
Y50	11+98.96	-81.10	621191.6617	1441690.5435
Y50	12+02.00	-100.00	621189.8699	1441709.5433
Y50	12+68.90	68.19	621108.9190	1441548.4487
Y50	13+51.22	73.40	621019.2855	1441561.1487
Y50	13+54.00	-77.76	621055.0904	1441708.0428
Y50	13+63.00	-137.00	621063.2522	1441767.2092
Y50	13+85.00	-127.00	621043.1953	1441762.7070
Y50	14+88.84	76.17	620875.8931	1441610.7583
Y50	14+90.35	60.98	620880.9831	1441625.1626
Y50	18+41.35	70.48	620582.9323	1441835.6804
Y50	19+18.59	64.68	620524.0584	1441902.8285
Y50	19+69.86	62.56	620490.8144	1441947.8311
Y50	20+50.00	53.50	620450.9722	1442025.4066
Y50	23+56.82	30.00	620344.1714	1442319.9097
Y50	23+58.00	53.50	620322.1263	1442311.6855

MAG NAIL

NOT SET- IN SHRUB

MAG NAIL

MAG NAIL

MAG NAIL

NOT SET-IN FENCE

MAG NAIL

PERMANENT EASEMENT MARKER IRON PIN AND CAP				
ALIGN	STATION	OFFSET	NORTH	EAST
Y49	12+81.44	-53.74	622435.0989	1442008.7921
Y49	12+94.00	37.75	622461.5501	1441917.9193
Y49	12+94.00	51.00	622455.6612	1441905.3251
Y49	13+05.00	38.34	622441.2764	1441913.9444
Y49	13+05.00	51.00	622445.2042	1441901.9117
Y49	14+27.00	50.51	622319.4704	1441866.9935
Y49	14+46.00	68.00	622303.1557	1441846.9794
Y49	14+64.00	-77.75	622264.5723	1441988.6776
Y49	14+64.00	-72.50	622265.3209	1441983.4775
Y49	14+74.00	-71.06	622255.6276	1441980.6307
Y49	14+74.00	-77.00	622254.7812	1441986.5104
Y49	14+79.00	73.00	622271.2048	1441837.3285
Y49	14+89.96	-69.95	622239.9935	1441977.2555
Y49	15+36.73	-110.59	622187.9065	1442010.8219
Y49	15+89.29	-116.45	622099.0732	1441997.7763
Y49	16+91.34	-77.09	622026.6162	1441916.4705
Y49	17+41.49	-79.00	621993.2822	1441907.0595
Y49	17+42.55	-82.00	621991.4861	1441909.6859
Y49	17+50.47	-74.41	621985.7852	1441900.3138
Y49	17+52.00	-78.46	621983.2648	1441903.8339
Y49	17+90.00	-44.00	621955.4088	1441860.7580
Y49	18+50.80	63.34	621924.2701	1441741.3870
Y49	18+92.65	93.23	621892.3045	1441701.9421
Y49	19+15.00	-81.00	621818.4654	1441861.0994
Y49	19+38.00	-82.00	621790.5369	1441850.6352
Y49	19+38.00	-46.00	621805.6690	1441817.9699
Y49	19+65.13	50.56	621826.6552	1441720.0699
Y49	19+83.60	-46.00	621760.9750	1441792.9302
Y49	20+14.08	-77.85	621720.2577	1441805.6464
Y49	20+60.00	-111.00	621668.3224	1441815.1353
Y49	21+08.00	-127.00	621623.8475	1441811.6160
Y49	21+34.00	-90.59	621617.1644	1441769.1529
Y49	21+76.00	99.00	621645.7416	1441577.0890
Y49	22+21.59	-57.09	621552.6312	1441710.7095
Y49	22+56.71	-56.88	621521.0183	1441701.6301

