

## Town of Plymouth Data Sheet

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------|------------------|-----------------|--------------|--|
| <b>Station:</b>         | Point 91                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Town</b><br><b>Cor4W.M.</b> |                         | <b>NGS PID#</b>  |                 | <b>ID#</b>   |  |
| <b>Town:</b>            | Plymouth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                | <b>Quad:</b><br>Wareham |                  |                 |              |  |
| <b>NAD83</b>            | <b>Northerly</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Easterly</b>                | <b>NAD 27</b>           | <b>Northerly</b> | <b>Easterly</b> |              |  |
| <b>(Survey Ft)</b>      | 2755586.6227                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 892720.02892                   | <b>(Survey Ft)</b>      | 294917.69124     | 836417.66383    |              |  |
| <b>(meters)</b>         | 839904.4824                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 272101.609                     | <b>(meters)</b>         | 89891.09207      | 254940.61382    |              |  |
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                         |                  |                 | <b>Order</b> |  |
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                         |                  |                 |              |  |
| <b>Elevation</b>        | <b>Vert. Datum f/m</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Order</b>                   | <b>Stamping:</b>        |                  |                 |              |  |
| <b>NAVD88</b>           | 83.655/25.498                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                | <b>Sketch</b>           |                  |                 |              |  |
| <b>NAVD29</b>           | 84.49/25.753                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                | <b>Recov. Date:</b>     | August 9,2006    |                 |              |  |
| <b>Marked by:</b>       | Iron Rod                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |                         |                  |                 |              |  |
| <b>Description:</b>     | 3' Iron Rod                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |                         |                  |                 |              |  |
| <b>Reference Marks:</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                         |                  |                 |              |  |
| <b>Azimuth Data:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                         |                  |                 |              |  |
| <b>Geodetic:</b>        | <div style="text-align: center;">NGS OPUS SOLUTION REPORT</div> <div style="text-align: center;">=====</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>USER: rfirth@townhall.plymouth.ma.us</p> <p>RINEX FILE: 5037221m.060</p> <p>SOFTWARE: page5 0601.10 master29.pl</p> <p>EPHEMERIS: igu13873.eph [ultra-rapid]</p> <p>NAV FILE: brdc2210.06n</p> <p>ANT NAME: TRM33429.00+GP NONE</p> <p>ARP HEIGHT: 1.70688</p> <p>REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000)</p> <p>X: 1579008.992(m) 0.006(m)</p> <p>Y: -4491931.114(m) 0.025(m)</p> <p>Z: 4229576.136(m) 0.016(m)</p> <p><b>LAT: 41 48 22.11421</b> 0.003(m)</p> <p>E LON: 289 22 3.56060 0.012(m)</p> <p><b>W LON: 70 37 56.43940</b> 0.012(m)</p> <p>EL HGT: -2.958(m) 0.027(m)</p> <p><b>ORTHO HGT: 25.498(m) 0.037(m) [Geoid03 NAVD88]</b></p> </div> <div style="width: 45%;"> <p>DATE: August 10, 2006</p> <p>TIME: 12:22:06 UTC</p> <p>START: 2006/08/09 12:56:00</p> <p>STOP: 2006/08/09 18:40:00</p> <p>OBS USED: 9744 / 12029 : 81%</p> <p># FIXED AMB: 76 / 86 : 88%</p> <p>OVERALL RMS: 0.022(m)</p> <p>ITRF00 (EPOCH:2006.6045)</p> <p>1579008.278(m) 0.006(m)</p> <p>-4491929.671(m) 0.025(m)</p> <p>4229576.063(m) 0.016(m)</p> <p>41 48 22.14698 0.003(m)</p> <p>289 22 3.55215 0.012(m)</p> <p>70 37 56.44785 0.012(m)</p> <p>-4.198(m) 0.027(m)</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <p style="text-align: center;">UTM COORDINATES</p> <p>UTM (Zone 19)</p> <p>Northing (Y) [meters] 4629540.655</p> <p>Easting (X) [meters] 364401.516</p> <p>Convergence [degrees] -1.08830636</p> <p>Point Scale 0.99982626</p> <p>Combined Factor 1.00007971</p> </div> <div style="width: 45%;"> <p style="text-align: center;">STATE PLANE COORDINATES</p> <p>SPC (4204 TXSC)</p> <p>4182545.459</p> <p>798577.473</p> <p>1.00313214</p> <p>0.99986580</p> <p>0.99985903</p> </div> </div> <p>US NATIONAL GRID DESIGNATOR: 19TCG6440229541(NAD 83)</p> <p style="text-align: center;">BASE STATIONS USED</p> |                                |                         |                  |                 |              |  |

To convert meters to US survey feet  
Multiply by 3.2808333333

| PID                  | DESIGNATION                         | LATITUDE    | LONGITUDE    | DISTANCE(m) |
|----------------------|-------------------------------------|-------------|--------------|-------------|
| DH5837               | CTPU PUTNAM CORS ARP                | N415358.888 | W0715320.889 | 104879.9    |
| DF9215               | ZBW1 BOSTON WAAS 1 CORS ARP         | N424408.559 | W0712849.518 | 124723.3    |
| AI3285               | NPRI NAVAL STATION NEW CORS ARP     | N413035.415 | W0711939.125 | 66602.4     |
|                      | NEAREST NGS PUBLISHED CONTROL POINT |             |              |             |
| LW4528               | PLYMOUTH CORNER 4 1889              | N414822.797 | W0703754.768 | 43.9        |
| <b>Grid Azimuth:</b> |                                     |             |              |             |
|                      |                                     |             |              |             |



To convert meters to US survey feet  
Multiply by 3.2808333333