

Survey Control Monuments



Town of Middletown,
Rhode Island

February 7, 2006



CHAS. H. SELLS, INC.

Consulting Engineers, Surveyors & Photogrammetrists

Charlton, Massachusetts



RESEVOIR

PO 010

M1A

M1B

APORT

M4A

M4B

M2B

M2A

M5A

M5B

NE002

M3B

M3A

OP3



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MIDDLETOWN,
RHODE ISLAND
7-Feb-06

SURVEY CONTROL MONUMENTS

Coordinate System US State Plane 1983 Zone Rhode Island 3800
 Project Datum NAD 1983(1996) (Conus)
 Vertical Datum NAVD 88 Geoid Model GEOID_03-CONUS
 Coordinate Units US survey feet
 Distance Units US survey feet
 Height Units US survey feet

PNT NO.	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE	HEIGHT	STATION NAME
900	165785.775	385156.817	143.98	41°32'17.30863"N	71°17'29.51200"W	45.93	M1A
901	164440.789	384787.753	144.29	41°32'04.02934"N	71°17'34.40737"W	46.26	M1B
902	157382.048	382554.523	99.45	41°30'54.34276"N	71°18'03.98499"W	1.27	M2A
903	159380.293	382921.223	63.79	41°31'14.07653"N	71°17'59.10396"W	-34.37	M2B
904	147832.074	389148.295	65.87	41°29'19.83245"N	71°16'37.63510"W	-32.38	M3A
905	148187.594	386783.999	8.84	41°29'23.40394"N	71°17'08.68905"W	-89.40	M3B
906	163440.828	390588.784	187.38	41°31'54.00564"N	71°16'18.16632"W	89.29	M4A
907	161481.393	389447.554	176.25	41°31'34.67652"N	71°16'33.23812"W	78.00	M4B
908	155357.804	396619.964	95.70	41°30'33.98280"N	71°14'59.17558"W	-2.33	M5A
909	155306.979	398224.903	24.25	41°30'33.43423"N	71°14'38.08292"W	-73.71	M5B

Coordinate System US State Plane 1983 Zone Rhode Island 3800
 Project Datum NAD 1983(1996) (Conus)
 Vertical Datum NAVD 88 Geoid Model GEOID_03-CONUS
 Coordinate Units Meters
 Distance Units Meters
 Height Units Meters

PNT NO.	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE	HEIGHT	STATION NAME
900	50531.6051	117396.0326	43.884	41°32'17.30863"N	71°17'29.51200"W	14.000	M1A
901	50121.6528	117283.5416	43.978	41°32'04.02934"N	71°17'34.40737"W	14.099	M1B
902	47970.1442	116602.8519	30.313	41°30'54.34276"N	71°18'03.98499"W	0.389	M2A
903	48579.2104	116714.6222	19.443	41°31'14.07653"N	71°17'59.10396"W	-10.475	M2B
904	45059.3063	118612.6375	20.077	41°29'19.83245"N	71°16'37.63510"W	-9.869	M3A
905	45167.6689	117891.9986	2.693	41°29'23.40394"N	71°17'08.68905"W	-27.249	M3B
906	49816.8641	119051.6994	57.115	41°31'54.00564"N	71°16'18.16632"W	27.217	M4A
907	49219.6269	118703.8519	53.722	41°31'34.67652"N	71°16'33.23812"W	23.773	M4B
908	47353.1533	120890.0067	29.169	41°30'33.98280"N	71°14'59.17558"W	-0.711	M5A
909	47337.6618	121379.1933	7.393	41°30'33.43423"N	71°14'38.08292"W	-22.466	M5B

MI



W VIEW RD

COLONY DR

ARRUDA TER

SWAND DR

BARTON LN

JEPSON LN

SQUANTUM DR

NORTHAM DR

POCONO RD

OLIPHANT LN

M1A

FAIRWAY DR

BROWNS LN

SUSAN CT

JAMES FRANCIS TER

APORT

M1B

W MAIN RD

VANICEK AVE

FOREST AVE

BLOOM CT

Original Horizontal Coordinates:

NAD 83 Geographic

Translated Horizontal Coordinates:

NAD 83, Rhode Island - 3800, U.S. Survey Feet

Input Vertical Coordinates: NAVD 88, Meters

Output Vertical Coordinates: NAVD 88, U.S. Survey Feet

Name	Input	Output
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900-M1A	41 32 17.30863 N	165785.77446 N
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	71 17 29.51200 W	385156.81724 E
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Elevation	43.88400	143.97609
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Convergence		00 08 17.66370
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Scale Factor		0.999997473
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Combined Factor	0.9999990586	
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Original Horizontal Coordinates:

NAD 83 Geographic

Translated Horizontal Coordinates:

NAD 83, Rhode Island - 3800, U.S. Survey Feet

Input Vertical Coordinates: NAVD 88, Meters

Output Vertical Coordinates: NAVD 88, U.S. Survey Feet

Name	Input	Output
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901-M1B	41 32 04.02934 N	164440.78841 N
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	71 17 34.40737 W	384787.75320 E
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Elevation	43.97800	144.28449
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Convergence		00 08 14.38154
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Scale Factor		0.999997425
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Combined Factor	0.9999990523	
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