Docusign Envelope ID: AC43E178-C940-4473-883C-BB03A920908A

6/2/24

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
U-4758	RW02C-8

Location and Surveys

Stantec
ONE WEST FOURTH ST., SUITE 820
WINSTON SALEM, N.C. 27101
LICENSE NO.: F-0672
www.stantec.com

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-3834 LAND SURVEYOR CLINTON B. OSBORNE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

EL

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	832865.628	1698769.205							
CURVE			N 07°49'22.5" W	717.26	34°33'22.9"(LT)	04°44'42.5"	728.25	375.58	1207.46
PT	833576.191	1698671.578							
LINE			N 25°06'03.9" W	195.81					
PC	833753.506	1698588.513							
CURVE			N 25°58'56.2" W	246.07	01°45'44.6"(LT)	00°42'58.3"	246.08	123.05	8000.00
PT	833974.703	1698480.713							
LINE			N 26°51'48.5" W	43.35					
PC	834013.377	1698461.123							
CURVE			N 24°07'52.3" W	273.13	05°27'52.5"(RT)	02°00'00.0"	273.23	136.72	2864.79
PT	834262.634	1698349.462							
LINE			N 21°23'56.1" W	106.81					
PC	834362.077	1698310.494							
CURVE			N 19°42'41.6" W	263.13	03°22'29.0"(RT)	01°16'56.3"	263.17	131.62	4468.14
PCC	834609.792	1698221.742							
CURVE			N 11°55'07.0" W	161.67	12°12'40.2"(RT)	07°32'20.1"	161.97	81.30	760.00
PCC	834767.976	1698188.354							
CURVE			N 00°12'58.7" W	121.91	11°11'36.5"(RT)	09°10'02.4"	122.10	61.25	625.00
PCC	834889.883	1698187.894							
CURVE			N 08°35'26.7" E	123.20	06°25'14.2"(RT)	05°12'31.3"	123.27	61.70	1100.00
PCC	835011.703	1698206.297							
CURVE			N 23°45'35.5" E	277.66	23°55'03.5"(RT)	08°33'05.8"	279.69	141.91	670.00
PCC	835265.829	1698318.167							
CURVE			N 37°51'20.6" E	111.87	04°16'26.6"(RT)	03°49'11.0"	111.89	55.97	1500.00
PT	835354.155	1698386.818							
LINE			N 39°59'33.9" E	116.99					
PC	835443.785	1698462.208							
CURVE			N 40°35'25.7" E	104.32	01°11'43.5"(RT)	01°08'45.3"	104.32	52.16	5000.00
PT	835523.803	1698529.883							
LINE			N 41°11'17.4" E	133.28					
PC	835623.304	1698617.652							
CURVE			N 40°56'14.3" E	17.51	00°30'06.3"(LT)	02°51'53.2"	17.51	8.76	2000.00
PT	835636.534	1698629.128							
LINE			N 40°41'11.2" E	864.49					
PC	836292.067	1699192.705							
CURVE			N 39°27'32.1" E	214.22	02°27'18.1"(LT)	01°08'45.3"	214.24	107.14	5000.00
PT	836457.465	1699328.852							
LINE			N 38°13'53.1" E	160.18					
PC	836583.290	1699427.976							
CURVE			N 37°46'28.8" E	15.94	00°54'48.7"(LT)	05°43'46.5"	15.94	7.97	1000.00
PT	836595.892	1699437.742							
LINE			N 37°19'04.4" E	233.45					
PC	836781.548	1699579.266							
CURVE			N 41°56'36.2" E	346.76	09°15'03.6"(RT)	02°39'53.7"	347.14	173.95	2150.00
PT	837039.472	1699811.041							
LINE			N 46°34'08.0" E	166.40					
PC	837153.868	1699931.879							
CURVE			N 46°50'16.3" E	18.78	00°32'16.6"(RT)	02°51'53.2"	18.78	9.39	2000.00
PT	837166.713	1699945.576							
LINE			N 47°06'24.6" E	386.35					
PC	837429.673	1700228.622							
CURVE			N 46°03'26.2" E	146.54	02°05'56.8"(LT)	01°25'56.6"	146.55	73.28	4000.00
PCC	837531.360	1700334.134							
CURVE			N 42°14'53.5" E	91.47	05°31'08.7"(LT)	06°01'52.1"	91.51	45.79	950.00
PCC	837599.073	1700395.636							
CURVE			N 38°03'28.3" E	97.38	02°51'41.5"(LT)	02°56'17.7"	97.39	48.70	1950.00
PCC	837675.749	1700455.666							
CURVE			N 29°57'32.0" E	303.07	13°20'11.2"(LT)	04°23'25.7"	303.76	152.57	1305.00
PCC	837938.326	1700607.014							
CURVE			N 19°40'30.4" E	208.10	07°13'51.9"(LT)	03°28'20.9"	208.24	104.26	1650.00
PCC	838134.279	1700677.079							
CURVE			N 11°09'08.7" E	222.41	09°48'51.6"(LT)	04°24'26.5"	222.68	111.61	1300.00
PT	838352.487	1700720.097							
LINE			N 06°14'42.9" E	39.18					
PC	838391.436	1700724.360							
CURVE			N 05°51'47.2" E	53.35	00°45'51.2"(LT)	01°25'56.6"	53.35	26.68	4000.00
PT	838444.510	1700729.810							
LINE			N 05°28'51.6" E	28.19					
PC	838472.573	1700732.503							
