

REVISIONS

SYTIME\$\$\$\$
CUNUSRKA\$\$\$\$
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SURVEY CONTROL SHEET
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION
ORIGINAL BASELINE WORK PERFORMED BY TGS ENGINEERS

PROJECT REFERENCE NO.
B-5541

SHEET NO.
RW02C-2

Location and Surveys

INSERT CONSULTANT'S NAME

NIVIS

7500 EAST INDEPENDENCE BOULEV
CHARLOTTE, NC 28227
phone: 704.537.7300 NVS.com
NC License # F-1333

PROJECT SURVEYOR

NORTH CAROLINA
REGISTERED
8/3/2022
SEAL
L-5456
LAND SURVEYOR
CHRISTOPHER K. DRYE

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

BL	POINT	DESC.	NORTH	EAST	ELEVATION	EL STATION	OFFSET	BY1	POINT	DESC.	NORTH	EAST	ELEVATION	EY1 STATION	OFFSET
10		BL - 10	676844.6750	842217.1600	2643.53	10+00.00	S 67°04'16" W 316.69'	21		BY1-21	677908.4050	844896.7750	2669.29	12+17.16	13.67 LT
11		BL - 11	676984.2660	842786.5700	2634.09	12+74.73	47.34 RT	20		BY1-20	678192.4520	844839.8720	2653.06	15+00.60	17.77 RT
3		BL - 3	677137.3070	843577.1837	2642.22	20+81.74	47.07 RT	19		BY1-19	677978.0400	844676.8940	2648.32	17+63.77	13.28 RT
4		BL - 4	677287.1969	844355.7377	2667.40	28+74.57	40.57 RT	8		BY1-8	677539.8773	844488.8238	2652.62	22+39.13	20.83 RT
5		BL - 5	677424.0144	845114.1993	2690.06	36+45.27	43.30 RT	9		BY1-9	677160.9852	844388.6120	2651.70	26+27.88	17.48 LT
G101		B5541-G101	677587.7720	845443.1430	2695.56	39+98.42	58.21 LT	E04		BL - 4	677287.1969	844355.7377	2667.40	25+22.36	61.58 RT
G102		B5541-G102	677653.6950	845851.5130	2702.45	44+11.98	49.13 LT	18		BY1-18	676836.4010	844074.2240	2648.79	30+74.86	21.23 LT
12		BL - 12	677737.6280	846254.5280	2706.47	46+93.31	N 55°17'52" E 142.85'	17		BY1-17	676726.5750	843460.6050	2600.89	36+95.19	12.66 LT

BY	POINT	DESC.	NORTH	EAST	ELEVATION	EY STATION	OFFSET	BY2	POINT	DESC.	NORTH	EAST	ELEVATION	EYA STATION	OFFSET
13		BY-13	677129.2960	842668.4840	2636.27	10+28.31	15.68 RT	16		BY2-16	677683.2570	843668.5130	2652.54	10+36.09	12.74 RT
14		BY-14	677219.7860	843153.9130	2645.22	15+18.78	12.32 LT	E015		BY-15	677263.1550	843521.8790	2649.37	(EY) 18+88.73	11.81 RT
15		BY-15	677263.1550	843521.8790	2649.37	18+88.73	11.81 RT								
E03		BL - 3	677137.3070	843577.1837	2642.22	19+20.21	145.62 RT								
6		BY-6	677297.6370	843759.0518	2658.79	21+28.22	21.07 RT								
7		BY-7	677423.8373	844207.7845	2665.94	25+96.59	12.72 LT								
E08		BY1-8	677539.8773	844488.8238	2652.62	28+88.38	38.46 LT								

BM1 ELEVATION = 2641.76
N 677074 E 843448
BL STATION 17+53.00 37 RIGHT
RR SPIKE IN BASE 18" WILD CHERRY

BM2 ELEVATION = 2645.95
N 677087 E 844278
BL STATION 25+70.00 182 RIGHT
RR SPIKE IN BASE 20" WILD CHERRY

BM3 ELEVATION = 2653.80
N 677702 E 844569
BL STATION 29+68.00 371 LEFT
RR SPIKE FLUSH IN PAYEMENT

BM4 ELEVATION = 2698.99
N 677668 E 845714
BL STATION 41+03.00 36 LEFT
RR SPIKE IN BASE 30" TRIPLE BEECH

I, Christopher K. Drye, PLS, certify that the GPS Project Control was performed by NCDOT Location & Surveys Division 14. Previous Baseline work was performed by TGS Engineers.

I also certify that the Baseline Control for this project (BL-10 thru BL-12, BY-13 thru BY-15, BY2-16, and BY1-17 thru BY1-21) 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 June 27th, 2022 to July 29th, 2022, 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 day of 8/3/2022
DocuSigned by:
Christopher K. Drye
Professional Land Surveyor L-5456

EL POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	676968.054	842508.826	N 77°52'31.7" E	680.55	03°23'32.5"(RT)	00°29'54.2"	680.65	340.42	11495.89
CURVE									
PT	677110.994	843174.191	N 79°34'17.9" E	3012.66					
LINE									
POT	677656.304	846137.090							

