

REVISIONS

SURVEY CONTROL SHEET  
W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

| PROJECT REFERENCE NO. | SHEET NO. |
|-----------------------|-----------|
| I-2513AC              | RW02C-15  |
| Location and Surveys  |           |

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "CALVARY"  
WITH NAD 83 STATE PLANE GRID COORDINATES OF  
NORTHING: 684834.0870(ft) EASTING: 934095.9080(ft)  
ELEVATION: 2156.81(ft)  
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9997841  
THE N.C. LAMBERT GRID BEARING AND  
LOCALIZED HORIZONTAL GROUND DISTANCE FROM "CALVARY" TO -L- STATION IS  
  
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES  
VERTICAL DATUM USED IS NAVD 88

| BL       | POINT | DESC.           | NORTH       | EAST        | ELEVATION |
|----------|-------|-----------------|-------------|-------------|-----------|
| 12       |       | BL -12          | 678200.1127 | 927673.5178 | 2020.00   |
| 13       |       | BL -13          | 678428.0273 | 928418.9829 | 2025.49   |
| 14       |       | BL -14          | 678686.2777 | 929160.5683 | 2045.47   |
| 15       |       | BL -15          | 679099.2726 | 930200.6897 | 2029.48   |
| 16       |       | BL -16          | 679599.4930 | 931395.8014 | 2077.60   |
| 17       |       | BL -17          | 679840.4307 | 932352.6206 | 2030.29   |
| 18       |       | BL -18          | 680337.7269 | 933309.1241 | 2000.35   |
| AMBOY1   |       | NCGS "AMBOY"    | 680738.2266 | 933890.3766 | 2053.86   |
| FTBR1    |       | NCGS "FOOTBRIDG | 682077.2172 | 934150.5075 | 2098.64   |
| STATE1   |       | NCGS "STATE"    | 683035.7978 | 934702.3149 | 2111.23   |
| HAYWOOD1 |       | NCGS "HAYWOOD"  | 684484.0740 | 934969.0700 | 2160.01   |

| BL5    | POINT | DESC.           | NORTH       | EAST        | ELEVATION |
|--------|-------|-----------------|-------------|-------------|-----------|
| B16    |       | BL -16          | 679599.4930 | 931395.8014 | 2077.89   |
| 64     |       | BL5-64          | 679918.3500 | 932335.4200 | 2036.19   |
| 65     |       | BL5-65          | 680295.2400 | 932926.0270 | 2050.31   |
| 66     |       | BL5-66          | 680715.5360 | 933538.7090 | 2065.90   |
| 67     |       | BL5-67          | 681219.5390 | 933918.8960 | 2079.74   |
| BFTBR1 |       | NCGS "FOOTBRIDG | 682077.2172 | 934150.5075 | 2098.96   |

| BY      | POINT | DESC.  | NORTH       | EAST        | ELEVATION |
|---------|-------|--------|-------------|-------------|-----------|
| 69      |       | BY -69 | 678032.9361 | 929970.0882 | 2063.15   |
| ASHTON1 |       | ASHTON | 678626.9034 | 930184.7547 | 2038.00   |
| 70      |       | BY -70 | 679036.2051 | 930824.9739 | 2058.89   |
| 71      |       | BY -71 | 679182.5933 | 931423.4787 | 2088.84   |
| B16     |       | BL -16 | 679599.4930 | 931395.8014 | 2077.89   |
| 72      |       | BY -72 | 679960.1134 | 931258.4113 | 2093.04   |
| 73      |       | BY -73 | 680298.7458 | 931606.7225 | 2121.56   |

| BY1     | POINT | DESC.        | NORTH       | EAST        | ELEVATION |
|---------|-------|--------------|-------------|-------------|-----------|
| BAMBOY1 |       | NCGS "AMBOY" | 680738.2266 | 933890.3766 | 2054.12   |
| 74      |       | BY1-74       | 680471.9516 | 934022.1003 | 1984.65   |
| 75      |       | BY1-75       | 680492.3026 | 934919.2717 | 1983.04   |
| 76      |       | BY1-76       | 680275.4532 | 935872.5312 | 1982.45   |

| BY2      | POINT | DESC.        | NORTH       | EAST        | ELEVATION |
|----------|-------|--------------|-------------|-------------|-----------|
| BB66     |       | BL5-66       | 680715.5360 | 933538.7090 | 2065.90   |
| BBAMBOY1 |       | NCGS "AMBOY" | 680738.2266 | 933890.3766 | 2053.86   |
| 77       |       | BY2-77       | 680687.0950 | 934327.5035 | 2021.75   |
| B75      |       | BY1-75       | 680492.3026 | 934919.2717 | 1983.01   |

