7/2021

SURVEY CONTROL SHEET

W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
B-5869	RW02C-2

Location and Surveys

TGS ENGINEERS
804-C N. LAFAYETTE ST
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

PROJECT SURVEYOR

NORTH CAROLINA PROFESSIONAL SEAL L-4775 LAND SURVEYOR MATTHEW T. CORNWELL

DocuSigned by: Matthew Cornwell EBD36F11473E475...

7/7/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

I, Matthew T. Cornwell, PLS, certify that the Project Control was verified 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: RTN
Dates of survey: 2/26/2015
Datum/Epoch: NAD83/2011
Published/Fixed-control use: N/A
Localized around: GPS B-5869-2
Northing: 732085.381
Easting: 1197265.729
Combined grid factor: 0.99986119
Geoid model: 12NC
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 in April 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 7th day of July, 2021.

DocuSigned by: Matthew Cornwell EBD36F11473E475... 7/7/2021

Professional Land Surveyor L-4775

BASELINE

BL

POINT	DESC.	NORTH	EAST	ELEVATION
3	BL-3	732773.8226	1196394.5094	1058.98
1	GPS B5869-1	732478.7500	1196679.5310	1065.08
2	GPS B5869-2	732085.3810	1197265.7290	1077.12
4	BL-4	731816.9634	1197606.0411	1100.32
5	BL-5	731470.8036	1197854.4160	1123.47
6	BL-6	731215.6045	1198153.6185	1143.06
7	BL-7	731077.7601	1198883.5878	1153.93

BY2

POINT	DESC.	NORTH	EAST	ELEVATION
EO6	BL-6	731215.6045	1198153.6185	1143.06
9	BY2-9	730871.4189	1198125.5996	1129.96

BENCHMARKS

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BM1       ELEVATION = 1062.91
N 732978      E 1196468
BL STATION 5+00.00
N 19°53'21.9" E    DIST 216.72
RR SPIKE IN BASE 20" YELLOW PINE
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BM2       ELEVATION = 1112.34
N 731580      E 1197522
BL STATION 21+93.00 207 RIGHT
CHISELED SQUARE IN CORNER TRANSFORMER
CONCRETE PAD
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BM3       ELEVATION = 1154.11
N 731162      E 1199030
BL STATION 36+12.00
N 60°02'13.5" E    DIST 168.44
RR SPIKE IN BASE 24" TULIP POPLAR
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EXISTING CENTERLINE ALIGNMENTS

EL

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	732949.490	1196364.315							
CURVE			S 21°37'41.3" E	246.32	01°24'40.9"(LT)	00°34'22.6"	246.33	123.17	10000.00
PCC	732720.511	1196455.104							
CURVE			S 25°54'51.3" E	111.16	07°09'39.1"(LT)	06°26'15.8"	111.23	55.69	890.00
PCC	732620.527	1196503.684							
CURVE			S 42°38'34.7" E	320.74	26°17'47.6"(LT)	08°07'37.4"	323.57	164.69	705.00
PCC	732384.598	1196720.959							
CURVE			S 61°36'33.5" E	171.31	11°38'010.0"(LT)	06°46'50.0"	171.61	86.10	845.00
PT	732303.141	1196871.670							
LINE			S 67°25'38.5" E	429.42					
PC	732138.305	1197268.195							
CURVE			S 63°10'23.6" E	143.91	08°30'29.8"(RT)	05°54'24.4"	144.04	72.15	970.00
PCC	732073.359	1197396.617							
CURVE			S 47°09'57.7" E	303.50	23°30'21.8"(RT)	07°41'26.6"	305.64	155.00	745.00
PT	731867.015	1197619.185							
LINE			S 35°24'46.8" E	397.83					
PC	731542.786	1197849.713							
CURVE			S 38°14'46.0" E	83.53	05°39'58.3"(LT)	06°46'50.0"	83.57	41.82	845.00
PCC	731477.184	1197901.422							
CURVE			S 61°08'27.9" E	603.74	40°07'25.4"(LT)	06°30'39.2"	616.26	321.37	880.00
PCC	731185.785	1198430.185							
CURVE			S 82°09'19.2" E	149.60	01°54'17.3"(LT)	01°16'23.7"	149.60	74.81	4500.00
PT	731165.367	1198578.381							
LINE			S 83°06'27.9" E	516.91					
POT	731103.337	1199091.555							

EY

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
POT	732644.425	1196914.775							
LINE			S 67°53'43.2" W	101.35					
PC	732606.289	1196820.879							
CURVE			S 63°43'58.7" W	43.55	08°19'29.0"(LT)	19°05'54.9"	43.59	21.83	300.00
PT	732587.016	1196781.826							
LINE			S 59°34'14.2" W	32.91					
PC	732570.348	1196753.449							
CURVE			S 49°44'30.6" W	167.29	19°39'27.1"(LT)	11°41'34.9"	168.11	84.89	490.00
PT	732462.239	1196625.783							

EY1

POINT	N	E	BEARING	DIST	DELTA	D	L	T	R
PC	731289.409	1199129.765							
CURVE			N 74°07'05.2" W	240.15	02°24'50.7"(RT)	01°00'18.7"	240.16	120.10	5700.00
PT	731355.126	1198898.787							
LINE			N 72°54'39.8" W	1541.63					
PC	731808.143	1197425.220							
CURVE			N 73°24'54.0" W	211.09	01°00'28.4"(LT)	00°28'38.9"	211.09	105.55	12000.00
PCC	731868.396	1197222.914							
CURVE			N 74°36'21.9" W	59.96	01°22'27.5"(LT)	02°17'30.6"	59.97	29.98	2500.00
PCC	731884.313	1197165.101							
CURVE			N 80°15'19.6" W	478.87	09°55'27.9"(LT)	02°04'11.5"	479.47	240.34	2768.10
PT	731965.366	1196693.137							
LINE			N 85°13'03.6" W	27.98					
POT	731967.698	1196665.258							

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.

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