

Town of Plymouth Data Sheet

Station:	Point 204	Rte 3A		NGS PID#		ID#	
Town:	Plymouth		Quad: Plym				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2804631.545	895509.269	(Survey Ft)	343962.195	839207.617		
(meters)	854853.405	272951.771	(meters)	104839.887	255790.993		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	13.545/4.128		Sketch				
NAVD29	14.373/4.381		Recov. Date:	January 25, 2012			
Marked by:	Mass Highway Concrete Bound						
Description:	Mass Highway Bound/Center Back Edge						
Reference Marks:							
Azimuth Data:							
Geodetic:	<pre> FILE: 50370250.12o OP1327611722866 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: January 26, 2012 RINEX FILE: 50370250.12o TIME: 21:02:54 UTC SOFTWARE: page5 1108.09 master81.pl 060711 START: 2012/01/25 14:05:00 EPHEMERIS: igr16723.eph [rapid] STOP: 2012/01/25 20:02:00 NAV FILE: brdc0250.12n OBS USED: 12752 / 13161 : 97% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 53 / 60 : 88% ARP HEIGHT: 1.514856 OVERALL RMS: 0.013(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2012.0675) X: 1576642.218(m) 0.019(m) 1576641.427(m) 0.019(m) Y: -4482176.105(m) 0.025(m) -4482174.668(m) 0.025(m) Z: 4240686.453(m) 0.024(m) 4240686.391(m) 0.024(m) LAT: 41 56 26.33650 0.010(m) 41 56 26.37006 0.010(m) E LON: 289 22 47.06765 0.023(m) 289 22 47.05596 0.023(m) W LON: 70 37 12.93235 0.023(m) 70 37 12.94404 0.023(m) EL HGT: -24.067(m) 0.031(m) -25.312(m) 0.031(m) ORTHO HGT: 4.128(m) 0.054(m) [NAVD88 (Computed using GEOID09)] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (2001 MA M) Northing (Y) [meters] 4644456.053 854853.405 Easting (X) [meters] 365687.443 272951.771 Convergence [degrees] -1.08307854 0.59094726 Point Scale 0.99982198 0.99997479 Combined Factor 0.99982576 0.99997857 US NATIONAL GRID DESIGNATOR: 19TCG6568744456(NAD 83) BASE STATIONS USED </pre>						

To convert meters to US survey feet
Multiply by 3.280833333

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DI0964	FMTS MTS FRAM COOP CORS ARP	N421800.171	W0712630.865	78804.4
DE6262	URIL U OF RI COOP CORS ARP	N412920.158	W0713139.778	90663.6
DI0966	XMTS MTS FOX COOP CORS ARP	N420350.018	W0711501.669	53975.8
NEAREST NGS PUBLISHED CONTROL POINT				
LW4457	PLYMOUTH GRAY BLACK TOPPED CHY	N415626.096	W0703624.567	1112.5
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:				



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