MAG NAIL

MAG NAIL

MAG NAIL

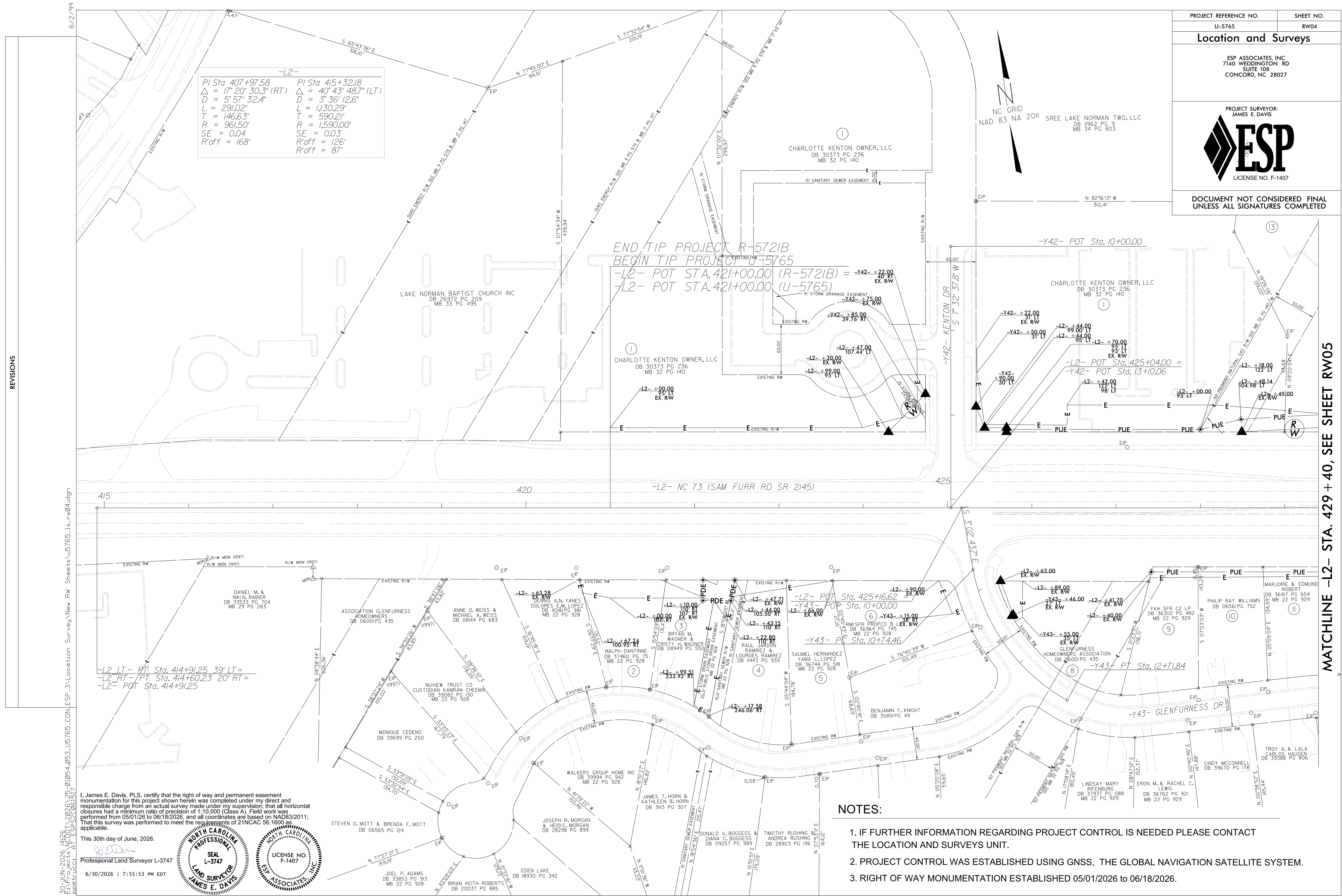
MAG NAIL

* X" IN CONC

BROKEN MAG NAIL

NOT SET-IN CREEK

MATCHLINE -L2- STA. 429 + 40, SEE SHEET RW05



NOTES

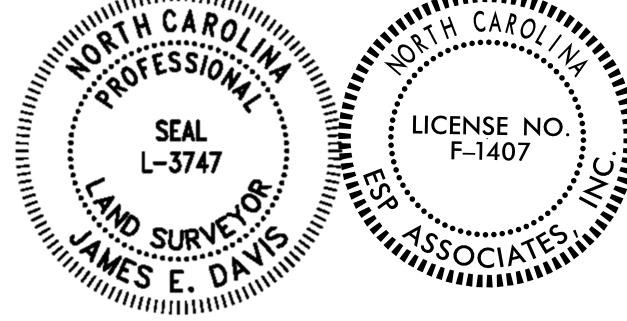
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 05/01/2026 to 06/18/2026.

REVISIONS

I, James E. Davis, PLS, 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 05/01/2026 to 06/18/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 30th day of June, 2026.

