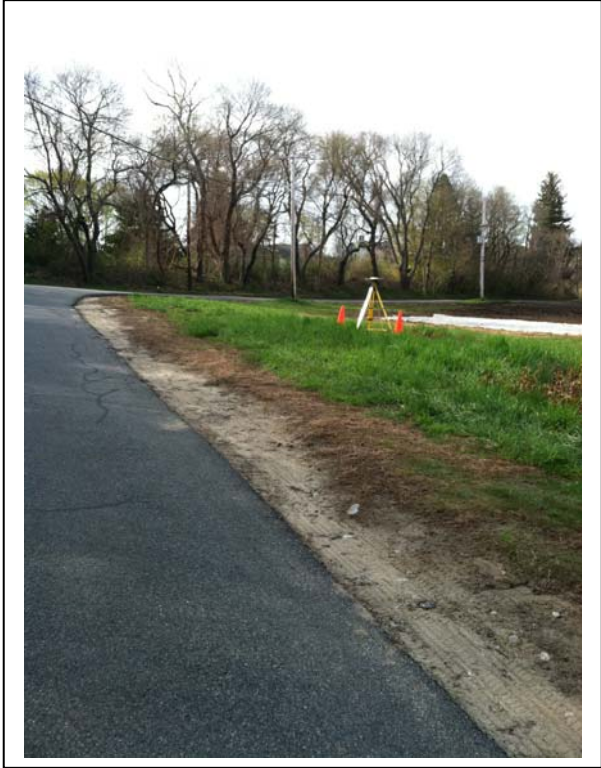


Town of Plymouth Data Sheet

Station:	Point 214	CLIFFORD RD 1		NGS PID#		ID#	
Town:	Plymouth		Quad: Plym				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2800309.123	897674.985	(Survey Ft)	339639.771	841373.262		
(meters)	853535.928	273611.883	(meters)	103522.409	256451.083		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	47.877/14.593		Sketch				
NAVD29	48.704/14.845		Recov. Date:	April 29, 2013			
Marked by:	Galv. Spike set						
Description:							
Reference Marks:							
Azimuth Data:							
Geodetic:	FILE: 50371190.130 OP1367327338601 2005 NOTE: The IGS precise and IGS rapid orbits were not available 2005 at processing time. The IGS ultra-rapid orbit was/will be used to 2005 process the data. 2005 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: April 30, 2013 RINEX FILE: 5037119m.130 TIME: 13:09:41 UTC SOFTWARE: page5 1209.04 master51.pl 082112 START: 2013/04/29 12:24:00 EPHEMERIS: igu17381.eph [ultra-rapid] STOP: 2013/04/29 16:41:00 NAV FILE: brdc1190.13n OBS USED: 7788 / 7968 : 98% ANT NAME: TRM33429.00+GP NONE # FIXED AMB: 34 / 35 : 97% ARP HEIGHT: 1.502664 OVERALL RMS: 0.011(m) REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2013.3250) X: 1577548.316(m) 0.004(m) 1577547.489(m) 0.004(m) Y: -4482803.708(m) 0.002(m) -4482802.267(m) 0.002(m) Z: 4239708.293(m) 0.003(m) 4239708.270(m) 0.003(m) LAT: 41 55 43.41481 0.002(m) 41 55 43.44964 0.002(m) E LON: 289 23 15.12800 0.005(m) 289 23 15.11491 0.005(m) W LON: 70 36 44.87200 0.005(m) 70 36 44.88509 0.005(m) EL HGT: -13.628(m) 0.003(m) -14.859(m) 0.003(m) ORTHO HGT: 14.593(m) 0.013(m) [NAVD88 (Computed using GEOID12A)] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (2001 MA M) Northing (Y) [meters] 4643120.062 853535.928 Easting (X) [meters] 366308.692 273611.883						

To convert meters to US survey feet
Multiply by 3.2808333333

	Convergence [degrees] -1.07761707 0.59618308				
	Point Scale 0.99981994 0.99997575				
	Combined Factor 0.99982208 0.99997789				
	US NATIONAL GRID DESIGNATOR: 19TCG6630843120(NAD 83)				
	BASE STATIONS USED				
	PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
		XMTS			54952.4
		FMTS			80040.6
		URIL			90488.9
	NEAREST NGS PUBLISHED CONTROL POINT				
	LW1539	H 43	N415618.	W0703627.	1145.7
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