

Town of Plymouth Data Sheet

Station:	Point 134	Billington Street		NGS PID#		ID#	
Town:	Plymouth		Quad: Plym				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2808382.24527	881045.9776	(Survey Ft)	347713.07370	824744.42924		
(meters)	855996.62035	268543.35106	(meters)	105983.15683	251382.6048		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	65.728/20.034		Sketch				
NAVD29	66.55/20.285		Recov. Date:	January 8, 2008			
Marked by:	Bonnet Bolt						
Description:	Hydrant Bonnet Bolt Elevation						
Reference Marks:							
Azimuth Data:							
Geodetic:	NGS OPUS SOLUTION REPORT ===== USER: rfirth@townhall.plymouth.ma.us DATE: January 09, 2008 RINEX FILE: 50370080.080 TIME: 16:02:58 UTC SOFTWARE: page5 0612.06 master.pl START: 2008/01/08 14:19:00 EPHEMERIS: igu14612.eph [ultra-rapid] STOP: 2008/01/08 19:14:00 NAV FILE: brdc0080.08n OBS USED: 7106 / 8466 : 84% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 43 / 43 : 100% ARP HEIGHT: 0.615696 OVERALL RMS: 0.013(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2008.0210) X: 1572234.707(m) 0.004(m) 1572233.968(m) 0.004(m) Y: -4482895.519(m) 0.024(m) -4482894.080(m) 0.024(m) Z: 4241580.101(m) 0.007(m) 4241580.036(m) 0.007(m) LAT: 41 57 4.81804 0.011(m) 41 57 4.85120 0.011(m) E LON: 289 19 36.17755 0.012(m) 289 19 36.16795 0.012(m) W LON: 70 40 23.82245 0.012(m) 70 40 23.83205 0.012(m) EL HGT: -8.245(m) 0.019(m) -9.480(m) 0.019(m) ORTHO HGT: 20.034(m) 0.031(m) [Geoid03 NAVD88] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) *** NOTE *** Northing (Y) [meters] 4645727.382 Please manually select SPC zone. Easting (X) [meters] 361314.937 Convergence [degrees] -1.11876692 Point Scale 0.99983667 Combined Factor 0.00000000 US NATIONAL GRID DESIGNATOR: 19TCG6131545727(NAD 83) BASE STATIONS USED PID DESIGNATION LATITUDE LONGITUDE DISTANCE(m)						

To convert meters to US survey feet
Multiply by 3.2808333333

	DH5837 CTPU PUTNAM CORS ARP N415358.888 W0715320.889 101013.2 AF9520 WES2 WESTFORD CORS ARP N423647.975 W0712935.968 99909.6 DI0876 ACU5 ACUSHNET 5 CORS ARP N414436.796 W0705313.027 29111.8 NEAREST NGS PUBLISHED CONTROL POINT LW5763 10331 N415706.223 W0704047.197 539.3 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