
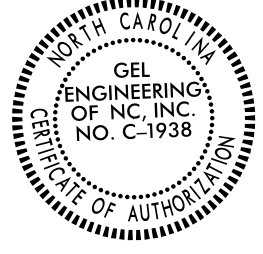
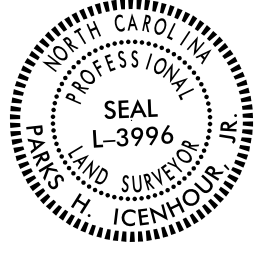


# SURVEY CONTROL SHEET

## W/ EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

|  |           |
|--|-----------|
| PROJECT REFERENCE NO.  | SHEET NO. |
| R-5705A  | RW02C-15  |
| Location and Surveys   |           |
|  <b>GEL SOLUTIONS</b><br><small>an Affiliate of THE GEL GROUP, INC.</small><br>2700 SUMNER BLVD.<br>SUITE 108<br>RALEIGH, NC 27616<br>(919) 544-1100<br>WWW.GEL-SOLUTIONS.COM |           |
|    |           |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED  |           |

| EYA POINT | N          | E           | BEARING         | DIST    | DELTA           | D           | L     | T     | R       |
|-----------|------------|-------------|-----------------|---------|-----------------|-------------|-------|-------|---------|
| POT       | 626762.080 | 2086795.267 |                 |         |                 |             |       |       |         |
| LINE      |            |             | N 20°45'55.9" E | 1056.12 |                 |             |       |       |         |
| PC        | 627749.595 | 2087169.709 |                 |         |                 |             |       |       |         |
| CURVE     |            |             | N 21°58'32.0" E | 80.66   | 02°25'12.1"(RT) | 03°00'00.0" | 80.67 | 40.34 | 1909.86 |
| PT        | 627824.396 | 2087199.893 |                 |         |                 |             |       |       |         |

| EY POINT | N          | E           | BEARING         | DIST    | DELTA           | D           | L     | T     | R       |
|----------|------------|-------------|-----------------|---------|-----------------|-------------|-------|-------|---------|
| POT      | 625371.064 | 2086273.579 |                 |         |                 |             |       |       |         |
| LINE     |            |             | N 20°25'16.1" E | 422.19  |                 |             |       |       |         |
| PC       | 625766.723 | 2086420.890 |                 |         |                 |             |       |       |         |
| CURVE    |            |             | N 20°33'45.3" E | 28.29   | 00°16'58.3"(RT) | 01°00'00.0" | 28.29 | 14.14 | 5729.58 |
| PT       | 625793.208 | 2086430.825 |                 |         |                 |             |       |       |         |
| LINE     |            |             | N 20°42'14.4" E | 1034.52 |                 |             |       |       |         |
| POT      | 626760.919 | 2086796.570 |                 |         |                 |             |       |       |         |

| EY1 POINT | N          | E           | BEARING         | DIST   | DELTA           | D           | L     | T     | R       |
|-----------|------------|-------------|-----------------|--------|-----------------|-------------|-------|-------|---------|
| POT       | 630254.409 | 2082886.013 |                 |        |                 |             |       |       |         |
| LINE      |            |             | N 48°15'11.4" W | 405.30 |                 |             |       |       |         |
| PC        | 630524.276 | 2082583.619 |                 |        |                 |             |       |       |         |
| CURVE     |            |             | N 48°07'06.1" W | 26.96  | 00°16'10.5"(RT) | 01°00'00.0" | 26.96 | 13.48 | 5729.58 |
| PT        | 630542.273 | 2082563.548 |                 |        |                 |             |       |       |         |
| LINE      |            |             | N 47°59'00.9" W | 677.74 |                 |             |       |       |         |
| POT       | 630995.916 | 2082060.017 |                 |        |                 |             |       |       |         |

| EY2 POINT | N          | E           | BEARING         | DIST   |
|-----------|------------|-------------|-----------------|--------|
| POT       | 630256.697 | 2079993.789 |                 |        |
| LINE      |            |             | N 00°58'22.1" E | 690.00 |
| POT       | 630946.597 | 2080005.503 |                 |        |

