6/2/99

REVISIONS

PERMANENT EASEMENT CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-5021	RW03E-3

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

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4706 LAND SURVEYOR DONALD E. THOMAS

I , Donald E. Thomas, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed from 01/06/2020 to 04/24/2020, and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 24th day of April , 2020.

Donald E. Thomas

Professional Land Surveyor L-4706

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	48+20.19	-50.00	82828.6040	2260757.0052
L	48+48.94	-79.11	82848.9841	2260792.4731
L	48+50.68	-156.00	82922.6296	2260814.6399
L	55+00.00	-138.00	82750.6033	2261435.0764
L	60+51.00	-130.00	82602.1291	2261971.0163
L	65+45.00	-130.00	82470.1872	2262447.0702
L	66+10.00	-130.00	82452.8265	2262509.7089
L	66+10.00	-162.00	82483.6640	2262518.2558
L	66+23.00	-162.00	82480.1918	2262530.7835
L	66+85.00	-80.00	82384.6112	2262568.6299
L	66+85.00	-100.00	82403.8846	2262573.9716
L	70+09.75	-100.00	82317.1475	2262886.9241
L	70+13.75	-136.25	82351.0123	2262900.4608
L	70+35.00	-80.00	82291.1301	2262905.9150
L	70+35.00	-100.00	82310.4035	2262911.2568
L	70+35.00	-136.27	82345.3517	2262920.9430
L	71+35.00	-80.00	82264.4212	2263002.2822
L	71+35.00	-100.00	82283.6946	2263007.6240
L	74+30.56	110.00	82002.3816	2263236.3624
L	74+73.00	-80.00	82174.1452	2263328.0033
L	74+73.00	-100.00	82193.4186	2263333.3451
L	74+93.00	-100.00	82188.0768	2263352.6185
L	74+93.00	-80.00	82168.8034	2263347.2768
L	76+73.68	-166.57	82203.9734	2263544.5199
L	76+77.12	-155.12	82192.0168	2263544.7682
L	76+80.53	-100.00	82137.9890	2263533.3384
L	77+02.14	110.00	81929.8480	2263498.0676
L	77+26.86	-166.33	82189.5376	2263595.7018
L	83+40.00	-120.00	81981.1260	2264174.1904
L	86+99.71	136.21	81638.1491	2264452.4020
L	87+05.00	141.00	81632.1202	2264456.2205
L	87+15.56	128.00	81641.8268	2264469.8714
L	88+37.75	-120.00	81848.1818	2264653.8605
L	88+50.00	120.00	81613.6294	2264601.5618
L	88+50.00	105.90	81627.2211	2264605.3288
L	90+38.10	-77.31	81753.5321	2264835.5277
L	90+45.74	-67.00	81741.5555	2264840.1387
L	90+70.00	-51.00	81719.6577	2264859.2418
L	90+70.00	-67.00	81735.0765	2264863.5152
L	93+63.11	-67.00	81656.7890	2265145.9811
L	94+06.11	-110.00	81686.7421	2265198.9037
L	99+60.00	-90.00	81519.5318	2265727.3262
L	99+60.00	-110.00	81538.8053	2265732.6680
L	100+55.00	-90.00	81494.1584	2265818.8751
L	100+55.00	-100.00	81503.7951	2265821.5460
L	100+85.00	-100.00	81495.7825	2265850.4561
L	144+45.00	-90.00	80321.6382	2270049.3947
L	144+45.00	-110.00	80340.9117	2270054.7365
L	145+54.00	106.00	80103.6459	2270102.0855
L	145+54.00	126.00	80084.3724	2270096.7438
L	148+00.00	-110.00	80246.0951	2270396.8400
L	149+50.00	-122.00	80217.5970	2270544.5921
L	151+55.00	-122.00	80162.8435	2270742.1456
L	153+50.00	-115.00	80104.0141	2270928.1969
L	160+00.00	126.00	79698.1619	2271490.2133
L	160+50.00	-115.00	79917.0535	2271602.7615
L	161+00.00	-122.00	79910.4432	2271652.8205
L	168+00.00	-122.00	79723.4809	2272327.3907
L	170+00.00	126.00	79431.0730	2272453.8852
L	172+50.00	-116.00	79597.5087	2272759.4414
L	180+00.00	126.00	79163.9842	2273417.5571
L	186+00.00	-140.00	79260.0669	2274066.8083
L	190+00.00	126.00	78896.8953	2274381.2290
L	191+50.00	-140.00	79113.1678	2274596.8284
L	199+78.00	126.00	78635.6824	2275323.7001
L	203+50.00	-122.00	78775.3155	2275748.4258
L	204+87.64	-122.00	78738.5537	2275881.0645