CURVE			N 06°02'32.7" E	293.95	01°07'22.1"(RT)	00°22'55.1"	293.95	146.98	15000.00
PT	838764.888	1700763.445							
LINE			N 06°36'13.8" E	393.46					
PC	839155.732	1700808.694							
CURVE			N 06°07'27.3" E	83.70	00°57'32.9"(LT)	01°08'45.3"	83.70	41.85	5000.00
PT	839238.953	1700817.623							
LINE			N 05°38'40.9" E	443.17					
PC	839679.977	1700861.213							
CURVE			N 04°42'52.1" E	113.64	01°51'37.6"(LT)	01°38'13.3"	113.65	56.83	3500.00
PCC	839793.236	1700870.554							
CURVE			N 00°27'48.9" E	150.60	06°38'28.7"(LT)	04°24'26.5"	150.69	75.43	1300.00
PCC	839943.834	1700871.772							
CURVE			N 05°14'50.1" W	191.84	04°46'49.3"(LT)	02°29'28.0"	191.90	96.00	2300.00
PT	840134.870	1700854.228							
LINE			N 07°38'14.7" W	431.80					
PC	840562.844	1700796.839							
CURVE			N 05°53'11.2" W	262.78	03°30'07.1"(RT)	01°19'56.9"	262.82	131.45	4300.00
PCC	840824.237	1700769.889							
CURVE			N 03°38'44.3" W	29.07	00°58'46.6"(RT)	03°22'13.2"	29.07	14.53	1700.00
PCC	840853.244	1700768.041							
CURVE			N 02°43'17.8" W	15.16	00°52'06.4"(RT)	05°43'46.5"	15.16	7.58	1000.00
PCC	840868.384	1700767.321							
CURVE			N 03°23'59.3" E	421.16	11°22'27.7"(RT)	02°41'46.6"	421.85	211.62	2125.00
PT	841288.805	1700792.298							
LINE			N 09°05'13.1" E	483.45					
PC	841766.192	1700868.651							
CURVE			N 09°38'52.2" E	170.32	01°07'18.2"(RT)	00°39'30.9"	170.33	85.17	8700.00
PCC	841934.107	1700897.196							
CURVE			N 13°38'54.9" E	135.00	06°52'47.1"(RT)	05°05'34.6"	135.08	67.62	1125.00
PCC	842065.297	1700929.852							
CURVE			N 30°30'09.0" E	194.87	26°49'41.3"(RT)	13°38'30.7"	196.66	100.17	420.00
PT	842233.197	1701027.963							
LINE			N 43°54'59.7" E	68.06					
PC	842282.225	1701075.170							
CURVE			N 44°44'00.3" E	85.54	01°38'01.2"(RT)	01°54'35.5"	85.54	42.77	3000.00
PT	842342.988	1701135.371							
LINE			N 45°33'00.8" E	501.98					
PC	842694.520	1701493.720							
CURVE			N 34°13'37.6" E	490.85	22°38'46.5"(LT)	04°35'01.2"	494.06	250.30	1250.00
PT	843100.366	1701769.814							
LINE			N 22°54'14.4" E	2781.26					
PC	845662.342	1702852.245							
CURVE			N 26°23'06.4" E	170.01	06°57'44.1"(RT)	04°05'33.2"	170.12	85.16	1400.00
PCC	845814.646	1702927.800							
CURVE			N 42°30'04.7" E	288.74	25°16'12.5"(RT)	08°40'52.2"	291.09	147.95	660.00
PT	846027.521	1703122.873							
LINE			N 55°08'10.9" E	1170.12					
PC	846696.393	1704082.977							
CURVE			N 61°15'27.1" E	378.54	12°14'32.3"(RT)	03°13'40.6"	379.26	190.36	1775.00
PT	846878.424	1704414.877							
LINE			N 67°22'43.2" E	127.53					
PC	846927.475	1704532.592							
CURVE			N 67°37'58.1" E	88.70	00°30'29.6"(RT)	00°34'22.6"	88.70	44.35	10000.00
PT	846961.230	1704614.622							
LINE			N 67°53'12.9" E	346.46					
PC	847091.650	1704935.597							
CURVE			N 65°45'25.0" E	148.67	04°15'35.8"(LT)	02°51'53.2"	148.70	74.38	2000.00
PT	847152.694	1705071.152							
LINE			N 63°37'37.0" E	4.52					
PC	847154.700	1705075.198							
CURVE			N 56°34'26.9" E	120.33	14°06'20.2"(LT)	11°41'34.9"	120.63	60.62	490.00
PCC	847220.984	1705175.624							
CURVE			N 43°01'57.9" E	178.55	12°58'37.9"(LT)	07°15'09.5"	178.93	89.85	790.00
PT	847351.496	1705297.469							
LINE			N 36°32'38.9" E	92.67					
PC	847425.950	1705352.651							
CURVE			N 36°15'14.4" E	30.38	00°34'49.0"(LT)	01°54'35.5"	30.38	15.19	3000.00
PT	847450.451	1705370.618							
LINE			N 35°57'49.9" E	236.05					
PC	847641.506	1705509.244							
CURVE			N 41°16'57.6" E	295.71	10°38'15.5"(RT)	03°35'32.0"	296.13	148.49	1595.00
PT	847863.718	1705704.343							
LINE			N 46°36'05.4" E	433.58					
PC	848161.618	1706019.380							
CURVE			N 38°01'46.8" E	283.19	17°08'37.1"(LT)	06°01'52.1"	284.25	143.20	950.00
PT	848384.687	1706193.846							
LINE			N 29°27'28.3" E	126.35					
PC	848494.704	1706255.984							
CURVE			N 27°31'06.6" E	676.83	03°52'43.3"(LT)	00°34'22.6"	676.96	338.61	10000.00
PT	849094.959	1706568.704							

