
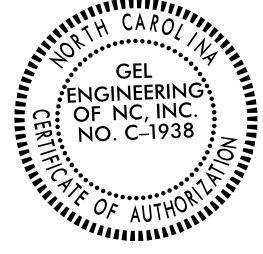
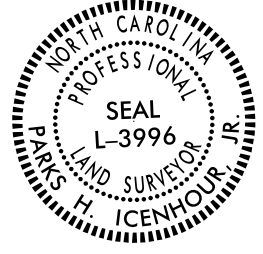


# SURVEY CONTROL SHEET

## W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
R-5705A	RW02C-13
<b>Location and Surveys</b>	
 <small>an Affiliate of THE GEL GROUP, INC.</small> <small>2700 SUMNER BLVD.</small> <small>SUITE 106</small> <small>RALEIGH, NC 27616</small> <small>(919) 544-1100</small> <small>WWW.GEL-SOLUTIONS.COM</small>	
 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

BY	POINT	DESC.	NORTH	EAST	ELEVATION
101		R5705 BY-101	625390.3350	2086262.9260	314.69
AZ4		R5705 AZ-4	626201.3140	2086565.6950	314.61
207		R5705 BL-7	626819.0920	2086766.4440	318.45
AZ5		R5705 AZ-5	627167.6139	2086934.7790	319.89
102		R5705 BY-102	627658.4280	2087107.6400	319.99

\*\*\*\*\*  
 BM5 ELEVATION = 292.53  
 N 629769 E 2083541  
 BENCH NAIL IN BASE OF 48" WILLOW TREE  
 \*\*\*\*\*

BY1	POINT	DESC.	NORTH	EAST	ELEVATION
206		R5705 AZ-6	629901.5140	2083316.6010	289.08
103		R5705 BY1-103	630390.8690	2082760.8830	290.52
104		R5705 BY1-104	630852.8590	2082249.9730	275.49

\*\*\*\*\*  
 BM6 ELEVATION = 303.98  
 N 630281 E 2081692  
 BENCH NAIL IN BASE OF 44" OAK TREE  
 \*\*\*\*\*

BY2	POINT	DESC.	NORTH	EAST	ELEVATION
105		R5705 BY2-105	630288.4320	2079972.7340	282.92
215		R5705 BL-15	630891.2739	2079981.5084	286.52
106		R5705 BY2-106	631277.8430	2079680.9550	288.44

\*\*\*\*\*  
 BM7 ELEVATION = 283.94  
 N 630722 E 2078853  
 BENCH NAIL IN BASE OF 30" PECAN TREE  
 \*\*\*\*\*

BY3	POINT	DESC.	NORTH	EAST	ELEVATION
107		R5705 BY3-107	630585.5370	2076790.5720	275.03
230		R5705 AZ-30	631121.7714	2077009.2858	282.80
AZ31		R5705 AZ-31	631775.2130	2077614.4910	293.80

\*\*\*\*\*  
 BM8 ELEVATION = 284.32  
 N 631045 E 2076981  
 BENCH NAIL IN BASE OF 24" WILLOW TREE  
 \*\*\*\*\*

BY4	POINT	DESC.	NORTH	EAST	ELEVATION
233		R5705 AZ-33	633081.4720	2072838.5570	298.92
108		R5705 BY4-108	633755.5280	2072797.4020	296.66

\*\*\*\*\*  
 BM9 ELEVATION = 260.58  
 N 632040 E 2074294  
 BENCH NAIL IN BASE OF 24" PINE TREE  
 \*\*\*\*\*

BY5	POINT	DESC.	NORTH	EAST	ELEVATION
109		R5705 BY5-109	634245.1070	2071191.1850	298.59
229		R5705 BL-29	634736.1190	2071474.7360	308.07
110		R5705 BY5-110	635250.2300	2071962.7730	317.88

\*\*\*\*\*  
 BM10 ELEVATION = 300.66  
 N 633307 E 2072861  
 BENCH NAIL IN BASE OF 48" OAK TREE  
 \*\*\*\*\*

\*\*\*\*\*  
 BM1 ELEVATION = 301.77  
 N 623176 E 2090122  
 BENCH NAIL IN BASE OF 22" PINE  
 \*\*\*\*\*

\*\*\*\*\*  
 BM3 ELEVATION = 314.28  
 N 626532 E 2087010  
 BENCH NAIL IN BASE OF 26" PINE  
 \*\*\*\*\*

\*\*\*\*\*  
 BM2 ELEVATION = 259.24  
 N 624899 E 2088840  
 BENCH NAIL IN BASE OF 15" PINE  
 \*\*\*\*\*

\*\*\*\*\*  
 BM4 ELEVATION = 309.49  
 N 628065 E 2085380  
 BENCH NAIL IN BASE OF 15" MAPLE TREE  
 \*\*\*\*\*

### NOTES:

- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- 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, Parks H. Icenhour Jr., 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: 3/1/2018- 7/19/2018  
 Datum/Epoch: NAD 83/ NA 2011  
 Published/Fixed-control use: Utilized  
 Localized around: R5705/U5751-AZ1  
 Northing:644697.210  
 Easting:2075359.162  
 Combined grid factor:0.99987346  
 Geoid model:G12NC  
 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 3/1/2018 to 7/19/2018, 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 30th day of September, 2022.

Professional Land Surveyor L-3996

REVISIONS

28-SEP-2022 09:17  
 C:\GEL\projects\2022\IR-5705A\_ROW\5705a\_control\_sheets\5705a\_ls\_r\402c-13.DGN  
 AT DESKTOP-EPRI\SVF  
 Jason Prevatte