Professional Land Surveyor L-3747
6/30/2026 | 7:55:53 PM EDT

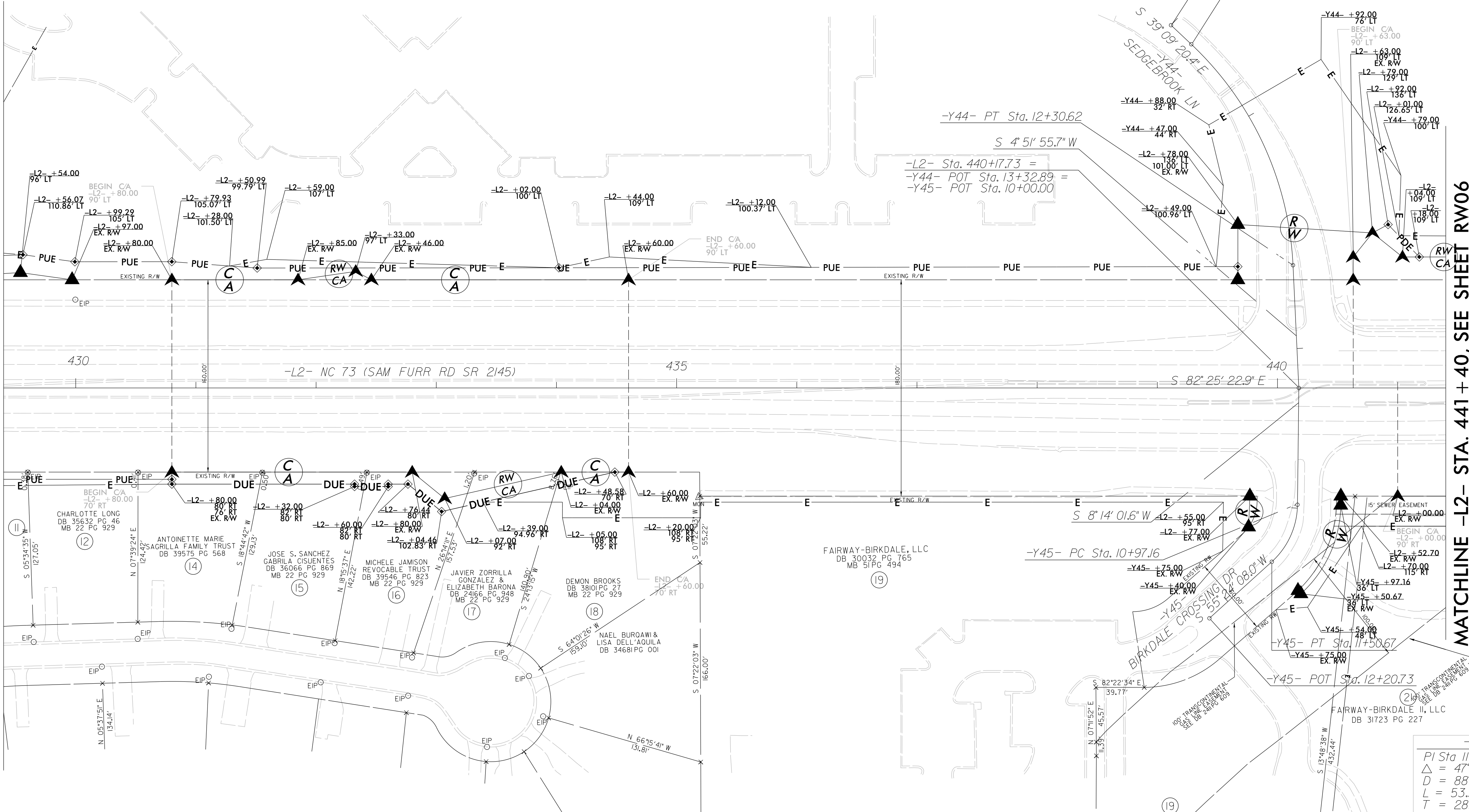


NC GRID
NAD 83 NA 2011

CSP COMMUNITY OWNER, LLC
DB 24145 PG 366

PROJECT REFERENCE NO.	SHEET NO.
U-5765	RW05
Location and Surveys	
ESP ASSOCIATES, INC 7140 WEDDINGTON RD SUITE 108 CONCORD, NC 28027	
PROJECT SURVEYOR: JAMES E. DAVIS	
 LICENSE NO. F-1407	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCHLINE -L2- STA. 429 + 40, SEE SHEET RW04



MATCHLINE -L2- STA. 441 + 40, SEE SHEET RW06

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 05/01/2026 to 06/18/2026.

-Y44-
PI Sta 11+32.32
 $\Delta = 44^{\circ} 01' 16.1''$ (RT)
 $D = 21^{\circ} 13' 14.4''$
 $L = 207.44'$
 $T = 109.15'$
 $R = 270.00'$
 $SE = 0.03$
 $R'off = 60'$

-Y45-
PI Sta 11+25.54
 $\Delta = 47^{\circ} 10' 06.4''$ (RT)
 $D = 88^{\circ} 08' 50.5''$
 $L = 53.51'$
 $T = 28.38'$
 $R = 65.00'$
 $SE = SEE PLANS$

I, James E. Davis, PLS, 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 05/01/2026 to 06/18/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of July, 2026.

Professional Land Surveyor L-3747

7/1/2026 | 9:45:29 AM EDT



-DR2-
PI Sta 11+09.35
 $\Delta = 30^{\circ} 08' 25.2''$ (RT)
D = 57' 17" 44.8"
L = 52.60'
T = 26.93'
R = 100.00'
SE = SEE PLANS

1 S 35° 01' 17.0" E
2 -DR2- PC Sta. 10+82.43
3 -DR2- PT Sta. 11+35.03
4 S 4° 52' 51.7" E

-Y46-
PI Sta 11+19.30
 $\Delta = 27^{\circ} 06' 00.3''$ (LT)
D = 11' 34' 29.7"
L = 234.13'
T = 119.30'
R = 495.00'
SE = SEE PLANS



PROJECT REFERENCE NO.	SHEET NO.
U-5765	RW06
Location and Surveys	
ESP ASSOCIATES, INC 7140 WEDDINGTON RD SUITE 108 CONCORD, NC 28027	
PROJECT SURVEYOR: JAMES E. DAVIS	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCHLINE -L2- STA. 441 + 40, SEE SHEET RW05

MATCHLINE -L2- STA. 455 + 00, SEE SHEET 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 05/01/2026 to 06/18/2026.

