

## Town of Plymouth Data Sheet

<b>Station:</b>	Point 145	<b>Lopresti Road</b>		<b>NGS PID#</b>		<b>ID#</b>																																									
<b>Town:</b>	Plymouth		<b>Quad: Man</b>																																												
<b>NAD83</b>	<b>Northerly</b>	<b>Easterly</b>	<b>NAD 27</b>	<b>Northerly</b>	<b>Easterly</b>																																										
<b>(Survey Ft)</b>	2800925.77517	910725.57790	<b>(Survey Ft)</b>	340256.22141	854423.82002																																										
<b>(meters)</b>	853723.88372	277589.7113	<b>(meters)</b>	703710.30371	260428.90120																																										
						<b>Order</b>																																									
<b>Elevation</b>	<b>Vert. Datum f/m</b>	<b>Order</b>	<b>Stamping:</b>																																												
<b>NAVD88</b>	25.354/7.728		<b>Sketch</b>																																												
<b>NAVD29</b>	26.19/7.983		<b>Recov. Date:</b>	September 5,2008																																											
<b>Marked by:</b>	Drill Hole																																														
<b>Description:</b>	Drill Hole Set in boulder																																														
<b>Reference Marks:</b>																																															
<b>Azimuth Data:</b>																																															
<b>Geodetic:</b>	<p>FILE: 50372490.08o 000427288</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/Using_OPUS.html#accuracy">www.ngs.noaa.gov/OPUS/Using_OPUS.html#accuracy</a></p> <p>USER: rfirth@townhall.plymouth.ma.us                      DATE: September 08, 2008 RINEX FILE: 5037249n.08o                                      TIME: 13:12:50 UTC SOFTWARE: page5 0612.06 master23.pl                      START: 2008/09/05 13:28:00 EPHEMERIS: igr14955.eph [rapid]                            STOP: 2008/09/05 18:08:30 NAV FILE: brdc2490.08n                                      OBS USED: 8570 / 10185 : 84% ANT NAME: TRM33429.00+GP NONE                          # FIXED AMB: 39 / 67 : 58% ARP HEIGHT: 1.18262400                                    OVERALL RMS: 0.019(m)</p> <p>REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000)            ITRF00 (EPOCH:2008.6794)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">X:</td> <td style="width: 35%;">1581267.816(m)</td> <td style="width: 15%;">0.006(m)</td> <td style="width: 15%;">1581267.077(m)</td> <td style="width: 20%;">0.006(m)</td> </tr> <tr> <td>Y:</td> <td>-4481384.641(m)</td> <td>0.014(m)</td> <td>-4481383.199(m)</td> <td>0.014(m)</td> </tr> <tr> <td>Z:</td> <td>4239811.971(m)</td> <td>0.020(m)</td> <td>4239811.899(m)</td> <td>0.020(m)</td> </tr> <tr> <td><b>LAT:</b></td> <td><b>41 55 48.12873</b></td> <td>0.006(m)</td> <td>41 55 48.16177</td> <td>0.006(m)</td> </tr> <tr> <td>E LON:</td> <td>289 26 7.86187</td> <td>0.006(m)</td> <td>289 26 7.85245</td> <td>0.006(m)</td> </tr> <tr> <td><b>W LON:</b></td> <td><b>70 33 52.13813</b></td> <td>0.006(m)</td> <td>70 33 52.14755</td> <td>0.006(m)</td> </tr> <tr> <td>EL HGT:</td> <td>-20.399(m)</td> <td>0.023(m)</td> <td>-21.642(m)</td> <td>0.023(m)</td> </tr> <tr> <td><b>ORTHO HGT:</b></td> <td><b>7.728(m)</b></td> <td><b>0.035(m)</b></td> <td><b>[NAVD88]</b></td> <td><b>(Computed using GEOID03)]</b></td> </tr> </table> <p style="text-align: center;">UTM COORDINATES                      STATE PLANE COORDINATES</p> <p style="text-align: center;">UTM (Zone 19)                            *** NOTE ***</p> <p>Northing (Y) [meters]                    4643191.730                      Please manually select Easting (X) [meters]                    370289.667                      SPC zone. Convergence [degrees]                   -1.04556828 Point Scale                                0.99980703 Combined Factor                          0.00000000 US NATIONAL GRID DESIGNATOR: 19TCG7029043192(NAD 83)</p>							X:	1581267.816(m)	0.006(m)	1581267.077(m)	0.006(m)	Y:	-4481384.641(m)	0.014(m)	-4481383.199(m)	0.014(m)	Z:	4239811.971(m)	0.020(m)	4239811.899(m)	0.020(m)	<b>LAT:</b>	<b>41 55 48.12873</b>	0.006(m)	41 55 48.16177	0.006(m)	E LON:	289 26 7.86187	0.006(m)	289 26 7.85245	0.006(m)	<b>W LON:</b>	<b>70 33 52.13813</b>	0.006(m)	70 33 52.14755	0.006(m)	EL HGT:	-20.399(m)	0.023(m)	-21.642(m)	0.023(m)	<b>ORTHO HGT:</b>	<b>7.728(m)</b>	<b>0.035(m)</b>	<b>[NAVD88]</b>	<b>(Computed using GEOID03)]</b>
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To convert meters to US survey feet  
Multiply by 3.280833333

		BASE STATIONS USED			
PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)	
DH5837	CTPU PUTNAM CORS ARP	N415358.888	W0715320.889	109944.3	
AF9520	WES2 WESTFORD CORS ARP	N423647.975	W0712935.968	107851.3	
DI0876	ACU5 ACUSHNET 5 CORS ARP	N414436.796	W0705313.027	33859.0	
NEAREST NGS PUBLISHED CONTROL POINT					
LW1535	L 43	N415515.	W0703400.	1040.3	
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>					



To convert meters to US survey feet  
 Multiply by 3.280833333