EL (CONTINUED)

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
LINE			N 25°34'45.0" E	145.97					
PC	849226.621	1706631.727							
CURVE			N 23°34'24.6" E	209.99	04°00'40.7"(LT)	01°54'35.5"	210.03	105.06	3000.00
PT	849419.086	1706715.707							
LINE			N 21°34'04.2" E	94.30					
PC	849506.781	1706750.370							
CURVE			N 21°10'31.4" E	68.50	00°47'05.7"(LT)	01°08'45.3"	68.50	34.25	5000.00
PT	849570.651	1706775.113							
LINE			N 20°46'58.6" E	158.05					
PC	849718.415	1706831.193							
CURVE			N 15°39'05.0" E	174.41	10°15'47.2"(LT)	05°52'35.4"	174.65	87.56	975.00
PT	849886.362	1706878.246							
LINE			N 10°31'11.4" E	609.98					
PC	850486.093	1706989.615							
CURVE			N 08°41'53.1" E	95.37	03°38'36.7"(LT)	03°49'11.0"	95.39	47.71	1500.00
PCC	850580.368	1707004.038							
CURVE			N 01°06'25.5" E	80.42	11°32'18.5"(LT)	14°19'26.2"	80.55	40.41	400.00
PCC	850660.770	1707005.591							
CURVE			N 12°48'46.0" W	95.56	16°18'04.5"(LT)	17°00'06.2"	95.88	48.27	337.00
PCC	850753.948	1706984.402							
CURVE			N 22°14'13.9" W	30.01	02°32'51.1"(LT)	08°29'17.7"	30.01	15.01	675.00
PCC	850781.726	1706973.043							
CURVE			N 28°11'26.2" W	73.43	09°21'33.5"(LT)	12°43'56.6"	73.51	36.84	450.00
PT	850846.442	1706938.356							
LINE			N 32°52'12.9" W	1518.41					
PC	852121.758	1706114.257							
CURVE			N 25°26'15.5" W	514.08	14°51'54.8"(RT)	02°53'00.7"	515.52	259.22	1987.00
PT	852585.996	1705893.446							
LINE			N 18°00'18.1" W	38.75					
PC	852622.846	1705881.469							
CURVE			N 16°47'21.5" W	84.87	02°25'53.2"(RT)	02°51'53.2"	84.87	42.44	2000.00
PT	852704.096	1705856.955							
LINE			N 15°34'24.9" W	351.19					
PC	853042.395	1705762.669							
CURVE			N 15°10'36.8" W	103.85	00°47'36.1"(RT)	00°45'50.2"	103.85	51.93	7500.00
PT	853142.624	1705735.481							
LINE			N 14°46'48.8" W	319.81					
PC	853451.853	1705653.893							
CURVE			N 06°53'17.8" W	164.77	15°47'01.9"(RT)	09°32'57.5"	165.29	83.17	600.00
PT	853615.430	1705634.132							
LINE			N 01°00'13.2" E	89.20					
POT	853704.620	1705635.694							

