

Town of Plymouth Data Sheet

Station:	Point 159	Channing Court		NGS PID#		ID#																																																											
Town:	Plymouth		Quad: Plym																																																														
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly																																																												
(Survey Ft)	2799823.931	868898.433	(Survey Ft)	339155.020	812596.801																																																												
(meters)	853388.041	264840.772	(meters)	103374.657	247680.000																																																												
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Elevation	Vert. Datum f/m	Order	Stamping:																																																														
NAVD88	166.804/50.842		Sketch																																																														
NAVD29	167.618/51.090		Recov. Date:	Oct 22, 2009																																																													
Marked by:	CB/Dh																																																																
Description:	CB/Dh																																																																
Reference Marks:																																																																	
Azimuth Data:																																																																	
Geodetic:	<p>FILE: 50372950.09o 000134895</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: www.ngs.noaa.gov/OPUS/Using_OPUS.html#accuracy</p> <p>USER: rfirth@townhall.plymouth.ma.us DATE: October 26, 2009 RINEX FILE: 5037295n.09o TIME: 15:19:14 UTC SOFTWARE: page5 0909.08 master10.pl 081023 START: 2009/10/22 13:12:00 EPHEMERIS: igr15544.eph [rapid] STOP: 2009/10/22 19:14:00 NAV FILE: brdc2950.09n OBS USED: 11241 / 11768 : 96% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 51 / 58 : 88% ARP HEIGHT: 1.658112 OVERALL RMS: 0.011(m)</p> <p>REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2009.8073)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">X:</td> <td style="width: 35%;">1569293.329(m)</td> <td style="width: 15%;">0.025(m)</td> <td style="width: 15%;">1569292.573(m)</td> <td style="width: 20%;">0.025(m)</td> </tr> <tr> <td>Y:</td> <td>-4485772.560(m)</td> <td>0.047(m)</td> <td>-4485771.120(m)</td> <td>0.047(m)</td> </tr> <tr> <td>Z:</td> <td>4239686.235(m)</td> <td>0.057(m)</td> <td>4239686.166(m)</td> <td>0.057(m)</td> </tr> <tr> <td>LAT:</td> <td>41 55 41.40355</td> <td>0.026(m)</td> <td>41 55 41.43673</td> <td>0.026(m)</td> </tr> <tr> <td>E LON:</td> <td>289 16 54.38137</td> <td>0.037(m)</td> <td>289 16 54.37103</td> <td>0.037(m)</td> </tr> <tr> <td>W LON:</td> <td>70 43 5.61863</td> <td>0.037(m)</td> <td>70 43 5.62897</td> <td>0.037(m)</td> </tr> <tr> <td>EL HGT:</td> <td>22.452(m)</td> <td>0.066(m)</td> <td>21.209(m)</td> <td>0.066(m)</td> </tr> <tr> <td>ORTHO HGT:</td> <td>50.842(m)</td> <td>0.071(m)</td> <td colspan="2">[NAVD88 (Computed using GEOID03)]</td> </tr> </table> <p style="text-align: center;">UTM COORDINATES STATE PLANE COORDINATES</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 35%;"></td> <td style="width: 30%;">UTM (Zone 19)</td> <td style="width: 35%;">SPC (2001 MA M)</td> </tr> <tr> <td>Northing (Y) [meters]</td> <td>4643228.393</td> <td>853388.041</td> </tr> <tr> <td>Easting (X) [meters]</td> <td>357538.241</td> <td>264840.772</td> </tr> <tr> <td>Convergence [degrees]</td> <td>-1.14830945</td> <td>0.52513907</td> </tr> <tr> <td>Point Scale</td> <td>0.99984974</td> <td>0.99997580</td> </tr> <tr> <td>Combined Factor</td> <td>0.99984622</td> <td>0.99997228</td> </tr> </table>							X:	1569293.329(m)	0.025(m)	1569292.573(m)	0.025(m)	Y:	-4485772.560(m)	0.047(m)	-4485771.120(m)	0.047(m)	Z:	4239686.235(m)	0.057(m)	4239686.166(m)	0.057(m)	LAT:	41 55 41.40355	0.026(m)	41 55 41.43673	0.026(m)	E LON:	289 16 54.38137	0.037(m)	289 16 54.37103	0.037(m)	W LON:	70 43 5.61863	0.037(m)	70 43 5.62897	0.037(m)	EL HGT:	22.452(m)	0.066(m)	21.209(m)	0.066(m)	ORTHO HGT:	50.842(m)	0.071(m)	[NAVD88 (Computed using GEOID03)]			UTM (Zone 19)	SPC (2001 MA M)	Northing (Y) [meters]	4643228.393	853388.041	Easting (X) [meters]	357538.241	264840.772	Convergence [degrees]	-1.14830945	0.52513907	Point Scale	0.99984974	0.99997580	Combined Factor	0.99984622	0.99997228
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To convert meters to US survey feet
Multiply by 3.280833333

	US NATIONAL GRID DESIGNATOR: 19TCG5753843228(NAD 83) BASE STATIONS USED <table border="1"> <thead> <tr> <th>PID</th> <th>DESIGNATION</th> <th>LATITUDE</th> <th>LONGITUDE</th> <th>DISTANCE(m)</th> </tr> </thead> <tbody> <tr> <td>DI0966</td> <td>XMTS MTS FOX COOP CORS ARP</td> <td>N420350.018</td> <td>W0711501.669</td> <td>46604.8</td> </tr> <tr> <td>DI0876</td> <td>ACU5 ACUSHNET 5 CORS ARP</td> <td>N414436.796</td> <td>W0705313.027</td> <td>24836.9</td> </tr> <tr> <td>DI0884</td> <td>ACU6 ACUSHNET 6 CORS ARP</td> <td>N414435.676</td> <td>W0705311.720</td> <td>24848.5</td> </tr> </tbody> </table> NEAREST NGS PUBLISHED CONTROL POINT LW4620 MICAJAH N415544.512 W0704208.789 1310.9 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.	PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)	DI0966	XMTS MTS FOX COOP CORS ARP	N420350.018	W0711501.669	46604.8	DI0876	ACU5 ACUSHNET 5 CORS ARP	N414436.796	W0705313.027	24836.9	DI0884	ACU6 ACUSHNET 6 CORS ARP	N414435.676	W0705311.720	24848.5
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