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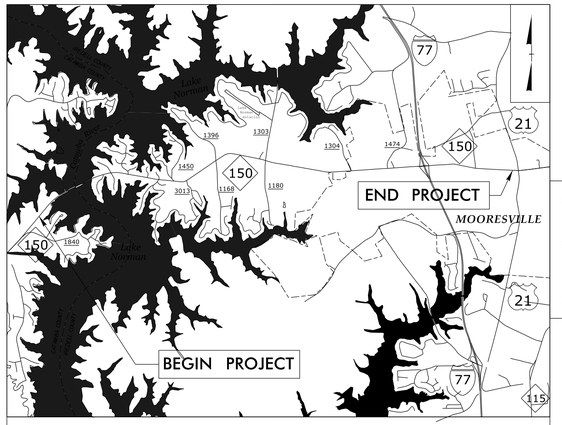
01/31/20

TIP PROJECTS: R-2307B & I-5717

CONTRACT:

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-2307B, I-5717	RW01	

See Sheet 1-A For Index of Sheets



VICINITY MAP

R/W PLANS

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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

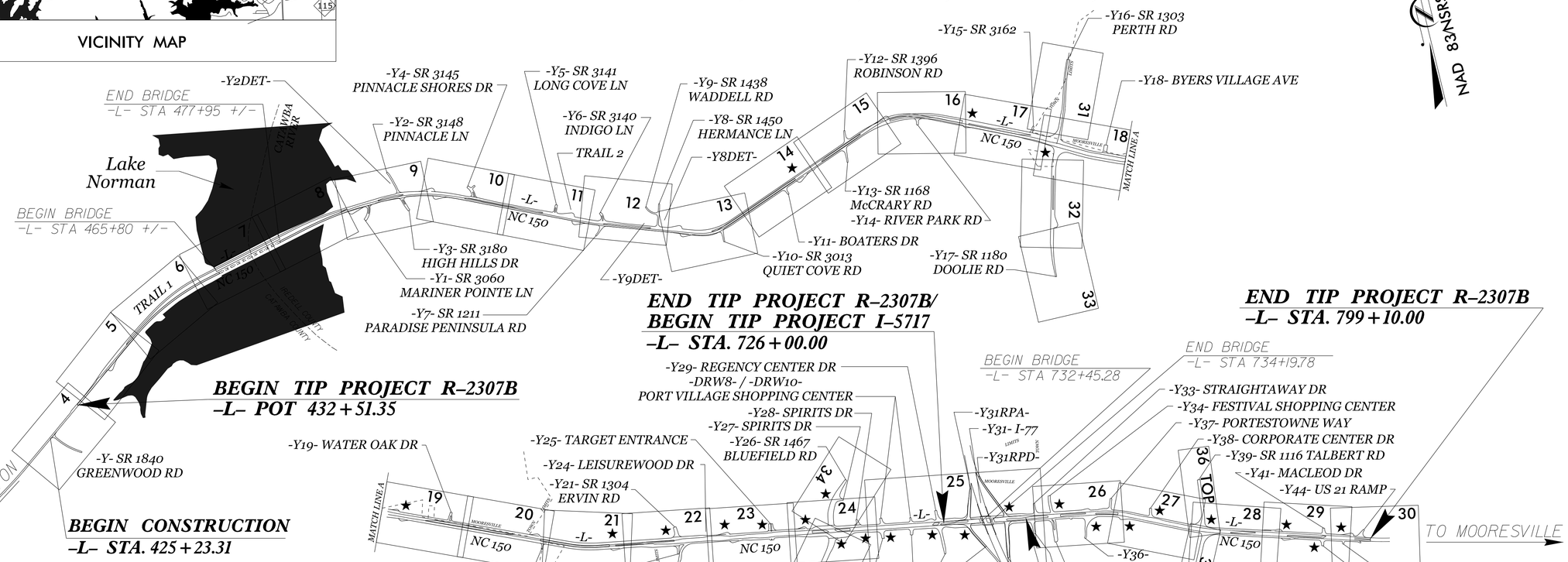
CATAWBA & IREDELL COUNTIES

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

LOCATION: NC 150 FROM SR 1840 (GREENWOOD RD) IN CATAWBA COUNTY TO US 21 IN IREDELL COUNTY

TYPE OF WORK: GRADING, DRAINAGE, PAVING, STRUCTURES, AND SIGNALS

NAD 83/NSRS 2007



★ UPGRADE EXISTING OR NEW SIGNAL
A PORTION OF THIS PROJECT IS WITHIN THE CITY LIMITS OF MOORESVILLE.
PORTIONS OF THIS PROJECT HAVE CONTROL OF ACCESS
** 60 MPH FROM BEGINNING OF PROJECT TO WADDELL RD.
50 MPH FROM WADDELL RD TO END OF PROJECT.

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III

GRAPHIC SCALE

50 25 0 50 100

PLANS

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "WATER" WITH NAD 83/2007 STATE PLANE GRID COORDINATES OF NORTHING: 670,950.320(ft) EASTING: 1,404,518.010(ft) ELEVATION: N/A(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99985690678 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "WATER" TO -L- STATION 411+39.11 IS N 61^44'22.6"E 14336.472' ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:

TWT

TAYLOR WISEMAN & TAYLOR
ENGINEERS | SURVEYORS | SCIENTISTS
SUBSURFACE UTILITY ENGINEERS

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:	*LETTING DATE:*
AUGUST 31, 2017	JULY 16, 2019

PROFESSIONAL LAND SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4650 LAND SURVEYOR JAMES M. PEARSALL

DocuSigned by: James Pearsall
C6F097DB1409449...
1/31/2020
SIGNATURE: ***Date:***

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

$$$$SYSTIME$$$$
$$$$USERNAME$$$$DGN$$$$

12/2/2016

PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW-1B

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

Note: Not to Scale

**S.U.E. = Subsurface Utility Engineering*

BOUNDARIES AND PROPERTY:

- State Line
- County Line
- Township Line
- City Line
- Reservation Line
- Property Line
- Existing Iron Pin — EIP
- Computed Property Corner
- Property Monument — ECM
- Parcel/Sequence Number — 123
- Existing Fence Line
- Proposed Woven Wire Fence
- Proposed Chain Link Fence
- Proposed Barbed Wire Fence
- Existing Wetland Boundary — WLB
- Proposed Wetland Boundary — WLB
- Existing Endangered Animal Boundary — EAB
- Existing Endangered Plant Boundary — EPB
- Existing Historic Property Boundary — HPB
- Known Contamination Area: Soil — S
- Potential Contamination Area: Soil — S
- Known Contamination Area: Water — W
- Potential Contamination Area: Water — W
- Contaminated Site: Known or Potential

BUILDINGS AND OTHER CULTURE:

- Gas Pump Vent or U/G Tank Cap
- Sign — S
- Well — W
- Small Mine
- Foundation
- Area Outline
- Cemetery
- Building
- School
- Church
- Dam

HYDROLOGY:

- Stream or Body of Water
- Hydro, Pool or Reservoir
- Jurisdictional Stream — JS
- Buffer Zone 1 — BZ 1
- Buffer Zone 2 — BZ 2
- Flow Arrow
- Disappearing Stream
- Spring
- Wetland
- Proposed Lateral, Tail, Head Ditch — FLOW
- False Sump

RAILROADS:

- Standard Gauge — CSX TRANSPORTATION
- RR Signal Milepost — MILEPOST 35
- Switch — SWITCH
- RR Abandoned
- RR Dismantled

RIGHT OF WAY & PROJECT CONTROL:

- Secondary Horiz and Vert Control Point
- Primary Horiz Control Point
- Primary Horiz and Vert Control Point
- Exist Permanent Easment Pin and Cap
- New Permanent Easement Pin and Cap
- Vertical Benchmark
- Existing Right of Way Marker
- Existing Right of Way Line
- New Right of Way Line — RW
- New Right of Way Line with Pin and Cap — RW
- New Right of Way Line with Concrete or Granite R/W Marker — RW
- New Control of Access Line with Concrete C/A Marker — CA
- Existing Control of Access — CA
- New Control of Access — CA
- Existing Easement Line — E
- New Temporary Construction Easement — E
- New Temporary Drainage Easement — TDE
- New Permanent Drainage Easement — PDE
- New Permanent Drainage / Utility Easement — DUE
- New Permanent Utility Easement — PUE
- New Temporary Utility Easement — TUE
- New Aerial Utility Easement — AUE

ROADS AND RELATED FEATURES:

- Existing Edge of Pavement
- Existing Curb
- Proposed Slope Stakes Cut — C
- Proposed Slope Stakes Fill — F
- Proposed Curb Ramp — CR
- Existing Metal Guardrail
- Proposed Guardrail
- Existing Cable Guiderail
- Proposed Cable Guiderail
- Equality Symbol
- Pavement Removal

VEGETATION:

- Single Tree
- Single Shrub
- Hedge
- Woods Line
- Orchard
- Vineyard — Vineyard

EXISTING STRUCTURES:

MAJOR:

- Bridge, Tunnel or Box Culvert — CONC
- Bridge Wing Wall, Head Wall and End Wall — CONC WW

MINOR:

- Head and End Wall — CONC HW
- Pipe Culvert
- Footbridge
- Drainage Box: Catch Basin, DI or JB — CB
- Paved Ditch Gutter
- Storm Sewer Manhole — S
- Storm Sewer — S

UTILITIES:

POWER:

- Existing Power Pole
- Proposed Power Pole
- Existing Joint Use Pole
- Proposed Joint Use Pole
- Power Manhole — P
- Power Line Tower
- Power Transformer
- U/G Power Cable Hand Hole
- H-Frame Pole
- U/G Power Line LOS B (S.U.E.*) — P
- U/G Power Line LOS C (S.U.E.*) — P
- U/G Power Line LOS D (S.U.E.*) — P

TELEPHONE:

- Existing Telephone Pole
- Proposed Telephone Pole
- Telephone Manhole — T
- Telephone Pedestal — T
- Telephone Cell Tower
- U/G Telephone Cable Hand Hole
- U/G Telephone Cable LOS B (S.U.E.*) — T
- U/G Telephone Cable LOS C (S.U.E.*) — T
- U/G Telephone Cable LOS D (S.U.E.*) — T
- U/G Telephone Conduit LOS B (S.U.E.*) — TC
- U/G Telephone Conduit LOS C (S.U.E.*) — TC
- U/G Telephone Conduit LOS D (S.U.E.*) — TC
- U/G Fiber Optics Cable LOS B (S.U.E.*) — T FO
- U/G Fiber Optics Cable LOS C (S.U.E.*) — T FO
- U/G Fiber Optics Cable LOS D (S.U.E.*) — T FO

WATER:

- Water Manhole — W
- Water Meter
- Water Valve
- Water Hydrant
- U/G Water Line LOS B (S.U.E*)
- U/G Water Line LOS C (S.U.E*)
- U/G Water Line LOS D (S.U.E*)
- Above Ground Water Line — A/G Water

TV:

- TV Pedestal — C
- TV Tower
- U/G TV Cable Hand Hole — HH
- U/G TV Cable LOS B (S.U.E.*) — TV
- U/G TV Cable LOS C (S.U.E.*) — TV
- U/G TV Cable LOS D (S.U.E.*) — TV
- U/G Fiber Optic Cable LOS B (S.U.E.*) — TV FO
- U/G Fiber Optic Cable LOS C (S.U.E.*) — TV FO
- U/G Fiber Optic Cable LOS D (S.U.E.*) — TV FO

GAS:

- Gas Valve
- Gas Meter
- U/G Gas Line LOS B (S.U.E.*) — G
- U/G Gas Line LOS C (S.U.E.*) — G
- U/G Gas Line LOS D (S.U.E.*) — G
- Above Ground Gas Line — A/G Gas

SANITARY SEWER:

- Sanitary Sewer Manhole
- Sanitary Sewer Cleanout
- U/G Sanitary Sewer Line — SS
- Above Ground Sanitary Sewer — A/G Sanitary Sewer
- SS Forced Main Line LOS B (S.U.E.*) — FSS
- SS Forced Main Line LOS C (S.U.E.*) — FSS
- SS Forced Main Line LOS D (S.U.E.*) — FSS

MISCELLANEOUS:

- Utility Pole
- Utility Pole with Base
- Utility Located Object
- Utility Traffic Signal Box — S
- Utility Unknown U/G Line LOS B (S.U.E.*) — ?UTL
- U/G Tank; Water, Gas, Oil
- Underground Storage Tank, Approx. Loc. — UST
- A/G Tank; Water, Gas, Oil
- Geoenvironmental Boring
- U/G Test Hole LOS A (S.U.E.*)
- Abandoned According to Utility Records — AATUR
- End of Information — E.O.I.

PROJECT REFERENCE NO.	SHEET NO.
R-2307B	RW02C-1
Location and Surveys	

SURVEY CONTROL SHEET R-2307B

W/ EXISTING ALIGNMENTS PRIOR TO CONSTRUCTION

BL

POINT	DESC.	NORTH	EAST	ELEVATION
1	R2307C-1	677516.8990	1416715.5320	844.73
21	BL-21	677838.4647	1417226.1103	846.29
2	R2307C-2	678000.9430	1417582.1410	848.60
220	BL-220	678324.0101	1418033.6085	840.55
221	BL-221	678694.1708	1418528.4770	824.53
222	BL-222	679262.8910	1419221.2642	802.01
223	BL-223	679741.4006	1419861.2986	782.51
224	BL-224	680016.9813	1420236.7357	775.60
27	BL-27	680370.7407	1420910.1250	775.02
3	R2307C-3	680529.5810	1421545.7370	774.05
4	R2307C-4	680926.1980	1423045.3360	774.65
28	BL-28	681087.2002	1423810.8352	775.09
29	PINNACLE	681156.1846	1424225.4358	777.28
30	BL-30	681166.5272	1424504.8658	783.48
31	BL-31	681163.6107	1425014.5289	799.31
32	BL-32	680989.5468	1425622.7804	806.87
33	BL-33	680782.6196	1426299.4937	797.86
34	BL-34	680429.9743	1426906.8420	784.05
35	BL-35	680187.3493	1427568.1493	807.63
36	BL-36	679802.3718	1428306.4428	827.14
37	WADDELL	679449.0405	1429348.0648	872.61
5	R2307C-5	679233.5260	1430027.8970	867.31
38	BL-38	679278.6069	1430273.6872	862.17
39	BL-39	679487.8720	1430650.6970	856.63
6	R2307C-6	679719.1410	1431276.0120	857.26
60	BL-60	679895.8115	1431894.5170	853.53
61	BL-61	680248.8222	1432652.5026	855.29
62	BL-62	680498.8743	1433548.6023	873.86
63	BL-63	680421.5026	1433938.3675	869.82
64	BL-64	680088.8366	1434486.3336	853.88
65	BL-65	679557.9329	1435666.4939	869.21
216	BL-216	679419.4582	1436098.3277	864.22
7	R2307C-7	679119.1390	1436609.0240	861.80
67	BL-67	678918.7776	1436865.5319	857.64
68	BL-68	678803.5194	1437135.2465	852.51
8	R2307C-8	678502.1590	1437861.5270	853.56
69	BL-69	678445.1412	1438145.5310	852.06
70	BL-70	677988.0036	1439035.0264	833.87
71	BL-71	677719.9507	1439645.0467	824.29
212	BL-212	677452.1614	1440486.4186	835.87
213	BL-213	677369.8474	1441108.8925	842.34
214	BL-214	677110.5964	1441986.3811	840.28
75	BL-75	677114.2512	1442582.6089	853.60
76	BL-76	676871.2089	1443415.2077	862.40
77	BL-77	676741.5265	1444215.3972	889.29
211	BL-211	676680.2265	1444563.1696	893.72
78	BL-78	676682.7854	1444998.0653	871.32
10	R2307C-10	676591.4980	1445530.4260	872.30
79	BL-79	676473.5052	1446253.9022	859.05
80	BL-80	676395.2070	1446746.9486	861.05
115	LINKMORE	676345.5970	1446954.7632	864.95
81	BL-81	676155.7066	1447504.6352	872.90
82	BL-82	676183.3426	1447880.9403	877.82
83	BL-83	676134.0156	1448169.6355	878.38
11	R2307C-11	676035.8550	1448285.9090	877.99
147	BL-147	675956.8290	1448718.6750	863.64
12	R2307C-12	675962.7040	1449129.5470	853.14
150	BL-150	675574.0000	1449830.3960	867.59
151	BL-151	675371.7320	1450268.5840	869.67
152	BL-152	675220.7130	1450594.4040	871.86
157	BL-157	675224.0320	1450871.3510	871.76
158	BL-158	675107.1470	1451234.9350	863.04
159	BL-159	674984.5610	1451650.9370	841.12
160	BL-160	674733.3540	1452145.3200	832.45
161	BL-161	674619.1790	1452526.5980	837.99
164	BL-164	674624.8930	1452827.3770	838.23
165	BL-165	674424.0480	1453167.5880	842.24
166	BL-166	674306.6290	1454190.5530	843.63

BY1

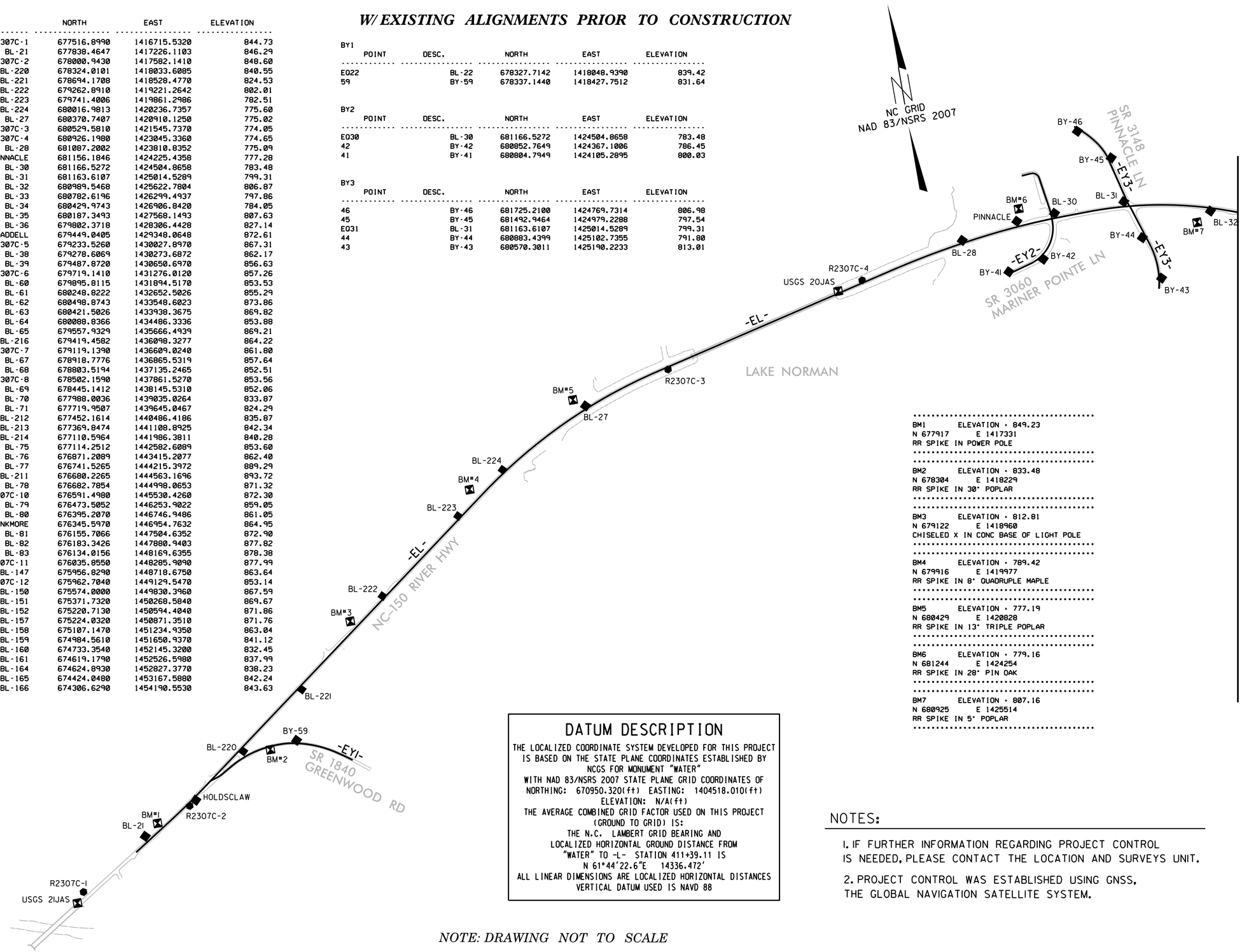
POINT	DESC.	NORTH	EAST	ELEVATION
EO22	BL-22	678327.7142	1418048.9390	839.42
59	BY-59	678337.1440	1418427.7512	831.64

BY2

POINT	DESC.	NORTH	EAST	ELEVATION
EO30	BL-30	681166.5272	1424504.8658	783.48
42	BY-42	680852.7649	1424367.1006	786.45
41	BY-41	680804.7949	1424105.2895	800.03

BY3

POINT	DESC.	NORTH	EAST	ELEVATION
46	BY-46	681725.2100	1424769.7314	806.98
45	BY-45	681492.9464	1424979.2288	797.54
EO31	BL-31	681163.6107	1425014.5289	799.31
44	BY-44	680883.4399	1425102.7355	791.80
43	BY-43	680570.3011	1425190.2233	813.01



BM1 ELEVATION = 849.23
N 677917 E 1417331
RR SPIKE IN POWER POLE

BM2 ELEVATION = 833.48
N 678304 E 1418229
RR SPIKE IN 30" POPLAR

BM3 ELEVATION = 812.81
N 679122 E 1418960
CHISELED X IN CONC BASE OF LIGHT POLE

BM4 ELEVATION = 789.42
N 679916 E 1419977
RR SPIKE IN 8" QUADRUPLE MAPLE

BM5 ELEVATION = 777.19
N 680429 E 1420828
RR SPIKE IN 13" TRIPLE POPLAR

BM6 ELEVATION = 779.16
N 681244 E 1424254
RR SPIKE IN 28" PIN OAK

BM7 ELEVATION = 807.16
N 680925 E 1425514
RR SPIKE IN 5" POPLAR

MATCH TO SHEET NO RW02C-2

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "WATER"
WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF
NORTHING: 670950.320(ft) EASTING: 1404518.010(ft)
ELEVATION: N/A(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS:
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "WATER" TO -L- STATION 411+39.11 IS
N 61°44'22.6"E 14336.472'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

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.

NOTE: DRAWING NOT TO SCALE

11/27/19
27-NOV-2019 12:01
R:\Projects\R2307b_NC150_Mooresville\LS12-19-xxx_Addl_Surv_Parcel166A_Panera\r2307b_ls_rw02c-1.dgn
User:FBAIS AT LS-214619

PROJECT REFERENCE NO.	SHEET NO.
R-2307B	RW02C-2
Location and Surveys	

SURVEY CONTROL SHEET R-2307B

W/ EXISTING ALIGNMENTS PRIOR TO CONSTRUCTION

BY5

POINT	DESC.	NORTH	EAST	ELEVATION
47	BY-47	681311.5770	1426012.5663	822.21
48	BY-48	681000.9342	1426253.6077	805.16
EO33	BL-33	680782.6196	1426299.4937	797.86

BY6

POINT	DESC.	NORTH	EAST	ELEVATION
49	BY-49	680705.8886	1427536.7492	810.85
54	BY-54	680522.0007	1427637.9981	815.67
EO35	BL-35	680187.3493	1427568.1493	807.63

BY7

POINT	DESC.	NORTH	EAST	ELEVATION
55	BY-55	680312.2032	1428168.1202	793.08
56	BY-56	680055.8315	1428314.1896	812.87
EO36	BL-36	679802.3718	1428306.4428	827.14
57	BY-57	679639.8132	1428014.2259	810.90
58	BY-58	679500.5174	1427757.1787	802.76

BY9

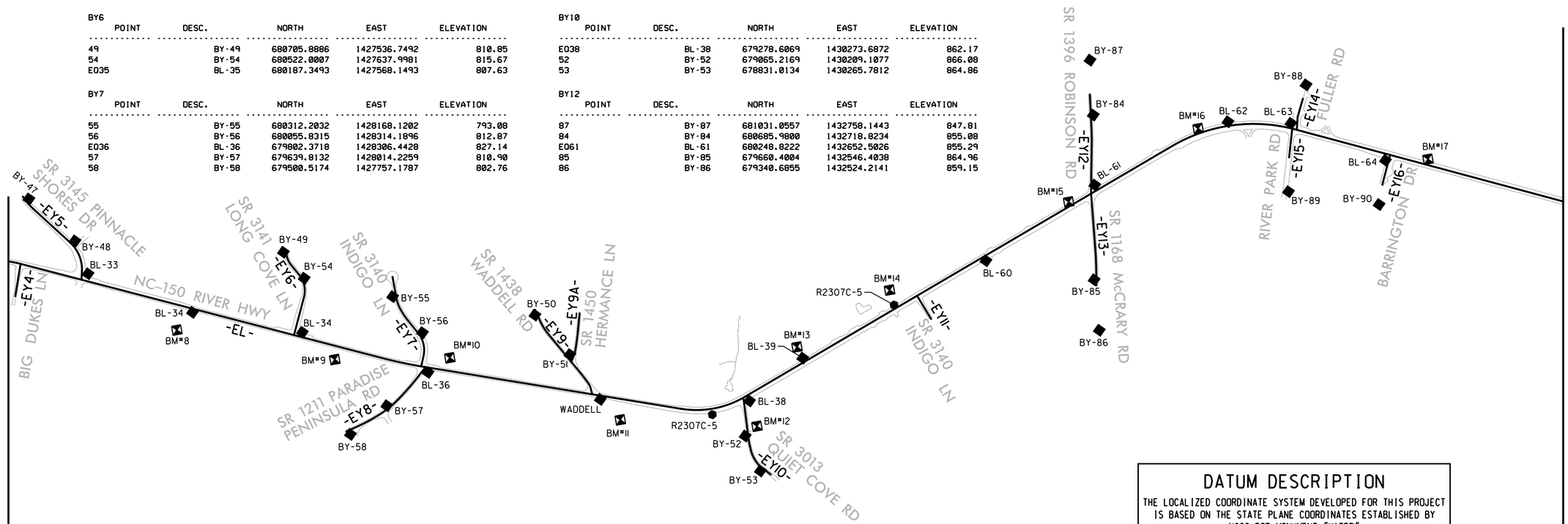
POINT	DESC.	NORTH	EAST	ELEVATION
50	BY-50	680043.6629	1429032.6420	877.51
51	BY-51	679760.1649	1429207.4858	879.17
EO37	WADDELL	679449.0405	1429348.0648	872.61

BY10

POINT	DESC.	NORTH	EAST	ELEVATION
EO38	BL-38	679278.6069	1430273.6872	862.17
52	BY-52	679065.2169	1430209.1077	866.08
53	BY-53	678831.0134	1430265.7812	864.86

BY12

POINT	DESC.	NORTH	EAST	ELEVATION
87	BY-87	681031.0557	1432758.1443	847.81
84	BY-84	680685.9800	1432718.8234	855.08
EO61	BL-61	680248.8222	1432652.5026	855.29
85	BY-85	679660.4004	1432546.4038	864.96
86	BY-86	679340.6855	1432524.2141	859.15



BM8 ELEVATION = 778.27
N 680337 E 1426791
RR SPIKE IN 8" RED OAK

BM9 ELEVATION = 806.58
N 679983 E 1427741
RR SPIKE IN 18" POPLAR

BM10 ELEVATION = 834.88
N 679870 E 1428457
RR SPIKE IN 18" OAK

BM11 ELEVATION = 874.93
N 679300 E 1429450
RR SPIKE IN 8" BIRCH

BM12 ELEVATION = 860.50
N 679113 E 1430293
RR SPIKE IN 10" OAK

BM13 ELEVATION = 860.45
N 679563 E 1430627
RR SPIKE IN POWER POLE W/ TRANS

BM14 ELEVATION = 865.72
N 679817 E 1431264
RR SPIKE IN LIGHT POLE

BM15 ELEVATION = 850.60
N 680173 E 1432473
RR SPK IN BASE OF POWER POLE

BM16 ELEVATION = 872.03
N 680489 E 1433357
RR SPK IN BASE OF POWER POLE

BM17 ELEVATION = 851.42
N 680051 E 1434752
RR SPK IN BASE OF POWER POLE

BY14

POINT	DESC.	NORTH	EAST	ELEVATION
88	BY-88	680644.1807	1434074.2416	868.37
EO63	BL-63	680421.5026	1433938.3675	869.82
89	BY-89	679999.1870	1433849.8708	845.73

BY16

POINT	DESC.	NORTH	EAST	ELEVATION
EO64	BL-64	680088.8366	1434486.3336	853.88
90	BY-90	679821.2411	1434399.0977	841.60

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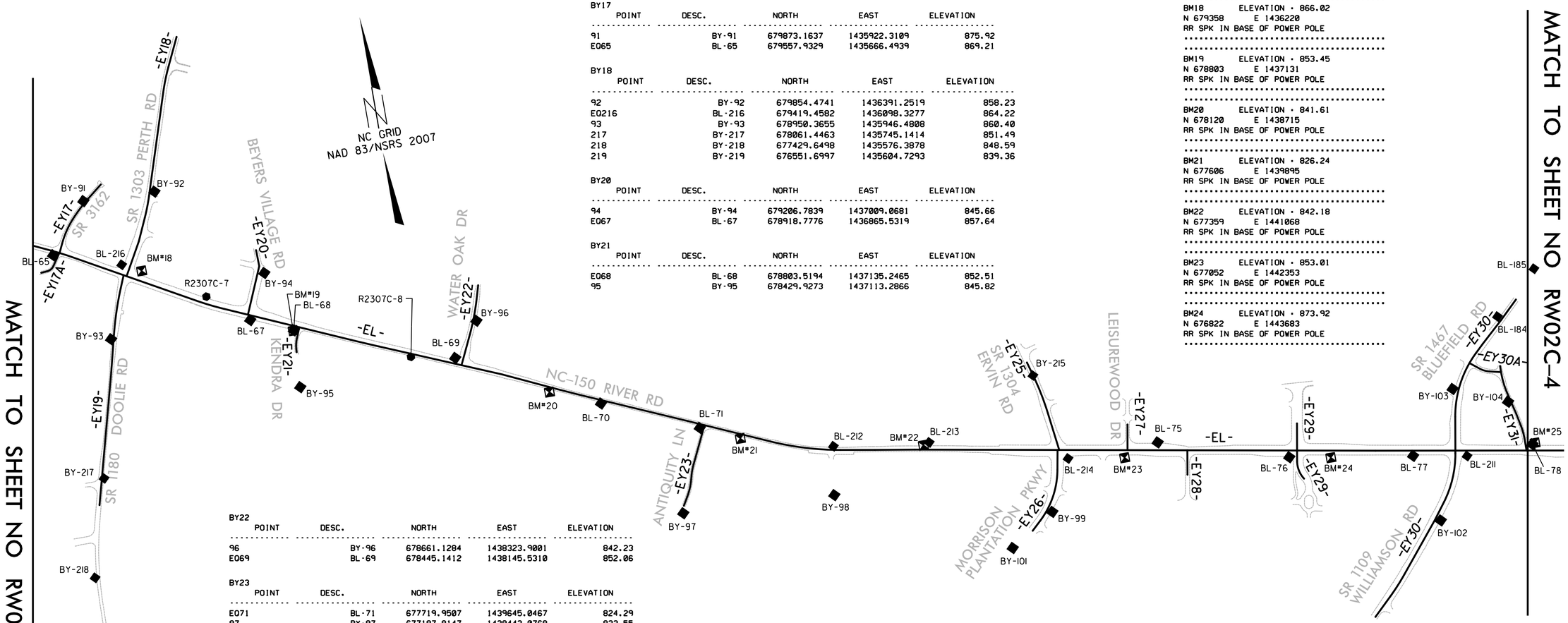
NOTE: DRAWING NOT TO SCALE

11/27/19
27-NOV-2019 12:01
R:\Proj\Acts\2307b_NC150_Mooresville\L512-19-xxx_Addl_Surv_Parcel166A_Panera\r2307b_ls_rw02c-2.dgn
User: FPeirs

PROJECT REFERENCE NO.	SHEET NO.
R-2307B	RW02C-3
Location and Surveys	

SURVEY CONTROL SHEET R-2307B

W/ EXISTING ALIGNMENTS PRIOR TO CONSTRUCTION



BY17

POINT	DESC.	NORTH	EAST	ELEVATION
91	BY-91	679873.1637	1435922.3109	875.92
EQ65	BL-65	679557.9329	1435666.4939	869.21

BY18

POINT	DESC.	NORTH	EAST	ELEVATION
92	BY-92	679854.4741	1436391.2519	858.23
EQ216	BL-216	679419.4582	1436098.3277	864.22
93	BY-93	678950.3655	1435946.4808	860.40
217	BY-217	678061.4463	1435745.1414	851.49
218	BY-218	677429.6498	1435576.3878	848.59
219	BY-219	676551.6997	1435604.7293	839.36

BY20

POINT	DESC.	NORTH	EAST	ELEVATION
94	BY-94	679206.7839	1437009.0681	845.66
EQ67	BL-67	678918.7776	1436865.5319	857.64

BY21

POINT	DESC.	NORTH	EAST	ELEVATION
EQ68	BL-68	678803.5194	1437135.2465	852.51
95	BY-95	678429.9273	1437113.2866	845.82

BM18 ELEVATION = 866.02
N 679358 E 1436220
RR SPK IN BASE OF POWER POLE

BM19 ELEVATION = 853.45
N 678803 E 1437131
RR SPK IN BASE OF POWER POLE

BM20 ELEVATION = 841.61
N 678120 E 1438715
RR SPK IN BASE OF POWER POLE

BM21 ELEVATION = 826.24
N 677606 E 1439895
RR SPK IN BASE OF POWER POLE

BM22 ELEVATION = 842.18
N 677359 E 1441068
RR SPK IN BASE OF POWER POLE

BM23 ELEVATION = 853.01
N 677052 E 1442353
RR SPK IN BASE OF POWER POLE

BM24 ELEVATION = 873.92
N 676822 E 1443683
RR SPK IN BASE OF POWER POLE

BY22

POINT	DESC.	NORTH	EAST	ELEVATION
96	BY-96	678661.1284	1438323.9001	842.23
EQ69	BL-69	678445.1412	1438145.5310	852.06

BY23

POINT	DESC.	NORTH	EAST	ELEVATION
EQ71	BL-71	677719.9507	1439645.0467	824.29
97	BY-97	677187.8147	1439443.0768	833.55

BY24

POINT	DESC.	NORTH	EAST	ELEVATION
EQ72	BL-72	677454.0405	1440486.4680	836.53
98	BY-98	677135.7685	1440437.7067	825.62

BY25

POINT	DESC.	NORTH	EAST	ELEVATION
215	BY-215	677685.5582	1441852.7938	852.02
EQ214	BL-214	677110.5964	1441986.3811	840.28
99	BY-99	676783.6854	1441825.4764	827.79
101	BY-101	676595.0588	1441529.5112	820.77

BY30

POINT	DESC.	NORTH	EAST	ELEVATION
185	BL-185	677813.7046	1445204.0088	891.69
184	BL-184	677545.8035	1444915.3995	898.91
103	BY-103	677128.8939	1444545.2869	893.31
EQ211	BL-211	676680.2265	1444563.1696	893.72
102	BY-102	676294.1621	1444321.8426	890.08

BY31

POINT	DESC.	NORTH	EAST	ELEVATION
104	BY-104	676984.2275	1444888.5893	881.57
EQ78	BL-78	676682.7854	1444998.0653	871.32

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "WATER"
WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF
NORTHING: 670950.320(ft) EASTING: 1404518.010(ft)
ELEVATION: N/A(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS:
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "WATER" TO -L- STATION 411+39.11 IS
N 61°44'22.6"E 14336.472'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

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.