EY

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R	DELTA S	Ls	LT	ST
TS	0.000	0.000											
SPIRAL			N 67°25'10.6" E	96.00						00°33'00.1"(LT)	96.00	64.00	32.00
SC	833009.681	1697033.895											
CURVE			N 62°37'43.1" E	771.42	08°50'54.9"(LT)	01°08'45.3"	772.18	386.86	5000.00				
CS	833364.345	1697718.148											
SPIRAL			N 57°50'15.5" E	96.00						00°33'00.1"(LT)	96.00	64.00	32.00
ST	833415.448	1697799.416											
LINE			N 57°39'15.5" E	936.23									
TS	833916.358	1698590.382											
SPIRAL			N 58°48'00.6" E	149.98						03°26'15.9"(RT)	150.00	100.02	50.02
SC	833994.049	1698718.665											
CURVE			N 71°42'48.9" E	460.80	21°14'35.1"(RT)	04°35'01.2"	463.45	234.42	1250.00				
CS	834138.634	1699156.197											
SPIRAL			N 84°37'37.2" E	149.98						03°26'15.9"(RT)	150.00	100.02	50.02
ST	834152.678	1699305.514											
LINE			N 85°46'22.4" E	206.98									
POT	834167.934	1699511.930											

EY1

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	836443.150	1698677.942							
LINE			S 85°56'32.2" E	52.19					
PC	836439.458	1698729.997							
CURVE			S 77°24'48.6" E	88.98	17°03'27.2"(RT)	19°05'54.9"	89.31	44.99	300.00
PT	836420.067	1698816.843							
LINE			S 68°53'05.0" E	209.75					
PC	836344.526	1699012.509							
CURVE			S 59°01'06.9" E	102.81	19°43'56.2"(RT)	19°05'54.9"	103.32	52.18	300.00
PT	836291.584	1699100.650							
LINE			S 49°09'08.8" E	69.49					
POT	836246.134	1699153.216							

EY1A

POINT	N	E	BEARING	DIST
POT	836396.789	1698877.122		
LINE			N 21°07'28.3" E	232.50
POT	836613.665	1698960.914		

EY1B

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	833082.645	1698785.465							
LINE			S 87°14'53.5" E	131.94					
PC	833076.310	1698917.251							
CURVE			S 89°42'51.9" E	81.76	04°55'57.0"(LT)	06°01'52.1"	81.78	40.92	950.00
PT	833075.903	1698999.008							
LINE			N 87°49'09.6" E	50.68					
POT	833077.831	1699049.656							

EY2

POINT	N	E	BEARING	DIST
POT	839683.418	1700364.321		
LINE			N 79°48'31.3" E	513.01
POT	839774.188	1700869.242		

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.

I, Clinton B. Osborne, PLS, certify that the Project Control was performed under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: ***AA***
Type of GPS field procedure: Static
Dates of survey: 3/1/2017 to 3/10/2017
Datum/Epoch: NAD83 NA2011
Published/Fixed-control use: NCGS 616E-200
Localized around: NCGS 616E-200
Northing: 855280.10'
Easting: 1707247.73'
Combined grid factor: 0.999940733
Geoid model: 12A
Units: US Survey Feet

I also certify that the Baseline Control for this project 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 1:20,000 (Class AA) and Vertical accuracy to Class A. Field work was performed from 3/14/2017 to 4/13/2017 , and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 2nd day of September, 2024

DocuSigned by:
Clinton B. Osborne
0A6F6B085F6449B...

Professional Land Surveyor L-3834

20-AUG-2024 14:00
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osborne
AT OSBORNEC-LT