NC GRID
NAD 83 NA 2011

-Y48-	-L2-
PI Sta 12+64.08	PI Sta 468+12.37
$\Delta = 32^\circ 50' 08.0''$ (RT)	$\Delta = 1^\circ 39' 22.5''$ (LT)
D = 22' 55" 05.9"	D = 0' 21" 29.2"
L = 143.27'	L = 462.51'
T = 73.66'	T = 231.27'
R = 250.00'	R = 16,000.00'
SE = SEE PLANS	SE = N C

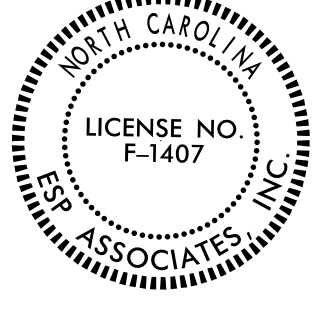
MATCHLINE -L2- STA. 455 + 00, SEE SHEET RW06

I, James E. Davis, PLS, 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 05/01/2026 to 06/18/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 1st day of July, 2026.

Professional Land Surveyor L-3747

7/1/2026 | 9:45:29 AM EDT



PROJECT REFERENCE NO.
U-5765

SHEET NO.
RW07

Location and Surveys

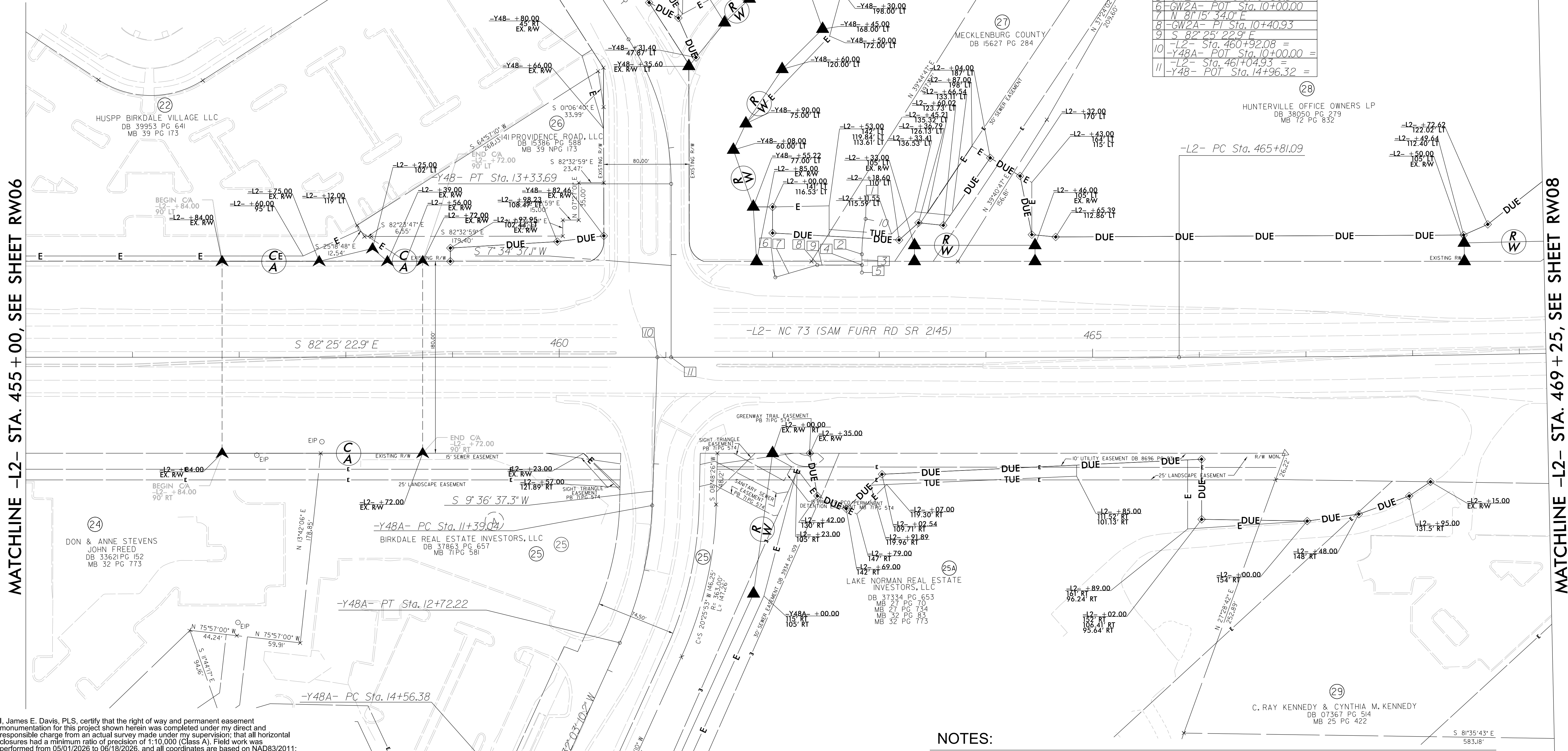
ESP ASSOCIATES, INC
7140 WEDDINGTON RD
SUITE 108
CONCORD, NC 28027

PROJECT SURVEYOR:
JAMES E. DAVIS


LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

1	-GW2- PC Sta. 10+00.00
2	-GW2- PT Sta. 10+33.43
3	S 7° 36' 59.5" W
4	-GW2- POT Sta. 10+43.54 =
5	-GW2A- POT Sta. 10+82.78
6	-GW2- POT Sta. 10+50.54
7	-GW2A- POT Sta. 10+00.00
8	N 81° 15' 34.0" E
9	-GW2A- PI Sta. 10+40.93
10	S 82° 25' 22.9" E
11	-L2- Sta. 460+92.08 =
12	-L2- Sta. 461+04.93 =
13	-Y48- POT Sta. 14+96.32 =



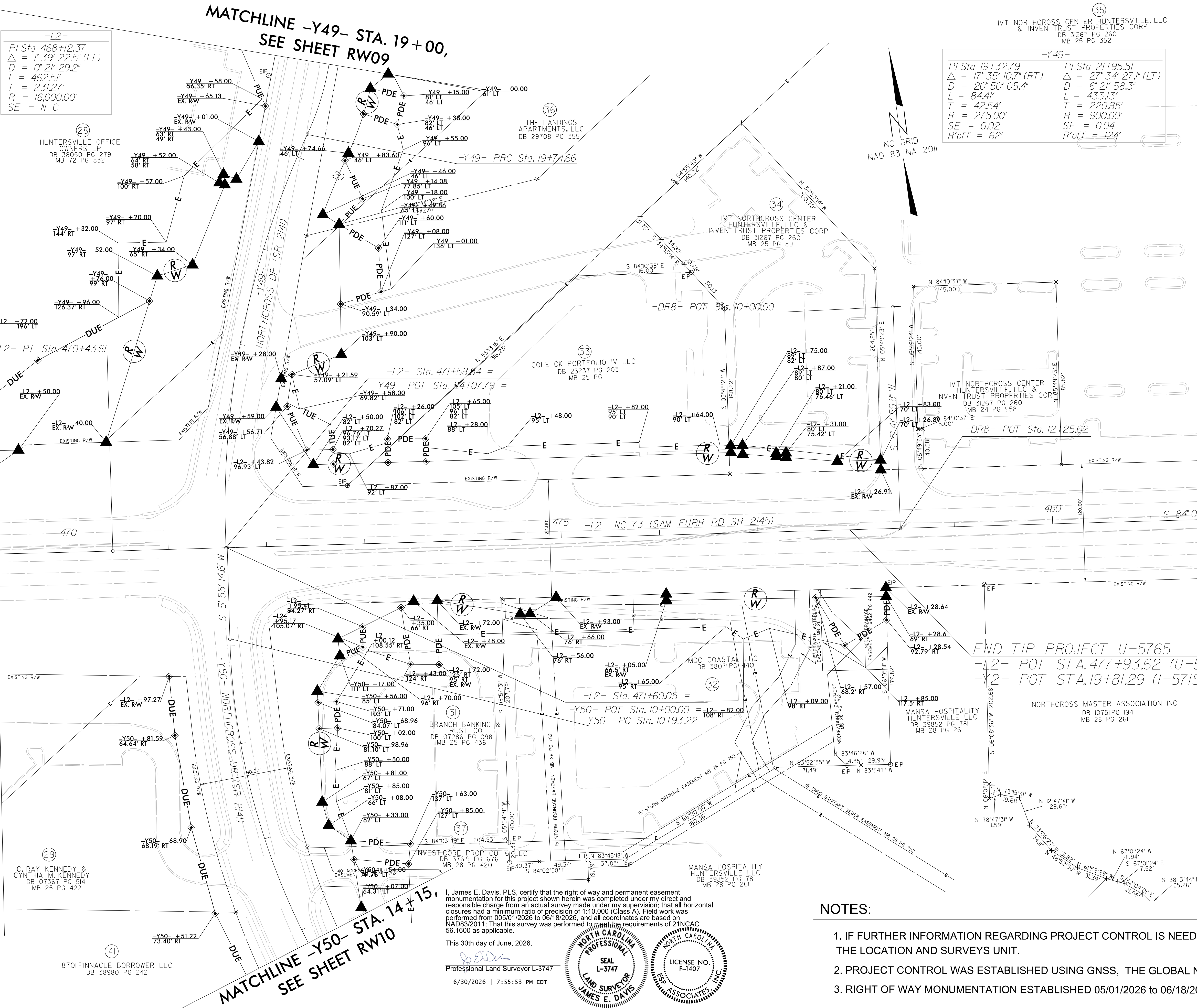
MATCHLINE -L2- STA. 469 + 25, SEE SHEET RW08

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 05/01/2026 to 06/18/2026.