EY POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	677155.794	842647.956	S 72°57'56.4" E	69.21	24°58'54.2"(LT)	35°48'35.5"	69.76	35.44	160.00
CURVE	677135.519	842714.130	N 85°55'14.9" E	134.93	17°14'43.1"(LT)	12°43'56.6"	135.44	68.24	450.00
PCC									
PT	677145.117	842848.722	N 77°17'53.4" E	93.48					
LINE	677165.672	842939.918	N 78°40'57.3" E	169.12	02°46'07.8"(RT)	01°38'13.3"	169.14	84.59	3500.00
CURVE	677198.861	843105.751	N 80°04'01.2" E	221.93					
PT									
LINE	677237.143	843324.350	N 79°11'29.1" E	61.12	01°45'04.2"(LT)	02°51'53.2"	61.13	30.57	2000.00
PC	677248.605	843384.391	N 78°54'52.8" E	104.52	01°11'51.6"(RT)	01°08'45.3"	104.52	52.26	5000.00
CURVE	677268.701	843486.956	N 79°30'48.6" E	414.43					
PT	677344.129	843894.466	N 80°08'37.5" E	194.92	01°15'37.9"(RT)	00°38'48.0"	194.92	97.46	8860.00
LINE	677377.494	844086.507	N 77°49'01.0" E	79.44	05°54'50.9"(LT)	07°26'27.6"	79.48	39.78	770.00
PC	677394.260	844164.163	N 64°31'57.0" E	105.77	20°39'17.2"(LT)	19°25'20.2"	106.35	53.76	295.00
CURVE	677439.741	844259.656	N 55°44'13.2" E	61.49	03°03'49.6"(RT)	04°58'56.1"	61.49	30.75	1150.00
PT	677474.358	844310.472	N 82°47'27.0" E	186.99	51°02'38.0"(RT)	26°24'12.9"	193.32	103.61	217.00
LINE	677497.824	844495.986							

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.

EY1 POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	677776.756	845071.834	N 63°25'38.9" W	56.91	17°30'18.6"(RT)	30°38'22.0"	57.13	28.79	187.00
CURVE	677802.214	845020.934	N 50°30'57.3" W	68.17	08°19'04.5"(RT)	12°11'26.1"	68.23	34.18	470.00
PT	677845.562	844968.319	N 46°21'25.1" W	34.95					
LINE	677869.681	844943.030	N 28°46'38.3" W	106.74	35°09'33.6"(RT)	32°25'31.6"	108.43	55.98	176.70
PC	677963.236	844891.646	N 06°54'44.0" W	74.73	08°34'15.2"(RT)	11°27'33.0"	74.80	37.47	500.00
CURVE	678037.419	844882.653	N 02°37'36.4" W	69.89					
PT									
LINE	678107.235	844879.450	N 10°46'36.1" W	38.28	16°17'59.5"(LT)	42°26'28.7"	38.41	19.33	135.00
PC	678144.836	844872.293	N 74°50'12.3" W	75.36	111°49'12.7"(LT)	125°55'29.2"	88.80	67.23	45.50
CURVE	678164.549	844799.554	S 38°49'40.7" W	49.58	20°51'01.4"(LT)	41°49'18.3"	49.86	25.21	137.00
PT									
LINE	678125.924	844768.468	S 27°33'20.4" W	138.97	01°41'39.2"(LT)	01°13'08.6"	138.98	69.49	4700.00
PC	678002.716	844704.177	S 26°42'30.8" W	130.89					
CURVE	678144.836	844872.293	S 24°13'47.6" W	108.12	04°57'26.5"(LT)	04°35'01.2"	108.15	54.11	1250.00
PT	677787.193	844600.975	S 20°39'22.0" W	107.03	02°11'24.6"(LT)	02°02'46.6"	107.03	53.52	2800.00
LINE	677687.048	844563.221	S 19°33'39.7" W	434.75					
PC	677277.393	844417.663	S 21°23'16.9" W	82.89	03°39'14.4"(RT)	04°24'26.5"	82.91	41.47	1300.00
CURVE	677200.209	844387.433	S 30°48'45.3" W	174.52	15°11'42.4"(RT)	08°40'52.2"	175.04	88.03	660.00
PT	677050.321	844298.037	S 42°35'07.1" W	116.49	08°21'01.2"(RT)	07°09'43.1"	116.59	58.40	800.00
LINE	676964.553	844219.210	S 54°25'42.6" W	181.47	15°20'09.7"(RT)	08°25'33.1"	182.01	91.55	680.00
PC	676858.989	844071.605	S 70°39'40.7" W	218.92	17°07'46.5"(RT)	07°47'43.2"	219.74	110.70	735.00
CURVE	676786.492	843865.034	S 81°35'57.3" W	107.66	04°44'46.8"(RT)	04°24'26.5"	107.69	53.88	1300.00
PT	676770.763	843758.529	S 83°58'20.7" W	336.06					
LINE	676735.475	843424.326	S 80°58'52.2" W	41.75	05°58'57.1"(LT)	14°19'26.2"	41.77	20.90	400.00
PC	676728.930	843383.096	S 72°15'24.0" W	33.96	11°27'59.2"(LT)	33°42'12.2"	34.02	17.07	170.00
CURVE	676718.579	843350.746							

EYA POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	677713.528	843691.930	S 18°16'28.5" W	110.35					
LINE	677608.740	843657.326	S 22°07'09.0" W	170.98	07°41'21.0"(RT)	04°29'37.6"	171.11	85.68	1275.00
PC	677450.345	843592.946	S 25°57'49.5" W	10.07					
CURVE	677441.292	843588.538	S 18°26'33.0" W	172.78	15°02'33.0"(LT)	08°40'52.2"	173.28	87.14	660.00
PT	677277.386	843533.879							