

Town of Plymouth Data Sheet

Station:	Point 172	West Ridge Trail		NGS PID#		ID#	
Town:	Plymouth		Quad: Plym				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2796655.759	872259.698	(Survey Ft)	335986.830	815958.009		
(meters)	852422.380	265865.288	(meters)	102408.990	248704.498		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	135.292/41.237		Sketch				
NAVD29	136.105/41.485		Recov. Date:	Sept. 14,2010			
Marked by:	Punch Mark/Iron Rod						
Description:	4' Iron Rod set in center Cul-De-Sac.						
Reference Marks:							
Azimuth Data:							
Geodetic:	<p>FILE: 50372570.10o 000078977 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: http://www.ngs.noaa.gov/OPUS/about.html#accuracy USER: rfirth@townhall.plymouth.ma.us DATE: September 14, 2010 RINEX FILE: 5037257p.10o TIME: 20:58:52 UTC SOFTWARE: page5 0909.08 master.pl 1009103 START: 2010/09/14 15:02:00 EPHEMERIS: igu16012.eph [ultra-rapid] STOP: 2010/09/14 19:44:00 NAV FILE: brdc2570.10n OBS USED: 10118 / 10769 : 94% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 51 / 61 : 84% ARP HEIGHT: 1.581912 OVERALL RMS: 0.017(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2010.7033) X: 1570464.752(m) 0.043(m) 1570463.982(m) 0.043(m) Y: -4486045.308(m) 0.022(m) -4486043.869(m) 0.022(m) Z: 4238954.315(m) 0.077(m) 4238954.249(m) 0.077(m) LAT: 41 55 9.79893 0.064(m) 41 55 9.83226 0.064(m) E LON: 289 17 38.45725 0.041(m) 289 17 38.44634 0.041(m) W LON: 70 42 21.54275 0.041(m) 70 42 21.55366 0.041(m) EL HGT: 12.865(m) 0.047(m) 11.621(m) 0.047(m) ORTHO HGT: 41.237(m) 0.081(m) [NAVD88 (Computed using GEOID09)]</p> <p style="text-align: center;">UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (2001 MA M) Northing (Y) [meters] 4642233.354 852422.380 Easting (X) [meters] 358533.994 265865.288</p>						

To convert meters to US survey feet
Multiply by 3.2808333333

Convergence [degrees]	-1.13992994	0.53336325
Point Scale	0.99984626	0.99997653
Combined Factor	0.99984424	0.99997452
US NATIONAL GRID DESIGNATOR: 19TCG5853342233(NAD 83)		
BASE STATIONS USED		
PID	DESIGNATION	LATITUDE LONGITUDE DISTANCE(m)
DE6262	URIL U OF RI COOP CORS ARP	N412920.158 W0713139.778 83448.0
DI0964	FMTS MTS FRAM COOP CORS ARP	N421800.171 W0712630.865 74111.2
DI0966	XMTS MTS FOX COOP CORS ARP	N420350.018 W0711501.669 47886.6
NEAREST NGS PUBLISHED CONTROL POINT		
LW4620	MICAJAH	N415544.512 W0704208.789 1112.8
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