

Town of Plymouth Data Sheet

Station:	Point 184	Russell Mill Preserve 1		NGS PID#		ID#	
Town:	Plymouth		Quad: Plym				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2793899.315	889069.043	(Survey Ft)	333230.145	832767.255		
(meters)	851582.214	270988.786	(meters)	101568.751	253827.967		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	76.276/23.249		Sketch				
NAVD29	77.100/23.500		Recov. Date:	May 10, 2011			
Marked by:	Iron Rod						
Description:	3' Iron Rod set						
Reference Marks:							
Azimuth Data:							
Geodetic:	FILE: 50371290.110 000223233 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 NGS OPUS SOLUTION REPORT =====						
	All computed coordinate accuracies are listed as peak-to-peak values. For additional information: http://www.ngs.noaa.gov/OPUS/about.html#accuracy USER: rfirth@townhall.plymouth.ma.us DATE: May 10, 2011 RINEX FILE: 50371290.110 TIME: 11:45:23 UTC SOFTWARE: page5 1009.28 master11.pl 121510 START: 2011/05/09 14:04:00 EPHEMERIS: igu16351.eph [ultra-rapid] STOP: 2011/05/09 18:51:00 NAV FILE: brdc1290.11n OBS USED: 9597 / 9899 : 97% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 34 / 37 : 92% ARP HEIGHT: 1.487424 OVERALL RMS: 0.011(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2011.3526) X: 1575484.077(m) 0.021(m) 1575483.297(m) 0.021(m) Y: -4484900.839(m) 0.031(m) -4484899.400(m) 0.031(m) Z: 4238280.310(m) 0.031(m) 4238280.246(m) 0.031(m) LAT: 41 54 40.96264 0.012(m) 41 54 40.99609 0.012(m) E LON: 289 21 20.42945 0.027(m) 289 21 20.41822 0.027(m) W LON: 70 38 39.57055 0.027(m) 70 38 39.58178 0.027(m) EL HGT: -5.031(m) 0.038(m) -6.277(m) 0.038(m) ORTHO HGT: 23.249(m) 0.065(m) [NAVD88 (Computed using GEOID09)] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (2001 MA M) Northing (Y) [meters] 4641244.075 851582.214 Easting (X) [meters] 363630.064 270988.786						

To convert meters to US survey feet
Multiply by 3.280833333

	Convergence [degrees] -1.09854579 0.57478133 Point Scale 0.99982884 0.99997723 Combined Factor 0.99982963 0.99997802 US NATIONAL GRID DESIGNATOR: 19TCG6363041244(NAD 83) BASE STATIONS USED <table><tr><td>PID</td><td>DESIGNATION</td><td>LATITUDE</td><td>LONGITUDE</td><td>DISTANCE(m)</td></tr><tr><td>DE6262</td><td>URIL U OF RI COOP CORS ARP</td><td>N412920.158</td><td>W0713139.778</td><td>87225.4</td></tr><tr><td>DI0964</td><td>FMTS MTS FRAM COOP CORS ARP</td><td>N421800.171</td><td>W0712630.865</td><td>78840.4</td></tr><tr><td>DI0966</td><td>XMTS MTS FOX COOP CORS ARP</td><td>N420350.018</td><td>W0711501.669</td><td>53008.6</td></tr></table> NEAREST NGS PUBLISHED CONTROL POINT LW4623 JENX N415345.272 W0703802.223 1924.6 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.	PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)	DE6262	URIL U OF RI COOP CORS ARP	N412920.158	W0713139.778	87225.4	DI0964	FMTS MTS FRAM COOP CORS ARP	N421800.171	W0712630.865	78840.4	DI0966	XMTS MTS FOX COOP CORS ARP	N420350.018	W0711501.669	53008.6
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