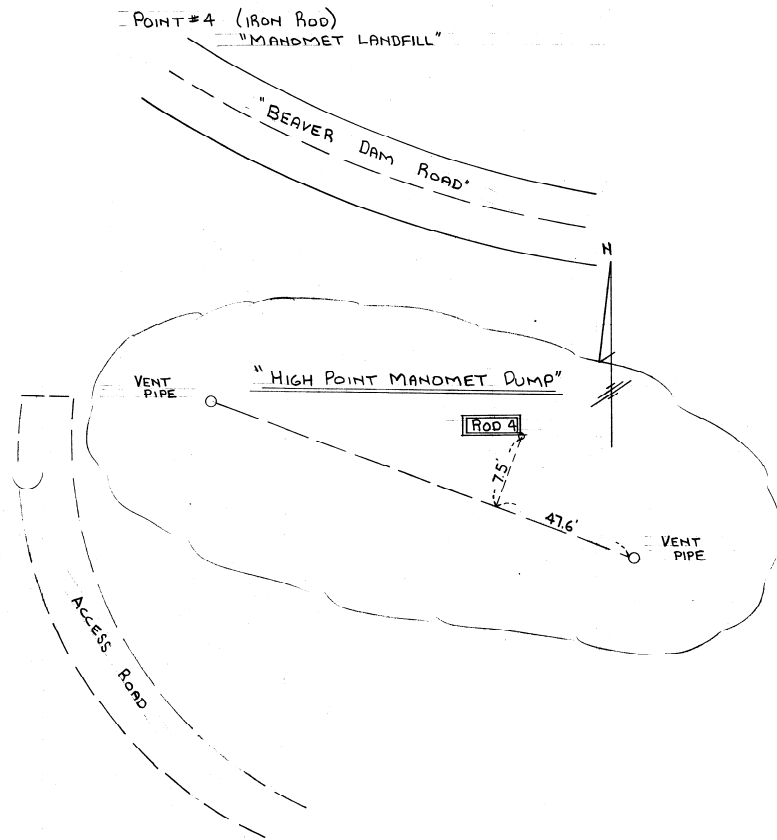


Town of Plymouth Data Sheet

Station:	Point 4	Manomet Dump		NGS PID#		ID#	
Town:	Plymouth		Quad: Man.				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2786683.59156	906393.02375	(Survey Ft)	326014.1876	850091.06854		
(meters)	849382.85747	276269.14618	(meters)	99369.3231	259108.2759		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:	4			
NAVD88	225.387/68.698		Sketch	See Book			
NAVD29	226.22/68.951		Recov. Date:	Oct 20, 2005			
Marked by:	Iron Rod						
Description:	3' Iron Rod set high point on dump 47.6' from vent.						
Reference Marks:							
Azimuth Data:							
Geodetic:	<pre> NGS OPUS SOLUTION REPORT ===== USER: rfirth@townhall.plymouth.ma.us DATE: October 20, 2005 RINEX FILE: 5037293m.05o TIME: 18:26:59 UTC SOFTWARE: page5 0411.19 master30.pl START: 2005/10/20 12:02:00 EPHEMERIS: igul3454.eph [ultra-rapid] STOP: 2005/10/20 16:47:00 NAV FILE: brdc2930.05n OBS USED: 7835 / 7941 : 99% ANT NAME: TRM33429.00+GP # FIXED AMB: 35 / 35 : 100% ARP HEIGHT: 1.33959868 OVERALL RMS: 0.013(m) REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2005.8016) X: 1580954.282(m) 0.005(m) 1580953.581(m) 0.005(m) Y: -4484607.721(m) 0.026(m) -4484606.277(m) 0.026(m) Z: 4236632.890(m) 0.024(m) 4236632.814(m) 0.024(m) LAT: 41 53 27.89981 0.022(m) 41 53 27.93250 0.022(m) E LON: 289 25 8.51570 0.006(m) 289 25 8.50785 0.006(m) W LON: 70 34 51.48430 0.006(m) 70 34 51.49215 0.006(m) EL HGT: 40.478(m) 0.026(m) 39.240(m) 0.026(m) ORTHO HGT: 68.698(m) 0.036(m) [Geoid03 NAVD88] UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) SPC (3002 NM C) Northing (Y) [meters] 4638891.845 473095.174 Easting (X) [meters] 368843.129 465681.137 Convergence [degrees] -1.05578881 -0.21778427 Point Scale 0.99981168 0.99991451 Combined Factor 0.99962531 0.99966983 US NATIONAL GRID DESIGNATOR: 19TCG6884338892(NAD 83) BASE STATIONS USED PID DESIGNATION LATITUDE LONGITUDE DISTANCE(m) DH5837 CTPU PUTNAM CORS ARP N415358.888 W0715320.889 108562.8 </pre>						

To convert meters to US survey feet
Multiply by 3.280833333

	DF9215 ZBW1 BOSTON WAAS 1 CORS ARP	N424408.559	W0712849.518	119584.5
	AJ8472 ACU1 ACUSHNET 1 CORS ARP	N414436.796	W0705313.026	30246.5
Grid Azimuth:				
	4 Hour observation 10-17-06 raf/jd			



To convert meters to US survey feet
 Multiply by 3.280833333