NOTE: DRAWING NOT TO SCALE

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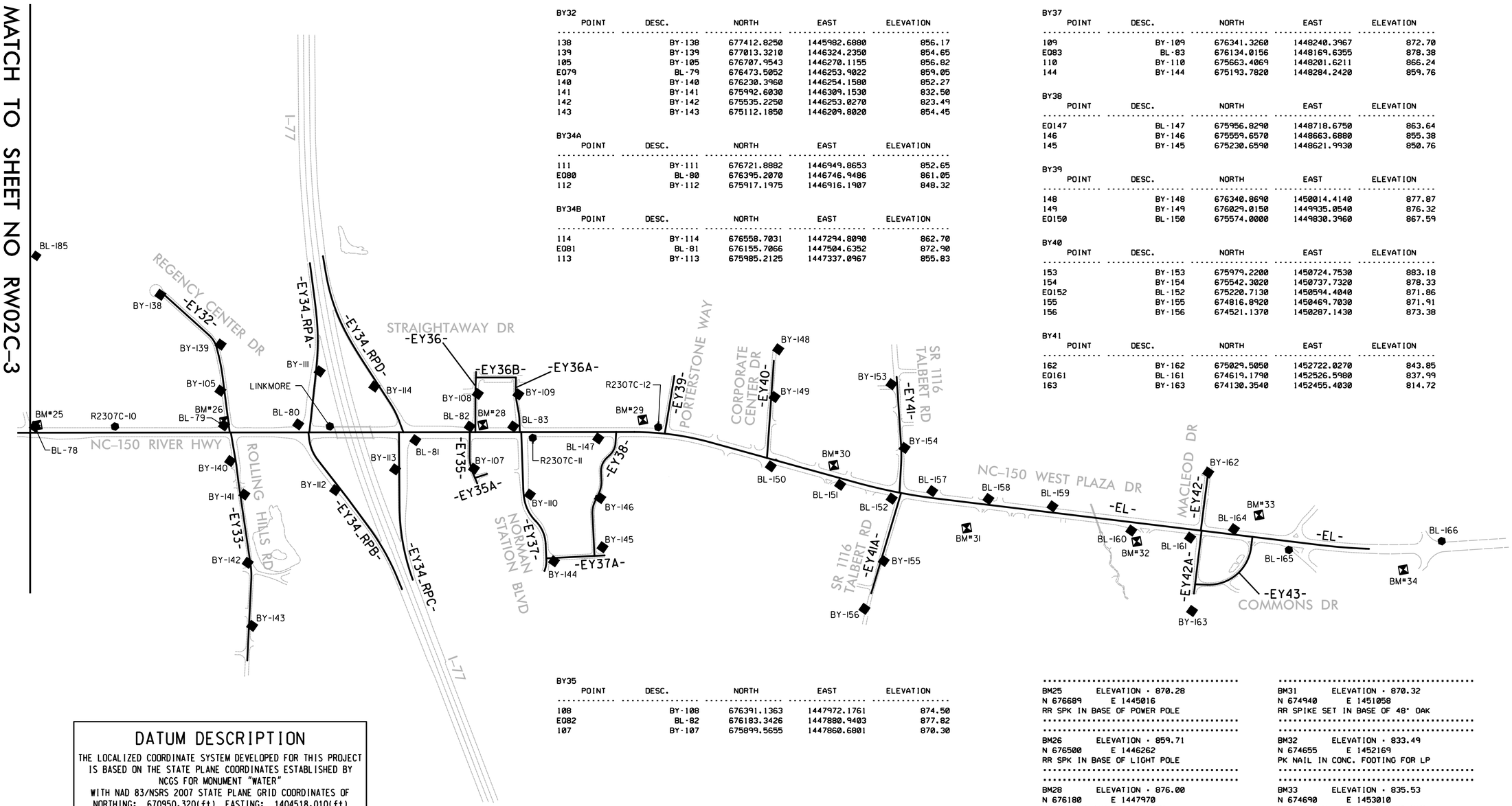
PROJECT REFERENCE NO.	SHEET NO.
R-2307B	RW02C-4
Location and Surveys	

SURVEY CONTROL SHEET R-2307B

W/ EXISTING ALIGNMENTS PRIOR TO CONSTRUCTION



BY32

POINT	DESC.	NORTH	EAST	ELEVATION
138	BY-138	677412.8250	1445982.6880	856.17
139	BY-139	677013.3210	1446324.2350	854.65
105	BY-105	676707.9543	1446270.1155	856.82
EO79	BL-79	676473.5052	1446253.9022	859.05
140	BY-140	676230.3960	1446254.1580	852.27
141	BY-141	675992.6030	1446309.1530	832.50
142	BY-142	675535.2250	1446253.0270	823.49
143	BY-143	675112.1850	1446209.8020	854.45

BY34A

POINT	DESC.	NORTH	EAST	ELEVATION
111	BY-111	676721.8882	1446949.8653	852.65
EO80	BL-80	676395.2070	1446746.9486	861.05
112	BY-112	675917.1975	1446916.1907	848.32

BY34B

POINT	DESC.	NORTH	EAST	ELEVATION
114	BY-114	676558.7031	1447294.8090	862.70
EO81	BL-81	676155.7066	1447504.6352	872.90
113	BY-113	675985.2125	1447337.0967	855.83

BY35

POINT	DESC.	NORTH	EAST	ELEVATION
108	BY-108	676391.1363	1447972.1761	874.50
EO82	BL-82	676183.3426	1447880.9403	877.82
107	BY-107	675899.5655	1447860.6801	870.30

BY37

POINT	DESC.	NORTH	EAST	ELEVATION
109	BY-109	676341.3260	1448240.3967	872.70
EO83	BL-83	676134.0156	1448169.6355	878.38
110	BY-110	675663.4069	1448201.6211	866.24
144	BY-144	675193.7820	1448284.2420	859.76

BY38

POINT	DESC.	NORTH	EAST	ELEVATION
EO147	BL-147	675956.8290	1448718.6750	863.64
146	BY-146	675559.6570	1448663.6880	855.38
145	BY-145	675230.6590	1448621.9930	850.76

BY39

POINT	DESC.	NORTH	EAST	ELEVATION
148	BY-148	676340.8690	1450014.4140	877.87
149	BY-149	676029.0150	1449935.0540	876.32
EO150	BL-150	675574.0000	1449830.3960	867.59

BY40

POINT	DESC.	NORTH	EAST	ELEVATION
153	BY-153	675979.2200	1450724.7530	883.18
154	BY-154	675542.3020	1450737.7320	878.33
EO152	BL-152	675220.7130	1450594.4040	871.86
155	BY-155	674816.8920	1450469.7030	871.91
156	BY-156	674521.1370	1450287.1430	873.38

BY41

POINT	DESC.	NORTH	EAST	ELEVATION
162	BY-162	675029.5050	1452722.0270	843.85
EO161	BL-161	674619.1790	1452526.5980	837.99
163	BY-163	674130.3540	1452455.4030	814.72

BM25 ELEVATION = 870.28
N 676689 E 1445016
RR SPK IN BASE OF POWER POLE

BM26 ELEVATION = 859.71
N 676500 E 1446262
RR SPK IN BASE OF LIGHT POLE

BM28 ELEVATION = 876.00
N 676180 E 1447970
RR SPK IN BASE OF 30" OAK

BM29 ELEVATION = 855.31
N 676030 E 1449035
TIMBER SPIKE SET IN BASE OF 40" OAK

BM30 ELEVATION = 874.79
N 675509 E 1450248
PK NAIL IN CONC. FOOTING FOR LP

BM31 ELEVATION = 870.32
N 674940 E 1451058
RR SPIKE SET IN BASE OF 48" OAK

BM32 ELEVATION = 833.49
N 674655 E 1452169
PK NAIL IN CONC. FOOTING FOR LP

BM33 ELEVATION = 835.53
N 674690 E 1453010
RR SPIKE SET IN BASE OF 8" OAK

BM34 ELEVATION = 857.99
N 674161 E 1453903
NAIL SET IN BASE OF 42" OAK

DATUM DESCRIPTION

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WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF
NORTHING: 670950.320(ft) EASTING: 1404518.010(ft)
ELEVATION: N/A(ft)
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THE N.C. LAMBERT GRID BEARING AND
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N 61°44'22.6"E 14336.472'
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VERTICAL DATUM USED IS NAVD 88

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.

NOTE: DRAWING NOT TO SCALE

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PROJECT REFERENCE NO.	SHEET NO.
R-2307B	RW02C-5
Location and Surveys	

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

EL

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	677738.341	1417145.646							
LINE			N 57°12'56.3" E	314.38					
PC	677948.570	1417409.948							
CURVE			N 55°16'47.3" E	387.10	03°52'18.1"(LT)	01°00'00.0"	387.17	193.66	5729.58
PT	678129.048	1417728.119							
LINE			N 53°20'38.2" E	2929.73					
PC	679878.126	1420078.448							
CURVE			N 64°55'11.1" E	1532.96	23°09'05.8"(RT)	01°30'00.0"	1543.44	782.39	3819.72
PT	680527.928	1421466.875							
LINE			N 76°29'44.1" E	1856.07					
PC	680961.358	1423271.625							
CURVE			N 79°04'53.3" E	586.52	05°10'18.5"(RT)	00°52'53.3"	586.72	293.56	6500.00
PT	681072.453	1423847.531							
LINE			N 81°40'02.5" E	31.40					
PC	681077.004	1423878.599							
CURVE			N 85°21'37.6" E	695.64	07°23'10.1"(RT)	01°03'39.7"	696.13	348.55	5400.00
PT	681133.272	1424571.964							
LINE			N 89°03'12.6" E	171.61					
PC	681136.107	1424743.550							
CURVE			S 80°12'31.2" E	1067.51	21°28'32.4"(RT)	02°00'00.0"	1073.78	543.27	2864.79
PT	680954.566	1425795.509							
LINE			S 69°28'14.9" E	77.11					
POT	680927.523	1425867.727							
LINE			S 65°32'50.2" E	2374.68					
PC	679944.543	1428029.405							
CURVE			S 68°13'09.9" E	279.72	05°20'39.4"(LT)	01°54'35.5"	279.83	140.01	3000.00
PT	679840.750	1428289.160							
LINE			S 70°53'29.6" E	1641.59					
PC	679303.363	1429840.300							
CURVE			N 89°15'51.4" E	407.36	39°41'18.1"(LT)	09°32'57.5"	415.62	216.54	600.00
PT	679308.594	1430247.623							
LINE			N 69°25'12.3" E	3129.83					
PC	680408.773	1433177.720							
CURVE			S 87°50'32.0" E	780.76	45°28'31.5"(RT)	05°40'22.3"	801.63	423.27	1010.00
PT	680379.376	1433957.923							
LINE			S 65°06'16.2" E	1873.96					
PC	679590.507	1435657.746							
CURVE			S 62°58'09.4" E	142.32	04°16'13.6"(RT)	03°00'00.0"	142.35	71.21	1909.86
PT	679525.829	1435784.516							
LINE			S 60°50'02.6" E	864.43					
PC	679104.557	1436539.347							
CURVE			S 63°37'54.1" E	186.43	05°35'43.0"(LT)	03°00'00.0"	186.51	93.33	1909.86
PT	679021.754	1436706.384							
LINE			S 66°25'45.5" E	857.47					
PC	678878.869	1437492.312							
CURVE			S 66°54'10.0" E	189.38	00°56'48.8"(LT)	00°30'00.0"	189.38	94.69	11459.16
PT	678604.578	1437666.509							
LINE			S 67°22'34.4" E	825.88					
POT	678286.879	1438428.839							
LINE			S 65°11'42.8" E	316.91					
PC	678153.925	1438716.515							
CURVE			S 65°52'21.7" E	270.98	01°21'17.8"(LT)	00°30'00.0"	270.99	135.50	11459.16
PT	678043.157	1438963.823							
LINE			S 66°33'00.6" E	667.29					
POT	677777.610	1439576.005							
LINE			S 66°17'36.4" E	556.80					
PC	677553.746	1440085.823							
CURVE			S 73°15'32.5" E	463.23	13°55'52.1"(LT)	03°00'00.0"	464.37	233.34	1909.86
PT	677420.315	1440529.419							
LINE			S 80°13'28.5" E	224.00					
POT	677382.283	1440750.164							
LINE			S 80°33'01.2" E	262.05					
POT	677339.260	1441008.655							
LINE			S 80°01'41.7" E	3015.83					
POT	676817.031	1443978.928							
LINE			S 80°13'29.0" E	4696.69					
POT	676015.607	1448607.425							
LINE			S 80°13'29.0" E	363.38					
PC	675957.912	1448965.526							
CURVE			S 72°28'35.3" E	514.98	15°29'47.4"(RT)	03°00'00.0"	516.55	259.86	1909.86
PT	675802.854	1449456.605							
LINE			S 64°43'41.6" E	1016.26					
PC	675369.000	1450375.601							
CURVE			S 68°59'16.8" E	567.45	08°31'10.5"(LT)	01°30'00.0"	567.97	284.51	3819.72
PT	675165.533	1450905.318							
LINE			S 73°14'52.1" E	2584.13					
PC	674420.701	1453379.781							
CURVE			S 75°33'58.1" E	309.03	04°38'12.1"(LT)	01°30'00.0"	309.11	154.64	3819.72
PT	674343.671	1453679.056							
LINE			S 77°53'04.2" E	20.90					
POT	674339.285	1453699.489							

EY1

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	678153.004	1417760.310							
LINE			N 72°00'52.0" E	61.17					
PC	678171.892	1417818.492							
CURVE			N 66°05'09.1" E	30.99	11°51'25.8"(LT)	38°11'49.9"	31.04	15.58	150.00
PT	678184.453	1417846.818							
LINE			N 60°09'26.2" E	99.46					
PC	678233.948	1417933.093							
CURVE			N 75°08'33.6" E	372.34	29°58'14.7"(RT)	07°57'27.9"	376.62	192.73	720.00
PT	678329.422	1418292.989							
LINE			S 89°52'19.0" E	20.17					
PC	678329.377	1418313.155							
CURVE			S 84°56'22.1" E	83.15	09°51'53.9"(RT)	11°50'56.9"	83.25	41.73	483.54
PCC	678322.043	1418395.983							
CURVE			S 68°11'08.4" E	327.78	23°38'33.6"(RT)	07°09'43.1"	330.11	167.44	800.00
PT	678200.241	1418700.288							
LINE			S 56°21'51.6" E	39.89					
PC	678178.146	1418733.499							
CURVE			S 54°23'28.8" E	82.63	03°56'45.6"(RT)	04°46'28.7"	82.64	41.34	1200.00
PT	678178.146	1418733.499							

EY2

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	681475.876	1424322.824							
LINE			N 85°50'54.3" E	63.08					
PC	681480.443	1424385.736							
CURVE			S 51°26'19.9" E	67.83	85°25'31.7"(RT)	114°35'29.6"	74.55	46.16	50.00
PT	681438.159	1424438.777							
LINE			S 08°43'34.0" E	229.94					
PC	681210.880	1424473.662							
CURVE			S 04°21'47.0" E	76.08	08°43'34.0"(RT)	11°27'33.0"	76.15	38.15	500.00
PT	681135.025	1424479.449							
LINE			S 00°00'00.0" E	4.07					
POT	681130.951	1424479.449							
LINE			S 00°00'00.0" E	19.97					
PC	681110.981	1424479.449							
CURVE			S 37°13'56.7" W	344.88	74°27'53.5"(RT)	20°06'13.6"	370.40	216.58	285.00
PT	680836.394	1424270.781							
LINE			S 74°27'53.5" W	150.75					
POT	680796.018	1424125.539							

EY3

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	681759.526	1424756.827							
LINE			S 51°50'21.1" E	7.07					
PC	681755.155	1424762.389							
CURVE			S 43°42'22.4" E	195.24	16°15'57.3"(RT)	08°18'12.2"	195.89	98.61	690.03
PT	681614.020	1424897.290							
LINE			N 35°34'23.8" W	0.00					
PC	681614.020	1424897.290							
CURVE			S 26°07'19.1" E	131.37	18°54'09.5"(RT)	14°19'26.2"	131.97	66.59	400.00
PT	681496.071	1424955.129							
LINE			S 14°06'05.3" E	382.70					
POT	681124.902	1425048.370							
LINE			S 84°48'11.8" E	3.98					
POT	681124.542	1425052.334							
LINE			S 17°47'41.0" E	316.09					
PC	680823.571	1425148.935							
CURVE			S 02°49'04.6" E	304.94	29°57'12.9"(RT)	09°42'40.1"	308.45	157.83	590.00
PT	680518.995	1425163.926							
LINE			S 12°09'31.9" W	16.99					
POT	680502.385	1425160.348							

EY4

POINT	N	E	BEARING	DIST
POT	680917.045	1425890.769		
LINE			S 19°10'43.0" W	205.07
POT	680722.417	1425823.073		

EY5

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	681332.489	1425977.821							
LINE			S 24°08'03.1" E	6.48					
PC	681326.578	1425980.469							
CURVE			S 30°54'55.3" E	94.46	13°33'44.3"(LT)	14°19'26.2"	94.68	47.56	400.00
PT	681245.536	1426029.001							
LINE			S 37°41'47.5" E	315.31					
PC	680996.042	1426221.808							
CURVE			S 12°28'45.2" E	195.98	50°26'04.5"(RT)	24°54'40.4"	202.46	108.31	230.00
PT	680804.688	1426264.157							
LINE			S 12°44'17.0" W	53.39					
POT	680752.608	1426252.384							

EY6

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	680691.460	1427553.643							
LINE			S 00°21'35.0" E	6.07					
PC	680685.390	1427553.681							
CURVE			S 14°55'41.7" E	70.43	29°08'13.5"(LT)	40°55'32.0"	71.20	36.39	140.00
PT	680617.336	1427571.825							
LINE			S 29°29'48.5" E	77.74					
PC	680549.676	1427610.100							
CURVE			S 02°27'51.2" E	145.44	54°03'54.5"(RT)	35°48'35.5"	150.98	81.64	160.00
PT	680404.371	1427616.354							
LINE			S 24°34'06.0" W	247.60					
POT	680179.183	1427513.405							

EY7

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	680434.240	1428188.743							
LINE			S 00°32'59.1" E	136.02					
PC	680298.231	1428190.048							
CURVE			S 10°12'36.7" E	75.51	19°19'15.2"(LT)	25°27'53.2"	75.87	38.30	225.00
PT	680223.912	1428203.434							
LINE			S 19°52'14.3" E	8.15					
PC	680216.247	1428205.284							
CURVE			S 24°28'10.7" E	76.17	89°11'52.8"(LT)	12°03'44.2"	76.25	38.21	475.00
PT	680146.916	1428237.756							
LINE			S 29°04'07.2" E	102.61					
PC	680057.233	1428287.688							
CURVE			S 03°16'57.1" E	147.90	51°34'20.2"(RT)	33°42'12.2"	153.02	82.13	170.00
PT	679909.572	1428295.077							
LINE			S 22°30'13.0" W	67.35					
POT	679847.354	1428270.301							

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "WATER"
WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF
NORTHING: 670950.320(ft) EASTING: 1404518.010(ft)
ELEVATION: N/A(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS:
THE N.C. LAMBERT GRID BEARING AND
LOCALIZED HORIZONTAL GROUND DISTANCE FROM
"WATER" TO -L- STATION 411+39.11 IS
N 61°44'22.6"E 14336.472'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

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.

11/15/18

REVISIONS

$$$$SYSTIME$$$$
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
R-2307B	RW02C-6
Location and Surveys	

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

11/15/18

REVISIONS

EY8

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	679838.184	1428296.568							
LINE			S 47°49'43.0" W	76.75					
PC	679786.658	1428239.686							
CURVE			S 50°51'41.3" W	179.89	06°03'56.7"(RT)	03°22'13.2"	179.97	90.07	1700.00
PT	679673.112	1428100.159							
LINE			S 53°53'39.7" W	15.89					
PC	679663.746	1428087.318							
CURVE			S 61°24'51.2" W	157.04	15°02'23.1"(RT)	09°32'57.5"	157.50	79.20	600.00
PT	679588.605	1427949.418							
LINE			S 68°56'02.8" W	12.67					
PC	679584.049	1427937.591							
CURVE			S 72°33'39.4" W	164.47	07°15'13.2"(RT)	04°24'26.5"	164.58	82.40	1300.00
PT	679534.759	1427780.680							
LINE			S 76°11'16.0" W	47.07					
POT	679523.521	1427734.972							

EY9

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	680057.022	1429048.075							
LINE			S 07°46'16.9" E	6.80					
PC	680050.284	1429048.995							
CURVE			S 18°49'38.0" E	153.41	22°06'42.1"(LT)	14°19'26.2"	154.37	78.16	400.00
PT	679905.080	1429098.503							
LINE			S 29°52'59.0" E	272.61					
PC	679668.718	1429234.325							
CURVE			S 28°46'37.1" E	77.21	02°12'43.8"(RT)	02°51'53.2"	77.22	38.61	2000.00
PT	679601.039	1429271.496							
LINE			S 27°40'15.2" E	21.48					
PC	679582.017	1429281.470							
CURVE			S 25°06'15.8" E	26.87	05°07'58.8"(RT)	19°05'54.9"	26.88	13.45	300.00
PT	679557.688	1429292.869							
LINE			S 22°32'16.3" E	3.70					
PC	679554.271	1429294.287							
CURVE			S 13°58'31.7" E	22.33	17°07'29.3"(RT)	76°23'39.7"	22.42	11.29	75.00
PT	679532.599	1429299.681							
LINE			S 05°24'47.0" E	43.56					
POT	679489.235	1429303.790							

EY9A

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	680006.984	1429312.084							
LINE			S 15°06'51.2" W	106.16					
PC	679904.496	1429284.403							
CURVE			S 16°48'05.2" W	88.33	03°22'28.1"(RT)	03°49'11.0"	88.34	44.18	1500.00
PT	679819.936	1429258.871							
LINE			S 18°29'19.3" W	28.50					
PC	679792.908	1429249.833							
CURVE			S 25°17'07.2" W	59.17	13°35'35.7"(RT)	22°55'05.9"	59.31	29.80	250.00
PT	679739.404	1429224.559							
LINE			S 32°04'55.0" W	30.31					
POT	679713.725	1429208.462							

EY10

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	679305.570	1430239.386							
LINE			S 02°41'08.0" W	264.86					
PC	679041.001	1430226.976							
CURVE			S 00°32'20.8" E	39.38	06°26'57.5"(LT)	16°22'12.8"	39.40	19.72	350.00
PT	679001.627	1430227.346							
LINE			S 03°45'49.5" E	30.84					
PC	678970.855	1430229.371							
CURVE			S 11°08'20.5" E	51.35	14°45'02.0"(LT)	28°38'52.4"	51.49	25.89	200.00
PT	678920.476	1430239.290							
LINE			S 18°30'51.5" E	7.28					
PC	678913.573	1430241.602							
CURVE			S 30°20'13.3" E	71.71	23°38'43.7"(LT)	32°44'25.6"	72.22	36.63	175.00
PT	678851.683	1430277.821							
LINE			S 42°09'35.2" E	72.52					
POT	678797.928	1430326.494							

EY11

POINT	N	E	BEARING	DIST
POT	679752.098	1431428.803		
LINE			S 21°22'37.0" E	170.67
POT	679593.168	1431491.014		

EY12

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	680818.017	1432720.086							
LINE			S 07°02'30.6" W	195.96					
PC	680623.537	1432696.063							
CURVE			S 08°50'18.3" W	125.41	03°35'35.4"(RT)	02°51'53.2"	125.43	62.73	2000.00
PT	680499.621	1432676.795							
LINE			S 10°38'06.0" W	305.34					
POT	680199.530	1432620.444							

EY13

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	680199.716	1432620.940							
LINE			S 05°31'12.0" W	359.18					
PC	679842.202	1432586.390							
CURVE			S 07°37'48.1" W	147.27	04°13'12.1"(RT)	02°51'53.2"	147.31	73.69	2000.00
PT	679696.232	1432566.835							
LINE			S 09°44'24.1" W	73.69					
POT	679623.609	1432554.369							

EY14

POINT	N	E	BEARING	DIST
POT	680561.042	1434039.450		
LINE			S 25°53'59.8" W	119.25
POT	680453.769	1433987.361		
LINE			S 13°32'24.0" W	81.47
POT	680374.566	1433968.287		

EY15

POINT	N	E	BEARING	DIST
POT	680386.957	1433941.191		
LINE			S 16°03'19.0" W	181.70
POT	680212.347	1433890.940		

EY16

POINT	N	E	BEARING	DIST
POT	680117.947	1434521.240		
LINE			S 24°31'16.0" W	193.12
POT	679942.243	1434441.089		

EY17

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	679960.638	1436053.230							
LINE			S 51°31'57.0" W	123.50					
PC	679883.812	1435956.534							
CURVE			S 46°40'13.4" W	169.52	09°43'27.1"(LT)	05°43'46.5"	169.72	85.06	1000.00
PT	679767.491	1435833.225							
LINE			S 41°48'29.9" W	0.83					
PC	679766.870	1435832.669							
CURVE			S 33°21'19.9" W	173.45	16°54'19.9"(LT)	09°42'40.1"	174.08	87.68	590.00
PT	679621.989	1435737.299							
LINE			S 24°54'10.0" W	62.95					
POT	679564.888	1435710.790							

EY17A

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	679565.546	1435709.480							
LINE			S 34°23'23.0" W	95.04					
PC	679487.113	1435655.797							
CURVE			S 59°45'05.3" W	51.40	50°43'24.7"(RT)	95°29'34.7"	53.12	28.44	60.00
PT	679461.220	1435611.396							
LINE			S 85°06'47.7" W	41.01					
POT	679457.727	1435570.534							

EY18

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	680828.290	1436707.363							
LINE			S 25°01'41.6" W	205.05					
PC	680642.493	1436620.614							
CURVE			S 21°20'29.2" W	167.19	07°22'24.8"(LT)	04°24'26.5"	167.30	83.77	1300.00
PT	680486.772	1436559.771							
LINE			S 17°39'16.8" W	686.63					
PC	679832.481	1436351.530							
CURVE			S 20°50'42.3" W	144.70	06°22'51.1"(RT)	04°24'26.5"	144.78	72.46	1300.00
PT	679697.250	1436300.039							
LINE			S 24°02'07.9" W	160.33					
POT	679550.817	1436234.734							
LINE			S 29°09'52.0" W	241.23					
POT	679340.170	1436117.179							

EY19

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	679350.255	1436099.107							
LINE			S 22°17'16.0" W	89.02					
PC	679267.886	1436065.346							
CURVE			S 18°08'36.5" W	303.53	08°17'18.9"(LT)	02°43'42.1"	303.79	152.16	2100.00
PT	678979.449	1435970.828							
LINE			S 13°59'57.1" W	237.37					
POT	678749.132	1435913.407							
LINE			S 13°59'38.9" W	11.36					
POT	678738.114	1435910.661							
LINE			S 14°52'34.3" W	873.22					
POT	677894.158	1435686.477							

EY20

POINT	N	E	BEARING	DIST
POT	679363.257	1436981.474		
LINE			S 01°26'22.2" E	106.47
POT	679256.818	1436984.148		
LINE			S 22°57'13.0" W	326.54
POT	678956.130	1436856.801		

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "WATER"
WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF
NORTHING: 670950.320(ft) EASTING: 1404518.010(ft)
ELEVATION: N/A(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS:
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "WATER" TO -L- STATION 411+39.11 IS
N 61°44'22.6"E 14336.472'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

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.

$$$$$SYSTIME$$$$$
$$$$$DGN$$$$$$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

11/15/18

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
R-2307B	RW02C-7
Location and Surveys	

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

EY21

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	678817.719	1437174.054							
LINE			S 21°59'47.0" W	74.71					
PC	678748.445	1437146.071							
CURVE			S 12°35'47.6" W	71.86	18°47'58.9"(LT)	26°02'36.7"	72.19	36.42	220.00
PT	678678.312	1437130.399							
LINE			S 03°11'48.1" W	18.50					
POT	678659.845	1437129.367							

EY22

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	678888.285	1438374.962							
LINE			S 16°15'17.6" W	90.64					
PC	678811.265	1438349.590							
CURVE			S 20°38'32.3" W	237.15	08°46'29.4"(RT)	03°41'47.4"	237.38	118.92	1550.00
PT	678579.340	1438285.986							
LINE			S 25°01'47.0" W	207.49					
POT	678391.333	1438178.199							

EY23

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	677732.630	1439678.441							
LINE			S 25°19'56.0" W	269.48					
PC	677489.062	1439563.139							
CURVE			S 20°05'23.3" W	73.10	10°29'05.3"(LT)	14°19'26.2"	73.20	36.70	400.00
PT	677420.414	1439538.031							
LINE			S 14°50'50.7" W	24.67					
PC	677396.567	1439531.709							
CURVE			S 22°35'59.4" W	114.66	15°30'17.5"(RT)	13°28'52.9"	115.01	57.86	425.00
PT	677290.713	1439487.647							
LINE			S 30°21'08.1" W	63.47					
POT	677235.940	1439455.573							

EY25

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	677775.798	1441828.781							
LINE			S 15°48'56.1" E	89.82					
PC	677689.380	1441853.260							
CURVE			S 11°34'20.1" E	266.37	08°29'12.1"(RT)	03°10'59.2"	266.62	133.55	1800.00
PT	677428.421	1441906.696							
LINE			S 07°19'44.0" E	254.85					
POT	677175.652	1441939.206							

EY26

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	677177.543	1441928.449							
LINE			S 10°13'26.0" W	130.29					
PC	677049.326	1441905.324							
CURVE			S 28°28'45.2" W	350.84	36°30'38.4"(RT)	10°13'53.0"	356.85	184.72	550.00
PT	676740.939	1441738.029							
LINE			S 46°44'04.4" W	82.61					
POT	676684.323	1441677.876							

EY27

POINT	N	E	BEARING	DIST
POT	677263.456	1442407.867		
LINE			S 09°42'04.0" W	167.63
POT	677098.219	1442379.619		

EY28

POINT	N	E	BEARING	DIST
POT	677030.378	1442765.480		
LINE			S 09°33'34.0" W	159.77
POT	676872.827	1442738.947		

EY29

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	677080.662	1443502.809							
LINE			S 09°40'46.9" W	177.20					
POT	676905.980	1443473.014							
LINE			S 09°40'46.9" W	68.92					
PC	676838.040	1443461.425							
CURVE			S 11°32'42.8" E	123.89	42°26'59.4"(LT)	33°42'12.2"	125.95	66.02	170.00
PT	676717.441	1443486.061							
LINE			S 32°46'12.5" E	0.63					
POT	676716.909	1443486.403							

EY30

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	677635.022	1445053.691							
LINE			S 45°40'18.7" W	167.06					
POT	677518.286	1444934.186							
LINE			S 47°31'11.8" W	194.04					
POT	677387.245	1444791.079							
LINE			S 46°07'23.6" W	76.17					
PC	677334.449	1444736.172							
CURVE			S 27°52'37.5" W	438.34	36°29'32.3"(LT)	08°11'06.4"	445.84	230.77	700.00
PT	676946.977	1444531.214							
LINE			S 09°37'51.3" W	221.83					
POT	676728.274	1444494.102							
LINE			S 09°37'51.3" W	19.66					
PC	676708.887	1444490.812							
CURVE			S 23°09'49.0" W	327.60	27°03'55.4"(RT)	08°11'06.4"	330.67	168.48	700.00
PT	676407.696	1444361.948							
LINE			S 36°41'46.7" W	129.89					
POT	676303.547	1444284.328							
LINE			S 39°07'31.7" W	155.98					
POT	676182.546	1444185.904							
LINE			S 39°07'31.7" W	252.16					
PC	675986.933	1444026.789							
CURVE			S 42°26'57.5" W	173.94	06°38'51.5"(RT)	03°49'11.0"	174.03	87.12	1500.00
PT	675858.589	1443989.393							
LINE			S 45°46'23.2" W	162.68					
POT	675745.119	1443792.818							

EY30A

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	677277.041	1444682.799							
LINE			S 51°45'39.0" E	77.09					
PC	677229.323	1444743.352							
CURVE			S 64°17'14.5" E	65.07	25°03'11.0"(LT)	38°11'49.9"	65.59	33.33	150.00
PT	677201.093	1444801.977							
LINE			S 76°48'50.0" E	76.53					
POT	677183.635	1444876.491							

EY31

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	677223.374	1444877.214							
LINE			S 01°08'37.9" W	30.55					
PC	677192.829	1444876.604							
CURVE			S 06°17'52.1" E	155.42	14°53'00.1"(LT)	09°32'57.5"	155.86	78.37	600.00
PT	677038.347	1444893.653							
LINE			S 13°44'22.2" E	145.60					
POT	676896.909	1444928.235							
LINE			S 11°27'30.6" E	69.06					
POT	676829.228	1444941.954							
LINE			S 11°27'30.6" E	12.07					
PC	676817.394	1444944.353							
CURVE			S 05°40'14.8" E	94.79	11°34'31.6"(RT)	12°11'26.1"	94.95	47.64	470.00
PT	676723.065	1444953.720							
LINE			S 00°07'01.0" W	73.95					
POT	676649.115	1444953.569							

EY32

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	677414.269	1446003.595							
LINE			S 38°07'08.3" E	412.67					
PC	677089.609	1446258.335							
CURVE			S 21°08'28.9" E	102.20	33°57'18.8"(RT)	32°44'25.6"	103.71	53.43	175.00
PT	676994.288	1446295.195							
LINE			S 04°09'49.5" E	51.72					
PC	676942.706	1446298.950							
CURVE			S 00°47'38.3" E	141.07	06°44'22.5"(RT)	04°46'28.7"	141.15	70.66	1200.00
PT	676801.647	1446300.905							
LINE			S 02°34'33.0" W	382.09					
POT	676419.946	1446283.734							

EY33

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	676418.667	1446291.158							
LINE			S 00°12'17.0" W	219.47					
POT	676199.194	1446290.374							
LINE			S 02°48'58.9" W	121.88					
POT	676077.457	1446284.385							
LINE			S 01°28'57.6" W	557.91					
PC	675519.729	1446269.950							
CURVE			S 07°04'02.8" W	97.32	11°10'10.3"(RT)	11°27'33.0"	97.47	48.89	500.00
PT	675423.150	1446257.976							
LINE			S 12°39'07.9" W	547.96					
POT	674888.499	1446137.955							

DATUM DESCRIPTION

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NORTHING: 670950.320(ft) EASTING: 1404518.010(ft)
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THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT
(GROUND TO GRID) IS:
THE N.C. LAMBERT GRID BEARING AND
LOCALIZED HORIZONTAL GROUND DISTANCE FROM
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ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

NOTES:

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
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$$$$$SYSTIME$$$$
$$$$$$$$DGN$$$$$$$$
$$$$$$$$USERNAME$$$$

11/15/18

PROJECT REFERENCE NO.	SHEET NO.
R-2307B	RW02C-8

Location and Surveys

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

EY34_RPA

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
POT	677450.184	1447009.927											
LINE			S 02°25'29.4" W	186.89									
TS	677263.466	1447002.020											
SPIRAL			S 04°25'28.8" W	299.85						06°00'00.0"(RT)	300.00	200.12	100.10
SC	676964.506	1446978.887											
CURVE			S 09°15'59.7" W	42.09	01°41'00.6"(RT)	04°00'00.0"	42.09	21.05	1432.39				
CS	676922.970	1446972.110											
SPIRAL			S 14°06'30.7" W	299.85						06°00'00.0"(RT)	300.00	200.12	100.10
ST	676632.161	1446899.018											
LINE			S 16°06'30.0" W	315.52									
POT	676329.024	1446811.474											

EY34_RPB

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	675184.223	1447245.055							
LINE			N 12°39'15.5" W	85.14					
PC	675267.294	1447226.404							
CURVE			N 19°33'38.7" W	384.80	13°48'46.4"(LT)	03°34'51.6"	385.73	193.80	1600.00
PT	675629.882	1447097.572							
LINE			N 26°28'01.9" W	243.38					
POT	675847.755	1446989.100							
LINE			N 27°58'21.6" W	329.43					
PC	676138.698	1446834.581							
CURVE			N 12°29'03.3" W	146.87	30°58'36.6"(RT)	20°50'05.4"	148.68	76.20	275.00
PT	676282.100	1446802.831							
LINE			N 03°00'15.0" E	48.05					
POT	676330.079	1446805.349							

EY34_RPC

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	675233.756	1447327.477							
LINE			N 09°03'08.1" W	33.30					
PC	675266.639	1447322.239							
CURVE			N 00°09'33.5" E	464.23	18°25'23.1"(RT)	03°57'05.2"	466.24	235.15	1450.00
PT	675730.869	1447323.529							
LINE			N 09°22'15.0" E	502.54					
POT	676226.707	1447405.355							

EY34_RPD

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
POT	677481.470	1447104.535											
LINE			S 00°19'19.9" W	49.92									
TS	677431.553	1447104.255											
SPIRAL			S 00°48'10.0" E	149.98						03°22'30.0"(LT)	150.00	100.02	50.02
SC	677281.590	1447106.356											
CURVE			S 08°37'23.9" E	247.19	11°08'27.6"(LT)	04°30'00.0"	247.58	124.18	1273.24				
CS	677037.197	1447143.419											
SPIRAL			S 20°11'40.0" E	399.56						09°00'00.0"(LT)	400.00	267.01	133.65
ST	676662.198	1447281.350											
LINE			S 23°11'37.8" E	252.97									
PC	676429.677	1447380.979											
CURVE			S 16°57'23.4" E	130.38	12°28'28.8"(RT)	09°32'57.5"	130.63	65.58	600.00				
PT	676304.968	1447419.003											
LINE			S 10°43'09.0" E	84.81									
POT	676221.638	1447434.777											

EY35

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	676145.840	1447874.732							
LINE			S 10°18'27.0" W	160.16					
PC	675988.268	1447846.075							
CURVE			S 01°19'28.5" E	116.94	23°15'50.9"(LT)	19°45'25.8"	117.75	59.70	290.00
PT	675871.356	1447848.778							
LINE			S 12°57'23.9" E	74.86					
POT	675798.399	1447865.564							

EY35A

POINT	N	E	BEARING	DIST
POT	675837.078	1447856.665		
LINE			N 81°37'08.0" E	85.29
POT	675849.509	1447941.043		

EY36

POINT	N	E	BEARING	DIST
POT	676538.524	1447985.849		
LINE			S 11°40'33.6" W	93.96
POT	676446.508	1447966.834		
LINE			S 10°48'00.8" W	76.42
POT	676371.439	1447952.513		
LINE			S 09°55'28.0" W	235.53
POT	676139.433	1447911.920		

EY36A

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	676456.024	1448243.644							
LINE			S 10°59'51.6" W	82.35					
PC	676375.182	1448227.934							
CURVE			S 05°02'28.5" W	83.02	11°54'46.3"(LT)	14°19'26.2"	83.17	41.73	400.00
PT	676292.486	1448220.639							
LINE			S 00°54'54.7" E	62.52					
PC	676229.973	1448221.637							
CURVE			S 03°36'09.1" W	63.01	09°02'07.7"(RT)	14°19'26.2"	63.08	31.61	400.00
PT	676167.083	1448217.678							
LINE			S 08°07'13.0" W	79.19					
POT	676088.683	1448206.491							