REVISIONS

MATCHLINE -L2- STA. 469 + 25, SEE SHEET RW07



-L2-
PI Sta 468+12.37
Δ = 1° 39' 22.5" (LT)
D = 0° 21' 29.2"
L = 462.5'
T = 231.27'
R = 16,000.00'
SE = N C

(28)
HUNTERSVILLE OFFICE
OWNERS, LP
DB 38050 PG 279
MB 72 PG 832

(36)
THE LANDINGS
APARTMENTS, LLC
DB 29708 PG 355

(33)
COLE CK PORTFOLIO IV LLC
DB 23237 PG 203
MB 25 PG 1

(34)
IVT NORTHCROSS CENTER
HUNTERSVILLE, LLC &
INVEN TRUST PROPERTIES CORP
DB 31267 PG 260
MB 25 PG 89

-Y49-
PI Sta 19+32.79
Δ = 17° 35' 10.7" (RT)
D = 20° 50' 05.4"
L = 84.41'
T = 42.54'
R = 275.00'
SE = 0.02
R'off = 62'

PI Sta 21+95.51
Δ = 27° 34' 27.1" (LT)
D = 6° 21' 58.3"
L = 433.13'
T = 220.85'
R = 900.00'
SE = 0.04
R'off = 124'

(35)
IVT NORTHCROSS CENTER HUNTERSVILLE, LLC
& INVEN TRUST PROPERTIES CORP
DB 31267 PG 260
MB 25 PG 352

NC GRID
NAD 83 NA 2011

END TIP PROJECT U-5765
-L2- POT STA. 477+93.62 (U-5765) =
-Y2- POT STA. 19+81.29 (I-5715)

NORTHCROSS MASTER ASSOCIATION INC
DB 10751 PG 194
MB 28 PG 261

-Y50-
PI Sta 13+05.01
Δ = 32° 49' 34.3" (LT)
D = 7° 58' 07.7"
L = 411.93'
T = 211.79'
R = 719.00'
SE = 0.04
R'off = 144'

I, James E. Davis, PLS, 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 05/01/2026 to 06/18/2026, and all coordinates are based on
NAD83/2011; That this survey was performed to meet the requirements of 21NCAC
56.1600 as applicable.

This 30th day of June, 2026.
Professional Land Surveyor L-3747
6/30/2026 | 7:55:53 PM EDT



NOTES:

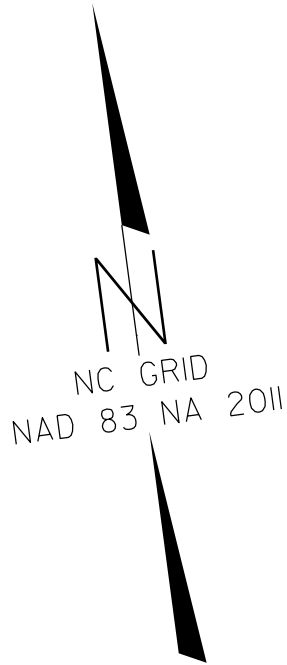
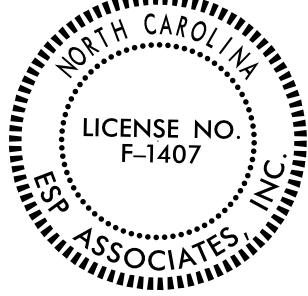
1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 05/01/2026 to 06/18/2026.

I, James E. Davis, PLS, 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 05/01/2026 to 06/18/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 30th day of June, 2026.