| EY3 POINT | N          | E           | BEARING         | DIST   | DELTA           | D           | L      | T      | R       |
|-----------|------------|-------------|-----------------|--------|-----------------|-------------|--------|--------|---------|
| POT       | 630520.885 | 2076793.281 |                 |        |                 |             |        |        |         |
| LINE      |            |             | N 12°08'31.1" E | 289.98 |                 |             |        |        |         |
| PC        | 630804.381 | 2076854.274 |                 |        |                 |             |        |        |         |
| CURVE     |            |             | N 17°06'05.8" E | 211.69 | 09°55'09.3"(RT) | 04°40'47.4" | 211.96 | 106.24 | 1224.31 |
| PT        | 631006.713 | 2076916.526 |                 |        |                 |             |        |        |         |
| LINE      |            |             | N 22°03'40.4" E | 0.00   |                 |             |        |        |         |
| PC        | 631006.713 | 2076916.526 |                 |        |                 |             |        |        |         |
| CURVE     |            |             | N 32°02'20.7" E | 197.53 | 19°57'20.6"(RT) | 10°03'06.8" | 198.53 | 100.28 | 570.00  |
| PT        | 631174.153 | 2077021.313 |                 |        |                 |             |        |        |         |
| LINE      |            |             | N 42°01'01.1" E | 81.36  |                 |             |        |        |         |
| PC        | 631234.601 | 2077075.773 |                 |        |                 |             |        |        |         |
| CURVE     |            |             | N 44°19'59.5" E | 153.58 | 04°37'56.9"(RT) | 03°00'56.0" | 153.62 | 76.85  | 1900.00 |
| PT        | 631344.452 | 2077183.097 |                 |        |                 |             |        |        |         |
| LINE      |            |             | N 46°38'57.9" E | 181.56 |                 |             |        |        |         |
| POT       | 631469.084 | 2077315.119 |                 |        |                 |             |        |        |         |

| EY4 POINT | N          | E           | BEARING         | DIST   | DELTA           | D           | L     | T    | R       |
|-----------|------------|-------------|-----------------|--------|-----------------|-------------|-------|------|---------|
| POT       | 632475.110 | 2072865.274 |                 |        |                 |             |       |      |         |
| LINE      |            |             | N 03°51'23.7" W | 503.71 |                 |             |       |      |         |
| PC        | 632977.682 | 2072831.395 |                 |        |                 |             |       |      |         |
| CURVE     |            |             | N 03°39'59.6" W | 19.00  | 00°22'48.2"(RT) | 02°00'00.0" | 19.00 | 9.50 | 2864.79 |
| PT        | 632996.646 | 2072830.180 |                 |        |                 |             |       |      |         |
| LINE      |            |             | N 03°28'35.5" W | 570.32 |                 |             |       |      |         |
| PC        | 633565.911 | 2072795.596 |                 |        |                 |             |       |      |         |
| CURVE     |            |             | N 03°35'39.2" W | 11.77  | 00°14'07.5"(LT) | 02°00'00.0" | 11.77 | 5.89 | 2864.79 |
| PT        | 633577.658 | 2072794.858 |                 |        |                 |             |       |      |         |
| LINE      |            |             | N 03°42'43.0" W | 600.20 |                 |             |       |      |         |
| POT       | 634176.596 | 2072756.001 |                 |        |                 |             |       |      |         |

| EY5 POINT | N          | E           | BEARING         | DIST   | DELTA           | D           | L      | T      | R        |
|-----------|------------|-------------|-----------------|--------|-----------------|-------------|--------|--------|----------|
| POT       | 632762.430 | 2070569.932 |                 |        |                 |             |        |        |          |
| LINE      |            |             | N 35°04'12.8" E | 39.53  |                 |             |        |        |          |
| PC        | 632794.786 | 2070592.647 |                 |        |                 |             |        |        |          |
| CURVE     |            |             | N 27°58'11.6" E | 472.15 | 14°12'02.6"(LT) | 03°00'00.0" | 473.36 | 237.90 | 1909.86  |
| PT        | 633211.783 | 2070814.087 |                 |        |                 |             |        |        |          |
| LINE      |            |             | N 20°52'10.3" E | 959.18 |                 |             |        |        |          |
| PC        | 634108.035 | 2071155.786 |                 |        |                 |             |        |        |          |
| CURVE     |            |             | N 22°43'40.2" E | 313.44 | 03°42'59.8"(RT) | 01°11'08.0" | 313.49 | 156.80 | 4832.84  |
| PCC       | 634397.134 | 2071276.884 |                 |        |                 |             |        |        |          |
| CURVE     |            |             | N 34°06'42.9" E | 379.28 | 19°03'05.5"(RT) | 05°00'00.0" | 381.03 | 192.29 | 1145.92  |
| PT        | 634711.155 | 2071489.587 |                 |        |                 |             |        |        |          |
| LINE      |            |             | N 43°38'15.6" E | 849.46 |                 |             |        |        |          |
| PC        | 635325.928 | 2072075.799 |                 |        |                 |             |        |        |          |
| CURVE     |            |             | N 43°46'35.1" E | 166.51 | 00°16'39.1"(RT) | 00°10'00.0" | 166.51 | 83.26  | 34377.47 |
| PT        | 635446.158 | 2072191.001 |                 |        |                 |             |        |        |          |
| LINE      |            |             | N 43°54'54.7" E | 417.43 |                 |             |        |        |          |
| POT       | 635746.862 | 2072480.528 |                 |        |                 |             |        |        |          |

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

### 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.

REVISIONS

28-SEP-2022 08:21  
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 Jason P. Prévate AT DESKTOP-EPVSVF