

Town of Plymouth Data Sheet

Station:	Point 179	FORGES FIELD		NGS PID#		ID#	
Town:	Plymouth		Quad: Sag				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2764098.777	896076.302	(Survey Ft)	303429.712	839774.050		
(meters)	842498.992	273124.603	(meters)	92485.561	255963.642		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	126.283/38.491		Sketch				
NAVD29	127.116/38.745		Recov. Date:	March 15, 2011			
Marked by:	X - Cut						
Description:	X – Cut in telephone manhole rim.						
Reference Marks:							
Azimuth Data:							
Geodetic:	<pre> FILE: 50370740.11o 000181202 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: March 15, 2011 RINEX FILE: 5037074o.11o TIME: 21:19:35 UTC SOFTWARE: page5 1009.28 master28.pl 121510 START: 2011/03/15 14:04:00 EPHEMERIS: igu16272.eph [ultra-rapid] STOP: 2011/03/15 19:29:00 NAV FILE: brdc0740.11n OBS USED: 10985 / 11566 : 95% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 47 / 52 : 90% ARP HEIGHT: 1.5026640 OVERALL RMS: 0.012(m) REF FRAME: NAD_83 (CORSG96) (EPOCH:2002.0000) ITRF00 (EPOCH:2011.2019) X: 1579430.798(m) 0.037(m) 1579430.021(m) 0.037(m) Y: -4489966.827(m) 0.037(m) -4489965.387(m) 0.037(m) Z: 4231510.571(m) 0.009(m) 4231510.506(m) 0.009(m) LAT: 41 49 45.86459 0.019(m) 41 49 45.89795 0.019(m) E LON: 289 22 49.03522 0.034(m) 289 22 49.02416 0.034(m) W LON: 70 37 10.96478 0.034(m) 70 37 10.97584 0.034(m) EL HGT: 10.110(m) 0.033(m) 8.862(m) 0.033(m) ORTHO HGT: 38.491(m) 0.058(m) [NAVD88 (Computed using GEOID09)] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (2001 MA M) Northing (Y) [meters] 4632103.806 842498.992 Easting (X) [meters] 365499.572 273124.603 </pre>						

To convert meters to US survey feet
Multiply by 3.2808333333

Convergence [degrees]	-1.08037210	0.59131440
Point Scale	0.99982261	0.99998542
Combined Factor	0.99982103	0.99998383
US NATIONAL GRID DESIGNATOR: 19TCG6549932103(NAD 83)		
BASE STATIONS USED		
PID	DESIGNATION	LATITUDE LONGITUDE DISTANCE(m)
DH5837	CTPU PUTNAM CORS ARP	N415358.888 W0715320.889 105682.6
AF9520	WES2 WESTFORD CORS ARP	N423647.975 W0712935.968 113067.3
DI0966	XMTS MTS FOX COOP CORS ARP	N420350.018 W0711501.669 58428.0
NEAREST NGS PUBLISHED CONTROL POINT		
LW4524	WHITE ISLAND POND	N414826.041 W0703752.288 2645.6
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.		
Grid Azimuth:		



To convert meters to US survey feet
Multiply by 3.280833333