| BY3 | POINT | DESC.  | NORTH       | EAST        | ELEVATION |
|-----|-------|--------|-------------|-------------|-----------|
| 78  |       | BY3-78 | 683660.0770 | 934153.7184 | 2100.80   |
| 79  |       | BY3-79 | 683368.9022 | 934385.0560 | 2097.48   |
| 80  |       | BY3-80 | 682776.0945 | 934592.4627 | 2082.32   |
| 81  |       | BY3-81 | 682235.1490 | 934835.0450 | 2065.44   |

| BY4        | POINT | DESC.          | NORTH       | EAST        | ELEVATION |
|------------|-------|----------------|-------------|-------------|-----------|
| B81        |       | BY3-81         | 682236.2744 | 934841.8017 | 2066.12   |
| 82         |       | BY4-82         | 682543.7380 | 934902.6920 | 2093.24   |
| 83         |       | BY4-83         | 683076.5660 | 934944.9790 | 2114.14   |
| 84         |       | BY4-84         | 683590.3860 | 934942.9850 | 2125.06   |
| 85         |       | BY4-85         | 684144.8305 | 935049.5196 | 2165.73   |
| BBHAYWOOD1 |       | NCGS "HAYWOOD" | 684484.0740 | 934969.0700 | 2160.01   |

| BY5       | POINT | DESC.          | NORTH       | EAST        | ELEVATION |
|-----------|-------|----------------|-------------|-------------|-----------|
| 86        |       | BY5-86         | 684779.9972 | 934139.3862 | 2158.05   |
| 87        |       | BY5-87         | 684683.8154 | 934623.6343 | 2157.69   |
| BHAYWOOD1 |       | NCGS "HAYWOOD" | 684484.0740 | 934969.0700 | 2160.01   |
| 88        |       | BY5-88         | 684407.0337 | 935310.0141 | 2162.15   |
| 89        |       | BY5-89         | 684497.1514 | 935555.6490 | 2163.91   |

| BY20 | POINT | DESC.    | NORTH       | EAST        | ELEVATION |
|------|-------|----------|-------------|-------------|-----------|
| 142  |       | BY20-142 | 678427.0082 | 927222.6434 | 2060.60   |
| 143  |       | BY20-143 | 678017.9177 | 927677.7141 | 2063.90   |

| BY21 | POINT | DESC.    | NORTH       | EAST        | ELEVATION |
|------|-------|----------|-------------|-------------|-----------|
| B72  |       | BY -72   | 679960.1134 | 931258.4113 | 2093.04   |
| 151  |       | BY21-151 | 679833.0181 | 930958.7985 | 2067.23   |
| 152  |       | BY21-152 | 679579.7135 | 930698.8314 | 2031.82   |
| 153  |       | BY21-153 | 679327.5737 | 930447.8596 | 2011.03   |
| 154  |       | BY21-154 | 678829.5172 | 930543.5169 | 1993.69   |
| 155  |       | BY21-155 | 678120.0382 | 930317.8344 | 1986.94   |

| BY22 | POINT | DESC.    | NORTH       | EAST        | ELEVATION |
|------|-------|----------|-------------|-------------|-----------|
| BB72 |       | BY -72   | 679960.1134 | 931258.4113 | 2093.04   |
| 158  |       | BY22-158 | 679861.0792 | 931584.3611 | 2066.24   |
| 159  |       | BY22-159 | 679870.9930 | 931975.8851 | 2024.70   |
| 160  |       | BY22-160 | 680399.8994 | 931983.7220 | 2053.19   |

| BY23 | POINT | DESC.    | NORTH       | EAST        | ELEVATION |
|------|-------|----------|-------------|-------------|-----------|
| 161  |       | BY23-161 | 681102.8386 | 932770.8497 | 2090.59   |
| 162  |       | BY23-162 | 680846.3054 | 932991.6033 | 2062.89   |
| 163  |       | BY23-163 | 680734.6642 | 933369.1507 | 2034.91   |
| 164  |       | BY23-164 | 680952.9241 | 933672.9836 | 2061.38   |
| 165  |       | BY23-165 | 681378.8976 | 933732.8457 | 2096.61   |
| 166  |       | BY23-166 | 681803.1165 | 933752.9820 | 2121.25   |

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.