Professional Land Surveyor L-3747

6/30/2026 | 7:55:53 PM EDT



PROJECT REFERENCE NO.
U-5765

SHEET NO.
RW09

Location and Surveys

ESP ASSOCIATES, INC
7140 WEDDINGTON RD
SUITE 108
CONCORD, NC 28027

PROJECT SURVEYOR:
JAMES E. DAVIS

LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

-RABI-			
PI Sta 10+52.82 Δ = 89° 48' 33.7" (LT) D = 108° 06' 18.9" L = 83.08' T = 52.82' R = 53.00' SE = NC	PI Sta 11+21.07 Δ = 71° 16' 03.7" (LT) D = 108° 06' 18.9" L = 65.92' T = 37.99' R = 53.00' SE = NC	PI Sta 12+11.56 Δ = 99° 27' 41.3" (LT) D = 108° 06' 18.9" L = 92.00' T = 62.56' R = 53.00' SE = NC	PI Sta 13+03.57 Δ = 99° 27' 41.3" (LT) D = 108° 06' 18.9" L = 92.00' T = 62.56' R = 53.00' SE = NC
-Y49-			
PI Sta 10+92.62 Δ = 2° 35' 37.2" (LT) D = 3° 49' 11.0" L = 67.90' T = 33.96' R = 1,500.00' SE = SEE PLANS	PI Sta 14+00.37 Δ = 9° 53' 11.6" (LT) D = 28° 38' 52.4" L = 34.51' T = 17.30' R = 200.00' SE = NC	PI Sta 17+09.95 Δ = 12° 12' 26.3" (LT) D = 28° 38' 52.4" L = 42.61' T = 21.39' R = 200.00' SE = NC	PI Sta 19+32.79 Δ = 17° 35' 10.7" (RT) D = 20° 50' 05.4" L = 84.41' T = 42.54' R = 275.00' SE = 0.02 R'off = 62'

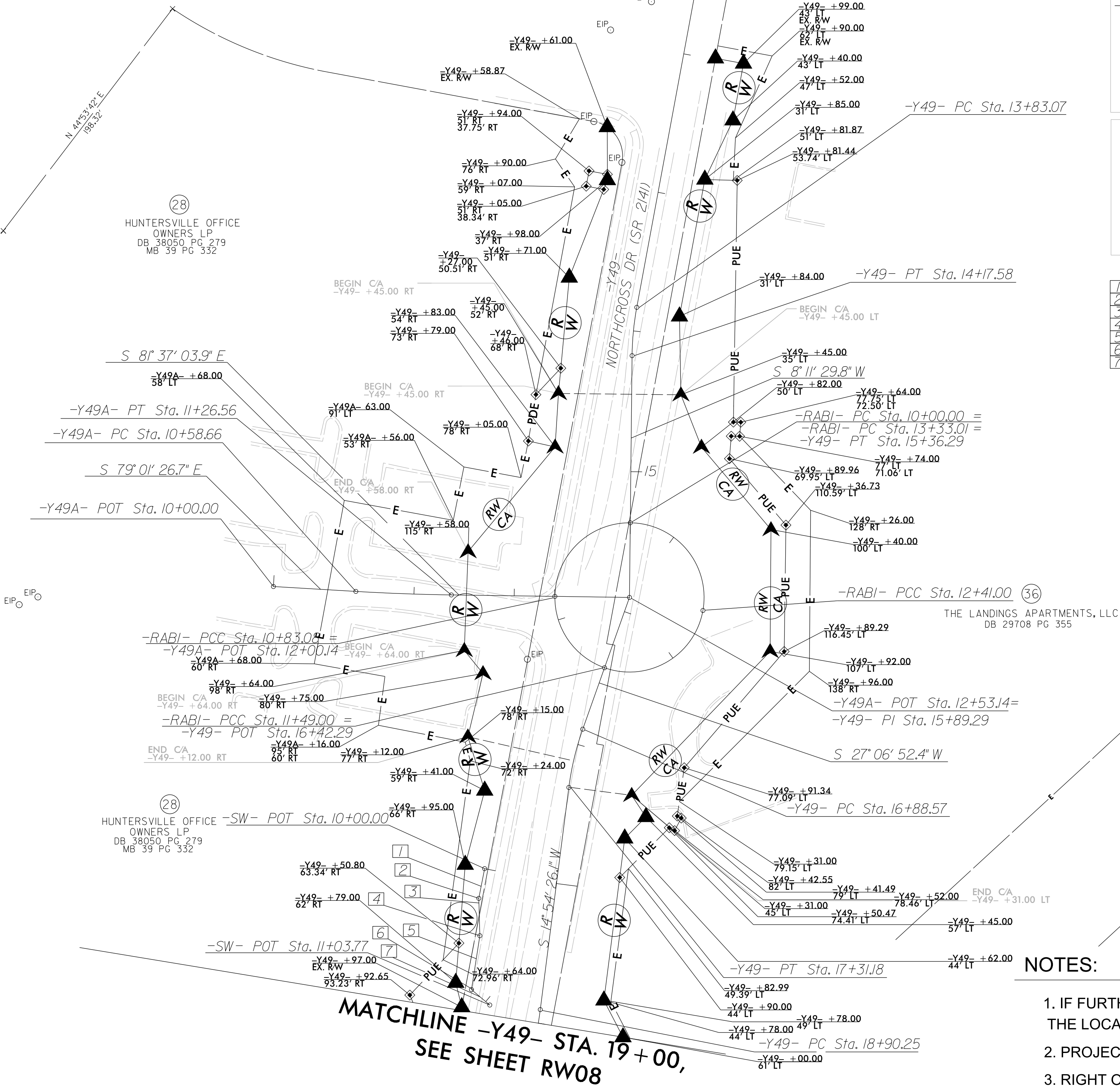
1 S 18° 41' 41.6" W
2 SW- PI Sta. 10+21.48
3 S 5° 56' 48.5" W
4 SW- PI Sta. 10+48.05
5 S 16° 25' 37.7" W
6 SW- PI Sta. 10+86.79
7 S 42° 22' 38.7" E

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 05/01/2026 to 06/18/2026.