EY36B

POINT	N	E	BEARING	DIST
POT	676501.705	1447978.240		
LINE			S 80°14'03.0" E	269.31
POT	676456.024	1448243.644		

EY37

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	676087.024	1448216.121							
LINE			S 07°50'26.0" W	180.03					
POT	675908.672	1448191.561							
LINE			S 07°50'26.0" W	199.89					
PC	675710.651	1448164.293							
CURVE			S 05°19'06.8" W	44.00	05°02'38.3"(LT)	11°27'33.0"	44.02	22.02	500.00
PT	675666.838	1448160.214							
LINE			S 02°47'47.7" W	13.84					
PC	675653.011	1448159.538							
CURVE			S 15°52'38.9" E	176.10	37°20'53.1"(LT)	20°50'05.4"	179.26	92.94	275.00
PT	675483.628	1448207.716							
LINE			S 34°33'05.4" E	5.20					
PC	675479.344	1448210.666							
CURVE			S 13°34'44.0" E	164.64	41°56'42.8"(RT)	24°54'40.4"	168.38	88.16	230.00
PT	675319.303	1448249.322							
LINE			S 07°23'37.4" W	109.64					
PC	675210.574	1448235.212							
CURVE			S 19°27'33.2" W	73.16	24°07'51.7"(RT)	32°44'25.6"	73.70	37.41	175.00
PT	675141.593	1448210.840							
LINE			S 31°31'29.1" W	0.98					
POT	675140.759	1448210.328							

EY37A

POINT	N	E	BEARING	DIST
POT	675221.872	1448236.678		
LINE			S 83°02'59.0" E	392.71
POT	675174.350	1448626.504		

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "WATER"
WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 670950.320(ft) EASTING: 1404518.010(ft)
ELEVATION: N/A(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS:
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "WATER" TO -L- STATION 411+39.11 IS
N 61°44'22.6"E 14336.472'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

NOTES:

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

2. THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

$$$$SYSTIME$$$$
$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

11/15/18

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
R-2307B	RW02C-9
Location and Surveys	

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

EY38

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	675978.612	1448845.374							
LINE			S 13°26'25.0" W	74.11					
PC	675906.529	1448828.148							
CURVE			S 34°51'26.4" W	87.64	42°50'02.9"(RT)	47°44'47.3"	89.71	47.07	120.00
PT	675834.616	1448778.061							
LINE			S 56°16'27.9" W	31.83					
PC	675816.942	1448751.586							
CURVE			S 31°50'15.3" W	99.29	48°52'25.1"(LT)	47°44'47.3"	102.36	54.53	120.00
PT	675732.595	1448699.212							
LINE			S 07°24'02.7" W	59.31					
PC	675673.782	1448691.573							
CURVE			S 21°32'01.7" W	90.34	28°15'57.9"(RT)	30°58'14.5"	91.27	46.58	185.00
PT	675589.744	1448658.412							
LINE			S 35°40'00.6" W	59.48					
PC	675541.419	1448623.729							
CURVE			S 21°21'43.7" W	81.54	28°36'33.9"(LT)	34°43'29.0"	82.39	42.07	165.00
PT	675465.485	1448594.028							
LINE			S 07°03'26.7" W	285.07					
POT	675182.579	1448559.004							

EY39

POINT	N	E	BEARING	DIST
POT	676284.582	1449295.634		
LINE			S 19°18'22.0" W	394.40
POT	675912.357	1449165.239		

EY40

POINT	N	E	BEARING	DIST
POT	676270.437	1449571.821		
LINE			S 13°51'02.0" W	655.77
POT	675633.734	1449814.836		

EY41

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	676021.771	1450767.188							
LINE			S 06°07'32.1" W	450.13					
PC	675574.210	1450719.155							
CURVE			S 09°38'17.6" W	147.04	07°01'30.9"(RT)	04°46'28.7"	147.14	73.66	1200.00
PT	675429.241	1450694.536							
LINE			S 13°09'03.0" W	182.82					
POT	675251.211	1450652.941							

EY41A

POINT	N	E	BEARING	DIST
POT	675247.317	1450663.263		
LINE			S 26°24'29.0" W	703.61
POT	674617.133	1450350.326		

EY42

POINT	N	E	BEARING	DIST
POT	675037.243	1452723.764		
LINE			S 17°03'14.0" W	401.30
POT	674653.592	1452606.075		

EY42A

POINT	N	E	BEARING	DIST
POT	674651.998	1452611.370		
LINE			S 16°45'23.0" W	425.85
POT	674244.232	1452488.597		

EY43

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	674552.800	1452940.924							
LINE			S 16°45'08.0" W	71.46					
PC	674484.372	1452920.327							
CURVE			S 59°19'53.0" W	387.02	85°09'30.0"(RT)	20°02'00.6"	425.08	262.80	285.00
PT	674286.964	1452587.438							
LINE			N 78°05'22.0" W	82.62					
POT	674304.016	1452506.597							

DATUM DESCRIPTION

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IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY
NCGS FOR MONUMENT "WATER"
WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF
NORTHING: 670950.320(ft) EASTING: 1404518.010(ft)
ELEVATION: N/A(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT
(GROUND TO GRID) IS:
THE N.C. LAMBERT GRID BEARING AND
LOCALIZED HORIZONTAL GROUND DISTANCE FROM
"WATER" TO -L- STATION 411+39.11 IS
N 61°44'22.6"E 14336.472'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

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.

$$$$$SYSTIME$$$$
$$$$$$$$$$DGN$$$$$$$$$$
$$$$$$$USERNAME$$$$$$$

PROPOSED ALIGNMENT CONTROL SHEET

L

TYPE	STATION	NORTH	EAST
POT	411+39.11	677738.3408	1417145.6459
PC	414+53.49	677908.5697	1417409.9480
PT	418+40.66	678129.0476	1417728.1188
PC	432+51.35	678971.2421	1418859.8203
PRC	439+66.05	679410.5851	1419423.4562
CS	450+88.18	680078.3865	1420324.7377
SC	453+63.18	680227.8229	1420555.5570
CS	460+45.32	680505.2910	1421176.8720
ST	463+95.32	680594.0794	1421515.3600
TS	479+95.32	680967.7123	1423071.1230
SC	482+05.32	681015.3202	1423275.6511
CS	489+38.25	681118.5219	1424000.6185
ST	490+88.25	681127.2335	1424150.3639
TS	495+33.05	681150.8454	1424594.5281
SC	496+98.05	681157.9441	1424759.3686
CS	507+88.15	680967.5284	1425825.3701
ST	510+63.15	680857.9252	1426077.5507
TS	530+23.56	680046.4274	1427862.1205
SC	532+23.56	679964.8560	1428044.7258
CS	534+89.94	679866.0281	1428292.0562
ST	536+89.94	679799.2994	1428480.5923
PC	550+30.85	679360.3418	1429747.6216
PT	557+24.15	679369.2729	1430427.0599
PC	583+84.09	680305.7877	1432916.6842
PT	598+29.72	680253.2034	1434323.6270
PC	612+79.72	679642.8048	1435638.8888
PT	617+69.03	679406.5173	1436066.9128
PC	620+69.03	679243.5402	1436318.7827
PT	625+90.38	678997.1408	1436777.5798
PC	661+58.80	677570.1908	1440048.2717
PT	667+07.56	677412.8220	1440572.6134
PC	751+77.85	675965.1406	1448918.2721
PT	757+92.84	675780.4121	1449502.9296
PC	767+54.97	675370.3329	1450373.2871
PT	773+34.12	675163.0666	1450913.5128
PC	799+09.69	674420.7008	1453379.7802
PT	802+18.81	674343.6716	1453679.0552
POT	802+39.71	674339.2851	1453699.4891

TRAIL1

TYPE	STATION	NORTH	EAST
POT	10+00.00	679473.8292	1419372.6434
PC	12+24.95	679630.6085	1419533.9541
PT	16+88.21	679912.3021	1419900.4266
PC	21+21.55	680134.9238	1420272.2181
PRC	22+08.39	680187.2368	1420341.3098
PRC	24+38.42	680315.0784	1420531.2998
PT	26+17.77	680395.3060	1420691.6698
PC	27+47.04	680457.2483	1420805.1269
PRC	28+44.62	680481.6920	1420898.5994
PT	29+19.09	680496.2560	1420971.1916

TRAIL2

TYPE	STATION	NORTH	EAST
PC	69+78.16	681190.0325	1424380.3756
PRC	70+30.20	681205.8892	1424429.3223
PT	70+70.54	681220.4442	1424466.6516
PC	71+16.52	681228.2276	1424511.9733
PT	72+05.97	681235.4223	1424601.0166
PC	73+88.75	681233.8089	1424783.7814
PRC	75+07.50	681231.3503	1424902.5125
PRC	75+45.86	681254.6106	1424928.2672
PRC	75+94.14	681265.4706	1424964.0356
PT	76+38.48	681246.0897	1425002.3145
PC	81+87.20	681232.2441	1425550.8559
PCC	84+92.64	681193.6093	1425853.3118
PRC	86+90.03	681068.3378	1425995.4688
PCC	89+33.34	680923.5713	1426176.2802
PRC	90+71.62	680928.8541	1426313.7757
PRC	94+65.20	680731.6135	1426605.7981
PT	95+62.45	680657.6441	1426662.9377
PC	103+70.74	680323.0620	1427398.7194
PRC	104+91.40	680362.9129	1427499.1711
PT	105+88.06	680394.7434	1427579.6427
PC	106+46.52	680370.4379	1427632.8081
PRC	107+20.29	680352.6904	1427703.9805
PRC	109+94.56	680180.8549	1427890.0550
PT	110+96.90	680102.9635	1427949.4119
PC	113+57.50	679999.5788	1428188.6257
PT	114+21.72	679994.1050	1428251.5136
PC	114+72.78	680005.9580	1428301.1742
PRC	116+06.52	679953.7704	1428413.6526
PT	116+75.71	679907.1875	1428462.9413
PC	117+92.53	679860.4917	1428570.0183
PRC	118+63.60	679821.2203	1428628.8089
PT	119+06.91	679798.7575	1428665.4423
PC	120+26.50	679759.6073	1428778.4476
PRC	121+90.01	679753.4230	1428939.4705
PRC	122+84.45	679733.9721	1429028.3376
PT	123+36.86	679708.3818	1429073.7666
PC	125+04.14	679652.8616	1429231.5684
PRC	125+79.77	679604.3731	1429287.2521
PT	126+66.87	679552.7037	1429353.9601

Y

TYPE	STATION	NORTH	EAST
POT	10+00.00	678572.7213	1418324.3067
PC	11+10.97	678483.6975	1418390.5568
PT	14+89.34	678224.5742	1418663.7130
PC	15+73.16	678178.1460	1418733.4986
PT	16+55.81	678130.0359	1418800.6766
POT	16+55.81	678130.0359	1418800.6766

Y1

TYPE	STATION	NORTH	EAST
POT	10+10.68	681144.6704	1424478.3698
PC	10+33.50	681121.8663	1424479.2413
PT	14+14.79	680836.3935	1424270.7807
POT	15+65.54	680796.0184	1424125.5386

Y2

TYPE	STATION	NORTH	EAST
POT	10+00.00	681759.5259	1424756.8272
PC	10+07.07	681755.1554	1424762.3890
PCC	12+02.97	681614.0198	1424897.2905
PCC	13+25.40	681505.1652	1424952.2874
PT	16+85.88	681155.5122	1425038.6334
POT	16+91.51	681149.9631	1425039.5827

Y2DET

TYPE	STATION	NORTH	EAST
POT	10+00.00	681759.5259	1424756.8272
PC	10+07.07	681755.1554	1424762.3890
PCC	11+97.56	681618.4099	1424894.1245
PT	13+21.01	681503.0746	1424932.3546
POT	16+91.39	681132.7263	1424936.5879

Y3

TYPE	STATION	NORTH	EAST
POT	10+00.00	681149.8186	1425041.3811
PC	11+40.00	681015.4335	1425080.6436
PRC	12+94.92	680869.3986	1425132.1043
PT	16+52.20	680518.9952	1425163.9264
POT	16+69.19	680502.3854	1425160.3477

Y4

TYPE	STATION	NORTH	EAST
POT	10+00.00	681332.4886	1425977.8212
PC	10+06.48	681326.5777	1425980.4695
PT	11+01.16	681245.5362	1426029.0013
PC	14+16.47	680996.0423	1426221.8079
PT	16+18.93	680804.6885	1426264.1573
POT	16+48.32	680776.0168	1426257.6758

Y4A

TYPE	STATION	NORTH	EAST
POT	10+00.00	680965.4563	1426241.7786
POT	11+50.00	681040.5468	1426371.6301

Y5

TYPE	STATION	NORTH	EAST
POT	10+00.00	680691.4601	1427553.6433
PC	10+06.07	680685.3897	1427553.6814
PT	10+77.27	680617.3361	1427571.8250
PC	11+55.00	680549.6760	1427610.1003
PT	13+05.98	680404.3715	1427616.3535
POT	15+30.08	680200.5559	1427523.1757

Y6

TYPE	STATION	NORTH	EAST
POT	10+00.00	680434.2403	1428188.7431
PC	11+36.02	680298.2306	1428190.0481
PT	12+11.89	680223.9124	1428203.4337
PC	12+20.04	680216.2470	1428206.2041
PT	12+96.29	680146.9162	1428237.7556
PC	13+98.90	680057.2334	1428287.6082
PT	15+51.92	679909.5716	1428296.0771
POT	15+94.18	679870.5306	1428279.9029

Y7

TYPE	STATION	NORTH	EAST
POT	10+00.00	679856.8372	1428317.1606
PC	11+04.53	679786.6581	1428239.6862
PT	12+84.51	679673.1118	1428100.1592
PC	13+00.40	679663.7461	1428087.3183
PT	14+57.90	679588.6046	1427949.4176
PC	14+70.57	679584.0492	1427937.5911
PT	16+35.15	679534.7588	1427780.6803
POT	16+82.22	679523.5214	1427734.9716

Y8

TYPE	STATION	NORTH	EAST
POT	10+00.00	680006.9842	1429312.0839
PC	11+06.16	679904.4959	1429284.4032
PT	11+94.50	679819.9356	1429258.8706
POT	14+68.79	679559.8025	1429171.8883

Y8DET

TYPE	STATION	NORTH	EAST
POT	10+00.00	680215.7357	1429367.4278
PC	11+15.11	680104.5519	1429337.6129
PRC	12+76.65	679944.4018	1429327.9801
PT	14+33.47	679788.8100	1429319.5409
PC	14+93.88	679730.2806	1429304.5825
PT	16+31.76	679593.5017	1429293.9100
POT	17+36.49	679489.2354	1429303.7901

Y9

TYPE	STATION	NORTH	EAST
POT	9+90.00	680066.9301	1429046.7232
PC	10+06.80	680050.2844	1429048.9949
PCC	10+81.48	679977.6602	1429065.9216
PT	12+67.84	679850.9587	1429193.3470
POT	13+39.80	679828.5545	1429261.7236

Y9DET

TYPE	STATION	NORTH	EAST
POT	10+00.00	680057.0220	1429048.0754
PC	11+09.01	679949.0122	1429062.8159
PT	12+21.88	679838.8270	1429046.5526
PC	12+81.88	679784.2571	1429021.6103
PT	14+09.47	679665.8706	1428974.1726
POT	14+68.47	679610.1214	1428954.8585

Y10

TYPE	STATION	NORTH	EAST
POT	10+00.00	679318.9547	1430240.0135
PC	12+78.26	679041.0013	1430226.9758
PT	13+17.66	679001.6273	1430227.3463
PC	13+48.49	678970.8554	1430229.3706
PT	13+99.98	678920.4756	1430239.2903
PC	14+07.26	678913.5729	1430241.6018
PT	14+79.48	678851.6826	1430277.8213
POT	15+52.00	678797.9280	1430326.4943

Y11

TYPE	STATION	NORTH	EAST
POT	10+00.00	679746.8661	1431430.8511
POT	11+65.05	679593.1677	1431491.0135

Y12

TYPE	STATION	NORTH	EAST
POT	10+00.00	680818.0166	1432720.0860
PC	11+95.96	680623.5372	1432696.0629
PT	13+21.38	680499.6212	1432676.7946
POT	16+32.39	680193.9584	1432619.3981

Y13

TYPE	STATION	NORTH	EAST
POT	10+00.00	680194.3432	1432620.4210
PC	13+53.78	679842.2022	1432586.3896
PT	15+01.09	679696.2322	1432566.8352
POT	15+74.77	679623.6091	1432554.3693

Y14

TYPE	STATION	NORTH	EAST
POT	10+00.00	680381.7359	1433939.6886
POT	11+76.26	680212.3473	1433890.9403

Y15

TYPE	STATION	NORTH	EAST
POT	10+00.00	679960.6383	1436053.2301
PC	11+23.50	679883.8119	1435956.5335
PT	12+93.22	679767.4912	1435833.2246
PC	12+94.05	679766.8703	1435832.6693
PT	14+68.14	679621.9895	1435737.2993
POT	14+92.06	679600.2942	1435727.2274

Y16

TYPE	STATION	NORTH	EAST
POT	10+00.00	680822.9566	1436704.0797
PC	11+17.51	680715.9529	1436655.5126
PT	15+15.43	680343.7787	1436515.5283
PC	18+61.75	680012.2585	1436415.3562
PT	24+93.26	679432.4224	1436168.3618
POT	25+70.27	679365.2844	1436130.6354

Y17

TYPE	STATION	NORTH	EAST
POT	10+00.00	679342.6449	1436165.6232
PC	10+92.10	679265.3218	1436115.5898
PT	14+40.60	678947.8607	1435975.3780
PC	26+64.73	677764.0926	1435663.6470
PT	32+30.21	677205.1263	1435587.9754
POT	36+21.45	676813.9199	1435583.4264

Y18

TYPE	STATION	NORTH	EAST
POT	10+00.00	679256.8177	1436984.1484
POT	13+20.63	678961.5722	1436859.1061

Y19

TYPE	STATION	NORTH	EAST
POT	10+00.00	678888.2846	1438374.9616
PC	10+90.64	678801.2648	1438349.5896
PT	13+28.03	678579.3396	1438265.9864
POT	15+40.34	678386.9636	1438176.1584

Y20

TYPE	STATION	NORTH	EAST
POT	10+00.00	677731.7284	1439678.0137
POT	12+68.48	677489.0622	1439563.1389

Y21

TYPE	STATION	NORTH	EAST
POT	10+00.00	677775.7983	1441828.7810
PC	10+89.82	677689.3800	1441853.2604
PCC	13+62.67	677422.2356	1441907.4805
PT	15+10.77	677274.7149	1441903.9905
POT	16+02.25	677184.5864	1441888.3563

Y22

TYPE	STATION	NORTH	EAST
POT	10+00.00	677182.4147	1441900.8762
PC	11+30.19	677054.2959	1441877.7689
PT	12+28.78	676959.4415	1441851.4047
PC	12+89.11	676903.0569	1441829.9388
PT	14+05.73	676802.7710	1441771.4464
PC	14+05.73	676802.7710	1441771.4464
PT	14+72.61	676754.0462	1441725.6917
POT	15+55.22	676697.4298	1441665.5392

Y23

TYPE	STATION	NORTH	EAST
PC	10+00.00	677093.7769	1442145.6413
PT	13+11.74	676950.0624	1441897.0033
PC	13+11.74	676950.0624	1441897.0033
PT	15+80.40	676727.8309	1441750.3652
POT	16+63.01	676671.2154	1441690.2131

Y24

TYPE	STATION	NORTH	EAST
POT	10+00.00	677263.4562	1442407.8668
POT	11+66.50	677099.3363	1442379.8100

Y25

TYPE	STATION	NORTH	EAST
POT	10+00.00	677281.6520	1443537.0914
POT	13+77.43	676909.5965	1443473.6305

Y26

TYPE	STATION	NORTH	EAST
POT	10+00.00	677635.0215	1445053.6915
PC	14+41.04	677326.8362	1444738.1924
PT	18+78.80	676945.7304	1444537.6288
POT	20+96.25	676731.4768	1444500.4632

NOTES:

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

2. THE PROPOSED ALIGNMENT CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATINO REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

REVISIONS

1/22/19
23-JAN-2019 14:37
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Walker AT TWT1710

PROPOSED ALIGNMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW02D-2

Location and Surveys

TAYLOR WISEMAN & TAYLOR
ENGINEERS | SURVEYORS | SCIENTISTS
SUBSURFACE UTILITY ENGINEERS

Y26A

TYPE	STATION	NORTH	EAST
POT	10+00.00	676731.8186	1444498.4926
PC	10+21.14	676710.9940	1444494.8803
PCC	13+61.93	676401.6209	1444359.8973
PT	22+38.16	675738.5277	1443787.9296

Y27

TYPE	STATION	NORTH	EAST
POT	10+00.00	677272.6984	1444688.3094
PC	10+70.08	677229.3231	1444743.3522
PT	11+35.67	677201.0930	1444801.9767
POT	12+12.20	677183.6349	1444876.4910

Y28

TYPE	STATION	NORTH	EAST
POT	10+00.00	676896.9094	1444928.2352
PC	10+81.13	676817.3935	1444944.3529
PT	11+76.09	676723.0650	1444953.7196
POT	12+46.27	676652.8774	1444953.5763

Y29

TYPE	STATION	NORTH	EAST
POT	10+00.00	677162.0831	1446201.4335
PC	10+87.07	677093.5961	1446255.2052
PT	12+16.73	676973.5536	1446297.8673
PC	13+19.96	676870.3349	1446299.6562
PT	14+40.29	676750.0402	1446298.1221
POT	17+68.54	676422.0837	1446284.0663

Y30

TYPE	STATION	NORTH	EAST
POT	10+00.00	676420.5722	1446292.7798
POT	18+40.80	675580.0382	1446271.6655

Y31

TYPE	STATION	NORTH	EAST
POT	10+00.00	674026.2129	1447518.5551
TS	26+08.08	675604.0390	1447208.1189
SC	27+58.08	675751.3112	1447179.6460
CS	53+35.90	678316.5132	1447141.6631
ST	54+85.90	678464.5638	1447165.7630
POT	70+00.00	679958.1874	1447413.9442

Y31RPA

TYPE	STATION	NORTH	EAST
POT	10+00.00	677268.1376	1447004.2394
TS	10+68.90	677199.3110	1447001.0381
SC	12+68.90	676999.9099	1446986.3492
CS	13+51.88	676918.0213	1446973.0228
ST	15+51.88	676724.2519	1446923.7278
POT	19+61.16	676330.4832	1446812.1288

Y31RPB

TYPE	STATION	NORTH	EAST
TS	10+00.00	675148.6274	1447250.6540
SC	12+00.00	675343.8718	1447207.4949
CS	14+30.71	675560.9087	1447129.9663
ST	16+30.71	675739.3094	1447039.6542
PC	20+78.85	676134.3789	1446828.1120
PT	22+32.82	676282.7994	1446794.9866
POT	22+83.09	676332.9998	1446797.6212

Y31RPC

TYPE	STATION	NORTH	EAST
TS	10+00.00	675124.7318	1447349.1330
SC	12+00.00	675321.7535	1447314.9927
CS	14+74.24	675595.4485	1447306.4955
ST	17+74.24	675892.6776	1447346.1094
POT	21+14.34	676228.0509	1447402.6350

Y31RPD

TYPE	STATION	NORTH	EAST
CS	10+00.00	677534.2088	1447106.9726
SC	12+00.00	677334.3060	1447103.1128
CS	16+23.99	676918.7917	1447179.1842
ST	18+23.99	676732.8807	1447252.8016
POT	23+85.18	676216.0899	1447471.5885

Y32

TYPE	STATION	NORTH	EAST
POT	10+00.00	676146.1487	1447874.7883
PC	11+60.47	675988.2683	1447846.0752
PT	12+78.22	675871.3563	1447848.7785
POT	13+53.08	675798.3989	1447865.5639

Y33

TYPE	STATION	NORTH	EAST
POT	10+00.00	676538.5240	1447985.8490
PC	10+93.96	676446.5080	1447966.8336
PT	11+70.39	676371.4385	1447952.5130
POT	14+05.65	676139.7002	1447911.9663

Y34

TYPE	STATION	NORTH	EAST
POT	10+00.00	676456.0243	1448243.6444
PC	10+98.94	676358.9033	1448224.7701
PT	11+64.40	676293.9058	1448217.5840
PC	12+58.49	676199.8577	1448214.9237
PT	13+15.51	676143.9222	1448224.0528
POT	13+81.90	676081.5943	1448246.9345

Y35

TYPE	STATION	NORTH	EAST
POT	10+00.00	676100.7665	1448136.4098
PC	10+75.14	676035.6706	1448173.9462
PT	11+83.08	675931.6545	1448194.3789
PC	14+34.89	675682.1406	1448160.4573
PT	16+43.79	675483.5147	1448207.7942
POT	16+48.86	675479.3443	1448210.6659

Y36

TYPE	STATION	NORTH	EAST
POT	10+00.00	675973.6910	1448868.9805
PC	10+89.00	675913.0439	1448803.8416
PT	13+01.05	675730.5879	1448702.8464
PC	13+70.21	675662.6717	1448689.7842
PT	14+50.22	675589.7440	1448658.4116

Y37

TYPE	STATION	NORTH	EAST
POT	10+00.00	676284.5818	1449295.6344
POT	13+98.53	675908.4585	1449163.8728

Y38

TYPE	STATION	NORTH	EAST
POT	10+00.00	676270.4368	1449971.8209
POT	16+56.03	675633.4830	1449814.7739

Y39

TYPE	STATION	NORTH	EAST
POT	10+00.00	676260.9919	1450792.8610
PC	15+80.24	675684.0689	1450730.9451
PT	19+48.08	675321.6478	1450669.3974
POT	20+20.04	675251.5704	1450653.0244

Y40

TYPE	STATION	NORTH	EAST
POT	10+00.00	675247.9210	1450662.6801
PC	15+71.49	674735.9945	1450408.6567
PT	19+10.03	674426.5884	1450271.5190
POT	19+19.95	674417.3482	1450267.8946

Y41

TYPE	STATION	NORTH	EAST
POT	10+00.00	675037.2425	1452723.7638
POT	14+01.30	674653.5920	1452606.0754

Y42

TYPE	STATION	NORTH	EAST
POT	10+00.00	674651.9982	1452611.3704
POT	14+25.85	674244.2318	1452488.5970

Y43

TYPE	STATION	NORTH	EAST
POT	10+00.00	674552.5879	1452941.6287
PC	10+67.61	674487.8494	1452922.1420
PT	11+06.68	674451.4686	1452908.0095
POT	11+20.00	674439.4640	1452902.2304

Y44

TYPE	STATION	NORTH	EAST
POT	10+00.00	674844.8990	1453551.9585
PC	10+92.90	674774.0054	1453491.9215
PRC	13+64.37	674594.5449	1453289.4611
PT	14+65.30	674515.2403	1453230.3655
POT	15+12.76	674469.7936	1453216.6857

Y45

TYPE	STATION	NORTH	EAST
POT	9+50.00	675153.2192	1452066.4933
POT	12+76.64	674829.8097	1452020.6498

NOTES:

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REVISIONS

1/22/19

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Walker, Dan T. WI1710

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5/10/22

REVISIONS

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW03E-01

Location and Surveys

ESP ASSOCIATES, INC
345 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 right of way and permanent easement monumentation for this project shown herain 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 06/14/2022 to 09/26/2022 and revised on 10/25/2023, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 26th day of October, 2022.

DocuSigned by: Randy W Nance
E98E1A6123345F2...
Randy W. Nance, PLS
Professional Land Surveyor L-4185

DocuSigned by: Randy W Nance
E98E1A6123345F2...
10/26/2023

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.

SHEET RW04

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
L	425+35.00	51.29	678502.4273	1418315.7633
L	426+40.00	51.22	678565.1741	1418399.9526

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y	11+10.97	-30.00	678501.6077	1418414.6238
Y	11+10.97	30.00	678465.7872	1418366.4898
Y	12+75.48	30.00	678338.2503	1418477.1231
Y	14+53.47	-30.00	678269.3471	1418651.6025

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
L	432+15.00	50.80	678908.7872	1418860.9897
L	432+15.00	87.00	678879.7476	1418882.6005

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y	14+20.00	-30.00	678288.6577	1418625.3869	
Y	15+00.00	-61.00	678269.4576	1418706.3754	
Y	15+02.00	-52.00	678260.8566	1418703.0553	
Y	15+05.00	-62.00	678267.5206	1418711.0921	NOT SET-TREE
Y	15+07.00	-53.00	678258.9196	1418707.7721	
Y	17+10.00	29.88	678073.1638	1418825.0461	
Y	17+10.00	56.00	678052.5684	1418808.9805	
Y	17+13.00	-30.14	678118.6435	1418864.3275	
Y	17+13.00	-45.00	678130.3598	1418873.4669	
Y	17+16.00	29.84	678069.5036	1418829.8005	
Y	17+16.00	56.00	678048.8780	1418813.7114	

SHEET RW05

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	435+15.00	-65.00	679181.8791	1419030.3648	
L	435+15.00	-47.25	679167.8146	1419041.1960	
L	435+90.00	65.00	679124.9684	1419169.2391	
L	435+90.00	54.13	679133.5522	1419162.5643	
L	436+50.00	-95.00	679287.9762	1419118.0375	NOT SET-TREE
L	437+50.00	100.00	679196.8031	1419317.3242	
L	439+66.05	100.00	679333.1076	1419486.6799	
L	439+66.05	-95.00	679484.1887	1419363.3937	
L	440+50.00	-75.00	679521.8746	1419441.6770	
L	440+85.00	170.00	679352.5637	1419622.1597	
L	442+40.00	115.00	679490.6158	1419708.3222	
L	443+75.00	95.00	679588.0853	1419802.1676	
L	445+10.00	95.00	679668.5755	1419909.2129	
L	446+25.00	77.09	679750.6646	1419990.5644	
L	447+00.00	-75.00	679917.8422	1419962.1603	

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
L	434+54.00	-48.09	679131.4669	1418992.4271
L	435+20.00	52.84	679091.5742	1419106.2411
L	435+20.00	75.00	679074.0245	1419119.7650
L	436+75.00	-128.00	679329.2630	1419117.1911
L	436+90.00	-95.00	679312.5412	1419149.3043
L	445+55.00	-75.00	679831.9635	1419844.2060
L	445+55.00	-177.00	679914.0591	1419783.6725
L	445+55.00	-152.00	679893.9376	1419798.5091
L	445+68.71	86.00	679710.4529	1419950.7141
L	445+80.00	-203.00	679950.0518	1419788.7200
L	445+88.00	205.00	679625.8167	1420036.5094
L	445+92.00	-203.00	679957.2684	1419798.5604
L	445+93.00	-187.00	679944.9616	1419808.8353
L	446+05.00	-75.00	679861.7378	1419884.7626
L	446+05.00	-151.00	679923.0945	1419839.9144
L	446+13.08	79.00	679742.1434	1419982.1198
L	446+30.00	198.00	679655.8265	1420065.7269

SHEET RW06

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST	
L	450+00.00	-75.00	680090.9636	1420209.4511	
L	450+88.18	-70.00	680136.5163	1420285.7386	
L	453+63.18	-84.00	680299.7920	1420512.2391	
L	456+35.00	-210.00	680546.0557	1420704.5314	
L	456+35.00	-70.00	680419.6746	1420764.7627	
L	458+05.00	-218.00	680627.0415	1420868.7914	
L	458+15.00	-110.00	680530.7844	1420918.8971	
L	459+67.00	-162.00	680634.6952	1421050.4311	NOT SET- IN LAKE
L	460+45.32	-170.00	680667.7886	1421126.9265	NOT SET- IN LAKE
L	461+23.00	-178.00	680698.5390	1421203.3235	NOT SET- IN LAKE

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
L	449+56.00	-75.00	680065.9601	1420172.9121
L	449+60.00	-112.00	680098.7425	1420155.2892
L	449+79.00	-142.00	680134.3434	1420154.1682
L	449+81.00	-160.00	680150.3435	1420145.6770
L	449+85.00	-141.00	680136.9446	1420159.7438
L	449+87.00	-159.00	680152.9488	1420151.2605
L	450+00.00	-108.00	680118.2318	1420190.8649
L	450+83.00	-100.00	680158.5184	1420264.6883
L	450+85.00	-131.00	680185.3811	1420249.0847
L	450+85.00	-70.17	680134.8744	1420282.9890
L	450+89.00	-101.00	680162.7166	1420269.1490
L	450+91.00	-70.10	680138.1668	1420288.0282
L	451+41.00	-71.82	680167.4975	1420328.7166
L	451+64.28	-107.79	680210.4464	1420328.2713
L	451+84.78	-139.81	680248.6129	1420327.8756
L	451+90.00	-73.68	680196.3811	1420368.7846
L	452+14.87	-112.57	680242.7332	1420368.4541
L	452+35.11	-144.75	680280.9984	1420368.1813
L	452+95.00	-322.00	680464.2895	1420325.6396
L	453+27.00	-300.00	680464.1197	1420366.8755
L	453+60.00	-175.00	680376.0149	1420462.4180
L	453+60.00	-160.00	680363.1720	1420470.1679
L	453+63.18	-130.00	680339.2036	1420488.5171
L	453+66.00	-160.00	680366.4428	1420475.6012
L	453+66.00	-175.00	680379.3022	1420467.8787
L	456+35.00	-145.00	680487.3790	1420732.4958
L	456+35.00	-115.00	680460.2971	1420745.4027
L	458+11.21	-150.00	680566.4391	1420900.3374
L	458+45.00	-119.44	680551.0079	1420944.4968
L	458+45.00	-153.00	680582.3011	1420932.3687

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
TRAIL1	24+11.07	-40.27	680339.2036	1420488.5171

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. THE COORDINATES ON THIS PAGE ARE FOR POINTS SHOWN ON PLAN SHEETS RW04, RW05 & RW06.

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5/10/22

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW03E-02

Location and Surveys

ESP ASSOCIATES, INC
345 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 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 06/14/2022 to 09/26/2022 and revised on 02/21/2024, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 23rd day of February, 2024.

DocuSigned by:
Randy W Nance
E9E1A612334420...

Randy W. Nance, PLS
Professional Land Surveyor L-4185

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.

DocuSigned by:
Randy W Nance
E9E1A612334420...
2/23/2024

SHEET RW07

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	463+55.00	-183.00	680762.5575	1421433.2740	NOT SET- IN LAKE
L	463+95.32	-174.00	680763.2683	1421474.7259	NOT SET- IN LAKE
L	464+95.00	-152.00	680765.1538	1421576.7874	NOT SET- IN LAKE
L	465+71.00	-235.00	680863.6066	1421631.3039	NOT SET- IN LAKE
L	466+60.00	-225.00	680874.6664	1421720.1784	NOT SET- IN LAKE
L	467+25.00	-170.00	680836.3659	1421796.2249	NOT SET- IN LAKE
L	467+25.00	-82.00	680750.7989	1421816.7748	NOT SET- IN LAKE

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST	
L	464+44.29	-163.19	680764.1945	1421524.8632	
L	464+46.00	-172.00	680773.1584	1421524.4717	NOT SET- ROCKS
L	464+74.07	-156.62	680764.7579	1421555.3535	
L	464+76.00	-165.00	680773.3575	1421555.2769	NOT SET- ROCKS

SHEET RW08

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	476+05.00	-82.00	680956.2971	1422672.4444	NOT SET- IN LAKE
L	476+64.00	-175.00	681060.5035	1422708.0957	NOT SET- IN LAKE
L	477+45.00	-243.00	681145.5386	1422770.9768	NOT SET- IN LAKE
L	478+20.00	-243.00	681163.0526	1422843.9032	NOT SET- IN LAKE
L	478+60.00	-189.00	681119.8865	1422895.4074	NOT SET- IN LAKE
L	479+95.32	-186.00	681148.5694	1423027.6866	NOT SET- IN LAKE
L	482+05.32	-182.00	681193.1413	1423236.8742	NOT SET- IN LAKE
L	484+00.00	-158.00	681208.6495	1423438.9917	NOT SET- IN LAKE
L	485+50.00	-130.00	681205.7146	1423595.7976	NOT SET- IN LAKE
L	487+50.00	-120.00	681221.5070	1423800.4191	
L	488+10.00	155.00	680953.8340	1423887.2998	
L	488+10.00	81.93	681026.5805	1423880.4590	
L	488+55.00	-100.00	681211.8056	1423909.1429	
L	488+75.00	-65.00	681178.6061	1423932.2966	
L	489+38.25	-60.00	681178.3828	1423996.5351	

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST	
L	487+15.00	84.22	681014.6767	1423787.7721	NOT SET- ROCKS
L	487+45.00	117.00	680985.3134	1423820.5824	
L	488+10.00	110.00	680998.6364	1423883.0868	

SHEET RW09

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	490+10.00	75.00	681048.0956	1424076.5134	
L	490+30.00	120.00	681004.2811	1424098.8359	
L	490+55.00	145.00	680980.6702	1424124.9616	
L	490+88.25	-60.00	681187.1489	1424147.1787	
L	491+00.00	160.00	680968.0826	1424170.5872	
L	492+55.00	105.00	681031.2333	1424322.4490	
L	493+20.00	-60.00	681199.4512	1424378.5982	
L	493+65.00	85.00	681057.0445	1424431.2322	
L	495+33.05	105.00	681045.9937	1424600.1069	
L	495+33.05	-60.00	681210.7611	1424591.3478	
L	496+98.05	90.00	681067.9678	1424761.4333	
L	496+98.05	-65.00	681222.9270	1424757.8808	NOT SET- BOAT
L	498+84.66	-65.00	681220.7709	1424948.8874	
L	499+80.85	105.00	681045.1162	1425033.4630	
L	500+35.13	-64.11	681208.6438	1425102.4231	
L	500+63.48	90.00	681052.4219	1425114.2067	
L	502+00.00	90.00	681034.5277	1425244.9972	
L	502+70.00	-115.00	681224.2632	1425349.7027	
L	503+25.00	-110.00	681208.1688	1425404.8869	
L	503+60.00	-70.00	681161.4262	1425431.7599	

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y1	11+15.00	-30.72	681033.5567	1424500.5269
Y1	11+25.00	29.10	681039.5619	1424440.1808

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y2	15+60.85	30.29	681271.5603	1424984.8919
Y2	15+65.00	-29.94	681280.5960	1425044.5844

PERMANENT EASEMENT IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	492+95.00	97.73	681040.6192	1424362.0065	
L	493+60.33	-74.00	681215.5725	1424418.1297	
L	493+81.88	-89.00	681231.6950	1424438.8465	
L	495+10.00	-114.00	681263.4613	1424565.4637	
L	495+20.00	131.00	681019.3376	1424588.4555	
L	495+24.00	125.00	681025.5415	1424592.1314	
L	495+25.00	134.00	681016.6073	1424593.6077	
L	495+31.00	125.00	681025.9131	1424599.1215	
L	495+57.38	-60.49	681212.5369	1424615.6556	
L	495+60.06	-110.01	681262.1350	1424615.7501	
L	495+61.19	-131.00	681283.1533	1424615.7902	
L	496+70.70	-63.73	681220.8893	1424729.9874	
L	496+74.00	-131.00	681288.2298	1424731.2646	
L	496+87.00	-148.88	681306.5003	1424744.3371	
L	496+96.07	-100.59	681258.4616	1424755.0239	
L	497+08.00	-100.00	681258.1353	1424767.3970	NOT SET- BOAT
L	497+27.47	-148.00	681306.4480	1424787.0000	MAG NAIL
L	497+83.00	-97.00	681255.5636	1424845.1159	NOT SET - NO ACCESS
L	498+00.00	-85.50	681243.8651	1424862.5525	NOT SET - NO ACCESS
L	498+20.00	-85.50	681243.4914	1424883.1755	NOT SET - NO ACCESS
L	498+50.61	-125.21	681282.3114	1424916.0457	
L	498+78.43	-157.90	681313.8697	1424946.5245	
L	499+88.61	-113.92	681262.6602	1425059.1741	
L	500+21.00	-116.09	681261.8069	1425092.9823	NOT SET - NO ACCESS
L	500+33.00	-90.00	681234.6263	1425102.8333	
L	500+45.47	-66.75	681210.1910	1425113.2201	
L	500+58.27	-91.99	681233.8879	1425129.0108	
L	500+71.31	-118.24	681258.4688	1425145.3906	NOT SET - NO ACCESS
L	501+00.12	-76.60	681213.5739	1425170.0698	
L	501+54.00	90.74	681040.5575	1425200.9249	
L	502+16.00	106.00	681016.2251	1425257.6053	
L	502+21.00	102.00	681019.3660	1425263.0152	

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y1	11+20.00	-29.45	681028.5306	1424497.9015
Y1	12+21.00	27.98	680961.7112	1424403.6749

PERMANENT EASEMENT IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y2	12+54.00	-48.00	681593.4626	1424966.5306	
Y2	12+61.83	-52.22	681587.6234	1424974.3630	
Y2	12+63.97	-29.95	681575.4107	1424955.5925	NOT SET - TREE
Y2	12+73.54	-29.88	681566.1534	1424960.0563	
Y2	12+84.00	30.15	681531.5566	1424909.9077	
Y2	12+90.00	-62.00	681562.6332	1424996.8773	
Y2	12+90.00	-29.86	681550.0181	1424967.3115	
Y2	13+13.49	30.02	681506.2990	1424920.1720	
Y2	13+22.96	80.50	681482.0978	1424875.1279	
Y2	13+34.55	55.46	681479.4849	1424902.3046	
Y2	13+65.00	40.00	681455.6436	1424926.0179	
Y2	13+65.00	30.69	681458.3856	1424934.9196	NOT SET - ELEC FENCE
Y2	14+94.00	32.14	681335.3510	1424967.8291	NOT SET - ELEC FENCE

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y3	11+28.00	37.15	681016.5357	1425041.6148

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
TRAIL2	78+65.00	-18.00	681258.3683	1425229.2142
TRAIL2	79+60.00	-62.00	681299.9572	1425325.2942
TRAIL2	80+50.00	-27.00	681262.6974	1425414.3824

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. THE COORDINATES ON THIS PAGE ARE FOR POINTS SHOWN ON PLAN SHEETS RW07, RW08, & RW09.

