

## Town of Plymouth Data Sheet

<b>Station:</b>	Point 211	Valinor Farm 1		NGS PID#		ID#	
<b>Town:</b>	Plymouth		<b>Quad:</b> Man				
<b>NAD83</b>	<b>Northerly</b>	<b>Easterly</b>	<b>NAD 27</b>	<b>Northerly</b>	<b>Easterly</b>		
<b>(Survey Ft)</b>	2774933.792	908506.931	<b>(Survey Ft)</b>	314264.420	852204.793		
<b>(meters)</b>	845801.511	276913.466	<b>(meters)</b>	95787.987	259752.540		
						<b>Order</b>	
<b>Elevation</b>	<b>Vert. Datum f/m</b>	<b>Order</b>	<b>Stamping:</b>				
<b>NAVD88</b>	118.93/36.25		<b>Sketch</b>				
<b>NAVD29</b>	119.767/36.505		<b>Recov. Date:</b>	Aug, 2012			
<b>Marked by:</b>	Drill Hole						
<b>Description:</b>	Drill Hole Set In Stone Flush						
<b>Reference Marks:</b>							
<b>Azimuth Data:</b>							
<b>Geodetic:</b>	<p>FILE: 50372420.12o OP1346272206546  2005 NOTE: The IGS precise and IGS rapid orbits were not available  2005 at processing time. The IGS ultra-rapid orbit was/will be used to  2005 process the data.  2005</p> <p style="text-align: center;">NGS OPUS SOLUTION REPORT  =====</p> <p>All computed coordinate accuracies are listed as peak-to-peak values.  For additional information: <a href="http://www.ngs.noaa.gov/OPUS/about.jsp#accuracy">http://www.ngs.noaa.gov/OPUS/about.jsp#accuracy</a>  USER: RFIRTH@TOWNHALL.PLYMOUTH.MA.US DATE: August 29, 2012  RINEX FILE: 5037242m.12o TIME: 20:31:12 UTC  SOFTWARE: page5 1108.09 master72.pl 082112 START: 2012/08/29 12:41:00  EPHEMERIS: igu17033.eph [ultra-rapid] STOP: 2012/08/29 18:22:00  NAV FILE: brdc2420.12n OBS USED: 12865 / 13498 : 95%  ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 38 / 41 : 93%  ARP HEIGHT: 1.438656 OVERALL RMS: 0.011(m)  REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2012.6602)  X: 1582313.795(m) 0.014(m) 1582312.979(m) 0.014(m)  Y: -4486642.362(m) 0.004(m) -4486640.919(m) 0.004(m)  Z: 4233939.413(m) 0.009(m) 4233939.387(m) 0.009(m)  LAT: 41 51 31.60078 0.007(m) 41 51 31.63546 0.007(m)  E LON: 289 25 34.77665 0.014(m) 289 25 34.76409 0.014(m)  W LON: 70 34 25.22335 0.014(m) 70 34 25.23591 0.014(m)  EL HGT: 7.972(m) 0.008(m) 6.739(m) 0.008(m)  ORTHO HGT: 36.250(m) 0.018(m) [NAVD88 (Computed using GEOID12A (Beta))]  UTM COORDINATES STATE PLANE COORDINATES  UTM (Zone 19) SPC (2001 MA M)  Northing (Y) [meters] 4635293.828 845801.512  Easting (X) [meters] 369382.537 276913.466</p>						

To convert meters to US survey feet  
Multiply by 3.2808333333

	Convergence [degrees] -1.05025532 0.62224030 Point Scale 0.99980994 0.99998225 Combined Factor 0.99980869 0.99998100 US NATIONAL GRID DESIGNATOR: 19TCG6938235293(NAD 83) BASE STATIONS USED PID DESIGNATION LATITUDE LONGITUDE DISTANCE(m) DI0964 FMTS MTS FRAM COOP CORS ARP N421800.171 W0712630.865 86970.1 DH5837 CTPU PUTNAM CORS ARP N415358.888 W0715320.889 109285.6 DI0884 ACU6 ACUSHNET 6 CORS ARP N414435.676 W0705311.720 28999.6 NEAREST NGS PUBLISHED CONTROL POINT LW5799 10312 N415103.615 W0703440.370 933.0 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>	



meters to US survey feet  
y by 3.2808333333