

Town of Plymouth Data Sheet

Station:	Point 187	Carver Rd 1		NGS PID#		ID#	
Town:	Plymouth		Quad: Plympton				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2799594.927	860907.276	(Survey Ft)	338926.140	804605.668		
(meters)	853318.240	262405.062	(meters)	103304.894	245244.298		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	153.543/46.800		Sketch				
NAVD29	154.357/47.048		Recov. Date:	June 14, 2011			
Marked by:	Concrete Bound/Drill Hole						
Description:	Town Layout Bound						
Reference Marks:							
Azimuth Data:							
Geodetic:	<pre> FILE: 50371660.11o 000252498 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: June 15, 2011 RINEX FILE: 5037166p.11o TIME: 20:28:41 UTC SOFTWARE: page5 1009.28 master50.pl 061011 START: 2011/06/15 15:30:00 EPHEMERIS: igu16403.eph [ultra-rapid] STOP: 2011/06/15 19:34:30 NAV FILE: brdc1660.11n OBS USED: 6553 / 7390 : 89% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 44 / 56 : 79% ARP HEIGHT: 1.335024 OVERALL RMS: 0.017(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2011.4541) X: 1567003.038(m) 0.014(m) 1567002.257(m) 0.014(m) Y: -4486603.818(m) 0.048(m) -4486602.380(m) 0.048(m) Z: 4239647.876(m) 0.018(m) 4239647.812(m) 0.018(m) LAT: 41 55 39.85123 0.021(m) 41 55 39.88466 0.021(m) E LON: 289 15 8.63948 0.027(m) 289 15 8.62806 0.027(m) W LON: 70 44 51.36052 0.027(m) 70 44 51.37194 0.027(m) EL HGT: 18.373(m) 0.040(m) 17.128(m) 0.040(m) ORTHO HGT: 46.800(m) 0.069(m) [NAVD88 (Computed using GEOID09)] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (2001 MA M) Northing (Y) [meters] 4643229.750 853318.240 Easting (X) [meters] 355101.829 262405.062 Convergence [degrees] -1.16793654 0.50540856 </pre>						

To convert meters to US survey feet
Multiply by 3.2808333333

Point Scale	0.99985835	0.99997583
Combined Factor	0.99985547	0.99997295
US NATIONAL GRID DESIGNATOR: 19TCG5510143229(NAD 83)		
BASE STATIONS USED		
PID	DESIGNATION	LATITUDE LONGITUDE DISTANCE(m)
DE6262	URIL U OF RI COOP CORS ARP	N412920.158 W0713139.778 81183.4
DH5837	CTPU PUTNAM CORS ARP	N415358.888 W0715320.889 94755.0
DI0966	XMTS MTS FOX COOP CORS ARP	N420350.018 W0711501.669 44325.3
NEAREST NGS PUBLISHED CONTROL POINT		
LW4629	DENHAMS BARN CUPOLA	N415541.772 W0704446.405 128.6
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