REVISIONS

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5/10/22

REVISIONS

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW03E-03

Location and Surveys

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

PROJECT SURVEYOR:
RANDY W. NANCE

ESP
LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

SHEET RW10

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	504+91.25	99.33	680965.6560	1425517.6050	
L	504+92.81	95.25	680969.1909	1425520.1326	
L	505+07.02	99.30	680961.6227	1425532.2573	
L	505+85.00	145.00	680896.6703	1425590.7150	
L	507+61.05	100.04	680883.9661	1425764.2748	
L	507+88.15	-70.00	681032.6276	1425851.1012	
L	507+88.15	100.01	680874.5222	1425788.6083	
L	508+50.00	-70.00	681008.7596	1425909.6849	
L	508+50.00	99.69	680852.2320	1425844.1467	MAG NAIL
L	510+63.15	-70.00	680921.6464	1426106.5267	
L	511+75.00	-70.00	680875.3458	1426208.3465	
L	513+00.00	-70.00	680823.6030	1426322.1344	
L	515+89.77	70.00	680576.2109	1426527.9647	
L	517+65.00	62.50	680510.5051	1426690.5771	
L	517+65.00	70.00	680503.6778	1426687.4726	

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y4	15+30.00	39.91	680886.4989	1426227.3478
Y4	15+65.00	-29.99	680858.5619	1426299.7870

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	505+31.00	134.00	680921.9596	1425544.8133	MAG NAIL
L	505+31.00	125.00	680930.6035	1425547.3197	MAG NAIL
L	505+40.00	134.00	680919.5626	1425553.0291	MAG NAIL
L	505+40.00	125.00	680928.1983	1425555.5639	MAG NAIL
L	505+48.38	124.00	680926.8943	1425563.5131	MAG NAIL
L	507+39.00	106.36	680885.5823	1425742.1944	
L	507+81.00	101.00	680876.1212	1425781.8393	
L	508+39.00	107.00	680849.5935	1425831.4883	MAG NAIL
L	508+55.00	194.00	680763.4145	1425812.0843	
L	508+73.00	154.00	680793.5604	1425843.4840	MAG NAIL
L	509+30.00	125.00	680798.1718	1425905.7353	
L	509+30.00	155.00	680770.7180	1425893.6404	
L	509+36.00	125.00	680795.8024	1425911.1059	
L	509+36.00	155.00	680768.3612	1425898.9823	
L	513+32.00	-70.00	680810.3569	1426351.2641	
L	513+32.00	-87.00	680825.8320	1426358.3011	
L	514+90.00	-70.00	680744.9540	1426495.0920	
L	515+05.00	73.13	680608.4517	1426449.4983	
L	515+14.02	113.00	680568.4249	1426441.2076	MAG NAIL
L	515+19.00	135.00	680546.3375	1426436.6326	MAG NAIL
L	515+35.00	-70.00	680726.3266	1426536.0556	
L	515+55.00	144.00	680523.2429	1426465.6780	
L	515+67.00	114.00	680545.5847	1426489.0199	
L	515+90.00	-70.00	680703.5598	1426586.1223	NOT SET - TREE
L	517+28.00	-70.00	680646.4357	1426711.7441	

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y4	14+50.00	34.96	680950.9836	1426209.8343
Y4	14+82.00	-29.52	680949.9797	1426281.4909
Y4	14+86.00	-54.00	680954.2861	1426306.0471
Y4	15+26.00	-30.09	680902.4060	1426295.6271
Y4	15+28.00	-55.00	680904.4681	1426320.5626

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
TRAIL2	82+45.00	-44.00	681273.5833	1425611.4006	NOT SET - TREE
TRAIL2	83+50.00	-42.00	681260.9457	1425718.6651	
TRAIL2	84+90.00	23.00	681171.7964	1425845.5621	
TRAIL2	85+20.00	-33.00	681216.4197	1425891.2519	
TRAIL2	85+95.00	-33.00	681170.7828	1425965.1614	
TRAIL2	86+00.00	20.00	681128.5901	1425932.6809	
TRAIL2	87+50.00	29.00	680998.6467	1425999.9384	
TRAIL2	87+80.00	-25.00	681009.5064	1426060.7647	
TRAIL2	88+55.00	-27.00	680971.1562	1426114.5483	
TRAIL2	89+40.00	-10.00	680932.6641	1426184.0640	
TRAIL2	91+35.00	25.00	680909.0332	1426375.5631	
TRAIL2	91+45.00	-35.00	680968.1807	1426389.8523	
TRAIL2	92+05.00	-38.00	680956.6317	1426457.7302	
TRAIL2	92+40.00	33.00	680877.6176	1426462.2042	
TRAIL2	92+65.00	-40.00	680927.7688	1426520.8761	
TRAIL2	93+15.00	-35.00	680887.6006	1426562.4192	
TRAIL2	93+75.00	28.00	680801.2671	1426550.5317	
TRAIL2	93+90.00	-34.00	680818.2619	1426612.0301	
TRAIL2	94+05.00	32.00	680776.0881	1426559.1147	
TRAIL2	94+14.00	-29.00	680791.5632	1426618.7826	
TRAIL2	95+15.00	-21.00	680699.6493	1426642.3841	
TRAIL2	95+85.00	-26.00	680671.9794	1426694.2235	

SHEET RW11

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
L	519+00.00	70.00	680447.7956	1426810.3635
L	519+00.00	62.50	680454.6229	1426813.4680
L	526+00.00	-70.00	680285.4781	1427505.5284
L	527+00.00	70.00	680116.6414	1427538.6068
L	527+00.00	-70.00	680244.0838	1427596.5588
L	529+35.00	70.00	680019.3650	1427752.5281
L	529+55.00	105.00	679979.2255	1427756.2462
L	530+23.56	120.00	679937.1911	1427812.4474
L	530+23.56	-70.00	680110.1487	1427891.0965
L	531+45.00	80.00	679923.3638	1427940.2132

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y5	14+30.00	31.57	680304.7071	1427536.0741
Y5	14+30.00	-28.43	680279.7604	1427590.6422

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
L	519+80.00	118.00	680370.9853	1426863.3194
L	520+00.00	197.00	680290.7925	1426848.8240
L	520+20.00	118.00	680354.4276	1426899.7315
L	520+38.00	187.00	680284.1657	1426887.5549
L	522+00.00	-85.00	680464.7095	1427147.6163
L	522+00.00	-70.00	680451.0550	1427141.4072
L	522+50.00	82.00	680291.9918	1427124.0031
L	524+97.00	-90.00	680346.3202	1427420.0461
L	525+20.00	-88.00	680334.9789	1427440.1552
L	525+67.00	-70.00	680299.1382	1427475.4884
L	525+67.00	-100.00	680326.4473	1427487.9067
L	527+66.00	124.00	680040.1648	1427576.3340
L	527+85.00	-70.00	680208.8987	1427673.9345
L	528+50.00	82.00	680043.6264	1427670.1850
L	530+80.00	155.00	679881.8928	1427849.5741
L	530+80.00	142.00	679893.7353	1427854.9365
L	530+86.00	155.00	679879.3960	1427855.0907
L	530+86.00	142.00	679891.2405	1427860.4489

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y5	13+05.00	-21.41	680396.4812	1427636.2856
Y5	13+17.00	25.92	680405.1265	1427588.1980
Y5	13+31.00	73.00	680411.9686	1427539.5598
Y5	13+55.00	-24.87	680349.4501	1427618.5887
Y5	13+66.00	110.00	680395.5211	1427491.3573
Y5	13+95.00	-27.63	680311.9237	1427604.4682

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
TRAIL2	101+90.00	-66.00	680457.9565	1427261.5146	
TRAIL2	106+80.00	29.00	680331.1097	1427656.7853	
TRAIL2	107+00.00	-20.00	680374.6702	1427687.0399	
TRAIL2	107+34.00	-36.00	680387.1035	1427722.2438	
TRAIL2	107+40.00	28.00	680322.8933	1427719.1481	
TRAIL2	107+46.00	-10.00	680359.3292	1427731.3517	
TRAIL2	107+75.00	-62.00	680400.6127	1427777.7676	
TRAIL2	108+20.00	-91.00	680399.8300	1427846.2065	
TRAIL2	108+25.00	37.00	680289.0782	1427781.8041	
TRAIL2	108+45.00	-102.00	680387.2074	1427882.7174	
TRAIL2	109+00.00	-66.00	680305.9291	1427909.6757	
TRAIL2	109+50.00	36.00	680211.1725	1427845.3522	
TRAIL2	110+30.00	-20.00	680156.8343	1427918.6436	NOT SET - NO ACCESS
TRAIL2	110+85.00	-18.00	680123.8800	1427947.8480	NOT SET - NO ACCESS

I, Randy W. Nance, 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 06/14/2022 to 09/26/2022, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 16th day of May, 2024.

DocuSigned by:
Randy W Nance
E96E1A61233442D...

DocuSigned by:
Randy W Nance
E96E1A61233442D...

5/16/2024

Randy W. Nance, PLS
Professional Land Surveyor L-4185

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.

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. THE COORDINATES ON THIS PAGE ARE FOR POINTS SHOWN ON PLAN SHEETS RW10 & RW11.

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5/10/22

REVISIONS

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW03E-04

Location and Surveys

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

PROJECT SURVEYOR:
RANDY W. NANCE

LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SHEET RW12

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	532+23.56	80.00	679891.3840	1428013.0734	
L	532+23.56	-70.00	680029.1439	1428072.4216	NOT SET - NO ACCESS
L	534+05.00	-70.00	679961.3577	1428237.9711	
L	534+05.00	80.00	679821.5353	1428183.6599	
L	535+40.00	80.00	679773.6193	1428312.0669	
L	535+50.00	-70.00	679911.4550	1428372.0791	
L	536+89.94	90.00	679714.2583	1428451.1301	
L	536+89.94	-70.00	679865.4425	1428503.5073	
L	540+89.99	90.00	679583.2967	1428829.1445	
L	543+55.00	-70.00	679647.7288	1429131.9268	
L	544+00.00	98.35	679473.9228	1429119.3354	
L	544+95.00	-70.00	679601.8988	1429264.2129	MAG NAIL
L	545+52.20	-70.00	679583.1744	1429318.2601	

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y6	14+75.00	28.72	679983.0681	1428280.0539
Y6	15+00.00	-31.60	679957.0495	1428339.8543

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y7	11+04.53	-31.69	679763.1722	1428260.9605
Y7	11+40.00	31.64	679787.0130	1428192.4057

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y8	11+30.00	30.19	679889.8668	1429248.9833
Y8	11+94.50	-29.54	679810.5669	1429286.8890
Y8	13+10.14	-30.00	679700.7521	1429250.6512
Y8	13+37.10	30.00	679694.2129	1429185.1993
Y8	13+75.00	30.00	679658.2695	1429173.1806

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y9	11+47.32	-25.00	679934.8977	1429116.4674
Y9	12+67.84	-25.00	679874.7159	1429201.1313

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
L	533+92.00	112.00	679796.5351	1428159.6904
L	535+12.58	97.00	679767.0895	1428280.1239
L	535+53.00	101.00	679749.4095	1428317.3864
L	535+57.00	113.00	679736.7438	1428317.1769
L	535+59.00	101.00	679747.3674	1428323.1144
L	535+63.00	112.00	679735.6445	1428323.2475
L	536+22.00	-104.00	679919.7789	1428450.6886
L	536+22.00	-70.00	679887.6781	1428439.4844
L	540+85.00	124.00	679552.8046	1428813.2963
L	540+86.00	111.00	679564.7609	1428818.4969
L	540+90.00	-111.00	679773.2195	1428894.9498
L	540+91.00	124.00	679550.8404	1428818.9657
L	540+92.00	111.00	679562.7968	1428824.1663
L	541+25.00	-136.00	679785.3845	1428936.2053

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y6	14+10.00	-24.81	680057.9758	1428315.1014
Y6	14+25.00	28.06	680023.8179	1428272.1689
Y6	14+27.00	-64.00	680053.1276	1428359.4652
Y6	14+33.00	-124.00	680063.4185	1428419.2965
Y6	14+47.00	-133.00	680042.0650	1428434.4240
Y6	14+50.00	-53.00	680020.4183	1428357.2718
Y6	14+77.00	-47.00	679985.0368	1428355.7724
Y6	15+02.00	-45.00	679953.3622	1428352.9664
Y6	15+12.02	-45.00	679940.7962	1428351.3416

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y7	12+35.00	30.36	679726.8604	1428121.1323
Y7	12+90.00	-29.54	679646.0130	1428113.1271
Y7	12+90.00	-44.00	679634.3268	1428121.6506
Y7	13+28.00	-46.00	679609.6298	1428090.0242
Y7	13+28.00	-29.19	679623.6485	1428080.7559

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y8	11+52.69	-89.62	679833.7272	1429357.3318
Y8	11+60.63	-29.93	679843.3296	1429297.8420
Y8	11+95.00	189.99	679879.7180	1429078.5311

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y9	9+92.00	40.00	680059.5397	1429007.3610	NOT SET - NO ACCESS
Y9	9+96.00	45.00	680054.9003	1429002.9478	NOT SET - NO ACCESS
Y9	10+05.00	30.76	680047.9080	1429018.2701	
Y9	10+08.00	36.00	680044.1208	1429013.5043	
Y9	10+51.00	30.34	679999.5175	1429027.9541	
Y9	10+71.00	109.00	679955.8329	1428958.4772	
Y9	10+75.00	113.00	679949.7665	1428956.1729	
Y9	10+79.00	99.00	679949.2353	1428971.0496	
Y9	10+82.00	103.00	679944.2836	1428968.4772	MAG NAIL
Y9	10+88.26	111.90	679932.2449	1428963.3027	
Y9	10+89.00	67.00	679946.9746	1429005.7311	NOT SET - BOULDER
Y9	11+26.00	32.63	679920.4283	1429056.6843	

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y8DET	10+49.00	-30.00	680160.6375	1429383.7127

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
TRAIL2	113+85.00	-20.00	680012.0783	1428217.6962
TRAIL2	115+56.00	-28.00	680014.4818	1428396.4467
TRAIL2	116+42.00	-29.00	679946.8197	1428454.6057
TRAIL2	117+35.00	-25.00	679906.4026	1428527.2820
TRAIL2	117+85.00	-96.00	679951.4964	1428601.4949
TRAIL2	118+75.00	-76.00	679874.1794	1428683.6039
TRAIL2	120+55.00	-50.00	679800.3551	1428817.2352
TRAIL2	122+10.00	-37.00	679793.4794	1428957.0825
TRAIL2	122+60.00	-46.00	679788.5957	1429027.4696
TRAIL2	123+35.00	-50.00	679755.9659	1429089.1957
TRAIL2	124+11.37	-54.00	679734.5892	1429161.9823
TRAIL2	125+35.00	-63.00	679688.5971	1429296.6213

I, Randy W. Nance, 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 06/14/2022 to 09/26/2022, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 27th day of October, 2022.

DocuSigned by:
Randy W Nance

DocuSigned by:
Randy W Nance
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Randy W. Nance, PLS
Professional Land Surveyor L-4185

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE 10/27/2022

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.

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. THE COORDINATES ON THIS PAGE ARE FOR POINTS SHOWN ON PLAN SHEETS RW12.

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RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW03E-05

Location and Surveys

ESP ASSOCIATES, INC
345 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 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 04/01/2023 to 04/13/2023, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 18th day of April, 2023.

DocuSigned by: Randy W Nance
E36E1A812334420...

DocuSigned by: Randy W Nance
E36E1A812334420...

Randy W. Nance, PLS
Professional Land Surveyor L-4185

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.

9/18/2023

SHEET RW13

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	546+00.00	-70.00	679567.5263	1429363.4275	
L	547+75.00	-125.00	679562.2083	1429546.7897	
L	547+95.00	99.64	679343.3945	1429492.1487	
L	548+40.00	-120.00	679536.2056	1429606.5715	
L	548+50.00	125.00	679301.4314	1429535.8180	
L	548+70.00	-65.00	679474.4153	1429616.9139	
L	549+25.00	100.07	679300.4359	1429614.8465	
L	550+28.20	100.41	679266.3330	1429712.2506	
L	550+30.85	-65.00	679421.7604	1429768.8998	
L	551+16.50	102.88	679236.0635	1429804.4150	
L	551+55.15	63.13	679265.2941	1429854.1842	
L	553+24.29	70.00	679236.1011	1430032.1217	
L	554+60.00	70.00	679240.1330	1430177.1641	
L	555+80.00	65.00	679264.9096	1430302.8660	
L	557+24.15	-65.00	679430.1109	1430404.1746	
L	557+24.15	65.00	679308.4349	1430449.9451	MAG NAIL

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y10	10+90.00	-34.32	679227.4456	1430270.0764
Y10	11+15.00	25.87	679205.2931	1430208.7836

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	546+00.00	-92.00	679588.3141	1429370.6293	
L	550+13.00	-65.00	679427.6032	1429752.0347	
L	550+13.00	-96.00	679456.8952	1429762.1827	
L	550+44.00	-96.00	679447.2344	1429790.3070	
L	550+44.00	-65.00	679417.8115	1429780.5450	
L	550+93.00	140.00	679206.9564	1429769.4177	
L	550+93.00	126.00	679220.4441	1429773.1702	
L	551+00.00	140.00	679204.8444	1429777.1131	
L	551+00.00	125.00	679219.3233	1429781.0324	MAG NAIL
L	551+43.14	75.00	679256.4387	1429839.1067	
L	552+50.00	85.00	679227.3289	1429951.1750	
L	552+92.00	100.00	679208.1205	1429995.4589	
L	553+85.00	80.00	679225.4726	1430097.2750	
L	554+48.95	-65.00	679373.5858	1430153.9782	
L	554+53.00	100.00	679209.5616	1430172.3618	
L	554+54.00	-70.19	679379.1627	1430158.2214	NOT SET - FLOODED
L	554+54.00	-110.00	679418.8163	1430154.6570	
L	554+88.00	-103.06	679415.1471	1430185.5999	
L	554+88.00	-65.00	679377.3806	1430190.2935	
L	554+88.00	-110.00	679422.0371	1430184.7436	
L	555+51.64	-156.24	679476.2359	1430232.0791	NOT SET - DEBRIS PILE
L	556+10.89	-65.00	679398.5128	1430303.1594	
L	556+35.29	65.00	679279.0915	1430360.0037	
L	556+64.00	-65.00	679411.9051	1430350.9740	NOT SET - BUILDING
L	556+64.00	-76.00	679422.4149	1430347.7270	NOT SET - BUILDING
L	556+77.00	65.00	679291.8704	1430402.5488	MAG NAIL
L	556+79.00	-90.00	679439.9180	1430356.6056	NOT SET - BUILDING
L	556+79.00	-76.00	679426.6053	1430360.9383	NOT SET - BUILDING
L	556+86.00	-76.00	679428.6285	1430367.0817	NOT SET - BUILDING
L	556+86.00	-90.00	679441.9106	1430362.6559	NOT SET - BUILDING
L	556+93.00	105.00	679259.3818	1430431.6307	
L	557+06.21	139.85	679231.3559	1430457.0985	
L	559+77.00	-78.00	679531.3031	1430636.2598	
L	559+84.00	-88.00	679543.1273	1430639.2907	
L	559+85.00	165.00	679306.6791	1430729.3032	
L	559+86.00	-78.00	679534.4718	1430644.6835	
L	559+90.00	-84.00	679541.4959	1430646.3149	

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y10	11+26.00	56.00	679195.7169	1430178.1713

SHEET RW14

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	567+40.00	65.00	679666.0972	1431400.7521	
L	568+60.00	60.00	679713.0267	1431511.3081	
L	570+00.00	60.00	679762.3177	1431642.3429	
L	570+40.00	115.00	679724.9230	1431699.1470	
L	570+50.00	-65.00	679896.9183	1431645.1322	
L	571+05.00	115.00	679747.8082	1431759.9850	
L	572+90.00	60.00	679864.4215	1431913.7750	
L	573+05.00	-70.00	679991.3791	1431882.0449	
L	573+05.00	-65.00	679986.6990	1431883.8044	
L	573+15.00	-70.00	679994.8996	1431891.4037	
L	573+45.00	60.00	679883.7860	1431965.2533	
L	573+80.00	-70.00	680017.7845	1431952.2408	MAG NAIL
L	573+80.00	-68.50	680016.3806	1431952.7689	MAG NAIL
L	573+95.00	-68.50	680021.6621	1431966.8094	MAG NAIL

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y11	11+00.00	-25.61	679663.0813	1431491.1508
Y11	11+05.00	24.46	679640.1725	1431446.3424

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	560+10.00	210.00	679273.3625	1430768.5461	
L	560+45.00	65.00	679421.4009	1430750.2533	
L	560+60.00	233.00	679269.4393	1430823.4424	
L	560+95.00	235.00	679279.8901	1430856.9055	
L	561+28.00	222.00	679303.6764	1430883.2155	
L	562+05.00	65.00	679477.7339	1430900.0084	
L	566+50.00	103.00	679598.8431	1431329.8939	
L	566+50.00	65.00	679634.4099	1431316.5149	
L	566+57.00	-78.00	679770.7181	1431272.7191	
L	566+57.00	-89.00	679781.0138	1431268.8462	
L	567+07.00	-78.00	679788.3222	1431319.5175	MAG NAIL
L	567+07.00	-89.00	679798.6178	1431315.6447	MAG NAIL
L	569+52.00	-89.00	679884.8777	1431544.9572	
L	569+55.00	-78.00	679875.6382	1431551.6380	
L	569+58.00	-91.00	679888.8621	1431549.8688	
L	569+61.00	-78.00	679877.7507	1431557.2538	
L	569+82.00	60.00	679755.9806	1431625.4963	
L	569+90.00	92.00	679728.8462	1431644.2507	
L	570+23.27	92.00	679740.5608	1431675.3926	

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y11	10+89.52	37.00	679650.0191	1431429.0265

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. THE COORDINATES ON THIS PAGE ARE FOR POINTS SHOWN ON PLAN SHEETS RW13 & RW14.

REVISIONS

5/10/22

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5/10/22

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW03E-06

Location and Surveys

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

PROJECT SURVEYOR:
RANDY W. NANCE

ESP
LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Randy W. Nance, 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 04/01/2023 to 04/13/2023, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 18th day of April, 2023.

DocuSigned by: Randy W Nance
E96E1A6123344F2...

DocuSigned by: Randy W Nance
E96E1A6123344F2...

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.

Randy W. Nance, PLS
Professional Land Surveyor L-4185

4/18/2023

SHEET RW15

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	576+00.00	-68.50	680093.8387	1432158.6831	MAG NAIL
L	579+40.00	60.00	680093.2742	1432522.1552	
L	580+45.00	-68.50	680250.5147	1432575.1896	
L	581+00.00	60.00	680149.6068	1432671.9094	
L	582+25.00	-60.00	680305.9336	1432746.6568	
L	583+84.09	60.00	680249.6295	1432937.8091	
L	583+84.09	-60.00	680361.9458	1432895.5594	
L	586+50.00	60.00	680322.2925	1433184.2353	
L	586+50.00	-60.00	680439.5631	1433158.7874	NOT SET - BOAT

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y12	13+85.00	-35.00	680430.6378	1432699.4528
Y12	13+85.00	-30.04	680431.5540	1432694.5738
Y12	14+86.00	-56.00	680327.4971	1432701.4523
Y12	15+35.00	29.79	680295.1718	1432608.0915

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y13	11+15.00	-28.73	680077.1127	1432637.9568	
Y13	11+45.00	31.44	680053.0403	1432575.1743	NOT SET - DEBRIS PILE

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y12	14+00.00	29.95	680427.8815	1432632.8531
Y12	14+00.00	40.00	680429.7368	1432622.9728
Y12	14+20.00	71.00	680415.8015	1432588.8143
Y12	14+44.00	33.00	680385.2008	1432621.7323
Y12	14+44.00	29.90	680384.6280	1432624.7827
Y12	14+50.00	64.00	680385.0249	1432590.1575
Y12	14+75.00	43.00	680356.5788	1432606.1830
Y12	14+75.00	34.00	680354.9178	1432615.0284

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y13	11+46.00	-74.00	680041.9019	1432680.0336	
Y13	11+47.00	-88.00	680039.5599	1432693.8725	
Y13	11+53.00	-73.00	680035.0306	1432678.3649	
Y13	11+54.00	-88.00	680032.5923	1432693.1992	
Y13	11+70.00	70.00	680031.8650	1432534.3928	NOT SET - DEBRIS PILE
Y13	11+70.00	31.59	680028.1703	1432572.6246	MAG NAIL
Y13	13+23.00	67.00	679879.2860	1432522.6613	NOT SET - DEBRIS PILE
Y13	13+23.00	32.48	679875.9655	1432557.0202	NOT SET - POOL
Y13	13+56.00	32.67	679843.1731	1432553.6582	
Y13	13+56.00	67.00	679846.5131	1432519.4929	
Y13	13+60.00	-27.31	679833.3016	1432612.9606	
Y13	13+60.00	-46.00	679831.4463	1432631.5545	

SHEET RW15

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	574+84.00	60.00	679932.7253	1432095.3531	
L	574+84.00	80.00	679914.0059	1432102.3947	NOT SET - CAR
L	575+17.00	75.00	679930.3044	1432131.5213	
L	575+17.00	80.00	679925.6245	1432133.2817	
L	575+20.00	-76.00	680072.6920	1432081.1650	MAG NAIL
L	575+50.00	-68.50	680076.2347	1432111.8846	MAG NAIL
L	575+50.00	-90.00	680096.3577	1432104.3140	MAG NAIL
L	575+50.00	-76.00	680083.2541	1432109.2432	MAG NAIL
L	575+53.00	62.00	679955.1469	1432160.6391	MAG NAIL
L	575+85.00	-68.50	680088.5575	1432144.6436	MAG NAIL
L	575+85.00	-76.00	680095.5770	1432142.0021	MAG NAIL
L	575+85.00	-90.00	680108.6805	1432137.0730	MAG NAIL
L	576+30.00	72.00	679972.8974	1432236.2296	
L	577+52.00	72.00	680015.8513	1432350.4179	MAG NAIL
L	577+52.00	80.00	680008.3636	1432353.2345	MAG NAIL
L	577+75.00	89.00	680008.0377	1432377.9305	MAG NAIL
L	577+88.00	60.00	680039.7579	1432379.8878	MAG NAIL
L	578+83.00	60.00	680073.2055	1432468.8049	MAG NAIL
L	578+83.00	72.00	680061.9739	1432473.0299	MAG NAIL
L	578+98.00	-76.00	680205.7786	1432434.9614	
L	578+98.00	-89.00	680217.9462	1432430.3844	
L	579+04.00	-89.00	680220.0587	1432436.0002	
L	579+04.00	-76.00	680207.8911	1432440.5773	
L	579+15.00	60.00	680084.4721	1432498.7559	
L	579+15.00	72.00	680073.2405	1432502.9809	
L	579+50.70	77.00	680081.1307	1432538.1575	MAG NAIL
L	579+73.00	-76.00	680232.1847	1432505.1592	
L	579+85.00	-85.00	680244.8334	1432513.2221	
L	579+96.00	-68.50	680233.2628	1432529.3271	
L	581+28.00	78.00	680142.6179	1432704.4549	
L	581+38.00	80.00	680144.2668	1432714.5188	
L	581+43.00	95.00	680131.9877	1432724.4798	
L	581+48.00	91.00	680137.4919	1432727.7514	
L	583+94.00	89.00	680225.7811	1432956.8511	
L	583+98.00	77.00	680238.3608	1432956.2816	
L	584+01.00	90.00	680227.1400	1432963.4429	
L	584+05.00	76.00	680241.6010	1432962.2371	
L	584+10.00	-60.00	680371.1907	1432920.6769	
L	584+19.00	-94.00	680406.3647	1432918.0736	NOT SET - RV
L	584+48.00	-60.00	680384.0999	1432957.7454	NOT SET - BOAT
L	584+54.00	-90.00	680414.5313	1432954.1463	
L	586+97.00	75.00	680316.6203	1433231.5730	
L	586+97.00	89.00	680302.8667	1433234.1877	
L	587+04.00	75.00	680317.8611	1433238.1689	
L	587+04.00	89.00	680304.0975	1433240.7306	
L	587+05.00	-72.35	680462.9089	1433212.2296	
L	587+08.00	-125.00	680515.2620	1433205.7760	
L	587+11.00	-73.81	680465.4748	1433218.1034	
L	587+13.00	-125.00	680516.2209	1433211.0326	

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. THE COORDINATES ON THIS PAGE ARE FOR POINTS SHOWN ON PLAN SHEETS RW15.

REVISIONS

17-APR-2023 16:04
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5/10/22

REVISIONS

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW03E-07

Location and Surveys

ESP ASSOCIATES, INC
345 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 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 06/14/2022 to 09/26/2022, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 16th day of May, 2024.

DocuSigned by: Randy W Nance E96E1A612334442D...

DocuSigned by: Randy W Nance E96E1A612334442D... 5/16/2024

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.

Randy W. Nance, PLS
Professional Land Surveyor L-4185

SHEET RW16

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	588+80.76	-125.00	680539.9840	1433388.6669	
L	589+30.00	-115.00	680533.8594	1433441.7455	
L	589+60.00	-72.61	680493.1520	1433475.4358	
L	590+45.00	-72.01	680494.3255	1433563.7991	
L	591+00.00	60.00	680361.3318	1433616.5333	
L	591+00.93	-70.00	680491.2259	1433621.8627	
L	593+40.00	60.00	680338.2942	1433847.3061	
L	594+00.00	-70.00	680455.2477	1433929.9901	
L	595+00.00	60.00	680306.1431	1433998.6032	
L	595+60.00	-75.00	680420.1816	1434092.6493	MAG NAIL
L	596+20.08	60.00	680273.3524	1434109.9758	
L	597+00.00	-75.00	680373.6791	1434230.7641	
L	598+29.72	-80.00	680325.7696	1434357.3041	
L	598+29.72	70.65	680189.1140	1434293.8838	
L	599+00.00	75.00	680155.5870	1434355.8045	
L	601+10.00	-80.00	680207.7810	1434611.5410	
L	601+10.00	75.00	680067.1840	1434546.2915	
L	602+00.00	75.00	680029.2977	1434627.9275	
L	602+00.00	125.00	679983.9434	1434606.8803	

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y14	11+00.00	-30.82	680277.1121	1433941.6519
Y14	11+00.00	29.18	680293.7059	1433883.9924

PERMANENT EASEMENT IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	589+75.00	-118.00	680539.1282	1433489.4284	
L	590+00.00	-72.70	680494.5889	1433517.0070	
L	590+00.00	-119.00	680540.8799	1433516.0171	
L	590+10.00	97.00	680325.1056	1433530.1004	
L	590+12.00	112.00	680310.1363	1433532.2154	
L	590+16.00	97.00	680325.1865	1433535.7801	
L	590+19.00	111.00	680311.2208	1433538.7731	
L	591+62.00	-70.00	680488.0024	1433685.1950	
L	591+62.00	-100.00	680517.9339	1433687.2223	
L	591+90.00	88.00	680328.3585	1433701.0879	
L	592+17.00	-130.00	680542.9953	1433747.9744	
L	592+31.00	-128.00	680539.4836	1433762.6862	
L	592+31.00	-70.00	680481.8063	1433756.5761	
L	594+70.00	-109.00	680477.4642	1434010.1158	MAG NAIL
L	594+70.00	-70.39	680439.9276	1434001.0548	MAG NAIL
L	595+00.00	-109.00	680469.7486	1434040.9618	MAG NAIL
L	595+00.00	-71.41	680433.3558	1434031.5392	
L	595+05.00	90.00	680275.9032	1433995.6833	
L	595+10.00	60.00	680303.6936	1434007.9581	
L	599+95.00	75.00	680115.5950	1434441.9777	
L	599+95.00	124.00	680071.1482	1434421.3504	
L	600+17.00	124.00	680061.8870	1434441.3061	
L	600+17.00	119.00	680066.4224	1434443.4109	
L	600+18.00	-80.00	680246.5097	1434528.0899	
L	600+18.00	-110.00	680273.7220	1434540.7189	
L	600+60.00	-110.00	680256.0415	1434578.8161	
L	600+60.00	-80.00	680228.8292	1434566.1872	
L	602+00.00	116.00	679992.1071	1434610.6689	

PERMANENT EASEMENT IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y14	10+87.68	-44.00	680285.3041	1433957.7224

SHEET RW17

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
L	602+00.00	75.00	680029.2977	1434627.9275
L	602+00.00	125.00	679983.9434	1434606.8803
L	602+82.00	197.00	679884.1147	1434650.9511
L	602+83.00	205.62	679875.8769	1434648.2305
L	602+90.00	212.00	679867.1409	1434651.8933
L	603+25.00	213.00	679851.5000	1434683.2200
L	603+30.00	85.00	679965.5011	1434741.6389
L	603+70.00	75.00	679957.7333	1434782.1316
L	605+00.00	-80.00	680043.6052	1434965.3003
L	605+00.00	75.00	679903.0083	1434900.0508
L	605+75.00	-85.00	680016.5679	1435035.4367
L	610+25.00	-85.00	679827.1339	1435443.6214
L	610+50.00	-80.00	679812.0744	1435464.1935
L	612+15.00	75.00	679602.0187	1435548.6109
L	612+79.72	85.00	679565.7033	1435603.1068
L	612+79.72	-80.00	679715.3710	1435672.5659
L	613+00.00	-80.00	679706.5836	1435691.3579
L	613+30.20	-80.00	679693.2973	1435719.2448
L	613+34.04	-115.91	679723.9212	1435738.4015
L	614+28.27	-80.00	679648.5010	1435808.9958
L	614+30.06	-101.52	679666.7744	1435820.5126
L	614+50.00	-80.00	679638.2370	1435828.7084

PERMANENT EASEMENT IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	602+00.00	116.00	679992.1071	1434610.6689	
L	602+58.00	278.00	679820.7446	1434595.0832	
L	602+59.00	254.00	679842.0935	1434606.0934	
L	602+80.00	255.00	679832.3462	1434624.7210	
L	603+40.00	283.00	679781.6902	1434667.3587	NOT SET - CAR
L	603+44.00	119.00	679928.7670	1434740.0251	
L	605+18.00	115.00	679859.1474	1434899.5404	
L	605+22.00	129.00	679844.7645	1434897.2752	
L	605+24.00	114.00	679857.5287	1434905.4038	
L	605+28.00	127.00	679844.0529	1434903.5596	MAG NAIL
L	605+59.00	-125.00	680059.5864	1435037.7621	
L	605+70.00	-84.67	680018.3704	1435030.7610	
L	605+91.00	-133.00	680053.3722	1435070.1562	
L	606+04.00	-85.00	680004.3599	1435061.7420	
L	606+32.00	95.00	679829.2990	1435011.3665	
L	612+13.00	94.00	679585.6257	1435538.7993	
L	612+34.00	-80.00	679734.6169	1435631.0957	MAG NAIL
L	612+36.00	-113.00	679763.7085	1435646.8017	MAG NAIL
L	612+40.00	-80.00	679732.0911	1435636.5382	MAG NAIL
L	612+42.00	-113.00	679761.1827	1435652.2442	MAG NAIL
L	613+00.00	115.00	679530.1822	1435608.2462	
L	613+13.00	-99.40	679718.4135	1435711.7103	MAG NAIL
L	613+36.00	-123.00	679729.4264	1435743.3137	MAG NAIL
L	613+43.00	85.00	679539.2061	1435658.8759	
L	613+43.00	106.00	679520.3204	1435649.6927	
L	613+54.00	-121.00	679719.4730	1435759.1854	
L	613+63.00	-112.06	679707.3486	1435763.5865	

PERMANENT EASEMENT IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y15	12+41.00	9.00	679811.8306	1435862.6511	MAG NAIL
Y15	12+41.00	31.00	679827.3326	1435847.0406	
Y15	12+51.00	53.00	679835.3259	1435824.0478	
Y15	12+51.00	40.00	679826.2583	1435833.3633	
Y15	12+56.00	51.00	679830.1561	1435821.8250	
Y15	13+76.00	48.00	679728.9348	1435742.5872	
Y15	13+82.00	18.00	679707.0716	1435764.0841	

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. THE COORDINATES ON THIS PAGE ARE FOR POINTS SHOWN ON PLAN SHEETS RW16 & RW17.

