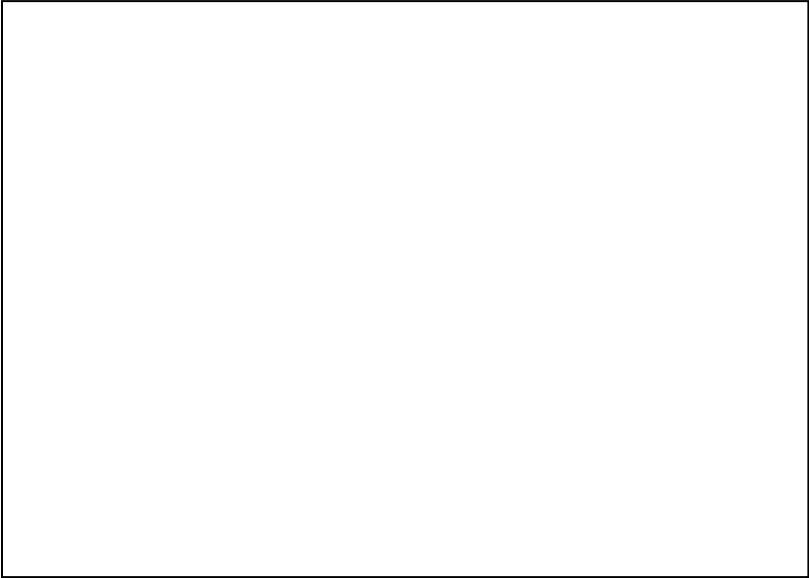


Town of Plymouth Data Sheet

Station:	Point 219	GRACE WAY		NGS PID#		ID#	
Town:	Plymouth		Quad: Barn				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2755247.092	909382.680	(Survey Ft)	294577.817	853080.245		
(meters)	839800.993	277180.395	(meters)	89787.498	260019.379		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	98.678/30.077		Sketch				
NAVD29	99.521/30.334		Recov. Date:	Sept. 16 th 2014			
Marked by:	Iron Rod						
Description:	3' Iron Rod set						
Reference Marks:							
Azimuth Data:							
Geodetic:	FILE: 50372610.14o OP1411565679930 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.jsp#accuracy USER: RFIRTH@TOWNHALL.PLYMOUTH.MA.US DATE: September 24, 2014 RINEX FILE: 5037261n.14o TIME: 13:35:24 UTC SOFTWARE: page5 1209.04 master51.pl 022814 START: 2014/09/18 13:02:00 EPHEMERIS: igr18104.eph [rapid] STOP: 2014/09/18 19:07:00 NAV FILE: brdc2610.14n OBS USED: 13732 / 14762 : 93% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 73 / 80 : 91% ARP HEIGHT: 1.542288 OVERALL RMS: 0.014(m) REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2014.7141) X: 1583834.144(m) 0.008(m) 1583833.297(m) 0.008(m) Y: -4490346.708(m) 0.014(m) -4490345.267(m) 0.014(m) Z: 4229462.250(m) 0.009(m) 4229462.232(m) 0.009(m) LAT: 41 48 17.02660 0.001(m) 41 48 17.06162 0.001(m) E LON: 289 25 43.51636 0.012(m) 289 25 43.50252 0.012(m) W LON: 70 34 16.48364 0.012(m) 70 34 16.49748 0.012(m) EL HGT: 1.720(m) 0.013(m) 0.485(m) 0.013(m) ORTHO HGT: 30.077(m) 0.025(m) [NAVD88 (Computed using GEOID12A)] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (2001 MA M)						

To convert meters to US survey feet
Multiply by 3.280833333

	Northing (Y) [meters] 4629289.130 839800.993 Easting (X) [meters] 369474.260 277180.395 Convergence [degrees] -1.04753035 0.62387106 Point Scale 0.99980965 0.99998828 Combined Factor 0.99980938 0.99998801 US NATIONAL GRID DESIGNATOR: 19TCG6947429289(NAD 83) BASE STATIONS USED PID DESIGNATION LATITUDE LONGITUDE DISTANCE(m) DO9467 MADA DARTMOUTH CORS ARP N413822.848 W0710141.393 42208.8 DI0884 ACU6 ACUSHNET 6 CORS ARP N414435.676 W0705311.720 27093.5 DO9475 MATU TRURO CORS ARP N415851.708 W0700236.891 47969.3 NEAREST NGS PUBLISHED CONTROL POINT LW4467 EASTON FLAGSTAFF N414805.259 W0703340.379 908.3 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