

Town of Plymouth Data Sheet

Station:	Point 190	FORGES FIELD		NGS PID#		ID#	
Town:	Plymouth		Quad: Carv				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2800843.434	865260.673	(Survey Ft)	340174.567	808959.068		
(meters)	853698.786	263731.981	(meters)	103685.415	246571.217		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	126.896/38.678		Sketch				
NAVD29	127.71/38.926		Recov. Date:	July 12,2011			
Marked by:	Spike						
Description:							
Reference Marks:							
Azimuth Data:							
Geodetic:	FILE: 50371930.110 000278657 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: July 19, 2011 RINEX FILE: 5037193m.110 TIME: 18:23:47 UTC SOFTWARE: page5 1106.16 master50.pl 062011 START: 2011/07/12 12:17:00 EPHEMERIS: igr16442.eph [rapid] STOP: 2011/07/12 17:26:00 NAV FILE: brdc1930.11n OBS USED: 9492 / 10020 : 95% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 50 / 52 : 96% ARP HEIGHT: 1.55448 OVERALL RMS: 0.015(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2011.5277) X: 1568175.617(m) 0.049(m) 1568174.835(m) 0.049(m) Y: -4485926.734(m) 0.037(m) -4485925.296(m) 0.037(m) Z: 4239916.779(m) 0.018(m) 4239916.715(m) 0.018(m) LAT: 41 55 51.80165 0.028(m) 41 55 51.83510 0.028(m) E LON: 289 16 6.37897 0.034(m) 289 16 6.36752 0.034(m) W LON: 70 43 53.62103 0.034(m) 70 43 53.63248 0.034(m) EL HGT: 10.282(m) 0.044(m) 9.037(m) 0.044(m) ORTHO HGT: 38.678(m) 0.076(m) [NAVD88 (Computed using GEOID09)] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (2001 MA M) Northing (Y) [meters] 4643571.343 853698.786 Easting (X) [meters] 356439.134 263731.981 Convergence [degrees] -1.15728866 0.51618224 Point Scale 0.99985361 0.99997556 Combined Factor 0.99985200 0.99997395 US NATIONAL GRID DESIGNATOR: 19TCG5643943571(NAD 83)						

To convert meters to US survey feet
Multiply by 3.2808333333

	BASE STATIONS USED			
	PID	DESIGNATION	LATITUDE	LONGITUDE DISTANCE(m)
	DI0964	FMTS MTS FRAM COOP CORS ARP	N421800.171	W0712630.865 71630.2
	DI0966	XMTS MTS FOX COOP CORS ARP	N420350.018	W0711501.669 45454.7
	DH5837	CTPU PUTNAM CORS ARP	N415358.888	W0715320.889 96095.0
	NEAREST NGS PUBLISHED CONTROL POINT			
	LW4629	DENHAMS BARN CUPOLA	N415541.772	W0704446.405 1253.3
	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