IE MAY 2024 14:20
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RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW03E-8

Location and Surveys

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3828 LAND SURVEYOR JAMES I. JEFFREYS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I , James I. Jeffreys, PE 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.

I further certify that the following work item(s) (R/W Staking) were performed by Taylor Wiseman & Taylor, signed and sealed previously by James M. Pearsall, PLS on 1/22/2019, 11/12/2019, and 1/31/2020. I do not certify to the accuracy or quality of those work items.

This day 05/10/2022.

DocuSigned by:
A43045A2D7AE4CA...

James I. Jeffreys, PE PLS
Professional Land Surveyor L-3828

SHEET RW-18

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	616+16.21	-80.00	679555.7075	1435977.3292	
L	617+55.00	85.00	679342.5681	1436009.2277	
L	619+50.00	-85.00	679379.5674	1436265.0257	
L	620+69.03	-85.00	679314.9033	1436364.9596	
L	620+83.66	94.91	679155.7017	1436279.8867	
L	621+00.00	-96.00	679307.9416	1436396.2342	
L	622+25.00	-96.00	679245.0763	1436499.9062	
L	622+44.50	90.00	679074.1736	1436423.9621	
L	622+50.00	-85.00	679223.4342	1436515.4856	
L	623+50.00	-75.00	679167.7451	1436596.1341	
L	625+90.38	90.00	678914.6499	1436741.5904	
L	625+90.38	-75.00	679065.8833	1436807.5711	
L	626+15.00	-75.00	679056.0392	1436830.1345	NOT SET
L	627+50.00	-85.00	679011.2207	1436957.8698	
L	629+70.27	90.00	678762.7396	1437089.7818	
L	629+80.00	-85.00	678919.2476	1437168.6800	

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y16	23+60.00	-45.00	679529.8490	1436271.1475
Y16	24+40.00	-60.00	679450.6689	1436246.8642

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y17	11+25.00	75.00	679276.2789	1436033.9740
Y17	12+40.00	55.00	679159.5488	1435994.0540
Y17	12+44.09	-62.34	679106.0922	1436098.5931

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y18	12+00.00	-40.32	679056.9304	1436943.2763
Y18	12+20.00	29.71	679065.8236	1436870.9938

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
L	616+34.00	-109.00	679571.3973	1436007.8004
L	616+49.00	-119.00	679572.0504	1436026.2250
L	616+97.54	-111.00	679539.1437	1436064.8845
L	619+62.00	-124.00	679405.7914	1436296.2875
L	619+66.00	-85.00	679370.8753	1436278.4588
L	623+05.00	-79.88	679192.8491	1436559.7787
L	623+12.00	-135.00	679237.9906	1436592.1155
L	623+28.00	-136.00	679231.5796	1436606.0681
L	623+35.00	127.00	678996.5064	1436487.9226
L	623+35.00	114.62	679007.4184	1436493.7597
L	623+40.00	127.00	678994.0580	1436492.5083
L	623+40.00	115.00	679004.6480	1436498.1520
L	623+60.00	-75.00	679163.1923	1436604.7745
L	623+60.00	-118.00	679201.2657	1436624.7600
L	625+50.00	126.00	678898.6799	1436688.8308
L	625+50.00	118.00	678905.9715	1436692.1221
L	625+55.00	126.00	678896.5455	1436693.5691
L	625+55.00	118.00	678903.8422	1436696.8491
L	629+13.00	107.00	678770.0590	1437030.4926
L	629+13.00	94.00	678781.9744	1437035.6910
L	629+53.00	94.00	678765.9791	1437072.3537
L	629+53.00	106.00	678754.9803	1437067.5551
L	629+96.00	105.00	678738.7019	1437107.3673
L	629+96.00	111.00	678733.2025	1437104.9680

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y16	23+93.00	100.00	679566.5980	1436127.1261
Y16	23+99.00	92.90	679558.1794	1436130.7633
Y16	24+12.00	115.00	679557.3106	1436105.3687
Y16	24+18.00	107.51	679548.7164	1436109.3047

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y17	11+44.00	-104.60	679168.4766	1436178.8377
Y17	11+45.00	91.00	679265.9404	1436009.2410
Y17	11+46.00	101.00	679270.0187	1436000.0459

SHEET RW-31

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y16	13+40.37	36.08	680522.2162	1436537.1532
Y16	15+15.43	40.00	680355.3485	1436477.2381
Y16	18+61.75	40.00	680023.8282	1436377.0660
Y16	19+74.06	40.13	679918.4993	1436342.8612
Y16	20+71.90	52.75	679832.3698	1436298.0634
Y16	22+45.00	-41.04	679636.8464	1436317.9137
Y16	22+50.00	52.75	679671.1405	1436230.4729
Y16	22+93.58	60.75	679635.7751	1436205.2028

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y16	16+85.00	40.00	680193.0276	1436428.1912
Y16	16+85.00	95.00	680208.9360	1436375.5422
Y16	17+10.00	40.00	680169.0962	1436420.9601
Y16	17+10.00	95.00	680185.0046	1436368.3111
Y16	20+40.00	90.00	679874.6224	1436274.1877
Y16	20+40.00	49.00	679860.3682	1436312.6260
Y16	20+71.90	90.00	679845.7041	1436263.2818

SHEET RW-32

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y17	14+15.00	55.00	678987.7792	1435929.3384
Y17	14+40.60	-50.00	678935.1278	1436023.7296
Y17	14+40.60	50.00	678960.5935	1435927.0264
Y17	14+87.00	-55.00	678888.9849	1436016.7489
Y17	14+87.00	-50.00	678890.2582	1436011.9137
Y17	15+07.00	-55.00	678869.6442	1436011.6557
Y17	15+07.00	-50.00	678870.9175	1436006.8206
Y17	21+50.00	-50.00	678249.1162	1435843.0767
Y17	22+65.00	-66.00	678133.8330	1435829.2638
Y17	23+75.00	-110.00	678016.2547	1435843.8010
Y17	24+25.00	-95.00	677971.7229	1435816.5627
Y17	24+75.00	-50.00	677934.8309	1435760.3135
Y17	26+64.73	50.00	677776.8254	1435615.2954
Y17	26+64.73	-50.00	677751.3598	1435711.9986
Y17	27+00.00	50.00	677741.9038	1435606.3850

SHEET RW-33

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y17	27+00.00	50.00	677741.9038	1435606.3850
Y17	31+00.00	-50.00	677331.8100	1435643.0570
Y17	32+30.21	-40.00	677204.6612	1435627.9726
Y17	33+50.00	-29.35	677085.0075	1435615.9317

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y17	28+05.00	83.00	677643.6433	1435550.6801	
Y17	28+06.00	65.00	677639.1205	1435568.1332	
Y17	28+88.00	71.00	677557.1017	1435547.2615	
Y17	28+89.00	81.00	677557.6770	1435537.2247	
Y17	30+23.00	-50.00	677406.8608	1435649.4503	
Y17	30+42.00	-67.00	677386.7758	1435664.5651	
Y17	30+58.00	-50.00	677372.7735	1435646.2328	
Y17	31+18.00	47.00	677320.0946	1435545.1020	
Y17	31+23.00	53.00	677315.3507	1435538.8097	
Y17	31+28.00	31.93	677309.0631	1435559.5540	MAG NAIL
Y17	31+28.00	50.00	677310.0757	1435541.5127	

SHEET RW-32

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y17	14+15.00	69.78	678991.8744	1435915.1377	
Y17	14+15.00	81.00	678994.9835	1435904.3565	
Y17	14+21.00	69.95	678985.7857	1435913.2206	
Y17	14+21.00	81.00	678988.7891	1435902.5884	
Y17	15+96.00	-50.00	678784.8517	1435984.1562	
Y17	15+96.00	-84.00	678776.1934	1436017.0353	NOT SET
Y17	16+30.00	-84.00	678743.3143	1436008.3769	MAG NAIL
Y17	16+30.00	-50.00	678751.9726	1435975.4979	MAG NAIL
Y17	16+95.00	68.68	678719.3387	1435844.1759	
Y17	16+99.00	74.00	678716.8248	1435838.0147	
Y17	17+02.00	68.65	678712.5625	1435842.4199	
Y17	17+04.00	71.00	678711.2257	1435839.6425	
Y17	18+25.00	68.17	678593.4942	1435811.5656	
Y17	18+27.00	77.00	678593.8087	1435802.5176	
Y17	18+50.00	68.07	678569.2933	1435805.2945	
Y17	18+53.00	77.00	678568.6659	1435795.8965	
Y17	20+70.00	-75.00	678320.1123	1435887.6250	
Y17	20+70.00	-50.00	678326.4787	1435863.4492	
Y17	21+05.00	-75.00	678286.2662	1435878.7120	
Y17	21+05.00	-50.00	678292.6326	1435854.5362	
Y17	21+23.00	-50.00	678275.2260	1435849.9524	
Y17	21+23.00	-84.00	678266.5677	1435882.8315	
Y17	21+50.00	-84.00	678240.4578	1435875.9558	
Y17	21+60.00	67.00	678269.2406	1435727.3874	
Y17	21+63.00	72.00	678267.6128	1435721.7883	
Y17	21+91.00	66.73	678239.1936	1435719.7553	
Y17	21+93.00	82.00	678241.1484	1435704.4783	
Y17	22+16.00	66.63	678214.9927	1435713.4841	
Y17	22+18.00	82.00	678216.9726	1435698.1119	
Y17	23+58.00	-132.00	678027.0918	1435869.4048	
Y17	23+59.00	-103.60	678033.3570	1435841.6865	
Y17	23+83.00	-132.00	678002.9160	1435863.0384	
Y17	23+84.00	-107.30	678008.2389	1435838.8981	
Y17	24+04.00	110.00	678044.2351	1435623.6690	MAG NAIL
Y17	24+23.00	127.00	678030.1906	1435602.3910	MAG NAIL
Y17	24+43.00	65.74	677995.2489	1435656.5417	
Y17	24+77.00	65.60	677962.3357	1435648.0129	
Y17	26+00.00	96.00	677851.1317	1435587.2948	
Y17	26+16.00	113.00	677839.9883	1435566.7808	
Y17	26+18.00	84.00	677830.6692	1435594.3154	
Y17	26+30.00	65.00	677814.2264	1435609.6331	
Y17	26+32.00	101.00	677821.4600	1435574.3107	
Y17	26+51.00	65.00	677793.9187	1435604.2854	

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. THE COORDINATES ON THIS PAGE ARE FOR POINTS SHOWN ON PLAN SHEETS RW-18, RW-31, RW-32 & RW-33.

REVISIONS

5/10/22

10-MAY-2022 14:22
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jjeffreys AT LS-314619

5/10/22

REVISIONS

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW03E-9

Location and Surveys

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3828 LAND SURVEYOR JAMES I. JEFFREYS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I , James I. Jeffreys, PE 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.

I further certify that the following work item(s) (R/W Staking) were performed by Taylor Wiseman & Taylor, signed and sealed previously by James M. Pearsall, PLS on 1/22/2019, 11/12/2019, and 1/31/2020. I do not certify to the accuracy or quality of those work items.

This day 05/10/2022.

DocuSigned by:
A43045A2D7AE4CA...

James I. Jeffreys, PE PLS
Professional Land Surveyor L-3828

SHEET RW-19

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
L	630+03.18	100.00	678740.4149	1437115.9446
L	630+53.00	95.00	678725.0732	1437163.6126
L	630+60.00	85.00	678731.4407	1437174.0252
L	631+00.00	-85.00	678871.2628	1437278.6675
L	631+95.00	-108.00	678854.3537	1437374.9391
L	632+30.00	-104.00	678836.6916	1437405.4194
L	632+45.00	74.66	678666.9388	1437347.7244
L	632+65.00	-75.00	678796.1152	1437425.9026
L	632+70.00	100.00	678633.7167	1437360.5059
L	633+10.00	110.00	678608.5558	1437393.1697
L	633+35.00	103.00	678604.9746	1437418.8830
L	633+93.00	247.00	678449.7959	1437414.4607
L	634+60.00	225.00	678443.1682	1437484.6681
L	634+65.00	108.00	678548.4070	1437536.0372
L	634+65.00	75.00	678578.6537	1437549.2333
L	635+00.00	75.00	678564.6582	1437581.3123
L	635+00.00	-75.00	678702.1431	1437641.2948
L	635+04.00	204.00	678444.8212	1437533.3945
L	640+50.00	-75.00	678482.2071	1438145.4070
L	641+85.00	-75.00	678428.2228	1438269.1435

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y19	14+35.00	-42.26	678464.5321	1438259.0167
Y19	14+45.00	39.52	678490.0690	1438180.6909

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
L	630+05.07	111.00	678729.5768	1437113.2782
L	630+54.45	103.00	678717.1618	1437161.7405
L	631+51.00	107.00	678674.8869	1437248.6353
L	631+55.00	79.69	678698.3225	1437263.2240
L	633+06.00	-105.00	678807.2170	1437475.4783
L	633+06.00	-75.00	678779.7200	1437463.4818
L	633+42.00	-105.00	678792.8212	1437508.4747
L	633+42.00	-90.00	678779.0727	1437502.4764
L	633+80.00	-75.00	678750.1287	1437531.3077
L	633+80.00	-90.00	678763.8772	1437537.3059
L	634+52.00	227.63	678443.9596	1437476.2851
L	634+65.00	258.00	678410.9221	1437476.0548
L	634+69.06	118.00	678537.6168	1437535.7619
L	634+79.00	94.00	678555.6406	1437554.4675
L	634+84.00	213.55	678444.0698	1437511.2461
L	634+97.00	245.00	678410.0412	1437510.5834
L	637+53.00	-97.00	678621.1368	1437881.9843
L	637+53.00	-75.00	678600.9723	1437873.1869
L	637+66.00	-107.00	678625.1040	1437897.8985
L	637+67.00	-98.00	678616.4550	1437895.2161
L	637+72.00	-108.00	678623.6212	1437903.7978
L	637+73.00	-98.00	678614.0557	1437900.7155
L	637+74.00	93.00	678438.5917	1437825.2544
L	637+74.00	101.00	678431.2591	1437822.0553
L	637+80.00	93.00	678436.1924	1437830.7538
L	637+80.00	101.00	678428.8598	1437827.5547
L	637+89.00	-75.00	678586.5765	1437906.1832
L	637+89.00	-99.00	678608.5741	1437915.7804
L	640+04.00	92.00	678347.5351	1438036.4645
L	640+04.00	81.00	678357.6174	1438040.8632
L	640+30.00	-75.00	678490.2047	1438127.0757
L	640+42.00	92.00	678332.3396	1438071.2940
L	640+42.00	81.00	678342.4218	1438075.6927
L	640+66.00	92.00	678322.7424	1438093.2916
L	640+67.00	100.00	678315.0100	1438091.0091
L	640+72.00	92.00	678320.3431	1438098.7910
L	640+73.00	100.00	678312.6107	1438096.5085
L	640+88.00	92.00	678313.9449	1438113.4561
L	640+88.00	86.00	678319.4443	1438115.8554
L	641+39.00	86.00	678299.0503	1438162.6002
L	641+39.00	92.00	678293.5509	1438160.2009
L	641+63.00	92.00	678283.9537	1438182.1985
L	641+63.00	87.00	678288.5366	1438184.1979
L	642+07.00	-75.00	678419.4254	1438289.3079
L	642+35.00	93.00	678254.2456	1438247.7914
L	642+35.00	87.00	678259.7450	1438250.1907
L	642+80.00	93.00	678236.2508	1438289.0369
L	642+84.00	99.00	678229.1519	1438290.3039
L	642+87.00	93.00	678233.4517	1438295.4529
L	642+89.00	96.00	678229.9022	1438296.0863
L	643+74.00	-75.00	678352.6450	1438442.3745
L	643+74.00	-94.00	678370.0597	1438449.9722

SHEET RW-19

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y19	13+24.00	-33.03	678569.0904	1438297.6532
Y19	13+24.00	-42.00	678565.3184	1438305.7865
Y19	13+35.00	32.91	678586.9423	1438233.2196
Y19	13+35.00	50.00	678594.1744	1438217.7311
Y19	14+12.00	60.00	678528.6365	1438176.0924
Y19	14+17.00	93.00	678538.0680	1438144.0760

SHEET RW-20

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	654+00.00	-75.00	677942.3654	1439382.7705	MAG NAIL
L	654+35.00	75.00	677790.8845	1439354.8679	
L	654+80.00	-75.00	677910.3743	1439456.0967	
L	654+80.00	-288.00	678105.6029	1439541.2717	
L	655+70.00	-300.00	678080.6123	1439628.5613	
L	656+25.00	-120.00	677893.6368	1439606.9935	
L	656+25.00	-287.00	678046.7033	1439673.7740	NOT SET
L	656+75.00	-100.00	677855.3113	1439644.8241	
L	657+00.00	-75.00	677822.3998	1439657.7401	MAG NAIL
L	657+05.00	75.00	677682.9157	1439602.3416	
L	658+00.00	75.00	677644.9273	1439689.4144	

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y20	10+95.00	-26.16	677634.6700	1439661.0118
Y20	11+10.00	23.83	677642.5020	1439609.4094

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
L	645+06.00	-94.00	678317.2752	1438570.9590
L	645+06.00	-104.00	678326.4408	1438574.9578
L	645+08.76	93.28	678144.5189	1438498.6020
L	645+09.00	101.00	678137.3451	1438495.7315
L	645+12.00	-94.00	678314.8759	1438576.4584
L	645+12.00	-104.00	678324.0415	1438580.4572
L	645+14.76	93.28	678142.1126	1438504.0987
L	645+15.00	101.00	678134.9458	1438501.2309
L	645+25.00	-75.00	678292.2626	1438580.7760
L	645+25.00	-94.00	678309.6774	1438588.3737
L	650+88.00	94.00	677912.2288	1439029.2225
L	653+97.00	123.00	677762.0845	1439300.8448
L	654+04.00	100.00	677780.3664	1439316.4581
L	654+33.00	136.00	677735.7734	1439328.6427
L	654+45.00	100.00	677763.9712	1439354.0373
L	654+59.00	-187.00	678021.4273	1439481.6357
L	654+59.00	-75.00	677918.7719	1439436.8488
L	654+80.00	-187.00	678013.0297	1439500.8836
L	655+24.00	-338.00	678133.8364	1439601.5948
L	655+39.00	-295.87	678089.2202	1439598.4949
L	655+53.00	-352.00	678135.0717	1439633.7736
L	655+87.00	-295.98	678070.1313	1439642.5361
L	656+10.00	-362.00	678121.4440	1439690.0167
L	656+10.00	-386.00	678143.4416	1439699.6139
L	656+16.59	-288.99	678051.8855	1439666.8642
L	656+18.00	-362.00	678118.2450	1439697.3492
L	656+29.00	101.00	677689.4761	1439522.2856
L	656+29.00	110.00	677681.2270	1439518.6867
L	656+35.00	110.00	677678.8277	1439524.1861
L	656+35.00	101.00	677687.0768	1439527.7850
L	656+51.00	-386.00	678127.0464	1439737.1931
L	656+51.00	-109.60	677873.7075	1439626.6654

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y20	11+04.00	28.07	677649.7395	1439608.1437
Y20	11+04.05	35.00	677652.6592	1439601.8599
Y20	11+05.00	-26.17	677625.6291	1439656.7383
Y20	11+36.00	35.00	677623.7812	1439588.1894
Y20	11+36.00	23.82	677618.9958	1439598.2983

NOTES:

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2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. THE COORDINATES ON THIS PAGE ARE FOR POINTS SHOWN ON PLAN SHEETS RW-19 & RW-20.

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jjeffreys AT LS-314619

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW03E-10

Location and Surveys

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3828 LAND SURVEYOR JAMES JEFFREYS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I , James I. Jeffreys, PE 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.

I further certify that the following work item(s) (R/W Staking) were performed by Taylor Wiseman & Taylor, signed and sealed previously by James M. Pearsall, PLS on 1/22/2019, 11/12/2019, and 1/31/2020. I do not certify to the accuracy or quality of those work items.

This day 05/10/2022.

DocuSigned by:
A43045A2D7AE4CA...

James I. Jeffreys, PE PLS
Professional Land Surveyor L-3828

SHEET RW-21

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	658+00.00	75.00	677644.9273	1439689.4144	
L	661+58.80	-75.00	677638.9332	1440078.2630	MAG NAIL
L	661+58.80	75.00	677501.4483	1440018.2805	
L	667+07.56	75.00	677338.9256	1440559.7949	
L	667+07.56	-75.00	677486.7185	1440585.4319	
L	667+50.00	75.00	677331.6724	1440601.6084	
L	668+00.00	-75.00	677470.9197	1440676.5097	
L	668+85.00	75.00	677308.5990	1440734.6230	
L	669+30.00	110.00	677266.4229	1440772.9789	
L	671+25.00	75.00	677267.5799	1440971.0917	
L	672+00.00	75.00	677254.7616	1441044.9872	

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
L	659+06.00	-75.00	677740.0242	1439846.5539
L	659+06.00	-96.00	677759.2721	1439854.9514
L	659+43.00	-75.00	677725.2285	1439880.4668
L	659+43.00	-96.00	677744.4764	1439888.8643
L	660+79.00	-112.00	677704.7573	1440019.9155
L	660+79.00	-75.00	677670.8444	1440005.1198
L	660+89.00	119.00	677489.0317	1439936.7082
L	660+89.00	110.00	677497.2808	1439940.3071
L	661+22.00	111.00	677483.1681	1439970.1539
L	661+22.00	119.00	677475.8356	1439966.9548
L	661+23.00	-112.00	677687.1625	1440060.2444
L	661+23.00	-75.00	677653.2495	1440045.4487
L	663+17.00	118.00	677400.8326	1440155.7323
L	663+18.00	126.00	677392.9428	1440154.0409
L	663+23.00	117.00	677399.6655	1440162.0114
L	663+24.00	125.00	677391.7714	1440160.3402
L	663+30.00	-75.00	677578.4482	1440232.3715
L	663+35.00	-104.00	677604.2489	1440246.4572
L	663+37.00	-75.00	677576.2216	1440238.7656
L	663+41.00	-103.00	677601.4305	1440251.5440
L	664+59.00	103.00	677369.5189	1440301.9993
L	664+60.00	115.00	677357.6969	1440299.6889
L	664+65.00	103.00	677367.7923	1440308.0267
L	664+66.00	115.00	677355.9643	1440305.7473
L	665+90.00	-98.00	677531.4498	1440479.0307
L	665+90.00	-75.00	677509.0198	1440473.9421
L	666+36.00	98.00	677330.1648	1440482.5496
L	666+36.00	123.00	677305.6781	1440477.5092
L	666+37.00	-75.00	677499.4174	1440518.3762
L	666+37.00	-101.00	677524.8858	1440523.6071
L	666+66.00	98.00	677324.0584	1440513.2315
L	666+66.00	123.00	677299.5078	1440508.5123
L	667+05.00	-107.00	677518.6663	1440588.4958
L	667+05.00	-75.00	677487.1433	1440582.9913
L	667+52.00	-107.00	677510.6525	1440634.6861
L	667+52.00	-75.00	677479.1233	1440629.2169
L	667+54.00	99.00	677307.3417	1440601.4486
L	667+62.00	110.00	677295.1363	1440607.4508
L	667+79.00	75.00	677326.7158	1440630.1827
L	668+71.00	-75.00	677458.7847	1440746.4659
L	668+71.00	-104.00	677487.3580	1440751.4224
L	670+48.00	88.82	677267.1230	1440892.8616
L	670+56.00	128.00	677227.1527	1440894.0485
L	670+72.00	-103.00	677452.0192	1440949.2940
L	670+74.00	-113.00	677461.5303	1440952.9737
L	670+78.00	-103.00	677450.9937	1440955.2057
L	670+80.00	-113.00	677460.5048	1440958.8854
L	670+80.00	83.08	677267.3129	1440925.3724
L	670+88.00	122.00	677227.5952	1440926.6032

SHEET RW-22

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	672+00.00	75.00	677254.7616	1441044.9872	
L	674+20.00	75.00	677217.1608	1441261.7501	
L	674+40.00	-75.00	677361.5354	1441307.0928	
L	676+20.00	100.00	677158.3459	1441454.5355	
L	676+55.00	100.00	677152.3639	1441489.0205	
L	676+60.00	245.00	677008.6429	1441469.1646	
L	677+75.00	100.00	677131.8544	1441607.2548	MAG NAIL
L	677+75.00	230.00	677003.7672	1441585.0362	
L	679+50.00	-75.00	677274.3697	1441809.5897	
L	679+65.00	100.00	677099.3809	1441794.4592	
L	681+35.00	-85.00	677252.6037	1441993.5767	
L	683+11.97	75.00	677064.7110	1442140.5994	
L	684+96.00	-85.00	677190.9042	1442349.2650	
L	685+05.00	-90.00	677194.2924	1442358.9872	
L	685+85.00	-90.00	677180.6193	1442437.8101	
L	686+00.00	-75.00	677163.2762	1442450.0264	

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y21	13+50.00	45.00	677428.9029	1441861.2519	
Y21	13+62.67	45.00	677416.6499	1441862.8285	
Y21	14+55.00	45.00	677332.7929	1441865.5229	MAG NAIL
Y21	14+80.00	-44.34	677300.3021	1441952.3810	
Y21	14+90.00	55.00	677302.3920	1441852.5804	MAG NAIL

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y22	11+50.00	32.65	677041.8541	1441841.9957	MAG NAIL

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y23	12+43.26	-29.50	676991.7949	1441953.2941

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	674+82.00	82.75	677198.9280	1441321.5142	
L	674+87.00	108.00	677173.1950	1441322.1251	
L	675+00.00	106.00	677172.9437	1441335.2757	
L	675+02.00	116.00	677162.7490	1441335.5371	
L	675+06.00	105.00	677172.9035	1441341.3583	
L	675+08.00	115.00	677162.7088	1441341.6197	
L	675+15.00	86.88	677189.2236	1441353.3237	
L	675+18.00	103.00	677172.8231	1441353.5236	
L	676+49.00	-94.00	677344.5349	1441516.2659	
L	676+63.00	-101.00	677349.0391	1441531.2563	
L	676+69.00	-97.00	677344.0725	1441536.4843	
L	676+69.00	-75.00	677322.3962	1441532.7243	
L	678+25.00	100.00	677123.3087	1441656.5191	
L	678+33.00	130.00	677092.3829	1441659.2740	
L	679+50.00	-109.00	677307.8694	1441815.4007	NOT SET
L	679+58.00	-119.00	677316.3550	1441824.9921	MAG NAIL
L	679+66.12	-90.00	677286.3938	1441828.0366	
L	679+84.00	140.00	677056.7222	1441806.3431	
L	679+84.00	129.00	677067.5603	1441808.2232	
L	682+06.63	106.00	677052.1723	1442031.5041	
L	682+88.00	-108.00	677249.1156	1442148.2565	
L	682+92.00	-85.00	677225.7704	1442148.2667	
L	682+99.00	-120.00	677259.0590	1442161.1456	
L	683+01.00	-110.00	677248.8643	1442161.4070	
L	683+05.00	-121.00	677259.0188	1442167.2282	
L	683+07.00	-111.00	677248.8241	1442167.4897	
L	683+19.00	-113.00	677248.7437	1442179.6549	
L	683+23.00	-85.00	677220.4721	1442178.8105	MAG NAIL
L	683+26.00	93.00	677044.5784	1442151.3439	MAG NAIL

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y21	13+70.00	-56.00	677421.0927	1441963.9997
Y21	13+70.00	-28.91	677418.1243	1441937.0718
Y21	14+02.00	-56.00	677385.6224	1441966.7646
Y21	14+02.00	-30.65	677384.4622	1441941.4457

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. THE COORDINATES ON THIS PAGE ARE FOR POINTS SHOWN ON PLAN SHEETS RW-21 & RW-22.

REVISIONS

5/10/22

10-MAY-2022 14:22
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jjeffreys AT LS-314619

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW03E-11

Location and Surveys

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3828 LAND SURVEYOR JAMES I. JEFFREYS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I , James I. Jeffreys, PE 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.

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This day 05/10/2022.

DocuSigned by:
A43045A2D7AE4CA...

James I. Jeffreys, PE PLS
Professional Land Surveyor L-3828

SHEET RW-23

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	686+00.00	-75.00	677163.2762	1442450.0264	
L	687+25.00	75.00	676994.1195	1442547.5486	
L	687+40.00	-75.00	677139.3485	1442587.9657	
L	689+00.00	-110.00	677146.4875	1442751.5934	
L	689+25.00	75.00	676959.9367	1442744.6067	
L	689+40.00	-100.00	677129.7981	1442789.2958	
L	689+65.00	-75.00	677100.8932	1442809.6551	
L	689+72.42	108.50	676918.8286	1442785.6058	
L	690+40.00	-75.00	677088.0748	1442883.5506	
L	691+30.51	75.00	676924.8117	1442947.0970	
L	691+75.00	82.50	676909.8189	1442989.6464	
L	694+00.00	82.50	676871.3636	1443211.3349	
L	695+75.00	-75.00	676996.6363	1443410.6796	
L	696+05.00	82.50	676836.3264	1443413.3195	
L	696+20.00	100.00	676816.5202	1443425.1078	
L	697+07.00	92.00	676809.5330	1443512.1950	
L	697+20.00	70.50	676828.4948	1443528.6783	
L	697+50.00	-86.50	676978.0573	1443585.0702	NOT SET
L	698+34.74	70.50	676808.8835	1443641.7346	
L	698+34.74	80.00	676799.5233	1443640.1109	
L	698+35.00	-92.00	676968.9488	1443669.7596	NOT SET
L	698+35.00	-86.50	676963.5298	1443668.8195	
L	698+54.00	-86.50	676960.2824	1443687.5400	
L	698+54.00	-92.00	676965.7015	1443688.4800	
L	698+54.74	80.00	676796.1050	1443659.8167	
L	698+54.74	70.50	676805.4652	1443661.4403	
L	700+00.00	-86.50	676935.3293	1443831.3908	

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y25	12+65.00	-80.00	677006.9736	1443571.3953
Y25	12+65.00	42.00	677027.4867	1443451.1322

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	687+15.00	114.00	676957.4023	1442531.0310	MAG NAIL
L	687+16.00	104.00	676967.0842	1442533.7254	NOT SET
L	687+22.00	-88.00	677155.2337	1442572.4524	MAG NAIL
L	687+22.00	-77.00	677144.3956	1442570.5724	
L	687+37.00	117.00	676950.6863	1442552.1946	MAG NAIL
L	687+38.00	105.00	676962.3389	1442555.2308	MAG NAIL
L	687+43.00	-77.00	677140.8064	1442591.2634	
L	687+43.00	-90.00	677153.6151	1442593.4853	
L	687+63.00	-90.00	677150.1968	1442613.1910	
L	687+83.00	-110.00	677166.4843	1442636.3150	
L	688+13.00	-128.00	677179.0921	1442668.9500	
L	688+19.00	-92.28	677142.8734	1442668.7569	
L	691+55.00	125.00	676871.3625	1442962.6769	
L	691+55.00	115.00	676881.2153	1442964.3860	
L	691+61.00	115.00	676880.1899	1442970.2977	
L	691+61.00	125.00	676870.3370	1442968.5886	
L	693+79.00	-75.00	677030.1352	1443217.5636	
L	693+79.00	-90.00	677044.9145	1443220.1273	
L	693+92.00	-90.00	677042.6927	1443232.9360	
L	693+92.00	-103.00	677055.5014	1443235.1578	NOT SET
L	693+94.00	109.00	676846.2789	1443200.8949	
L	693+94.00	118.00	676837.4113	1443199.3567	
L	693+97.00	-103.00	677054.6468	1443240.0843	
L	693+97.00	-90.00	677041.8381	1443237.8624	
L	694+00.00	118.00	676836.3858	1443205.2684	
L	694+00.00	109.00	676845.2534	1443206.8066	
L	694+11.00	-90.00	677039.4453	1443251.6564	
L	694+11.00	-75.00	677024.6660	1443249.0927	

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. THE COORDINATES ON THIS PAGE ARE FOR POINTS SHOWN ON PLAN SHEET RW-23.

REVISIONS

5/10/22

10-MAY-2022 14:23
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jjeffreys AT LS-314619

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW03E-12

Location and Surveys

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3828 LAND SURVEYOR JAMES I. JEFFREYS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I , James I. Jeffreys, PE PLS, certify that the right of way and permanent easement monumentation for this project, appearing on sheet RW-24, and 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 MM/DD/YYYY to MM/DD/YYYY, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

I further certify that right of way and permanent easement monumentation for this project, appearing on sheets RW-34 and RW-35, and shown herein were performed by Taylor Wiseman & Taylor, signed and sealed previously by James M. Pearsall, PLS on 1/22/2019, 11/12/2019, and 1/31/2020. I do not certify to the accuracy or quality of those work items.

This day 05/13/2022.

DocuSigned by:
A43045A2D7AE4CA...

