

## Town of Plymouth Data Sheet

|                         |  |                 |                     |                  |                 |              |  |
|-------------------------|--|-----------------|---------------------|------------------|-----------------|--------------|--|
| <b>Station:</b>         | Point 207  | Bournehurst     |                     | NGS PID#         |                 | ID#          |  |
| <b>Town:</b>            | Plymouth   |                 | Quad: Sag           |                  |                 |              |  |
| <b>NAD83</b>            | <b>Northerly</b>   | <b>Easterly</b> | <b>NAD 27</b>       | <b>Northerly</b> | <b>Easterly</b> |              |  |
| <b>(Survey Ft)</b>      | 2748710.745  | 899127.161      | <b>(Survey Ft)</b>  | 288041.730       | 842824.669      |              |  |
| <b>(meters)</b>         | 837808.711   | 274054.507      | <b>(meters)</b>     | 87795.295        | 256893.473      |              |  |
|                         |  |                 |                     |                  |                 | <b>Order</b> |  |
| <b>Elevation</b>        | <b>Vert. Datum f/m</b>   | <b>Order</b>    | <b>Stamping:</b>    |                  |                 |              |  |
| <b>NAVD88</b>           | 51.125/15.583  |                 | <b>Sketch</b>       |                  |                 |              |  |
| <b>NAVD29</b>           | 51.967/15.839  |                 | <b>Recov. Date:</b> | March 12, 2012   |                 |              |  |
| <b>Marked by:</b>       | CB/Dh  |                 |                     |                  |                 |              |  |
| <b>Description:</b>     |  |                 |                     |                  |                 |              |  |
| <b>Reference Marks:</b> |  |                 |                     |                  |                 |              |  |
| <b>Azimuth Data:</b>    |  |                 |                     |                  |                 |              |  |
| <b>Geodetic:</b>        | <pre> FILE: 50370680.12o OP1331585562202                                 NGS OPUS SOLUTION REPORT                                 ===== All computed coordinate accuracies are listed as peak-to-peak values. For additional information: <a href="http://www.ngs.noaa.gov/OPUS/about.html#accuracy">http://www.ngs.noaa.gov/OPUS/about.html#accuracy</a> USER: rfirth@townhall.plymouth.ma.us          DATE: March 12, 2012 RINEX FILE: 5037068p.12o                      TIME: 20:53:12 UTC SOFTWARE: page5 1108.09 master81.pl 060711    START: 2012/03/08 15:45:00 EPHEMERIS: igr16784.eph [rapid]              STOP: 2012/03/08 20:26:00 NAV FILE: brdc0680.12n                       OBS USED: 8949 / 9487 : 94% ANT NAME: TRM33429.00+GP NONE                 # FIXED AMB: 48 / 48 : 100% ARP HEIGHT: 1.578864                          OVERALL RMS: 0.012(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000)    ITRF00 (EPOCH:2012.1851) X:      1581296.259(m) 0.034(m)                1581295.467(m) 0.034(m) Y:      -4492613.618(m) 0.025(m)              -4492612.179(m) 0.025(m) Z:      4227992.179(m) 0.021(m)                4227992.116(m) 0.021(m) LAT:    41 47 13.53605                          41 47 13.56952 0.017(m) E LON:  289 23 27.20901                          289 23 27.19734 0.037(m) W LON:  70 36 32.79099                          70 36 32.80266 0.037(m) EL HGT: -12.842(m) 0.026(m)                    -14.092(m) 0.026(m) ORTHO HGT: 15.583(m) 0.046(m) [NAVD88 (Computed using GEOID09)]                                 UTM COORDINATES      STATE PLANE COORDINATES                                 UTM (Zone 19)          SPC (2001 MA M) Northing (Y) [meters]          4627389.185          837808.711 Easting (X) [meters]           366292.156          274054.507 Convergence [degrees]          -1.07241140         0.59843729 Point Scale                     0.99982000          0.99999044 Combined Factor                  0.99982201          0.99999245 US NATIONAL GRID DESIGNATOR: 19TCG6629227389(NAD 83)                                 BASE STATIONS USED </pre> |                 |                     |                  |                 |              |  |

To convert meters to US survey feet  
Multiply by 3.280833333

| PID   | DESIGNATION                 | LATITUDE    | LONGITUDE    | DISTANCE (m) |
|---|-----------------------------|-------------|--------------|--------------|
| DI0884  | ACU6 ACUSHNET 6 CORS ARP    | N414435.676 | W0705311.720 | 23582.2      |
| DE6262  | URIL U OF RI COOP CORS ARP  | N412920.158 | W0713139.778 | 83393.2      |
| DI0964  | FMTS MTS FRAM COOP CORS ARP | N421800.171 | W0712630.865 | 89444.2      |
| NEAREST NGS PUBLISHED CONTROL POINT   |                             |             |              |              |
| LW4522  | PLYMOUTH CORNER 2 1887      | N414714.830 | W0703737.400 | 1490.2       |
| This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used. |                             |             |              |              |
| <b>Grid Azimuth:</b>  |                             |             |              |              |
|   |                             |             |              |              |



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