

Town of Plymouth Data Sheet

Station:	Point 154	Fresh Pond 2		NGS PID#		ID#	
Town:	Plymouth		Quad: Man				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2790290.853	913539.454	(Survey Ft)	329621.309	857237.527		
(meters)	850482.353	278447.382	(meters)	100468.776	261286.521		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	19.291/5.880		Sketch				
NAVD29	20.131/6.136		Recov. Date:	July 6,2009			
Marked by:	Iron Rod						
Description:	3' Iron Rod set						
Reference Marks:							
Azimuth Data:							
Geodetic:	FILE: 50371870.090 000072131 NGS OPUS SOLUTION REPORT ===== All computed coordinate accuracies are listed as peak-to-peak values. For additional information: www.ngs.noaa.gov/OPUS/Using_OPUS.html#accuracy USER: rfirth@townhall.plymouth.ma.us DATE: July 08, 2009 RINEX FILE: 50371870.090 TIME: 12:57:59 UTC SOFTWARE: page5 0810.20 master28.pl 081023 START: 2009/07/06 14:41:00 EPHEMERIS: igr15391.eph [rapid] STOP: 2009/07/06 18:44:00 NAV FILE: brdc1870.09n OBS USED: 3574 / 7540 : 47% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 60 / 85 : 71% ARP HEIGHT: 1.487424 OVERALL RMS: 0.023(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2009.5115) X: 1582765.180(m) 0.414(m) 1582764.429(m) 0.414(m) Y: -4483157.636(m) 0.384(m) -4483156.194(m) 0.384(m) Z: 4237391.649(m) 0.111(m) 4237391.579(m) 0.111(m) LAT: 41 54 2.76326 0.303(m) 41 54 2.79642 0.303(m) E LON: 289 26 43.52746 0.362(m) 289 26 43.51756 0.362(m) W LON: 70 33 16.47254 0.362(m) 70 33 16.48244 0.362(m) EL HGT: -22.281(m) 0.331(m) -23.526(m) 0.331(m) ORTHO HGT: 5.880(m) 0.332(m) [NAVD88 (Computed using GEOID03)] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (2001 MA M) Northing (Y) [meters] 4639927.091 850482.353 Easting (X) [meters] 371052.165 278447.382 Convergence [degrees] -1.03835450 0.63506861 Point Scale 0.99980461 0.99997817 Combined Factor 0.99980810 0.99998167 US NATIONAL GRID DESIGNATOR: 19TCG7105239927(NAD 83) BASE STATIONS USED						

To convert meters to US survey feet
Multiply by 3.280833333

	PID DESIGNATION LATITUDE LONGITUDE DISTANCE(m) DE6262 URIL U OF RI COOP CORS ARP N412920.158 W0713139.778 93029.6 DI0964 FMTS MTS FRAM COOP CORS ARP N421800.171 W0712630.865 85757.4 DI0966 XMTS MTS FOX COOP CORS ARP N420350.018 W0711501.669 60450.2 NEAREST NGS PUBLISHED CONTROL POINT LW1533 N 43 N415400. W0703259. 411.1 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