L	205+47.64	-127.00	78727.3467	2275940.2203
L	210+45.43	126.00	78350.5827	2276352.3561
L	211+45.43	126.00	78323.8738	2276448.7233
L	212+50.00	-127.00	78539.7544	2276617.0643
L	214+17.00	-112.00	78480.6954	2276773.9912
L	214+53.00	-127.00	78485.5353	2276812.6897
L	217+47.90	126.00	78162.9618	2277029.3031
L	218+07.60	126.00	78147.0125	2277086.8365
L	218+09.00	-127.00	78390.4516	2277155.7569
L	218+63.00	-105.00	78354.8280	2277201.9192
L	220+40.00	115.00	78095.5455	2277313.7296
L	220+40.00	106.00	78104.2185	2277316.1334
L	220+71.17	126.00	78076.6199	2277340.8293
L	221+25.00	145.00	78043.9328	2277387.6290
L	221+69.33	126.00	78050.4016	2277435.4265
L	221+95.00	115.00	78054.1467	2277463.0987
L	221+95.00	106.00	78062.8198	2277465.5025
L	223+70.00	106.00	78016.0792	2277634.1451
L	224+20.00	126.00	77983.4513	2277676.9869
L	224+46.58	126.00	77976.3526	2277702.6013
L	225+30.00	105.85	77973.4871	2277787.8198
L	226+05.00	-120.00	78170.0002	2277922.0654
L	226+05.00	-90.00	78141.1822	2277913.7273
L	226+05.00	-105.77	78156.3304	2277918.1102
L	226+55.00	-120.00	78155.8633	2277970.5463
L	226+55.00	-105.00	78141.4718	2277966.3172
L	226+55.00	-90.00	78127.0003	2277962.0882
L	228+49.19	-105.00	78084.7257	2278153.8028
L	230+00.00	117.00	77828.3949	2278233.4459
L	233+05.80	-94.00	77947.3419	2278586.0390
L	233+54.50	-77.00	77917.9519	2278628.4304
L	233+54.50	-94.00	77934.3343	2278632.9709
L	236+34.00	94.00	77678.5127	2278852.1045
L	236+34.00	114.00	77659.2392	2278846.7627
L	237+95.06	-77.00	77800.2830	2279052.9868
L	243+23.54	118.00	77473.7520	2279513.7544
L	243+28.57	97.51	77492.3816	2279523.6760
L	250+00.00	126.00	77294.4296	2280163.0166
L	270+95.68	126.00	76734.6972	2282182.5629
L	271+70.68	160.00	76681.9007	2282245.7573
L	272+54.32	160.00	76659.5605	2282326.3620
L	273+29.32	126.00	76672.2937	2282407.7185
L	275+10.59	126.00	76623.8781	2282582.4048
L	275+15.00	106.00	76641.9745	2282591.9932
L	275+62.00	150.00	76587.0198	2282625.5339
L	276+10.00	150.00	76574.1995	2282671.7901
L	276+90.00	115.00	76586.5609	2282758.2320
L	278+50.00	115.00	76543.8267	2282912.4195
L	279+40.00	145.00	76490.8786	2282991.1373
L	280+15.00	115.00	76499.7570	2283071.4254
L	281+50.00	115.00	76463.7000	2283201.5211
L	282+50.00	140.00	76412.8994	2283291.2111
L	283+50.00	105.85	76419.1016	2283396.6998
L	283+50.00	115.00	76410.2823	2283394.2555
L	284+97.36	136.04	76350.6459	2283530.6445
L	285+00.00	105.73	76379.1545	2283541.2828
L	285+00.00	115.00	76370.2189	2283538.8063
L	285+45.66	160.19	76314.4762	2283570.7359
L	285+50.00	140.00	76332.7727	2283580.3126
L	288+00.00	130.00	76275.6372	2283823.9015
L	288+05.82	149.82	76255.2006	2283823.4489
L	288+50.00	105.45	76285.9440	2283878.6430
L	288+75.75	115.08	76269.7799	2283900.8826
L	288+75.75	105.43	76279.0858	2283903.4652
L	291+09.44	105.24	76216.8519	2284128.7124
L	291+95.00	120.00	76179.7738	2284207.2228
L	292+45.00	105.13	76180.7492	2284259.3780
L	293+63.07	105.03	76149.3063	2284373.1841
L	294+97.43	145.00	76074.9057	2284491.9911
L	294+98.18	135.00	76084.3415	2284495.3870
L	295+22.56	135.00	76077.8321	2284518.8732
L	295+24.56	104.90	76106.2992	2284528.8426
L	297+35.00	115.00	76040.3642	2284728.9410
L	298+50.00	130.00	75995.1939	2284835.7570
L	299+88.52	115.00	75972.6531	2284973.2465
L	303+75.00	-90.00	76066.9800	2285400.4443
L	303+80.00	135.00	75848.8184	2285345.1676
L	303+80.00	113.62	75869.4265	2285350.8793
L	304+06.69	145.00	75832.0532	2285368.2168
