



WAVE AVE

M3B

AQUINECK AVE

WARREN AVE

RENFREW AVE

BRIARWOOD AVE

ALLSTON AVE

CENTER AVE

CRESCENT RD

ELLERY AVE

RENFREW PARK

PURGATORY RD

M3A

CREST ST

EASTON WAY

ODONNELL RD

ESPLANADE

ALLSTON AVE

EASTON TER

WOLCOTT AVE

SHORE DR

TUCKERMAN AVE

EASTON AVE

STIMPSON ST

S CREST ST



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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  
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Name	Input	Output
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904-M3A	41 29 19.83245 N	147832.07322 N
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	71 16 37.63510 W	389148.29480 E
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Elevation	20.07700	65.86929
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Convergence		00 08 51.54756
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Scale Factor		0.999998012
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Combined Factor	0.999994861	
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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  
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Name	Input	Output
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905-M3B	41 29 23.40394 N	148187.59335 N
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	71 17 08.68905 W	386783.99905 E
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Elevation	2.69300	8.83528
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Convergence		00 08 30.98495
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Scale Factor		0.999997688
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Combined Factor	0.999997265	
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# Inverse Report

**Project : MIDDLETOWN**

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

<b>Grid</b>	<b>Local</b>	<b>Cartesian (WGS-84)</b>
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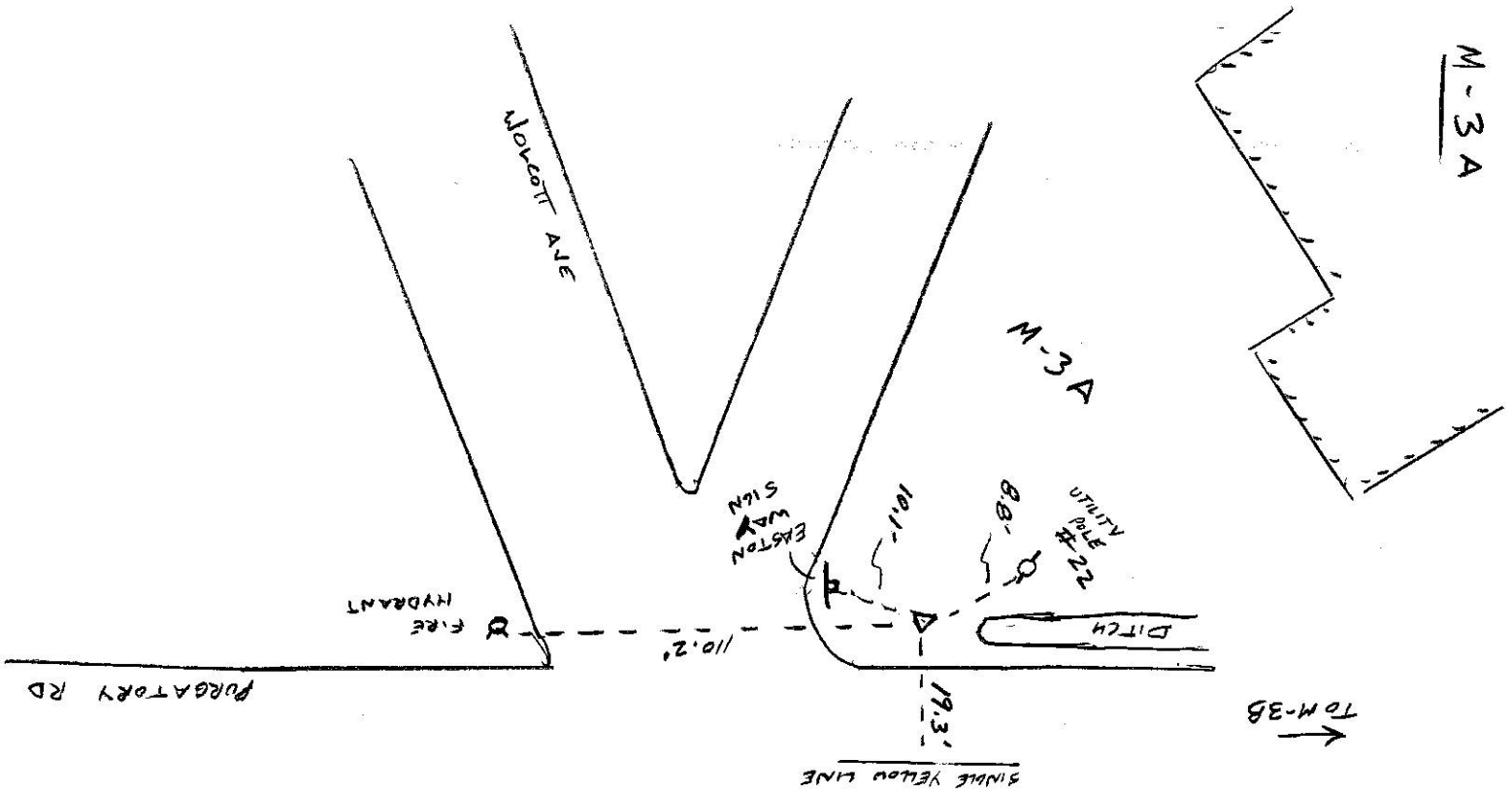
<b>From:</b>	M2A				
Northing:	157382.0480sft	Latitude:	41°30'54.34277"N	X:	5030704.7030sft
Easting:	382554.5233sft	Longitude:	71°18'03.98499"W	Y:	-14863522.3788sft
Elevation:	99.4506sft	Height:	1.2750sft	Z:	13797308.4179sft
Convergence:	0°07'54.588253"				

**Inverse:**

Grid Azimuth:	10°23'55"	NS Fwd Azimuth:	10°31'50"	Delta X:	-81.319sft
Grid Distance:	2031.613sft	NS Back Azimuth:	190°31'53"	Delta Y:	1398.413sft
Delta Elevation:	-35.6628sft	Ellipsoid Dist:	2031.619sft	Delta Z:	1471.926sft
t-T Correction:	-0°00'00.025716"	Ground Dist:	2031.617sft	Slope Dist:	2031.930sft
Elevation Scale Factor:	1.00000079	Delta Height:	-35.6399sft		
Grid Scale Factor:	0.999999716				
Combined Factor:	0.99999796				

<b>To:</b>	M2B				
Northing:	159380.2927sft	Latitude:	41°31'14.07653"N	X:	5030623.3838sft
Easting:	382921.2229sft	Longitude:	71°17'59.10396"W	Y:	-14862123.9655sft
Elevation:	63.7878sft	Height:	-34.3649sft	Z:	13798780.3436sft
Convergence:	0°07'57.875147"				

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M-3A

M-3A

TO M-3B  
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