

Town of Plymouth Data Sheet

Station:	Point 160	Pine Hills S.B.		NGS PID#		ID#	
Town:	Plymouth		Quad: Plym				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2797299.648	903789.771	(Survey Ft)	336630.222	847487.983		
(meters)	852618.638	275475.673	(meters)	102605.097	258314.854		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:	C.H.R. 1906			
NAVD88	373.762/113.923		Sketch				
NAVD29	374.592/114.176		Recov. Date:	November 3, 2009			
Marked by:	Stone Bound						
Description:	Stone Bound engraves "C.H.R. 1906"						
Reference Marks:							
Azimuth Data:							
Geodetic:	<p>FILE: 50373070.09o 000004978 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: November 03, 2009 RINEX FILE: 5037307o.09o TIME: 19:39:07 UTC SOFTWARE: page5 0909.08 master23.pl 081023 START: 2009/11/03 14:23:00 EPHEMERIS: igu15562.eph [ultra-rapid] STOP: 2009/11/03 18:39:00 NAV FILE: brdc3070.09n OBS USED: 7849 / 8439 : 93% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 52 / 58 : 90% ARP HEIGHT: 1.054608 OVERALL RMS: 0.021(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2009.8402) X: 1579529.612(m) 0.107(m) 1579528.855(m) 0.107(m) Y: -4482848.090(m) 0.124(m) -4482846.649(m) 0.124(m) Z: 4239077.609(m) 0.040(m) 4239077.540(m) 0.040(m) LAT: 41 55 13.04856 0.084(m) 41 55 13.08177 0.084(m) E LON: 289 24 35.59517 0.142(m) 289 24 35.58497 0.142(m) W LON: 70 35 24.40483 0.142(m) 70 35 24.41503 0.142(m) EL HGT: 85.746(m) 0.053(m) 84.501(m) 0.053(m) ORTHO HGT: 113.923(m) 0.067(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] 4642148.880 852618.638 Easting (X) [meters] 368144.602 275475.673</p>						

To convert meters to US survey feet
Multiply by 3.2808333333

Convergence [degrees]	-1.06250066	0.61119756
Point Scale	0.99981394	0.99997646
Combined Factor	0.99980049	0.99996301
US NATIONAL GRID DESIGNATOR: 19TCG6814442148(NAD 83)		
BASE STATIONS USED		
PID	DESIGNATION	LATITUDE LONGITUDE DISTANCE(m)
DI0966	XMTS MTS FOX COOP CORS ARP	N420350.018 W0711501.669 56995.1
DI0876	ACU5 ACUSHNET 5 CORS ARP	N414436.796 W0705313.027 31517.9
DI0884	ACU6 ACUSHNET 6 CORS ARP	N414435.676 W0705311.720 31515.9
NEAREST NGS PUBLISHED CONTROL POINT		
LW5750	10355	N415457.361 W0703524.652 485.1
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