James I. Jeffreys, PE PLS
Professional Land Surveyor L-3828

SHEET RW-24

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
L	700+00.00	-86.50	676935.3293	1443831.3908
L	701+00.00	-86.50	676918.2378	1443929.9204
L	701+09.91	70.50	676761.8537	1443912.8541
L	701+25.00	-93.00	676920.3694	1443955.6635
L	701+50.00	-112.00	676934.8170	1443983.5430
L	702+60.00	-112.00	676916.0166	1444091.9244
L	702+81.33	-74.50	676875.4226	1444106.5351
L	703+09.91	94.50	676704.0248	1444105.8059
L	703+43.65	-74.50	676864.7727	1444167.9300
L	703+89.66	-92.59	676874.7315	1444216.3581
L	704+55.15	-105.00	676875.7665	1444283.0068
L	705+65.31	94.50	676660.3729	1444357.4527
L	706+00.00	-105.00	676851.0100	1444425.7245
L	707+80.01	149.06	676569.9178	1444559.6598
L	707+83.82	-82.50	676797.4234	1444602.9929
L	708+52.79	138.50	676567.8872	1444633.1773
L	708+97.99	138.50	676560.1625	1444677.7089
L	709+97.39	113.49	676567.8202	1444779.9217
L	710+66.40	-82.50	676749.1269	1444881.4150
L	711+15.00	75.00	676585.6376	1444902.3834
L	712+21.06	-70.50	676710.8705	1445031.7462
L	712+66.00	-70.50	676703.1891	1445076.0295
L	712+66.00	85.00	676549.9769	1445049.4525
L	712+66.00	75.00	676559.8297	1445051.1616
L	712+76.00	-88.00	676718.7222	1445088.8733
L	712+88.21	85.00	676546.1804	1445071.3383
L	713+00.00	-88.00	676714.6203	1445112.5201
L	713+00.00	-70.50	676697.3783	1445109.5292
L	713+51.37	82.50	676537.8503	1445133.9903

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y26	17+90.00	-48.00	677017.9063	1444604.1830
Y26	17+90.00	75.00	677054.0922	1444486.6263
Y26	18+78.80	-45.75	676937.9112	1444582.7056
Y26	18+78.80	75.00	676958.5489	1444463.7323
Y26	19+62.85	75.00	676875.7398	1444449.3678
Y26	19+69.75	-45.75	676848.2962	1444567.1605

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y26A	11+40.00	83.89	676624.0110	1444385.7708
Y26A	11+80.00	-75.00	676529.9130	1444519.7584
Y26A	11+90.00	70.00	676577.4403	1444382.4055
Y26A	13+00.00	-60.00	676420.3781	1444445.9443

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y28	11+30.37	-30.99	676771.6638	1444982.4415
Y28	11+61.40	-43.73	676739.0256	1444997.2314

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
L	700+59.00	88.00	676753.3128	1443859.6993
L	700+63.00	83.00	676757.5556	1443864.4951
L	700+64.00	97.00	676743.5907	1443863.0876
L	700+69.00	95.00	676744.7067	1443868.3558
L	700+89.00	70.50	676765.4280	1443892.2489
L	702+99.00	-108.00	676905.4098	1444129.6669
L	703+01.00	-96.25	676893.4923	1444129.6295
L	703+04.00	93.79	676705.7335	1444100.1047
L	703+06.00	126.00	676673.6565	1444096.5703
L	703+35.00	94.50	676699.7365	1444130.5274
L	703+37.00	123.00	676671.3140	1444127.6269
L	704+70.00	-136.00	676903.7717	1444302.9364
L	704+73.00	-127.00	676894.3914	1444304.3541
L	704+75.00	-137.00	676903.9025	1444308.0338
L	704+78.00	-128.00	676894.5222	1444309.4514
L	705+80.00	-135.00	676883.9860	1444411.1470
L	709+52.00	153.00	676536.6440	1444728.4505
L	709+55.00	163.00	676526.2784	1444729.6973
L	709+58.00	152.00	676536.6039	1444734.5332
L	709+61.00	161.00	676527.2235	1444735.9508
L	710+81.00	111.00	676555.9783	1444862.7308
L	712+73.95	105.20	676528.7182	1445053.8345
L	712+77.00	115.00	676518.5382	1445055.1632
L	712+79.22	105.04	676527.9738	1445059.0530
L	712+83.00	114.00	676518.4980	1445061.2459
L	713+00.00	-83.00	676709.6939	1445111.6656
L	713+62.00	-83.00	676699.0973	1445172.7533
L	713+62.00	-70.50	676686.7812	1445170.6169

SHEET RW-24

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y26	17+77.00	90.00	677072.4864	1444476.7363
Y26	17+77.00	102.00	677076.2291	1444465.3349
Y26	17+82.00	92.00	677067.7290	1444473.0908
Y26	17+82.00	102.00	677070.7799	1444463.5676

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y26A	11+27.92	100.00	676639.1884	1444373.9508
Y26A	12+09.00	-94.00	676492.5611	1444524.0388
Y26A	12+11.00	-68.93	676501.1616	1444500.3832
Y26A	12+15.00	-94.00	676486.4155	1444521.1441
Y26A	12+16.00	-68.10	676496.5635	1444497.2847
Y26A	12+30.00	80.00	676549.2664	1444358.1967
Y26A	12+35.00	89.00	676549.4046	1444348.1772
Y26A	12+40.00	84.00	676543.2098	1444350.6086
Y26A	12+41.00	87.00	676543.8157	1444347.5415
Y26A	12+73.00	-61.41	676444.7068	1444462.3391
Y26A	12+77.00	-70.00	676436.5993	1444467.5530
Y26A	12+83.23	-67.62	676431.9431	1444462.0201

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y28	10+43.00	-32.22	676861.1676	1444968.3573
Y28	10+48.00	-57.00	676861.1896	1444993.6347

SHEET RW-34

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y26	11+50.00	-29.92	677508.8041	1444967.2953
Y26	11+50.00	-52.00	677493.0083	1444982.7249
Y26	12+66.00	40.17	677477.8873	1444835.3369
Y26	14+15.00	-52.00	677307.8351	1444793.1572
Y26	14+41.04	51.00	677363.3190	1444702.5553
Y26	15+50.00	57.00	677279.0603	1444620.8077
Y26	16+20.00	-55.00	677158.5219	1444674.5950
Y26	16+20.00	60.00	677217.7925	1444576.0455
Y26	16+60.00	-53.50	677127.1101	1444655.1840
Y26	17+30.00	68.00	677114.0417	1444515.3539

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y27	10+80.00	47.00	677184.6876	1444724.7543
Y27	11+10.00	29.01	677182.3436	1444766.2747
Y27	11+15.00	-30.81	677235.9208	1444793.3216

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y26	13+90.00	-52.00	677325.3043	1444811.0410
Y26	13+92.00	-76.00	677306.7384	1444826.3807
Y26	14+13.00	-76.00	677292.0643	1444811.3583
Y26	14+36.00	-88.16	677267.2953	1444803.4010
Y26	15+34.19	55.00	677291.4080	1444632.7658
Y26	15+37.00	84.00	677306.8006	1444607.9950
Y26	15+43.00	84.00	677301.4744	1444603.8974
Y26	15+46.00	76.00	677293.9747	1444608.2481
Y26	16+33.00	-281.35	677035.1625	1444864.6209
Y26	16+65.00	-53.70	677122.9227	1444653.2284
Y26	16+82.00	-306.85	676998.1221	1444873.8183
Y26	16+89.00	80.00	677160.3682	1444522.5887
Y26	16+90.00	89.00	677163.2065	1444513.9747
Y26	16+94.00	81.00	677155.7480	1444519.3124
Y26	16+95.00	89.00	677158.1026	1444511.5850
Y26	17+02.00	-54.18	677091.9824	1444638.7784

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y27	11+77.00	-44.00	677234.5045	1444852.2559
Y27	11+86.00	-67.00	677254.8451	1444866.2652

SHEET RW-35

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y26A	13+00.00	-60.00	676420.3781	1444445.9443
Y26A	13+61.93	60.00	676437.9831	1444312.1711
Y26A	13+65.00	-51.42	676367.9993	1444398.9193
Y26A	18+30.51	49.15	676070.6215	1444026.9477
Y26A	19+37.42	47.01	675989.6052	1443958.2583
Y26A	20+29.43	45.17	675920.6812	1443898.1686

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y26A	13+13.00	88.00	676489.9201	1444314.6870
Y26A	13+14.00	96.00	676493.5972	1444307.5290
Y26A	13+19.00	88.00	676485.5412	1444311.7774
Y26A	13+20.00	96.00	676489.2787	1444304.6507
Y26A	13+23.00	-56.20	676401.6514	1444429.1317
Y26A	13+47.00	-233.00	676276.3035	1444557.0783
Y26A	13+79.00	-223.00	676252.4872	1444526.5965
Y26A	14+95.00	-50.87	676264.9509	1444318.1658
Y26A	14+95.00	-84.00	676244.3889	1444344.1462
Y26A	15+02.00	-50.77	676259.4872	1444313.7104
Y26A	15+02.00	-84.00	676238.8382	1444339.7488
Y26A	15+10.00	79.00	676333.9220	1444207.1136
Y26A	16+88.00	86.00	676201.9545	1444090.5114
Y26A	16+88.00	81.00	676198.7478	1444094.3477
Y26A	16+94.00	81.00	676194.1975	1444090.5410
Y26A	16+94.00	86.00	676197.4073	1444086.7074
Y26A	19+02.00	78.00	676036.4386	1443958.5005
Y26A	19+02.00	81.00	676038.4300	1443956.2567
Y26A	19+07.00	82.00	676035.3978	1443952.2263
Y26A	19+08.00	77.00	676031.3368	1443955.3063
Y26A	19+66.00	46.56	675968.1991	1443939.5959
Y26A	19+77.00	74.00	675978.5212	1443911.9309
Y26A	19+93.00	111.00	675991.7057	1443873.9224
Y26A	20+00.00	109.00	675985.2633	1443870.7579
Y26A	20+06.00	45.75	675938.2351	1443913.4726
Y26A	20+09.00	136.00	675996.9374	1443844.8544
Y26A	20+16.00	72.00	675948.6381	1443887.4076
Y26A	20+32.00	127.00	675974.2130	1443836.2226
Y26A	21+00.00	72.00	675887.6467	1443830.8749
Y26A	21+00.00	67.00	675884.2265	1443834.5221
Y26A	21+06.00	67.00	675879.8921	1443830.4541
Y26A	21+06.00	72.00	675883.3154	1443826.8098
Y26A	22+38.16	56.00	675777.6089	1443747.8214
Y26A	22+38.16	42.39	675768.1085	1443757.5715

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. THE COORDINATES ON THIS PAGE ARE FOR POINTS SHOWN ON PLAN SHEETS RW-24, RW-34 & RW-35.

REVISIONS

5/13/22

13-MAY-2022 10:45
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jjeffreys AT LS-31619

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5/10/22

REVISIONS

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW03E-13

Location and Surveys

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

PROJECT SURVEYOR:
RANDY W. NANCE

ESP
LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

SHEET RW25

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	715+95.00	82.50	676496.2097	1445374.0389	MAG NAIL
L	716+15.00	70.50	676504.6149	1445395.7956	
L	719+90.00	70.50	676440.5226	1445765.2779	
L	720+05.00	82.50	676426.1355	1445778.0062	
L	720+85.00	82.50	676412.4624	1445856.8291	
L	720+85.00	-70.50	676563.2112	1445882.9788	MAG NAIL
L	722+35.00	-70.50	676537.5743	1446030.7717	
L	722+90.00	-77.66	676535.2301	1446086.1864	
L	723+52.28	82.50	676366.7805	1446120.1784	MAG NAIL
L	723+86.45	-105.00	676545.6813	1446185.8932	MAG NAIL
L	724+56.06	-105.00	676533.7851	1446254.4731	
L	724+56.76	84.81	676346.6503	1446222.7211	MAG NAIL
L	725+59.13	-83.86	676495.3402	1446352.4173	6" SURVEY NAIL
L	726+05.00	95.00	676311.2717	1446367.0415	
L	726+64.18	102.66	676293.6108	1446424.0403	
L	726+80.69	-86.55	676477.2100	1446472.6478	
L	726+90.00	109.58	676282.3798	1446448.2991	
L	737+53.48	-92.00	676299.2297	1447530.5864	
L	737+73.44	92.59	676113.9449	1447518.7008	
L	738+00.42	-92.00	676291.2076	1447576.8326	MAG NAIL
L	739+22.00	-100.00	676278.3102	1447697.9914	MAG NAIL
L	739+22.00	-89.31	676267.7783	1447696.1644	MAG NAIL
L	739+22.00	89.31	676091.7878	1447665.6362	MAG NAIL
L	739+22.00	100.00	676081.2530	1447663.8088	MAG NAIL
L	739+42.00	88.87	676088.8050	1447685.4175	MAG NAIL
L	739+42.00	-87.71	676262.7799	1447715.5961	MAG NAIL
L	739+42.00	-100.00	676274.8920	1447717.6971	MAG NAIL
L	739+42.00	100.00	676077.8347	1447683.5145	MAG NAIL
L	740+32.32	-74.87	676234.6953	1447802.3935	MAG NAIL
L	740+40.00	86.70	676074.1889	1447782.3446	MAG NAIL
L	741+13.54	-73.08	676219.0466	1447882.1074	MAG NAIL
L	741+65.00	83.94	676055.5456	1447905.9783	

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y29	15+46.37	36.51	676645.6135	1446257.1008	
Y29	15+46.37	-23.50	676643.0439	1446317.0570	MAG NAIL
Y29	16+10.00	-24.73	676579.4242	1446315.5621	
Y29	16+70.00	-50.00	676518.3972	1446338.2400	MAG NAIL

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y30	11+10.00	45.00	676311.7369	1446245.0316
Y30	11+35.00	-35.00	676284.7358	1446324.3786
Y30	11+55.00	35.22	676266.5054	1446253.6824
Y30	14+25.63	-35.00	675994.2002	1446317.0803
Y30	14+72.34	-28.91	675947.6535	1446309.8169

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y32	11+05.00	-30.00	676037.4753	1447885.5164	MAG NAIL
Y32	11+40.00	40.00	676015.5654	1447810.3835	
Y32	11+40.00	-25.00	676003.9348	1447874.3345	

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y33	13+15.00	28.70	676233.9354	1447899.3185	MAG NAIL

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y29	15+85.00	-24.25	676604.4220	1446316.1495	MAG NAIL
Y29	15+85.00	-33.00	676604.0472	1446324.8953	
Y29	16+49.96	-41.56	676538.7799	1446330.6657	6" SURVEY NAIL
Y29	16+50.46	-50.71	676537.8872	1446339.7891	MAG NAIL
Y29	16+70.00	-56.00	676518.1403	1446344.2345	MAG NAIL

SHEET RW25

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	714+63.00	82.50	676518.7702	1445243.9811	
L	714+80.00	99.00	676499.6075	1445257.9109	NOT SET - CAR
L	715+05.00	99.00	676495.3347	1445282.5431	
L	715+67.00	82.50	676500.9953	1445346.4509	MAG NAIL
L	717+66.00	-86.00	676633.0044	1445571.3216	MAG NAIL
L	717+66.00	-70.50	676617.7324	1445568.6725	MAG NAIL
L	717+78.00	89.00	676458.5283	1445553.2353	MAG NAIL
L	717+79.00	-86.00	676630.7825	1445584.1304	6" SURVEY NAIL
L	717+79.00	-99.00	676643.5912	1445586.3522	
L	717+84.00	-86.00	676629.9279	1445589.0568	
L	717+84.00	-99.00	676642.7366	1445591.2787	
L	717+98.00	-86.00	676627.5351	1445602.8508	MAG NAIL
L	717+98.00	-70.50	676612.2632	1445600.2016	MAG NAIL
L	719+83.00	-70.50	676580.6443	1445782.4796	MAG NAIL
L	720+05.00	-84.00	676590.1856	1445806.4632	MAG NAIL
L	720+59.00	120.00	676379.9579	1445824.8024	MAG NAIL
L	720+61.80	99.55	676399.6323	1445831.0548	MAG NAIL
L	720+66.00	139.00	676360.0411	1445828.4521	
L	720+67.00	-70.50	676566.2877	1445865.2436	
L	720+70.00	-94.00	676588.9291	1445872.2159	MAG NAIL
L	720+71.00	140.00	676358.2013	1445833.2076	
L	720+90.00	125.00	676369.7332	1445854.4917	MAG NAIL
L	720+93.00	100.00	676393.8526	1445861.7204	MAG NAIL
L	721+05.00	-70.50	676559.7930	1445902.6845	MAG NAIL
L	722+52.00	-116.00	676579.4993	1446055.2981	
L	722+54.00	-102.00	676565.3635	1446054.8759	
L	722+57.00	-117.00	676579.6300	1446060.3954	
L	722+59.00	-103.00	676565.4942	1446059.9732	
L	722+82.00	101.00	676360.5648	1446047.7686	
L	722+83.00	110.00	676351.5263	1446047.2157	
L	722+88.00	100.00	676360.5246	1446053.8512	
L	722+89.00	110.00	676350.5008	1446053.1274	NOT SET - TREE
L	724+32.00	-126.00	676558.5878	1446234.3587	MAG NAIL
L	724+38.00	-116.00	676547.7095	1446238.5613	
L	724+38.00	-128.00	676559.5329	1446240.6123	MAG NAIL
L	724+44.00	-117.00	676547.6693	1446244.6439	
L	724+54.12	-118.00	676546.9257	1446254.7819	
L	724+61.00	103.00	676328.0008	1446223.7930	MAG NAIL
L	725+88.00	-84.50	676491.0361	1446380.9705	
L	728+00.00	-143.00	676512.4418	1446599.8495	MAG NAIL
L	728+10.00	122.29	676249.3426	1446564.3603	
L	728+10.00	178.00	676194.4558	1446554.8394	MAG NAIL
L	729+04.00	183.00	676173.4635	1446646.6017	
L	729+05.00	191.00	676165.4103	1446646.2197	
L	729+08.00	213.00	676143.2213	1446645.4155	
L	729+33.79	-178.00	676524.0600	1446737.6549	
L	729+40.40	177.00	676173.1533	1446683.4956	NOT SET - LOG PILE
L	729+66.72	202.00	676144.0231	1446705.1533	NOT SET - LOG PILE
L	737+29.32	132.00	676082.6550	1447468.4967	
L	737+30.69	-127.00	676337.6110	1447514.1069	
L	737+67.00	-92.00	676296.9194	1447543.9047	
L	739+30.00	114.00	676066.0917	1447669.2983	MAG NAIL
L	740+56.56	110.00	676048.4024	1447794.6780	MAG NAIL
L	741+22.00	-83.42	676227.7900	1447892.2146	MAG NAIL

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y31RPC	14+38.00	91.42	675555.7387	1447396.0041
Y31RPC	15+65.00	117.00	675672.2036	1447431.0081
Y31RPC	15+83.00	104.24	675690.6999	1447420.4017
Y31RPC	15+83.00	87.49	675692.7874	1447403.7806

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y31RPD	22+29.00	-93.00	676396.1734	1447496.3399	
Y31RPD	22+34.00	-86.25	676388.9360	1447492.0698	NOT SET - RIPRAP
Y31RPD	22+35.00	-93.00	676390.6481	1447498.6790	
Y31RPD	22+40.00	-86.28	676383.4226	1447494.4370	

I, Randy W. Nance, 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 06/14/2022 to 09/26/2022, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 27th day of October, 2022.

DocuSigned by: Randy W Nance E96E1A61233442D

DocuSigned by: Randy W Nance E96E1A61233442D

Randy W. Nance, PLS
Professional Land Surveyor L-4185

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE 10/27/2022

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.

SHEET RW25

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y30	11+16.59	-63.00	676302.4335	1446352.8320	
Y30	11+33.00	-65.00	676285.9818	1446354.4194	NOT SET - BK WALL
Y30	11+36.00	-50.00	676283.3595	1446339.3488	
Y30	12+72.00	-50.00	676147.4024	1446335.9335	
Y30	12+72.00	-35.00	676147.7790	1446320.9382	NOT SET - PWR POLE
Y30	13+19.00	-43.00	676100.5930	1446327.7554	
Y30	13+19.00	-35.00	676100.7939	1446319.7580	
Y30	13+64.00	36.39	676057.6007	1446247.2628	MAG NAIL
Y30	13+64.00	48.00	676057.8924	1446235.6541	MAG NAIL
Y30	13+89.00	36.59	676032.6138	1446246.4307	
Y30	13+89.00	48.00	676032.9002	1446235.0263	
Y30	13+96.00	-35.00	676023.8181	1446317.8243	
Y30	13+96.00	-45.00	676023.5670	1446327.8212	
Y30	14+03.00	-54.00	676016.3432	1446336.6426	
Y30	14+05.00	-45.00	676014.5699	1446327.5952	
Y30	14+08.00	-56.00	676011.2946	1446338.5164	
Y30	14+11.00	-45.00	676008.5718	1446327.4445	
Y30	14+14.00	52.00	676008.0086	1446230.3997	
Y30	14+14.00	36.80	676007.6268	1446245.5987	6" SURVEY NAIL
Y30	14+27.00	-34.82	675992.8324	1446316.8669	
Y30	14+27.00	-46.00	675992.5517	1446328.0424	
Y30	14+31.00	52.00	675991.0139	1446229.9728	
Y30	14+32.00	61.00	675990.2403	1446220.9506	
Y30	14+37.00	52.00	675985.0158	1446229.8222	
Y30	14+39.00	60.00	675983.2174	1446221.7745	
Y30	14+48.00	37.07	675973.6445	1446244.4671	
Y30	14+48.00	52.00	675974.0193	1446229.5459	
Y30	15+25.00	-28.63	675895.0187	1446308.2213	

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y32	11+12.00	-29.00	676030.7672	1447883.2800

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y33	11+57.09	54.00	676394.1205	1447901.6980	MAG NAIL
Y33	11+64.00	54.00	676387.1707	1447900.4538	MAG NAIL
Y33	11+64.00	44.00	676385.4220	1447910.2997	NOT SET - SHED

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. THE COORDINATES ON THIS PAGE ARE FOR POINTS SHOWN ON PLAN SHEETS RW25.

26-OCT-2022 23:51
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5/10/22

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW03E-14

Location and Surveys

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

PROJECT SURVEYOR:
RANDY W. NANCE

ESP
LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Randy W. Nance, 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 04/01/2023 to 04/13/2023, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 18th day of April, 2023.

DocuSigned by: Randy W Nance
E9E7A6D21A4D...
Randy W. Nance, PLS
Professional Land Surveyor L-4185

DocuSigned by: Randy W Nance
E9E1A6123340...

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.

4/18/2023

SHEET RW26

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	742+30.00	-82.50	676208.4266	1447998.4685	MAG NAIL
L	742+30.14	82.50	676045.8298	1447970.4094	
L	743+90.00	82.50	676018.5083	1448127.9137	MAG NAIL
L	745+16.89	61.77	676017.2475	1448256.4753	MAG NAIL
L	747+20.00	70.50	675973.9305	1448455.1091	
L	747+20.00	59.97	675984.3036	1448456.9044	
L	748+00.10	70.50	675960.2397	1448534.0341	
L	749+00.11	82.50	675931.3243	1448630.5158	MAG NAIL
L	749+30.00	-82.50	676088.7875	1448688.1688	MAG NAIL
L	749+65.00	82.50	675920.2334	1448694.4532	MAG NAIL
L	750+75.00	-108.00	676089.1300	1448835.3936	MAG NAIL
L	751+20.00	-75.00	676048.9245	1448874.0913	MAG NAIL
L	751+77.85	-75.00	676039.0371	1448931.0906	
L	752+24.00	-75.00	676030.4186	1448977.9650	
L	752+85.00	80.00	675866.2675	1449006.0333	
L	753+24.00	-90.00	676023.0994	1449082.3831	
L	753+76.73	-90.00	676009.6959	1449135.5201	
L	754+75.00	80.00	675819.1366	1449183.1807	
L	754+75.00	-76.50	675968.5765	1449229.6562	
L	755+00.00	-76.50	675960.7698	1449254.2835	
L	755+80.00	80.00	675786.8369	1449279.2176	

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y33	12+90.00	-43.04	676246.1971	1447974.2930

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y35	11+20.00	40.00	675984.3701	1448152.0330	NOT SET - TREE
Y35	11+83.08	-50.00	675924.9189	1448243.9232	
Y35	11+97.00	33.18	675922.3355	1448159.6295	
Y35	14+34.89	-50.00	675675.4050	1448210.0016	
Y35	14+75.00	-50.00	675642.4806	1448207.8828	MAG NAIL
Y35	14+75.00	-31.34	675642.3575	1448189.2264	

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y36	10+89.00	-74.72	675858.3563	1448854.7580	
Y36	11+60.00	55.00	675891.0510	1448712.2690	MAG NAIL
Y36	12+40.00	28.00	675799.3301	1448693.6552	
Y36	12+40.00	-40.16	675774.5762	1448757.1577	

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y37	12+50.00	-30.45	676038.5744	1449241.7149	MAG NAIL
Y37	12+75.00	30.00	676034.9647	1449176.4023	

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y35	11+36.00	-59.13	675987.5285	1448252.4350
Y35	12+20.00	-50.00	675888.3402	1448238.9503
Y35	12+35.00	-70.00	675870.7827	1448256.7473
Y35	12+50.00	33.18	675869.8186	1448152.4898
Y35	12+50.00	38.00	675870.4682	1448147.7111
Y35	12+55.00	-70.00	675850.9650	1448254.0531
Y35	12+55.00	-50.00	675853.6592	1448234.2354
Y35	12+73.00	39.00	675847.8126	1448143.6218
Y35	12+73.00	33.18	675847.0282	1448149.3914
Y35	13+48.00	-50.00	675761.5069	1448221.7072
Y35	13+48.00	-55.00	675760.8333	1448226.6616
Y35	13+72.00	-55.00	675737.0521	1448223.4285
Y35	13+72.00	-50.00	675737.7257	1448218.4741

SHEET RW26

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	742+14.00	109.00	676022.4789	1447949.9741	MAG NAIL
L	742+14.00	96.00	676035.2876	1447952.1960	MAG NAIL
L	742+24.97	-88.00	676214.7059	1447994.4493	MAG NAIL
L	742+52.00	-82.50	676204.6665	1448020.1448	MAG NAIL
L	742+68.00	106.00	676016.2054	1448003.6923	MAG NAIL
L	742+68.00	96.00	676026.0583	1448005.4014	MAG NAIL
L	742+85.00	-100.00	676216.2689	1448055.6502	MAG NAIL
L	742+85.15	-82.50	676199.0007	1448052.8070	MAG NAIL
L	743+30.00	-82.50	676191.3353	1448096.9971	MAG NAIL
L	743+30.00	-100.00	676208.5778	1448099.9881	MAG NAIL
L	744+05.54	98.00	676000.5795	1448140.5807	MAG NAIL
L	745+15.00	-82.50	676159.7164	1448279.2751	MAG NAIL
L	745+15.00	-113.00	676189.7676	1448284.4879	MAG NAIL
L	745+46.00	-113.00	676184.4693	1448315.0318	MAG NAIL
L	745+46.00	-82.50	676154.4181	1448309.8189	MAG NAIL
L	746+02.00	-103.00	676165.0453	1448368.4987	MAG NAIL
L	746+02.00	-82.50	676144.8470	1448364.9950	MAG NAIL
L	746+07.00	-107.00	676168.1319	1448374.1088	MAG NAIL
L	746+25.00	87.00	675973.9100	1448358.6868	MAG NAIL
L	746+25.00	94.00	675967.0130	1448357.4904	MAG NAIL
L	746+36.00	-95.00	676151.3520	1448400.6311	MAG NAIL
L	746+36.00	-82.50	676139.0359	1448398.4947	MAG NAIL
L	746+80.00	94.00	675957.6128	1448411.6812	MAG NAIL
L	746+80.00	87.00	675964.5098	1448412.8775	MAG NAIL
L	747+34.00	95.00	675947.3982	1448464.7157	
L	747+39.00	102.00	675939.6466	1448468.4457	
L	747+41.00	95.00	675946.2018	1448471.6127	
L	747+44.00	99.00	675941.7479	1448473.8849	
L	748+47.00	-95.00	676115.2894	1448608.5265	MAG NAIL
L	748+47.00	-82.50	676102.9733	1448606.3901	MAG NAIL
L	748+72.00	-103.00	676118.8989	1448634.5259	MAG NAIL
L	749+20.00	-103.00	676110.6950	1448681.8197	MAG NAIL
L	749+45.00	-85.14	676088.8230	1448703.3990	MAG NAIL
L	749+78.59	98.00	675902.6386	1448705.1948	MAG NAIL
L	749+87.00	-92.52	676088.9222	1448746.0434	MAG NAIL
L	749+87.00	-110.00	676106.1409	1448749.0302	MAG NAIL
L	749+93.00	-93.58	676088.9363	1448752.1354	MAG NAIL
L	749+93.00	-110.00	676105.1154	1448754.9419	MAG NAIL
L	751+69.00	-100.00	676065.1819	1448926.6432	
L	751+80.00	115.00	675851.4828	1448900.6285	
L	751+84.00	134.00	675832.1151	1448901.0730	
L	752+09.00	-90.00	676048.0665	1448965.5131	
L	752+30.00	141.00	675817.3027	1448942.2925	
L	752+31.00	-93.00	676046.6879	1448988.5467	
L	752+32.00	-100.00	676053.3528	1448990.9266	MAG NAIL
L	752+37.00	-94.00	676046.4508	1448994.8667	
L	752+38.00	-99.00	676051.1485	1448996.8712	MAG NAIL
L	752+41.00	124.00	675831.9464	1448955.7820	
L	753+14.00	-104.00	676039.1306	1449075.4800	MAG NAIL
L	753+72.00	-104.00	676024.4900	1449134.3183	MAG NAIL
L	755+08.00	150.00	675742.9246	1449191.7732	
L	755+16.00	174.00	675717.8034	1449191.3387	
L	755+81.00	174.00	675698.1366	1449248.0865	
L	755+81.00	152.00	675718.8193	1449255.5849	

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y35	11+36.00	-59.13	675987.5285	1448252.4350	
Y35	12+20.00	-50.00	675888.3402	1448238.9503	
Y35	12+35.00	-70.00	675870.7827	1448256.7473	MAG NAIL
Y35	12+50.00	33.18	675869.8186	1448152.4898	
Y35	12+50.00	38.00	675870.4682	1448147.7111	NOT SET - HOLLY BUSH
Y35	12+55.00	-70.00	675850.9650	1448254.0531	MAG NAIL
Y35	12+55.00	-50.00	675853.6592	1448234.2354	MAG NAIL
Y35	12+73.00	39.00	675847.8126	1448143.6218	
Y35	12+73.00	33.18	675847.0282	1448149.3914	MAG NAIL
Y35	13+48.00	-50.00	675761.5069	1448221.7072	
Y35	13+48.00	-55.00	675760.8333	1448226.6616	
Y35	13+72.00	-55.00	675737.0521	1448223.4285	
Y35	13+72.00	-50.00	675737.7257	1448218.4741	

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. THE COORDINATES ON THIS PAGE ARE FOR POINTS SHOWN ON PLAN SHEETS RW26.

REVISIONS

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5/10/22

REVISIONS

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW03E-15

Location and Surveys

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

PROJECT SURVEYOR:
RANDY W. NANCE

LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

SHEET RW27

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
L	756+15.00	-76.50	675921.4173	1449366.4073
L	756+35.00	115.00	675735.5563	1449316.2024
L	757+35.00	-76.50	675874.4077	1449481.1451
L	757+92.84	-72.00	675845.5447	1449533.6175
L	757+92.84	75.00	675712.5657	1449470.9629
L	758+25.00	72.00	675701.5739	1449501.3308
L	760+75.00	-72.00	675725.2835	1449788.8614
L	761+95.00	-72.00	675674.1369	1449897.4157
L	767+54.97	-72.00	675435.4654	1450403.9751
L	767+54.97	72.00	675305.2003	1450342.5991
L	768+29.17	-72.00	675405.0465	1450470.1561

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y38	14+60.00	-30.15	675816.5951	1449890.9718	MAG NAIL
Y38	14+60.00	-35.00	675815.4334	1449895.6837	
Y38	15+25.00	-35.00	675752.3234	1449880.1233	
Y38	15+55.00	-40.00	675721.9987	1449877.7962	MAG NAIL
Y38	15+56.00	24.82	675736.5450	1449814.6220	NOT SET - BUSH

ROW MARKER PERMANENT EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST	
L	756+56.00	152.00	675693.8799	1449321.0115	NOT SET - ROCKS
L	756+60.00	159.00	675685.9951	1449321.8662	
L	756+61.00	148.00	675695.8518	1449326.8376	
L	756+65.00	157.00	675686.1086	1449326.9314	
L	757+00.00	132.21	675696.4870	1449366.7061	
L	757+00.00	99.96	675726.1893	1449379.2560	
L	757+88.88	92.92	675697.9716	1449459.8793	MAG NAIL
L	757+91.00	106.00	675685.2713	1449456.1592	
L	757+95.00	90.00	675698.0774	1449466.5203	NOT SET - CAR
L	757+97.00	105.00	675683.6556	1449461.9362	MAG NAIL
L	758+59.00	-107.00	675849.0091	1449608.3816	MAG NAIL
L	758+63.00	-72.00	675815.6425	1449597.0823	
L	758+91.00	92.00	675655.3508	1449552.5112	NOT SET - CAR
L	758+91.00	100.00	675648.1139	1449549.1015	
L	758+97.00	92.00	675652.7935	1449557.9389	MAG NAIL
L	758+97.00	100.00	675645.5566	1449554.5292	NOT SET - CAR
L	759+00.00	-112.00	675836.0571	1449647.6020	MAG NAIL
L	759+05.00	-89.00	675813.1197	1449642.3220	MAG NAIL
L	759+75.00	-103.00	675795.9489	1449711.6124	MAG NAIL
L	759+78.00	-89.00	675782.0055	1449708.3592	MAG NAIL
L	760+05.00	-108.00	675787.6853	1449740.8821	MAG NAIL
L	760+10.00	-87.00	675766.5572	1449736.4546	MAG NAIL
L	760+13.00	93.00	675602.4472	1449662.4485	MAG NAIL
L	760+13.00	100.00	675596.1148	1449659.4649	MAG NAIL
L	760+19.00	100.00	675593.5575	1449664.8926	MAG NAIL
L	760+19.00	91.00	675601.6991	1449668.7286	MAG NAIL
L	760+50.00	-82.00	675744.9852	1449770.5082	
L	762+82.00	-96.00	675658.7664	1449986.3468	MAG NAIL
L	762+85.00	-72.00	675635.7769	1449978.8314	
L	763+11.00	90.00	675478.1469	1449933.3035	MAG NAIL
L	763+11.00	99.00	675470.0054	1449929.4675	MAG NAIL
L	763+16.00	-100.00	675647.8934	1450018.8088	MAG NAIL
L	763+16.00	99.00	675467.8742	1449933.9906	MAG NAIL
L	763+16.00	90.00	675476.0158	1449937.8266	MAG NAIL
L	763+20.00	-72.00	675620.8592	1450010.4930	MAG NAIL
L	765+22.00	-100.00	675560.0917	1450205.1602	MAG NAIL
L	765+22.00	-72.00	675534.7623	1450193.2260	
L	765+51.00	89.00	675376.7583	1450150.8382	
L	765+52.00	98.00	675368.1905	1450147.9068	MAG NAIL
L	765+55.00	-100.00	675546.0263	1450235.0126	MAG NAIL
L	765+55.00	-72.00	675520.6970	1450223.0784	
L	765+57.00	89.00	675374.2010	1450156.2659	
L	765+58.00	97.00	675366.5378	1450153.7608	MAG NAIL
L	767+95.00	72.00	675288.0138	1450379.5651	
L	767+95.00	91.70	675270.1051	1450371.3499	
L	768+06.00	97.00	675260.6048	1450379.3939	
L	768+08.00	92.00	675264.3075	1450383.3290	
L	768+11.00	99.00	675256.6633	1450383.2320	
L	768+15.00	93.00	675260.4367	1450389.4413	
L	768+35.00	-108.00	675435.5840	1450490.0526	
L	768+60.00	-76.15	675396.5826	1450499.4870	NOT SET - TREE
L	768+65.00	-100.00	675416.4644	1450513.5314	MAG NAIL
L	768+79.00	-82.17	675394.6586	1450518.9558	MAG NAIL

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y38	15+60.00	30.04	675733.9108	1449808.5965

SHEET RW28

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	770+10.00	72.00	675202.2300	1450580.9850	
L	771+15.00	-75.00	675302.5567	1450731.1700	
L	772+95.44	72.00	675105.6629	1450855.0952	
L	773+34.12	-75.00	675234.8836	1450935.1303	
L	780+50.00	-75.00	675028.5432	1451620.6288	MAG NAIL
L	780+65.00	-82.50	675031.4014	1451637.1539	MAG NAIL
L	781+30.00	-82.50	675012.6663	1451699.3953	NOT SET - CAR
L	782+35.00	-82.50	674982.4018	1451799.9392	NOT SET - CAR
L	782+70.00	72.00	674824.3706	1451788.9218	MAG NAIL

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y39	17+65.07	40.00	675507.7194	1450666.1406
Y39	18+68.18	89.40	675417.6921	1450598.9703
Y39	18+96.00	-35.00	675365.0916	1450715.0208
Y39	19+30.00	-45.00	675329.2884	1450717.3378

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y40	11+00.00	29.24	675171.3396	1450592.0388
Y40	12+12.88	-65.00	675028.3383	1450626.2832

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	770+07.00	100.00	675177.3060	1450567.8627	MAG NAIL
L	772+17.23	89.00	675114.0035	1450773.9218	
L	775+13.00	-75.00	675183.3244	1451106.4189	
L	775+13.00	-105.00	675212.0512	1451115.0659	MAG NAIL
L	775+50.00	-75.00	675172.6598	1451141.8486	NOT SET - SIDE OF CURB
L	775+50.00	-105.00	675201.3866	1451150.4956	MAG NAIL
L	775+84.00	87.00	675007.7351	1451127.7119	
L	775+86.00	96.00	674998.5406	1451127.0330	
L	775+90.00	87.00	675006.0057	1451133.4573	
L	775+92.00	95.00	674997.7687	1451133.0665	
L	777+73.00	95.00	674945.5985	1451306.3850	
L	777+76.00	89.00	674950.4792	1451310.9870	
L	777+78.00	97.00	674942.2423	1451310.5963	MAG NAIL
L	777+82.00	89.00	674948.7498	1451316.7324	
L	778+41.00	-98.00	675110.8078	1451427.1280	
L	778+47.00	-75.00	675087.0545	1451426.2440	
L	778+70.00	-106.00	675110.1095	1451457.2032	
L	778+93.00	-75.00	675073.7958	1451470.2918	
L	780+35.00	-75.00	675032.8667	1451606.2654	MAG NAIL
L	780+90.00	-82.50	675024.1956	1451661.0929	MAG NAIL
L	781+08.00	-144.00	675077.8974	1451696.0554	MAG NAIL
L	781+30.00	-121.00	675049.5323	1451710.4923	MAG NAIL
L	782+67.00	-153.00	675040.6863	1451850.9015	MAG NAIL
L	782+76.00	-91.23	674978.9483	1451841.7168	MAG NAIL
L	782+97.00	-156.00	675034.9120	1451880.4930	MAG NAIL

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y39	17+11.00	-54.00	675546.3003	1450767.5523
Y39	17+18.00	-55.00	675539.1039	1450767.4640
Y39	17+19.00	-71.00	675535.6563	1450783.1215
Y39	17+24.00	-69.00	675530.9070	1450780.3603
Y39	17+39.00	-35.00	675521.1628	1450744.3894

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y40	11+42.00	29.25	675133.7223	1450573.3588	MAG NAIL
Y40	11+42.00	53.00	675144.2785	1450552.0853	MAG NAIL
Y40	12+18.00	29.27	675065.6530	1450539.5570	
Y40	12+18.00	51.00	675075.3101	1450520.0951	MAG NAIL
Y40	12+49.00	29.28	675037.8878	1450525.7694	MAG NAIL
Y40	12+49.00	51.00	675047.5409	1450506.3158	MAG NAIL

I, Randy W. Nance, 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 04/01/2023 to 04/13/2023, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 18th day of April, 2023.

DocuSigned by: Randy W Nance E96E1A61233442D...

DocuSigned by: Randy W Nance E96E1A61233442D...

Randy W. Nance, PLS
Professional Land Surveyor L-4185

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE 4/18/2023

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.