REVISIONS

20 JUN 2026 14:26
ESP-PLANS-NEW-2026-25-01054.053.U5765.CON\ESP_3\Location Survey\New RW Sheets\U5765.LS.rw09.dgn
petr-ucol AI ESP2026061517



6/2/29

I, James E. Davis, PLS, 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 05/01/2026 to 06/18/2026, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

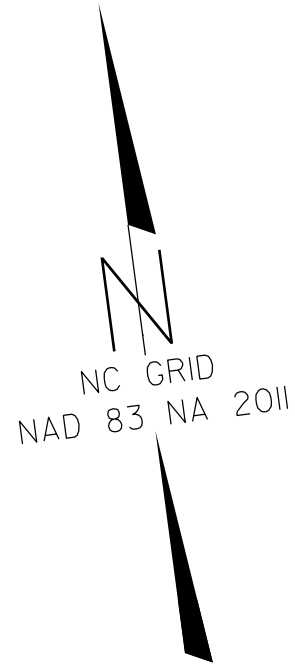
This 30th day of June, 2026.

Professional Land Surveyor L-3747

6/30/2026 | 7:55:53 PM EDT



MATCHLINE -Y50-
STA. 14+15, SEE SHEET RW08



PROJECT REFERENCE NO.

U-5765

SHEET NO.

RW10

Location and Surveys

ESP ASSOCIATES, INC
7140 WEDDINGTON RD
SUITE 108
CONCORD, NC 28027

PROJECT SURVEYOR:
JAMES E. DAVIS



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

REVISIONS

-Y50A-
 $\Delta = 6^{\circ} 52' 35.7''$ (LT)
 $D = 11^{\circ} 27' 33.0''$
 $L = 60.01'$
 $T = 30.04'$
 $R = 500.00'$
 $SE = SEE PLANS$

-Y50A-	-Y50-	-Y50-	-Y50-	-Y50-	-Y50-
PI Sta 13+05.01	PI Sta 15+65.37	PI Sta 16+36.86	PI Sta 18+61.29	PI Sta 20+09.89	
$\Delta = 32^{\circ} 49' 34.3''$ (LT)	$\Delta = 19^{\circ} 41' 21.0''$ (LT)	$\Delta = 10^{\circ} 10' 25.2''$ (RT)	$\Delta = 8^{\circ} 40' 16.2''$ (LT)	$\Delta = 19^{\circ} 47' 54.6''$ (LT)	
$D = 7^{\circ} 58' 07.7''$	$D = 16^{\circ} 30' 42.3''$	$D = 40^{\circ} 55' 32.0''$	$D = 16^{\circ} 22' 12.8''$	$D = 8^{\circ} 11' 06.4''$	
$L = 411.93'$	$L = 119.24'$	$L = 24.86'$	$L = 52.97'$	$L = 241.88'$	
$T = 211.79'$	$T = 60.22'$	$T = 12.46'$	$T = 26.54'$	$T = 122.16'$	
$R = 719.00'$	$R = 347.00'$	$R = 140.00'$	$R = 350.00'$	$R = 700.00'$	
$SE = 0.04'$	$SE = 0.04'$	$SE = NC$	$SE = SEE PLANS$	$SE = SEE PLANS$	
$R'off = 144'$	$R'off = 144'$				

-RAB2-	-RAB2-	-RAB2-	-RAB2-
PI Sta 10+60.40	PI Sta 11+36.67	PI Sta 12+19.50	PI Sta 13+02.76
$\Delta = 97^{\circ} 28' 05.6''$ (LT)	$\Delta = 82^{\circ} 31' 54.4''$ (LT)	$\Delta = 90^{\circ} 00' 00.0''$ (LT)	$\Delta = 90^{\circ} 00' 00.0''$ (LT)
$D = 108^{\circ} 06' 18.9''$	$D = 108^{\circ} 06' 18.9''$	$D = 108^{\circ} 06' 18.9''$	$D = 108^{\circ} 06' 18.9''$
$L = 90.16'$	$L = 76.34'$	$L = 83.25'$	$L = 83.25'$
$T = 60.40'$	$T = 46.51'$	$T = 53.00'$	$T = 53.00'$
$R = 53.00'$	$R = 53.00'$	$R = 53.00'$	$R = 53.00'$
$SE = NC$	$SE = NC$	$SE = NC$	$SE = NC$

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 05/01/2026 to 06/18/2026.