L	304+09.89	119.00	75856.4683	2285377.4716
L	305+00.00	-115.00	76057.6857	2285527.5805
L	308+42.34	110.06	75749.3700	2285797.3692
L	308+42.34	119.00	75740.7525	2285794.9808
L	308+42.34	200.00	75662.6951	2285773.3466
L	308+77.34	124.04	75726.5494	2285827.3638
L	308+77.34	200.00	75653.3470	2285807.0751
L	308+77.34	110.00	75740.0774	2285831.1131
L	309+09.87	130.00	75712.1144	2285857.1239
L	310+22.50	-123.00	75924.8186	2286034.6577
L	310+80.00	110.00	75685.0700	2286023.6436
L	311+32.07	130.44	75650.5880	2286066.5758
L	311+70.00	145.00	75625.6080	2286097.6775
L	312+11.50	130.52	75627.0437	2286140.7982
L	312+50.00	-115.00	75848.5509	2286253.4498
L	312+68.77	130.00	75610.0562	2286194.3163
L	314+94.96	147.00	75522.5496	2286403.7378
L	315+16.50	-100.00	75750.3843	2286501.5520
L	315+32.00	-115.00	75759.9137	2286520.7020
L	315+90.00	-115.00	75742.5327	2286574.9825
L	315+90.00	-100.00	75728.2273	2286570.4706
L	316+26.55	144.00	75484.3941	2286532.7169
L	317+00.00	143.00	75463.5702	2286604.8182
L	317+00.00	-115.00	75710.8739	2286678.3360
L	317+72.79	-115.00	75690.8677	2286747.0102
L	318+83.95	-111.64	75658.0676	2286852.2561
L	319+41.61	95.00	75443.5311	2286852.8165
L	320+50.00	-105.00	75607.4498	2287010.5475
L	320+50.00	-94.86	75597.6756	2287007.8475
L	322+62.11	-100.00	75546.1508	2287213.6719
L	323+98.40	-100.00	75509.8628	2287345.0349
L	324+08.40	-110.00	75516.8391	2287357.3366
L	324+15.00	-110.00	75515.0807	2287363.7018
L	324+15.00	-95.00	75500.6222	2287359.7077
L	324+45.00	-110.00	75507.0926	2287392.6187
L	324+45.00	-95.00	75492.6341	2287388.6247
L	324+45.00	-120.00	75516.7316	2287395.2814
L	329+30.50	-110.00	75377.8185	2287860.5914
L	333+55.00	-98.95	75254.1348	2288266.8238
L	348+70.00	84.05	74674.3421	2289678.4025
L	349+25.00	105.80	74638.7347	2289725.6262
L	350+00.00	115.00	74609.8954	2289795.4685
L	351+70.00	-73.00	74745.8424	2290009.3901
L	352+80.00	115.00	74535.3398	2290065.3601
L	353+57.83	-105.23	74726.9002	2290199.0193
L	354+55.00	-83.00	74679.5944	2290286.7638
L	355+50.00	-83.00	74654.2987	2290378.3342
L	355+91.75	-90.00	NOT SET_IN PEDESTAL	
L	357+41.00	102.00	74425.1199	2290513.1788
L	357+41.00	97.00	74429.9394	2290514.5102
L	358+71.44	99.00	74393.2794	2290639.7085
L	358+72.38	94.00	74397.8486	2290641.9459
L	359+43.62	-90.00	74556.2375	2290759.6052
L	360+15.00	94.97	74358.9420	2290779.1599
L	361+27.29	115.00	74309.6271	2290880.5265
L	361+38.88	-95.00	74508.0433	2290950.2804
L	365+00.00	115.00	74197.6479	2291229.0200
L	365+00.64	-111.04	74410.5532	2291304.9440
L	365+02.16	-95.00	74394.9178	2291301.0564
L	365+22.77	-109.37	74401.4493	2291325.5964
L	365+52.00	-125.00	74406.0761	2291358.8849
L	365+69.02	-126.20	74401.2690	2291375.5960
L	365+77.00	-150.00	74420.8184	2291391.4344
L	366+17.20	-149.10	74405.6945	2291429.6911
L	367+00.00	130.00	74115.3660	2291407.7754
L	368+05.00	140.00	74068.0703	2291499.6084
L	368+05.00	130.00	74077.3317	2291503.3800
L	369+00.00	-150.00	74299.3336	2291698.7352
L	369+00.00	140.00	74032.3838	2291585.4313
L	370+00.00	128.00	74004.4367	2291680.0540
L	370+18.24	-129.28	74232.1300	2291801.2214
L	370+30.32	-143.65	74240.2118	2291818.3482
LREV	373+21.50	123.92	73870.3668	2291955.9646
LREV	373+25.75	193.25	73808.6613	2291924.0995
LREV	373+40.64	-134.50	74082.6021	2292104.6314
LREV	374+31.25	151.75	73791.0043	2292031.5869
LREV	374+31.25	186.00	73762.0027	2292013.3669
LREV	374+60.25	115.00	73806.6956	2292075.6930

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.