SHEET RW36

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y39	12+34.02	-50.00	676022.9696	1450817.6034	MAG NAIL
Y39	12+45.00	-35.00	676013.6559	1450801.5177	
Y39	14+30.00	31.26	675836.7822	1450715.8992	
Y39	14+30.00	40.00	675837.7153	1450707.2049	
Y39	15+80.24	-35.00	675680.3341	1450765.7452	
Y39	15+80.24	40.00	675688.3372	1450691.1734	

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y40	14+22.00	-70.00	674838.7868	1450537.8075
Y40	14+22.00	-65.00	674841.0093	1450533.3285
Y40	14+42.00	-65.00	674823.0937	1450524.4386
Y40	14+42.00	-70.00	674820.8712	1450528.9175
Y40	15+20.00	-65.00	674753.2228	1450489.7679
Y40	18+00.00	-30.01	674516.6983	1450340.7495

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y39	12+35.02	-65.00	676020.3787	1450832.4114	MAG NAIL
Y39	12+40.00	-48.00	676017.2402	1450814.9770	MAG NAIL
Y39	12+40.00	-65.00	676015.4261	1450831.8799	
Y39	12+63.00	32.53	676002.9642	1450732.4569	
Y39	12+63.00	38.00	676003.5484	1450727.0137	
Y39	14+15.00	45.00	675853.1632	1450703.8340	
Y39	15+81.00	-62.00	675676.6776	1450792.5077	
Y39	15+81.00	-52.00	675677.7472	1450782.5651	
Y39	16+10.00	-65.00	675646.9141	1450792.1791	
Y39	16+10.00	-50.00	675648.6626	1450777.2814	NOT SET - CAR

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. THE COORDINATES ON THIS PAGE ARE FOR POINTS SHOWN ON PLAN SHEETS RW27, RW28, & RW36.

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ppetrucci AT ESPS2C061517

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5/10/22

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW03E-16

Location and Surveys

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

PROJECT SURVEYOR:
RANDY W. NANCE

ESP
LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Randy W. Nance, 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 04/01/2023 to 04/13/2023, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 18th day of April, 2023.

DocuSigned by:
Randy W Nance
E96E1A61233442D...
Randy W. Nance, PLS
Professional Land Surveyor L-4185

DocuSigned by:
Randy W Nance
E96E1A61233442D...

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.

4/18/2023

SHEET RW29

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	783+50.00	-107.00	674972.7152	1451917.1203	MAG NAIL
L	783+63.00	88.00	674782.2439	1451873.3631	
L	783+63.48	72.00	674797.4268	1451878.4335	
L	783+85.00	-100.00	674955.9241	1451948.6173	MAG NAIL
L	784+25.00	115.00	674738.5193	1451924.9496	
L	784+35.00	-75.00	674917.5735	1451989.2895	
L	785+50.00	-75.00	674884.4267	1452099.4089	
L	786+25.00	72.00	674722.0478	1452128.8557	
L	786+40.00	72.00	674717.7246	1452143.2182	
L	786+40.00	82.00	674708.1490	1452140.3358	
L	786+60.00	72.00	674711.9599	1452162.3694	
L	786+60.00	82.00	674702.3843	1452159.4870	
L	790+40.00	72.00	674602.4311	1452526.2432	
L	791+50.00	80.00	674563.0649	1452629.2689	
L	791+55.00	-75.00	674710.0456	1452678.7329	
L	792+35.00	-75.00	674686.9870	1452755.3377	

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y42	11+20.00	35.00	674547.1829	1452543.2642
Y42	11+25.00	-43.00	674519.9088	1452616.5067
Y42	11+25.00	-25.00	674525.0970	1452599.2751

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
Y45	9+81.66	39.13	675127.3625	1452023.3113	
Y45	9+83.95	-13.36	675117.7300	1452074.9538	
Y45	10+58.81	32.43	675050.0326	1452019.1157	NOT SET - CAR
Y45	11+30.00	-25.83	674971.3753	1452066.8074	
Y45	11+65.00	30.99	674944.6968	1452005.6342	

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	783+04.00	-97.20	674976.5898	1451870.2479	MAG NAIL
L	783+06.00	88.00	674798.6732	1451818.7822	
L	783+07.00	98.00	674788.8094	1451816.8574	
L	783+12.00	88.00	674796.9438	1451824.5276	
L	783+13.00	98.00	674787.0800	1451822.6028	
L	783+27.00	-102.10	674974.6525	1451893.6841	
L	783+64.00	-146.00	675006.0248	1451941.7673	
L	783+95.00	-119.00	674971.2354	1451963.6693	NOT SET - HOLE
L	783+95.00	101.94	674759.6764	1451899.9884	
L	784+43.00	193.00	674658.6414	1451919.7035	
L	784+85.00	102.10	674733.5779	1451986.1214	
L	784+97.00	170.00	674665.1007	1451978.0411	
L	785+38.57	-90.00	674902.0844	1452092.7881	
L	787+64.00	72.00	674681.9834	1452261.9565	
L	787+64.00	93.00	674661.8746	1452255.9036	MAG NAIL
L	787+88.00	72.00	674675.0658	1452284.9380	
L	787+88.00	93.00	674654.9570	1452278.8851	
L	790+32.00	72.00	674604.7369	1452518.5827	
L	790+63.00	-96.00	674756.6718	1452596.6902	MAG NAIL
L	791+35.00	-115.00	674754.1127	1452671.1110	MAG NAIL
L	791+35.00	-105.00	674744.5371	1452668.2287	MAG NAIL
L	791+41.00	-106.00	674743.7653	1452674.2623	NOT SET - CAR
L	791+41.00	-115.00	674752.3833	1452676.8564	MAG NAIL
L	792+37.00	152.00	674469.0443	1452691.8239	
L	792+37.00	80.00	674537.9887	1452712.5767	
L	792+77.00	167.00	674443.1516	1452725.8028	

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y42	11+17.00	62.00	674557.8409	1452518.2715
Y42	11+40.00	-45.00	674504.9691	1452614.0972
Y42	11+60.00	-25.00	674491.5831	1452589.1845

SHEET RW30

ROW MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	793+15.00	-80.00	674668.7161	1452833.3837	
L	794+15.00	80.00	674486.6832	1452883.0224	
L	794+25.00	-80.00	674637.0105	1452938.7153	
L	794+85.00	66.97	674478.9802	1452953.8062	
L	795+85.00	-117.00	674626.3229	1453102.5896	MAG NAIL
L	796+54.38	63.51	674433.4740	1453116.9973	
L	796+57.31	-77.85	674567.9892	1453160.5483	

PERMANENT EASEMENT MARKER IRON PIN AND CAP

ALIGN	STATION	OFFSET	NORTH	EAST	
L	793+15.00	-140.00	674726.1697	1452850.6777	
L	793+15.00	-126.80	674713.5341	1452846.8742	NOT SET - CAR
L	793+43.00	80.00	674507.4360	1452814.0781	
L	793+78.00	-131.00	674699.3930	1452908.4099	
L	793+78.00	-137.00	674705.1384	1452910.1393	
L	794+25.75	78.00	674485.5005	1452893.8903	MAG NAIL
L	796+63.00	78.00	674417.1165	1453121.0738	MAG NAIL
L	796+74.00	85.00	674407.2430	1453129.5894	
L	796+81.88	82.00	674407.8431	1453138.0040	
L	796+83.29	-124.05	674604.7425	1453198.7437	

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. THE COORDINATES ON THIS PAGE ARE FOR POINTS SHOWN ON PLAN SHEETS RW29 & RW30.

REVISIONS

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PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW04

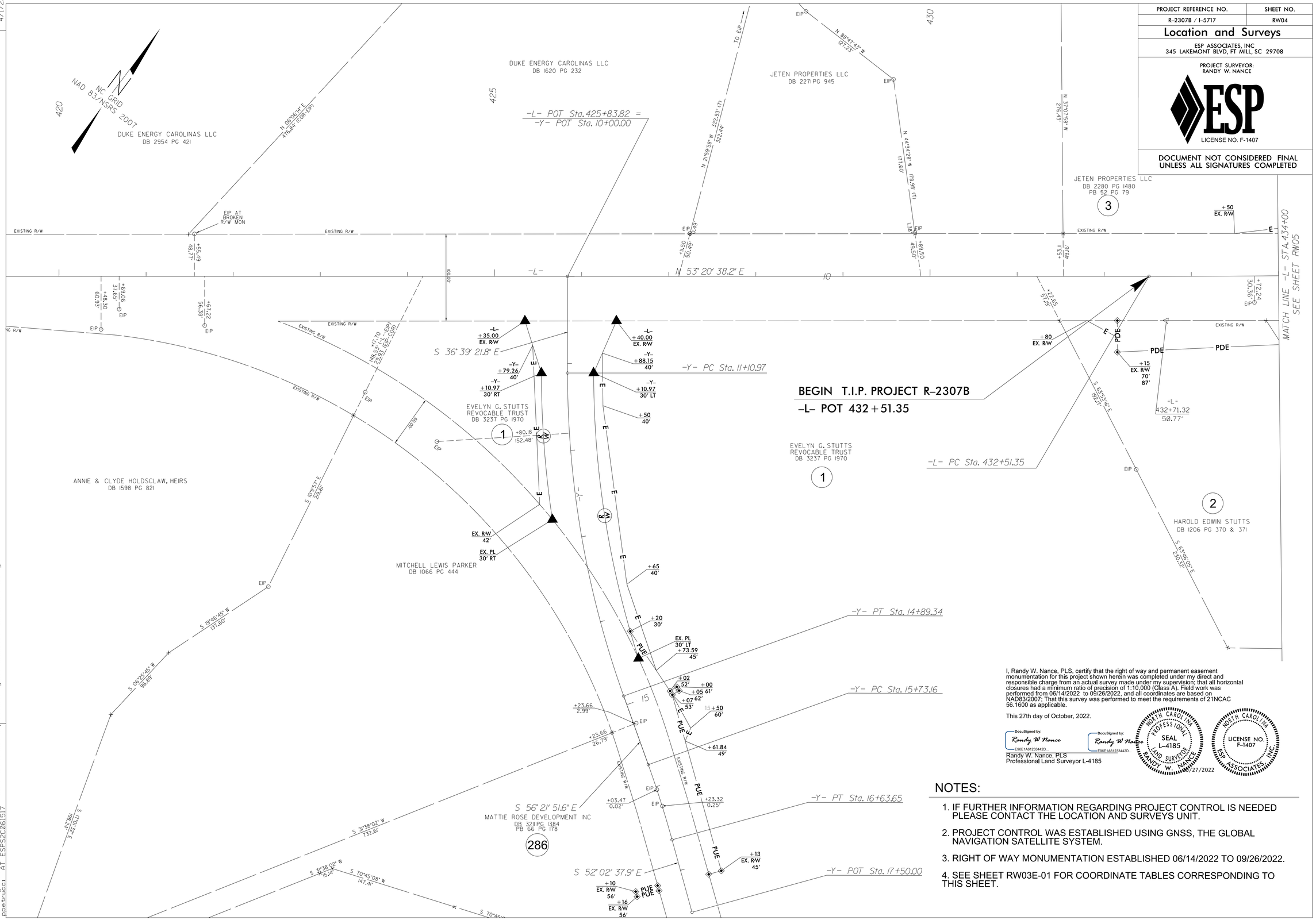
Location and Surveys

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

PROJECT SURVEYOR:
RANDY W. NANCE

ESP
LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



I, Randy W. Nance, 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 06/14/2022 to 09/26/2022, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 27th day of October, 2022.

DocuSigned by:
Randy W Nance
E96E1A612334442D...

DocuSigned by:
Randy W Nance
E96E1A612334442D...

Randy W. Nance, PLS
Professional Land Surveyor L-4185

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE 10/27/2022

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.

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 06/14/2022 TO 09/26/2022.
4. SEE SHEET RW03E-01 FOR COORDINATE TABLES CORRESPONDING TO THIS SHEET.

REVISIONS REVISIONS

4-18-2018REVISED EASEMENTS ON PARCEL 1.
9-19-2018REVISED DITCH AND EASEMENTS ON PARCEL 3 TO AVOID IMPACTS TO SIGN AND LIGHT POLES.
2-19-2020REVISED PROPERTY OWNER AND DEED BOOK DATA FOR PARCEL 1 (DBE).
2-5-2021COMBINED PARCEL 4 INTO PARCEL 2. (DBE)
2-24-2022 REVISED EASEMENTS ON PARCEL 1. ADDED PARCEL NUMBER AND PUE TO PARCEL 286. (DBE)

4/1/22

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PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW05

Location and Surveys

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

PROJECT SURVEYOR:
RANDY W. NANCE

ESP
LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Randy W. Nance, 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 06/14/2022 to 09/26/2022, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

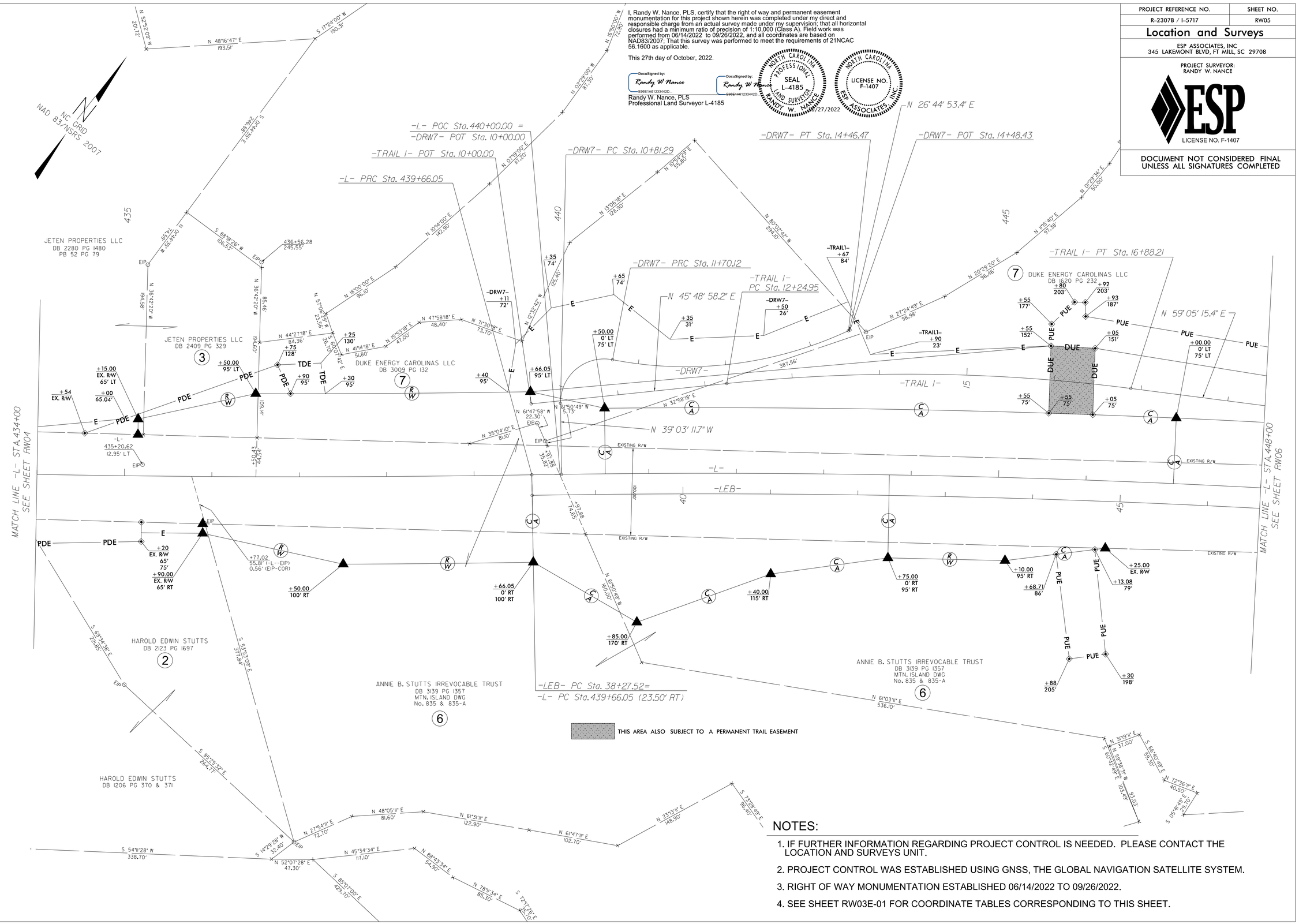
This 27th day of October, 2022.

DocuSigned by: Randy W Nance — E9E1A61233442D...
DocuSigned by: Randy W Nance — E9E1A61233442D...

Randy W. Nance, PLS
Professional Land Surveyor L-4185

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE — 10/27/2022

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.



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 06/14/2022 TO 09/26/2022.
4. SEE SHEET RW03E-01 FOR COORDINATE TABLES CORRESPONDING TO THIS SHEET.

REVISIONS

4-18-2018 REVISED EASEMENTS ON PARCELS 6 & 7.
9-19-2018 REVISED DITCH AND EASEMENTS ON PARCEL 3 TO AVOID IMPACTS WITH OTHER EASEMENT TYPES. (DBE)
11-13-2018 ADDED HATCHED SHADED AREA TO DISPLAY OVERLAP OF TRAIL EASEMENT TYPES. (DBE)
3-8-2021 COMBINED PARCEL 4 INTO PARCEL 2. COMBINED PARCEL 5 INTO PARCEL 3. (DBE)

8/13/21

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11/12/19

PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW06

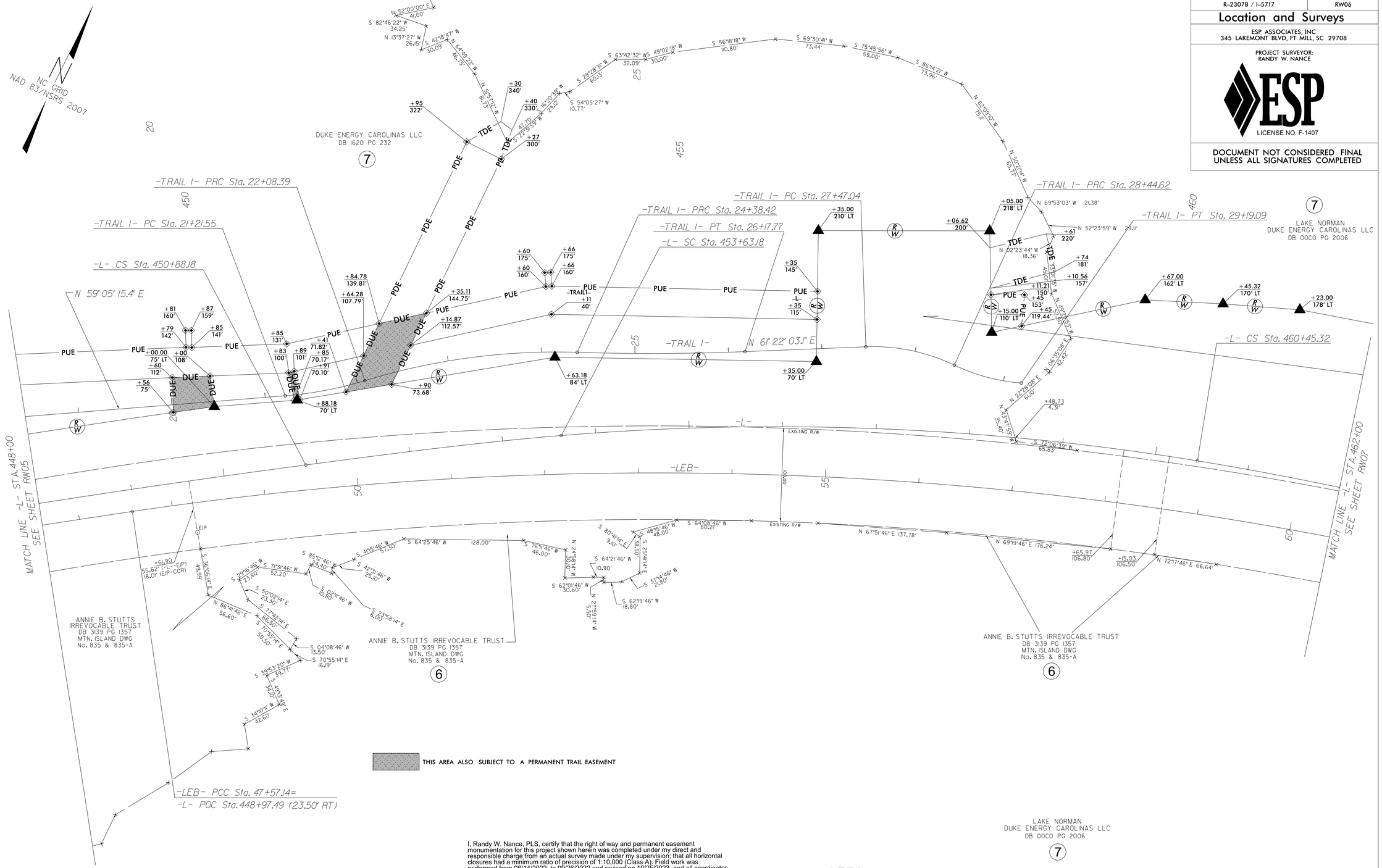
Location and Surveys

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

PROJECT SURVEYOR:
RANDY W. NANCE

ESP
LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



THIS AREA ALSO SUBJECT TO A PERMANENT TRAIL EASEMENT

LAKE NORMAN
DUKE ENERGY CAROLINAS LLC
DB 0000 PG 2006
7

I, Randy W. Nance, 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 06/14/2022 to 09/26/2022 and revised on 10/25/2023, and all coordinates are based on NAD83/2007. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 21th day of May, 2024.

DocuSigned by: Randy W Nance
E86E1861233442D...

DocuSigned by: Randy W Nance 5/21/2024
E86E1861233442D...

Randy W. Nance, PLS
Professional Land Surveyor L-4185

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.

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 06/14/2022 to 09/26/2022 AND REVISED ON 10/25/2023.
4. SEE SHEET RW03E-01 FOR COORDINATE TABLES CORRESPONDING TO THIS SHEET.

REVISIONS

4-18-2018 REVISED EASEMENTS ON PARCEL 7.
11-13-2018 ADDED HATCHED SHADED AREA TO DENOTE OVERLAP OF PTE WITH OTHER EASEMENT TYPES. (DBE)
8-17-2023 REVISED R/W AND EASEMENTS ON PARCEL 7. (DBE)

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PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW07

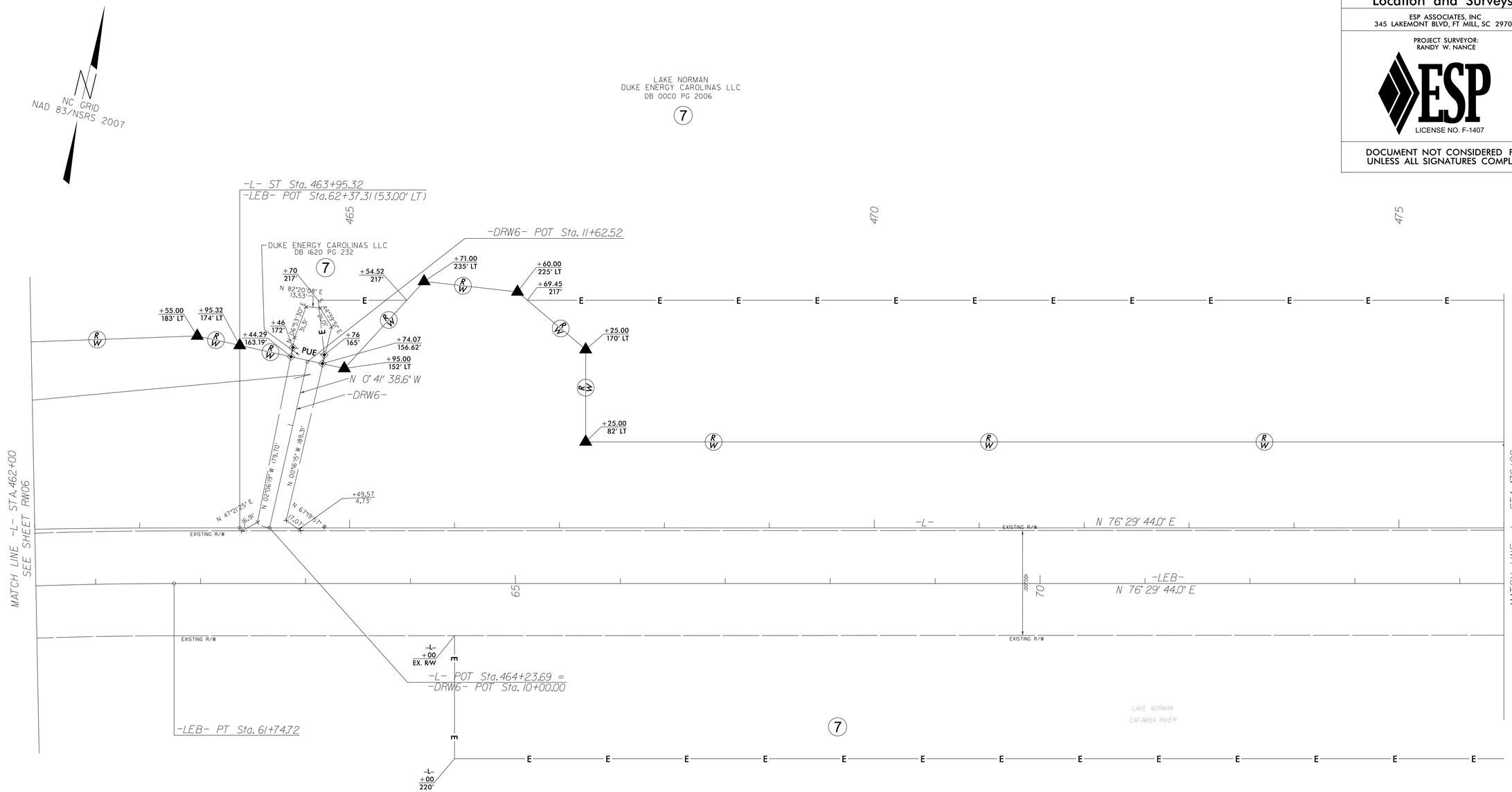
Location and Surveys

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

PROJECT SURVEYOR:
RANDY W. NANCE

ESP
LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



REVISIONS

4-18-2018 REVISED EASEMENTS ON PARCEL 7.

I, Randy W. Nance, 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 06/14/2022 to 09/26/2022 and revised on 10/25/2023, and all coordinates are based on NAD83/2007. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 26th day of October, 2023.

DocuSigned by: Randy W Nance
E96E1A612334420...

DocuSigned by: Randy W Nance
E96E1A612334420...

Randy W. Nance, PLS
Professional Land Surveyor L-4185

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE 10/26/2023

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.

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 06/14/2022 to 09/26/2022 AND REVISED ON 10/25/2023.
4. SEE SHEET RW03E-02 FOR COORDINATE TABLES CORRESPONDING TO THIS SHEET.

26-OCT-2023 16:38
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petrucci AT ESP5206517

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PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW08

Location and Surveys

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

PROJECT SURVEYOR:
RANDY W. NANCE

ESP
LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Randy W. Nance, 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 06/14/2022 to 09/26/2022 and revised on 10/25/2023, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

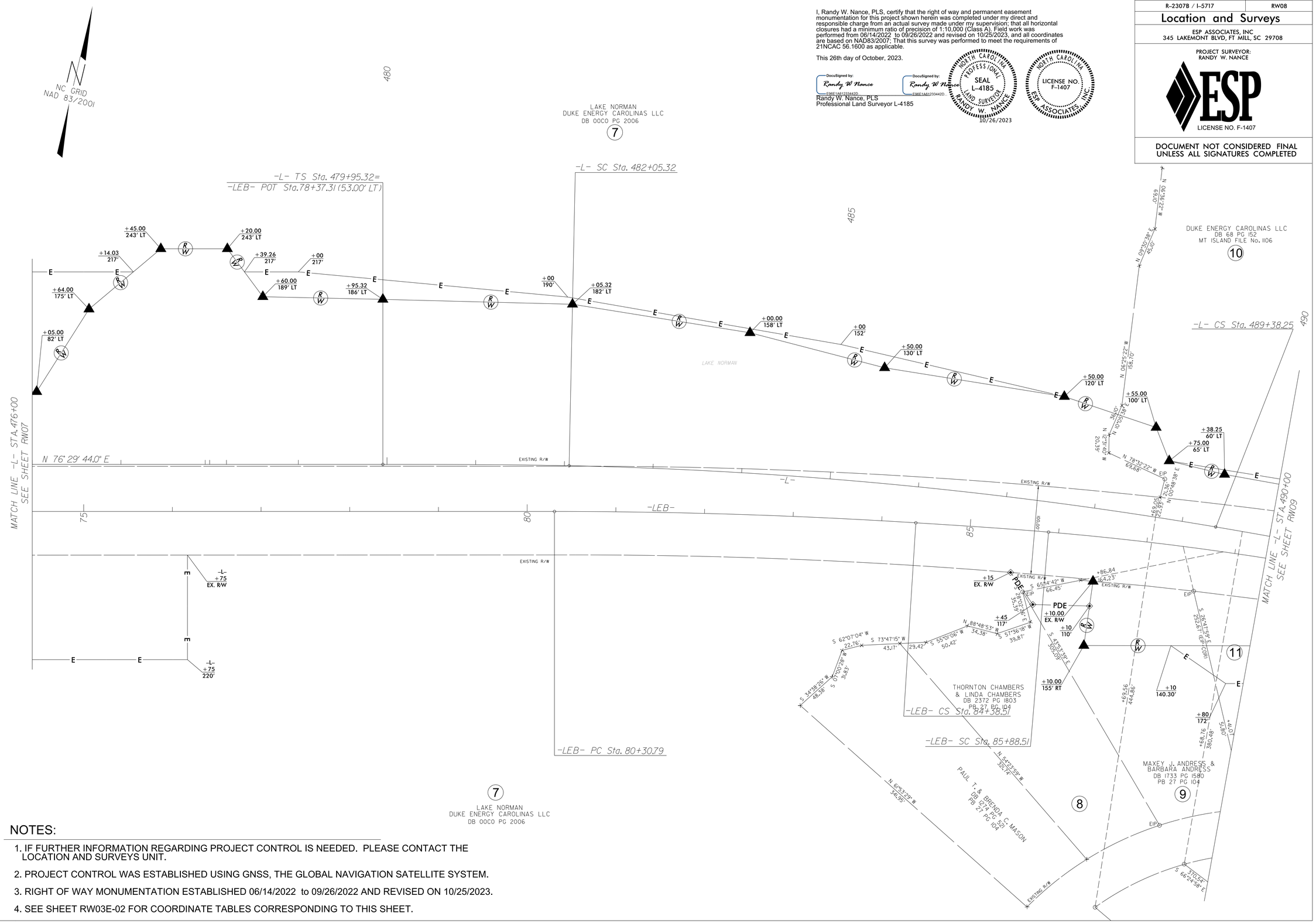
This 26th day of October, 2023.

DocuSigned by: Randy W Nance — E96E1A61233442D...
DocuSigned by: Randy W Nance — E96E1A61233442D...

Randy W. Nance, PLS
Professional Land Surveyor L-4185

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE 10/26/2023

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.



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 06/14/2022 to 09/26/2022 AND REVISED ON 10/25/2023.
4. SEE SHEET RW03E-02 FOR COORDINATE TABLES CORRESPONDING TO THIS SHEET.

REVISIONS

4-18-2018 REVISED EASEMENTS ON PARCEL 7.
2-25-2019 (AWAITING RDU APPROVAL) UPDATED PLANIMETRICS FOR PARCELS 8 & 9. (DBE)

11/12/19

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PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW09

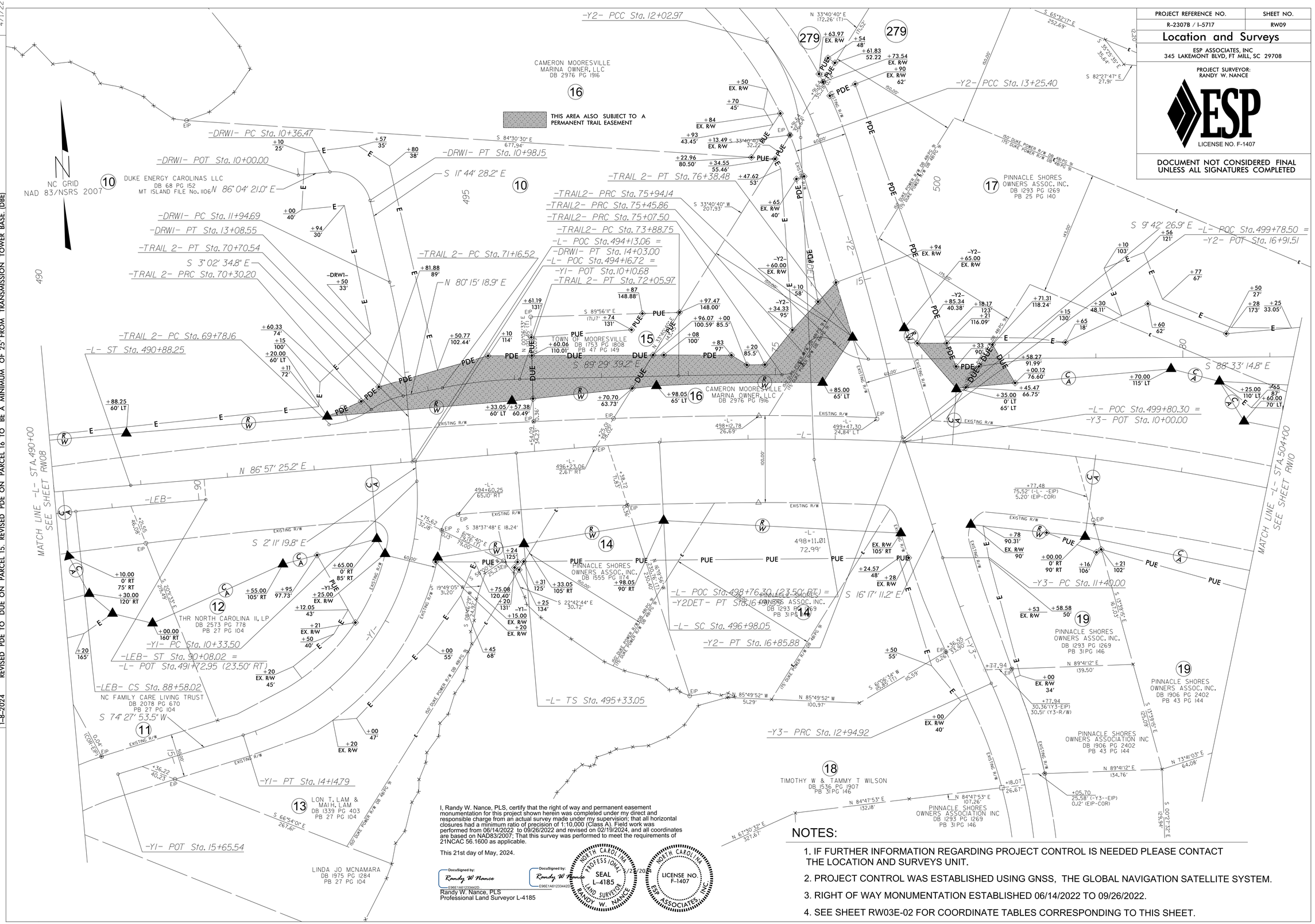
Location and Surveys

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

PROJECT SURVEYOR:
RANDY W. NANCE

ESP
LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



I, Randy W. Nance, 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 06/14/2022 to 09/26/2022 and revised on 02/19/2024, and all coordinates are based on NAD83/2007. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 21st day of May, 2024.

DocuSigned by: Randy W Nance
E96E1A812334423...
Randy W. Nance, PLS
Professional Land Surveyor L-4185

DocuSigned by: Randy W Nance
E96E1A812334423...
5/21/2024

NORTH CAROLINA PROFESSIONAL LAND SURVEYOR SEAL L-4185 RANDY W. NANCE

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.

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 06/14/2022 TO 09/26/2022.
4. SEE SHEET RW03E-02 FOR COORDINATE TABLES CORRESPONDING TO THIS SHEET.

REVISIONS

4-18-2018	REVISED EASEMENTS ON PARCELS 10, 13, 19, 278 & 279.
11-13-2018	RENUMBERED PARCEL 278 TO 16. ADDED HATCHED SHADED AREA TO DENOTE OVERLAP OF PTE WITH OTHER EASEMENT TYPES. (DBE)
12-18-2018	REVISED PROPERTY OWNER AND DEED BOOK DATA FOR PARCEL 12 (DBE).
8-5-2019	REVISED EASEMENTS ON PARCEL 14 FOR DUKE POWER. RENUMBERED PARCEL 17 ON THE SOUTH SIDE OF NC 150 AND WEST OF HIGH HILLS RD. TO 14. RENUMBERED PARCEL 17 ON THE SOUTH SIDE OF NC 150 AND EAST OF HIGH HILLS DR. TO 19. (DBE)
10-10-2019	RENUMBERED PARCEL 278 TO 16. (DBE)
1-16-2020	REVISED PROPERTY OWNER AND DEED BOOK DATA FOR PARCEL 12 (DBE).
3-24-2021	REMOVED EASEMENTS ON PARCELS 10 & 17. REVISED PUE TO PDE ON PARCEL 17 ADJACENT -Y2- REVISED PUE ON PARCELS 15, 16, 19 & 279. ADDED OWNER AND DEED BOOK DATA FOR PARCEL 279.(DBE)
10-10-2023	REVISED PDE ON PARCEL 10. (DBE)
1-8-2024	REVISED PDE TO DUE ON PARCEL 15. REVISED PDE ON PARCEL 16 TO BE A MINIMUM OF 25' FROM TRANSMISSION TOWER BASE. (DBE)

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PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW10

Location and Surveys

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

PROJECT SURVEYOR:
RANDY W. NANCE

ESP
LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Randy W. Nance, 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 06/14/2022 to 09/26/2022, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 21st day of May, 2024.

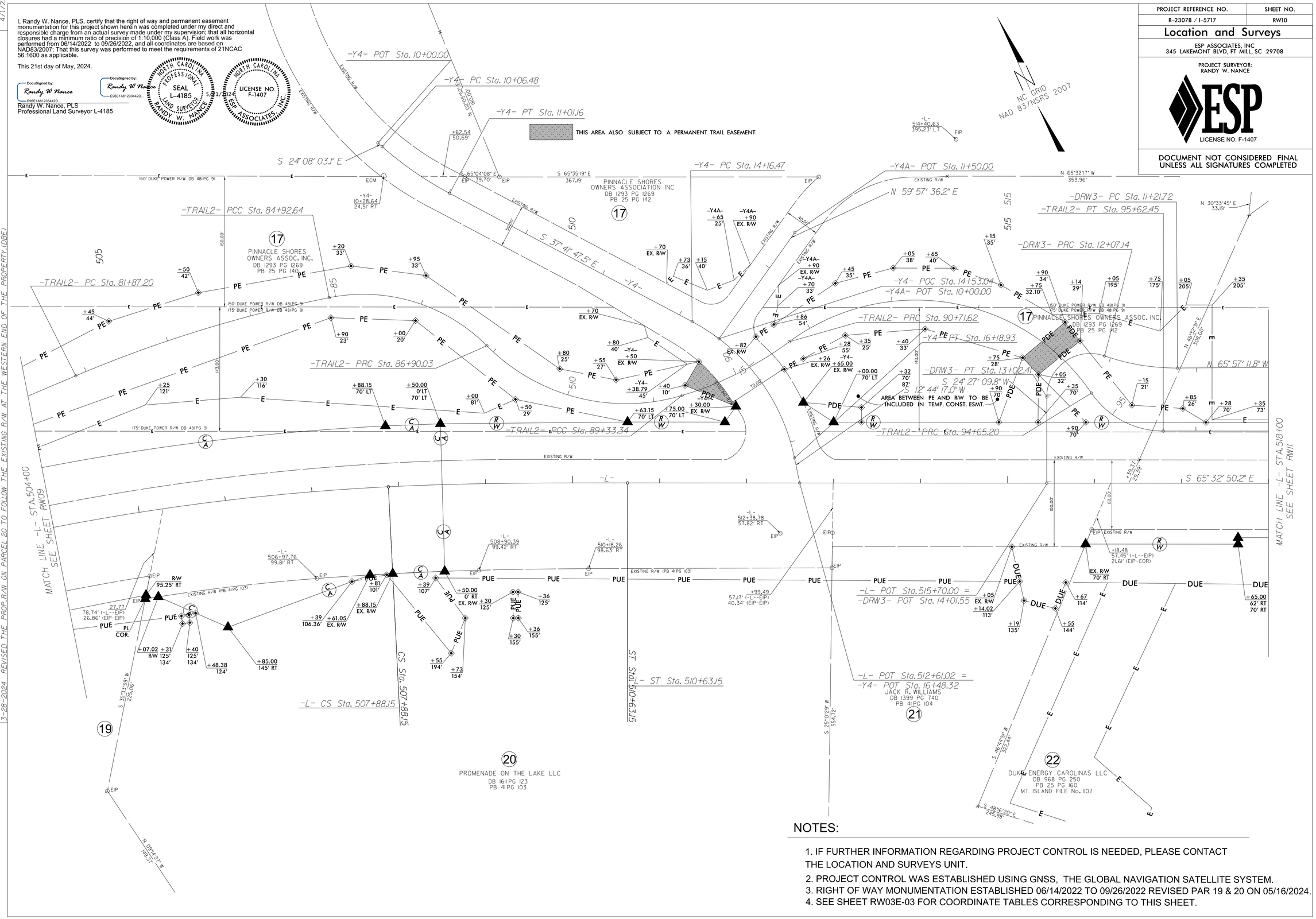
DocuSigned by: Randy W Nance
E96E1A612334420...

DocuSigned by: Randy W Nance
E96E1A612334420...

Randy W. Nance, PLS
Professional Land Surveyor L-4185

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.



REVISIONS

4-18-2018	REVISED EASEMENTS ON PARCELS (7,19 & 20-22)
11-13-2018	ADDED HATCHED AREA TO DEPICT OVERLAP OF PTE WITH OTHER EASEMENT TYPES.(DBE)
4-11-2019	UPDATED EXISTING R/W LINES AND REVISED PROPOSED R/W LINES ON PARCEL 20.
3-8-2021	UPDATED SURVEYS ON PARCEL (7,DBE)
2-24-2022	REVISED PUES ON PARCELS (19 & 20,DBE)
3-22-2022	REMOVED AND/OR REVISED PUES ON LEFT SIDE OF -Y4- WITHIN DUKE TRANSMISSION EASEMENT TO CONST.EASEMENTS,PERMANENT EASEMENTS,AND PERMANENT DRAINAGE EASEMENTS.(DBE)
3-28-2024	REVISED THE PROP.R/W ON PARCEL 20 TO FOLLOW THE EXISTING R/W AT THE WESTERN END OF THE PROPERTY.(DBE)

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 06/14/2022 TO 09/26/2022 REVISED PAR 19 & 20 ON 05/16/2024.
4. SEE SHEET RW03E-03 FOR COORDINATE TABLES CORRESPONDING TO THIS SHEET.

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ppetrucci ATT ESPS22C06117

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8/13/21

I, Randy W. Nance, 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 06/14/2022 to 09/26/2022, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 27th day of October, 2022.

DocuSigned by: Randy W Nance
E96E7A61233442D...
DocuSigned by: Randy W Nance
C9B57A8123344 2D...

Randy W. Nance, PLS
Professional Land Surveyor L-4185

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE 10/27/2022

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.

PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW11

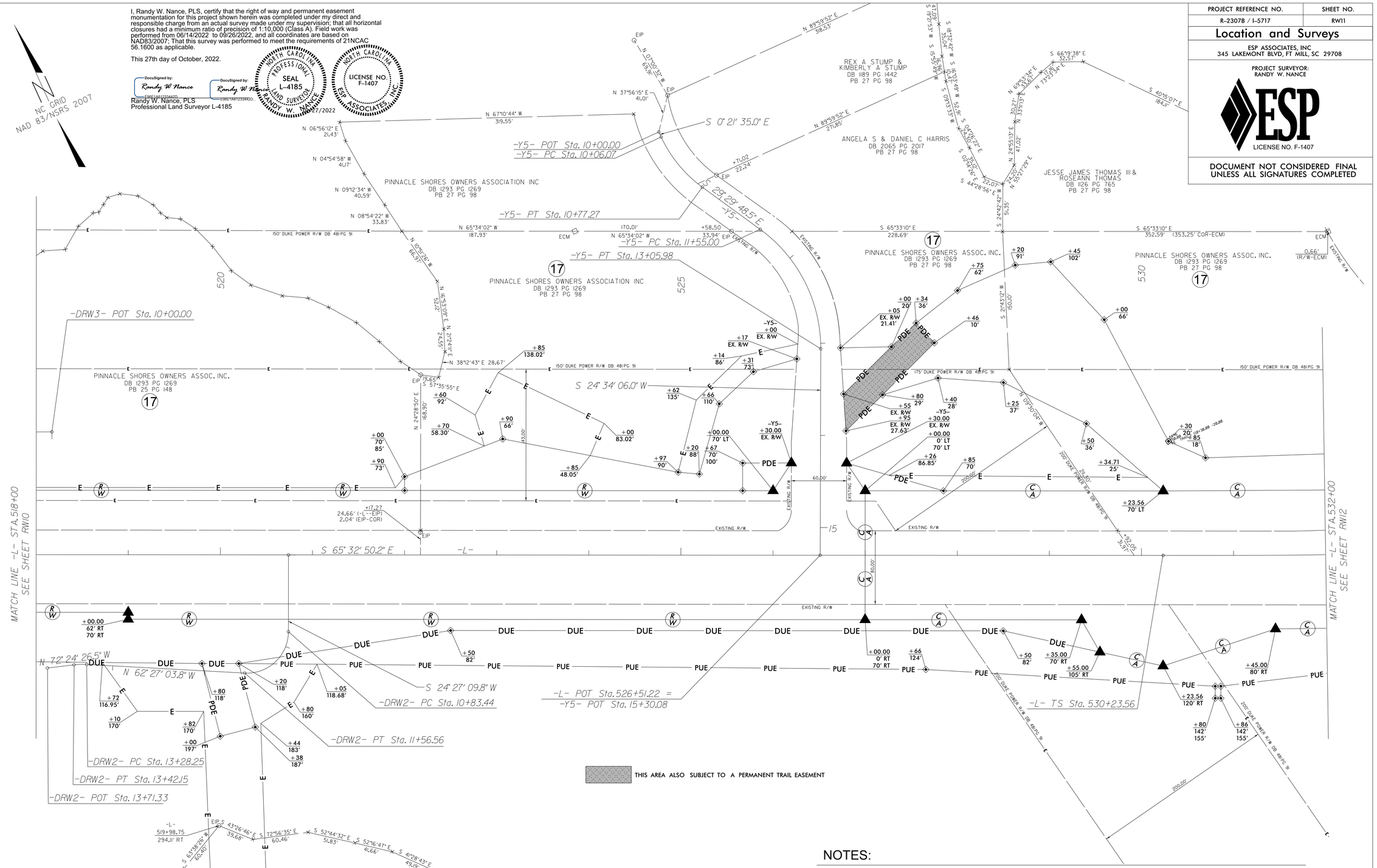
Location and Surveys

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

PROJECT SURVEYOR:
RANDY W. NANCE

ESP
LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



DUKE ENERGY CAROLINAS LLC
DB 968 PG 250
PB 25 PG 160
MT ISLAND FILE No. 1107
22

REVISIONS

4-18-2018 REVISED EASEMENTS ON PARCELS 17 & 22.
11-13-2018 ADDED HATCHED SHADED AREA TO DENOTE OVERLAP OF PTE WITH OTHER EASEMENT TYPES. (DBE)
3-8-2021 UPDATED SURVEYS ON PARCEL 17. (DBE)
2-24-2022 REMOVED PUES AND DUE FROM PARCEL 17. CHANGED PUE TO TCE ON PARCEL 17. (DBE)

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NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 06/14/2022 TO 09/26/2022.
4. SEE SHEET RW03E-03 FOR COORDINATE TABLES CORRESPONDING TO THIS SHEET.

DocuSign Envelope ID: DDD889E7-3034-4A1B-8277-56906FD8DC68

4/1/22

I, Randy W. Nance, 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 06/14/2022 to 09/26/2022, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 27th day of October, 2022.

DocuSigned by: Randy W Nance
E96E1A6123344 2D
Randy W. Nance, PLS
Professional Land Surveyor L-4185

DocuSigned by: Randy W Nance
E96E1A6123344 2D
10/27/2022

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.

PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW12

Location and Surveys

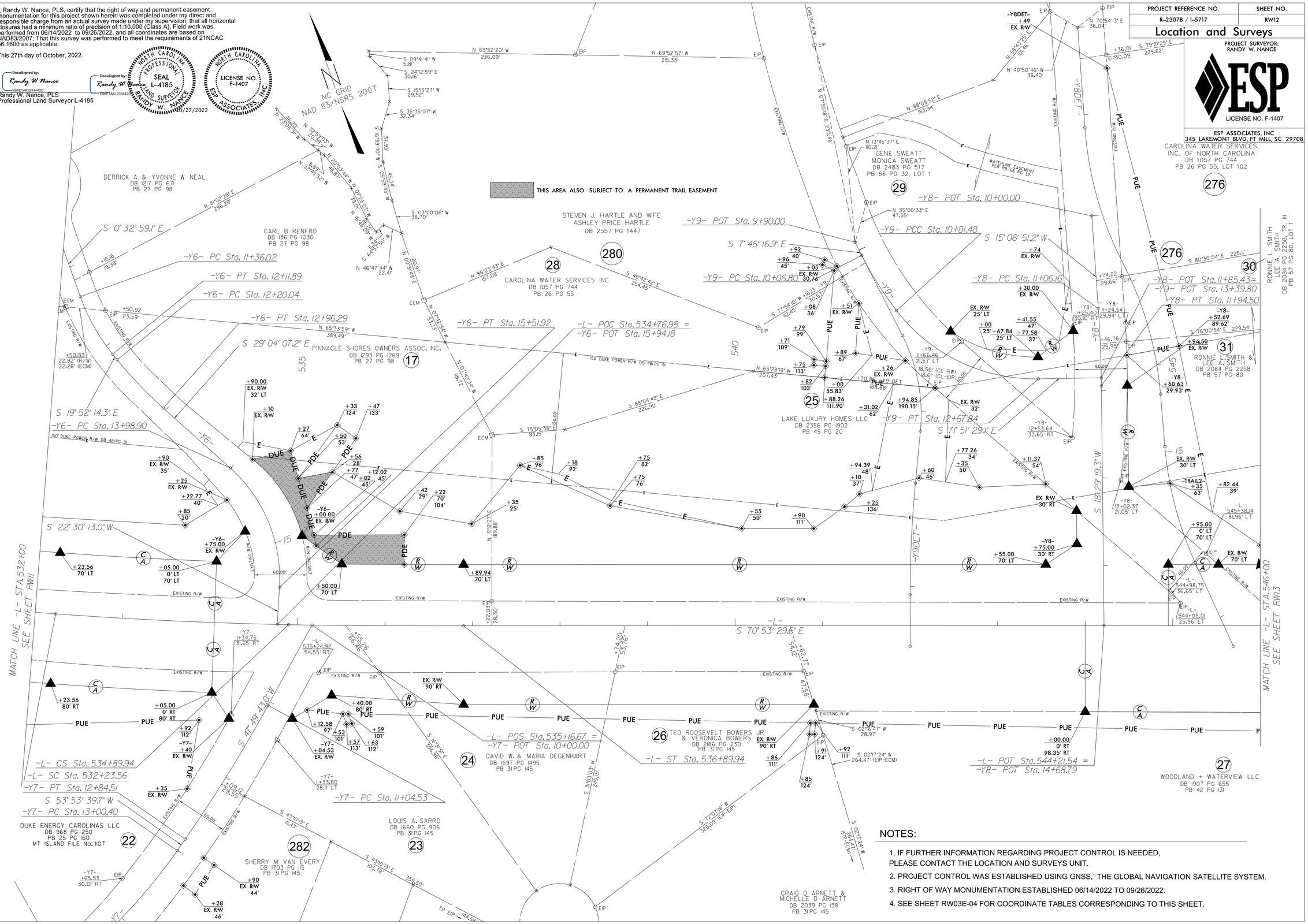
PROJECT SURVEYOR:
RANDY W. NANCE

ESP
LICENSE NO. F-1407

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

REVISIONS

4-18-2018 REVISED EASEMENTS ON PARCELS 17, 22-31, 276 & 280.
5-23-2018 REVISED EASEMENTS ON PARCELS 25, 30, 31 & 276.
10-9-2018 REVISED PROPERTY OWNER AND DEED BOOK DATA FOR PARCEL 280. (DBE)
11-13-2018 REVISED PARCEL 31 AS PARCEL 31 AND ADDED 31 SAME OWNER LINE. ADDED HATCHED SHADED AREA TO DENOTE OVERLAP OF PTE WITH OTHER EASEMENT TYPES. (DBE)
3-4-2019 RENUMBERED PARCEL 31 AS PARCEL 28, ADDED 31 (DBE)
2-24-2022 ADDED PARCEL NUMBER 282. ADDED EASEMENT ON PARCEL 282. REMOVED PUES FROM DUKE TRANSMISSION EASEMENTS AND REVISED REMAINING EASEMENTS AS NECESSARY. (DBE)



NOTES:

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2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 06/14/2022 TO 09/26/2022.
4. SEE SHEET RW03E-04 FOR COORDINATE TABLES CORRESPONDING TO THIS SHEET.

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PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW13

Location and Surveys

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

PROJECT SURVEYOR:
RANDY W. NANCE

ESP
LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Randy W. Nance, 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 06/14/2022 to 09/26/2022, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

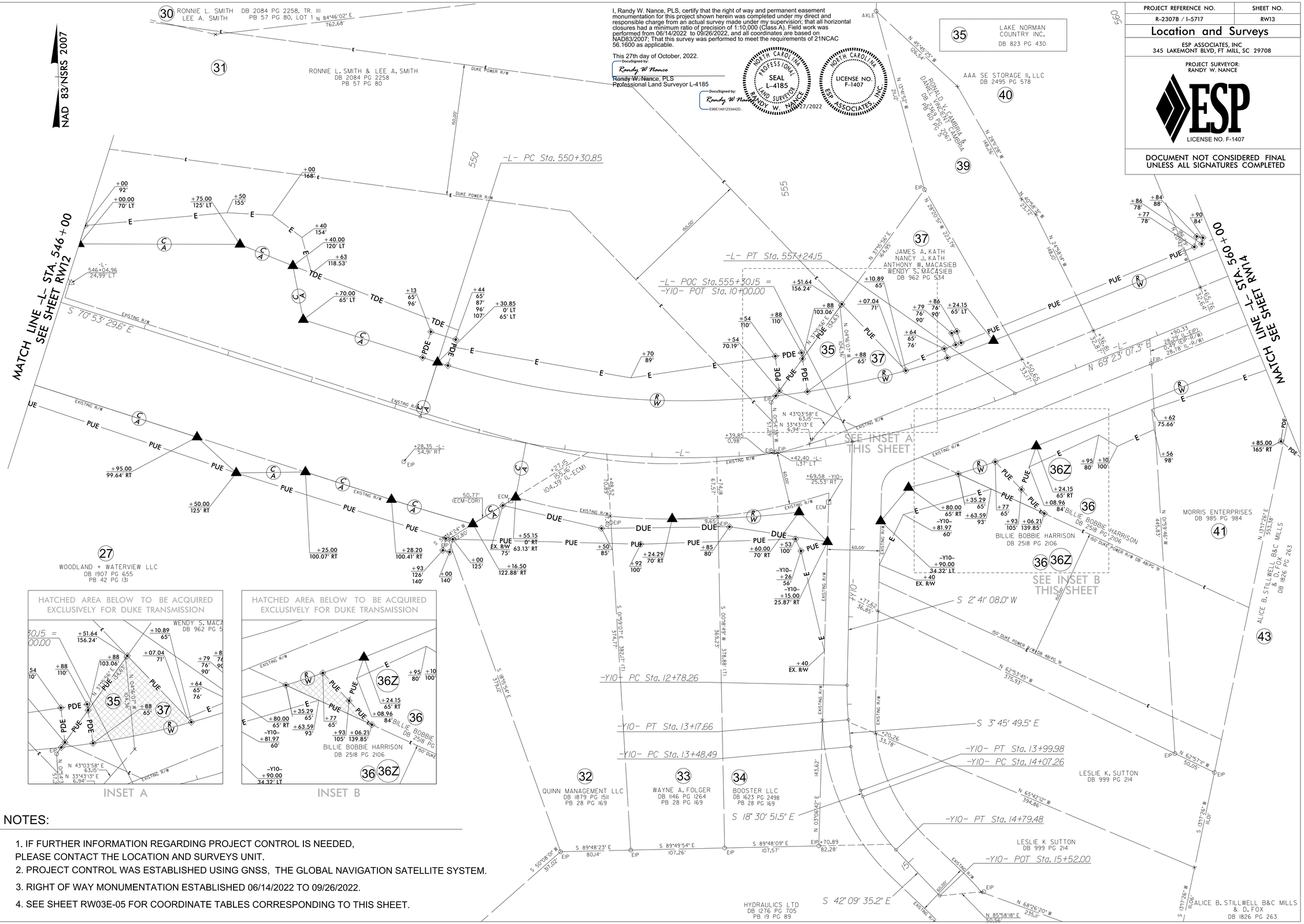
This 27th day of October, 2022.

DocuSigned by: Randy W Nance
Randy W. Nance, PLS
Professional Land Surveyor L-4185

DocuSigned by: Randy W Nance
E96E1A61233442D...

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE 10/27/2022

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.



NOTES:

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3. RIGHT OF WAY MONUMENTATION ESTABLISHED 06/14/2022 TO 09/26/2022.
4. SEE SHEET RW03E-05 FOR COORDINATE TABLES CORRESPONDING TO THIS SHEET.

REVISIONS

3-2-2018 REVISED EASEMENTS ON PARCELS 27, 32-34 & 36-40.
4-11-2019 ADDED DRIVEWAY AND REVISED EASEMENTS ON PARCEL 38. (DBE)
6-7-2019 REVISED PROPERTY OWNER AND DEED BOOK DATA FOR PARCEL 36. RENUMBERED PARCEL 38 TO 36.
REVISED PROPERTY OWNER AND DEED BOOK DATA FOR PARCEL 40. [DBE]
2-18-2020 REVISED RW AND EASEMENTS ON PARCELS 41 & 43. (DBE)
3-8-2021UPDATED SURVEYS ON PARCELS 30, 31 & 34. REVISED EASEMENTS ON PARCELS 35, 36 & 37. (DBE)
10-25-2021 ADDED INSET B DENOTING EASEMENT TO BE ACQUIRED EXCLUSIVELY FOR DUKE TRANSMISSION.
2-24-2022 REMOVED PUES FROM DUKE TRANSMISSION EASEMENTS AND REVISED REMAINING EASEMENTS ON PARCELS 31, 35 & 36. (DBE)

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PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW14

Location and Surveys

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

PROJECT SURVEYOR:
RANDY W. NANCE

ESP
LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Randy W. Nance, 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 04/01/2023 to 04/13/2023, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 18th day of April, 2023.

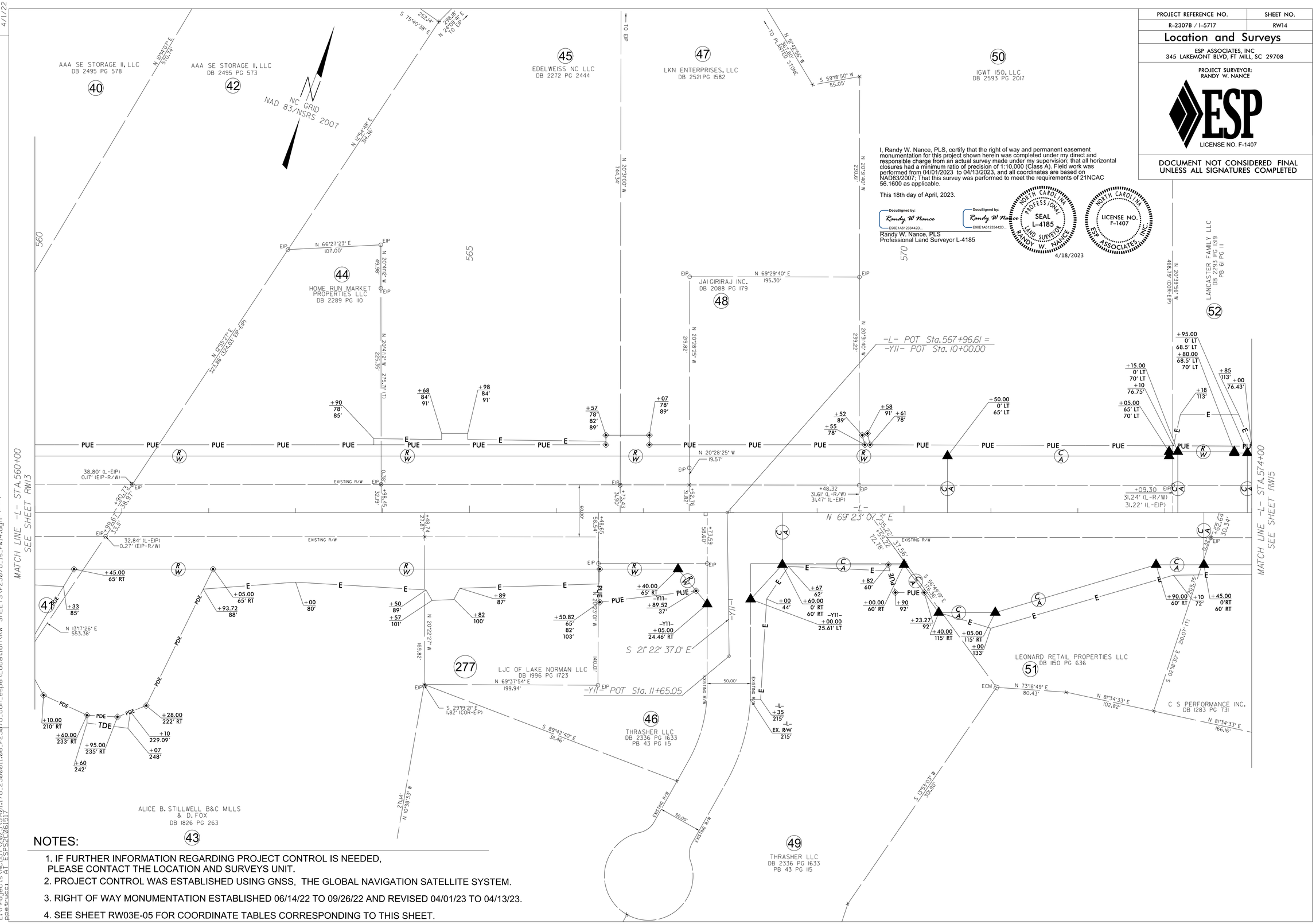
DocuSigned by: Randy W Nance — E96E1A812334420...

DocuSigned by: Randy W Nance — E96E1A812334420...

Randy W. Nance, PLS
Professional Land Surveyor L-4185

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE — 4/18/2023

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.



REVISIONS

9-26-2018 REVISED PROPERTY OWNER AND DEED BOOK DATA FOR PARCELS 47 & 50.
4-11-2019 REVISED PROPERTY LINE BETWEEN PARCELS 50 & 52. [DBE]
11-13-2018 ADDED PROPERTY OWNER AND DEED BOOK DATA FOR PARCELS 40 & 42. [DBE]
2-17-2020 REVISED RW AND EASEMENTS ON PARCELS 01 & 43. [DBE]
2-18-2020 REVISED RW AND EASEMENTS ON PARCELS 01 & 43. [DBE]
2-24-2022 UPDATED SURVEYS AND ADDED DRIVEWAY ON PARCEL 50. [DBE]
3-22-2022 ADDED DRIVEWAY AND CONSTRUCTION EASEMENT ON PARCEL 52. [DBE]
4-18-2018 REVISED EASEMENTS ON PARCELS 42, 44-50, 52 & 277.
11-13-2018 ADDED "DO NOT DISTURB" NOTE ON PARCEL 47. [DBE]
2-17-2020 REVISED PROPERTY OWNER AND DEED BOOK DATA FOR PARCELS 40 & 42. [DBE]
2-18-2020 REVISED RW AND EASEMENTS ON PARCELS 01 & 43. [DBE]
2-24-2022 UPDATED SURVEYS AND ADDED DRIVEWAY ON PARCEL 50. [DBE]
3-22-2022 ADDED DRIVEWAY AND CONSTRUCTION EASEMENT ON PARCEL 52. [DBE]
BEYOND. DRIVEWAY AND ADDED ASSOCIATED DRAINAGE. [DBE]
4/1/22

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 06/14/22 TO 09/26/22 AND REVISED 04/01/23 TO 04/13/23.
4. SEE SHEET RW03E-05 FOR COORDINATE TABLES CORRESPONDING TO THIS SHEET.

18-APR-2023 17:34
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PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW15

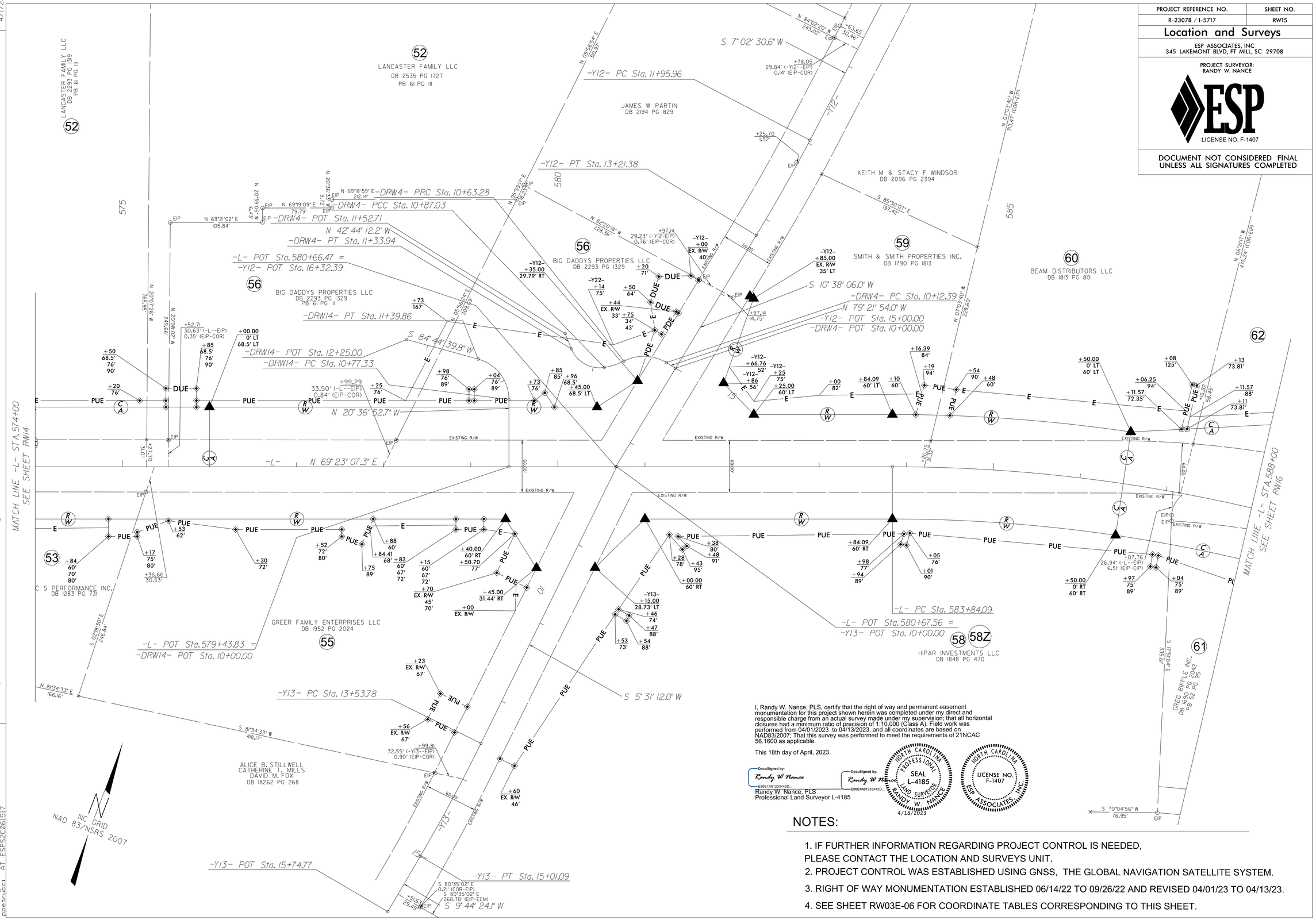
Location and Surveys

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

PROJECT SURVEYOR:
RANDY W. NANCE

ESP
LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



I, Randy W. Nance, 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 04/01/2023 to 04/13/2023, and all coordinates are based on NAD83/2007. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 18th day of April, 2023.

DocuSigned by:
Randy W Nance
E96E1A6123342D...
Randy W. Nance, PLS
Professional Land Surveyor L-4185

DocuSigned by:
Randy W Nance
E96E1A6123342D...

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE
4/18/2023

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.

NOTES:

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2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED 06/14/22 TO 09/26/22 AND REVISED 04/01/23 TO 04/13/23.
4. SEE SHEET RW03E-06 FOR COORDINATE TABLES CORRESPONDING TO THIS SHEET.

REVISIONS

4-18-2018 REVISED EASEMENTS ON PARCELS 52-62.
4-11-2019 REVISED PROPERTY LINES AND DEED BOOK INFO FOR PARCELS 52 AND 56. DELETED PARCEL NUMBERS 54 & 57. (DBE)
8-5-2019 REVISED EASEMENTS ON PARCELS 55 & 58Z FOR DUKE ENERGY. (DBE)
12-2-2019 REVISED EASEMENTS ON PARCELS 53 & 58Z. (DBE)
3-22-2022 REMOVED DRIVEWAY, ADJUSTED DRAINAGE REMOVED CONSTRUCTION EASEMENT & ADDED DUE AT -L- STA 575+50 LT, EXTENDED WEST BOUND TURN LANE AND MEDIAN ISLAND TO THE EAST AND ADDED ASSOCIATED DRAINAGE RELOCATED DRIVEWAY PREVIOUSLY AT -L- 578+80 LT TO 579+40 AND REVISED ASSOCIATED DRAINAGE AND CONSTRUCTION EASEMENT. (DBE)

18-APR-2023 17:34
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PROJECT REFERENCE NO.	SHEET NO.
R-2307B / I-5717	RW16

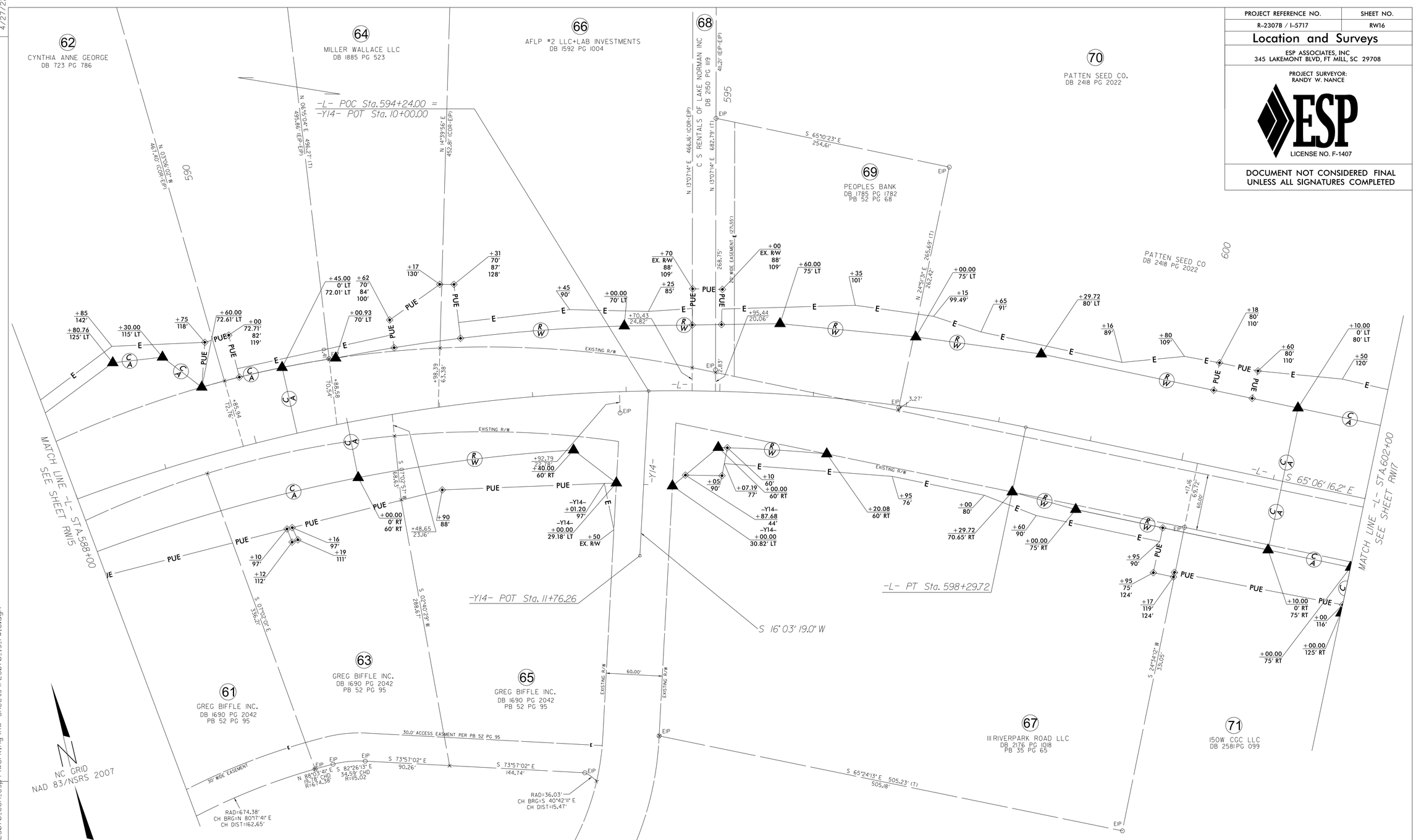
Location and Surveys

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

PROJECT SURVEYOR:
RANDY W. NANCE

ESP
LICENSE NO. F-1407

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



I, Randy W. Nance, 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 06/14/2022 to 09/26/2022, and all coordinates are based on NAD83/2007; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 27th day of October, 2022.

DocuSigned by:
Randy W Nance
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DocuSigned by:
Randy W Nance
E96E1A612334420...

Randy W. Nance, PLS
Professional Land Surveyor L-4185

NORTH CAROLINA PROFESSIONAL SEAL L-4185 LAND SURVEYOR RANDY W. NANCE

NORTH CAROLINA LICENSE NO. F-1407 ESP ASSOCIATES, INC.

7/2022

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 06/14/2022 TO 09/26/2022.
4. SEE SHEET RW03E-07 FOR COORDINATE TABLES CORRESPONDING TO THIS SHEET.

REVISIONS

4-18-2018 REVISED EASEMENTS ON PARCELS 61-69.
9-19-2018 REVISED PROPERTY OWNER NAME FOR PARCEL 71.
10-9-2018 REVISED PROPERTY OWNER AND DEED BOOK DATA FOR PARCELS 63 & 65. UPDATED SURVEYS, REVISED SLOPE STAKES, EASEMENTS,
4-11-2019 UPDATED EX EASEMENT AND PROPERTY LINES FOR PARCELS 63 & 65. (DBE)
AND DRIVEWAY FOR PARCEL 70. (DBE)
6-7-2019 REVISED PROPERTY OWNER AND DEED BOOK DATA FOR PARCEL 70. (DBE)
3-8-2021 REVISED PROPERTY LINES FOR PARCELS 67 & 71. (DBE)

26-OCT-2022 23:55
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4/27/22