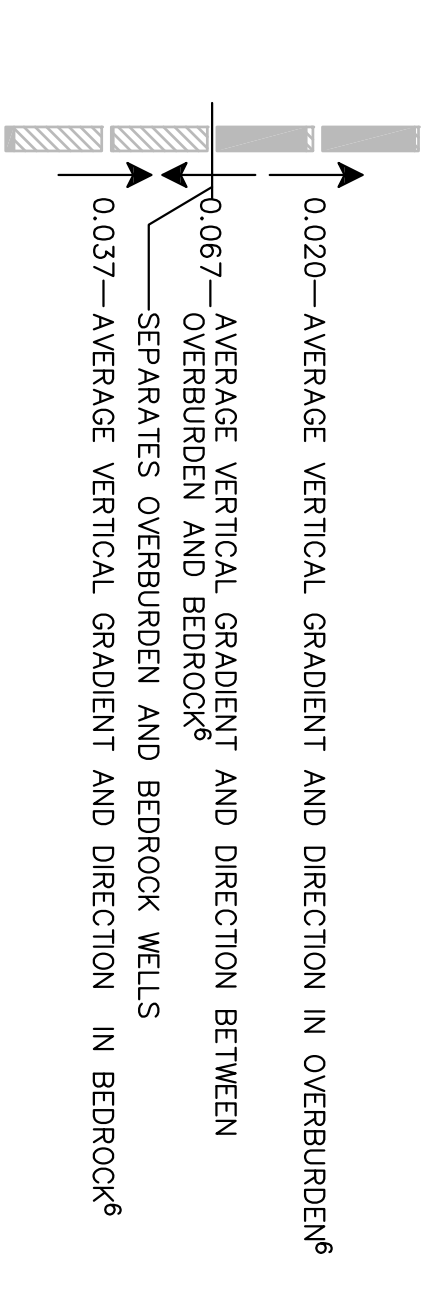


LEGEND

- CHAIN LINK FENCE
- EDGE OF WOODED AREA/PLANTED AREA
- EDGE PAVEMENT
- SEA WALL
- PROPERTY LINE
- ASSESSOR'S LINE
- SURFACE ELEVATION CONTOUR
- INTERPOLATED GROUNDWATER CONTOUR
- EXTRAPOLATED GROUNDWATER CONTOUR
- INDICATES GROUNDWATER FLOW DIRECTION

- ◆ MW-207/B BEDROCK MONITORING WELL LOCATION IN FEET
- ◆ 4.83 AVERAGE GROUNDWATER ELEVATION IN 2010
- ◆ MW-220/B MONITORING WELL LOCATION
- ◆ NO GROUNDWATER ELEVATION DATA

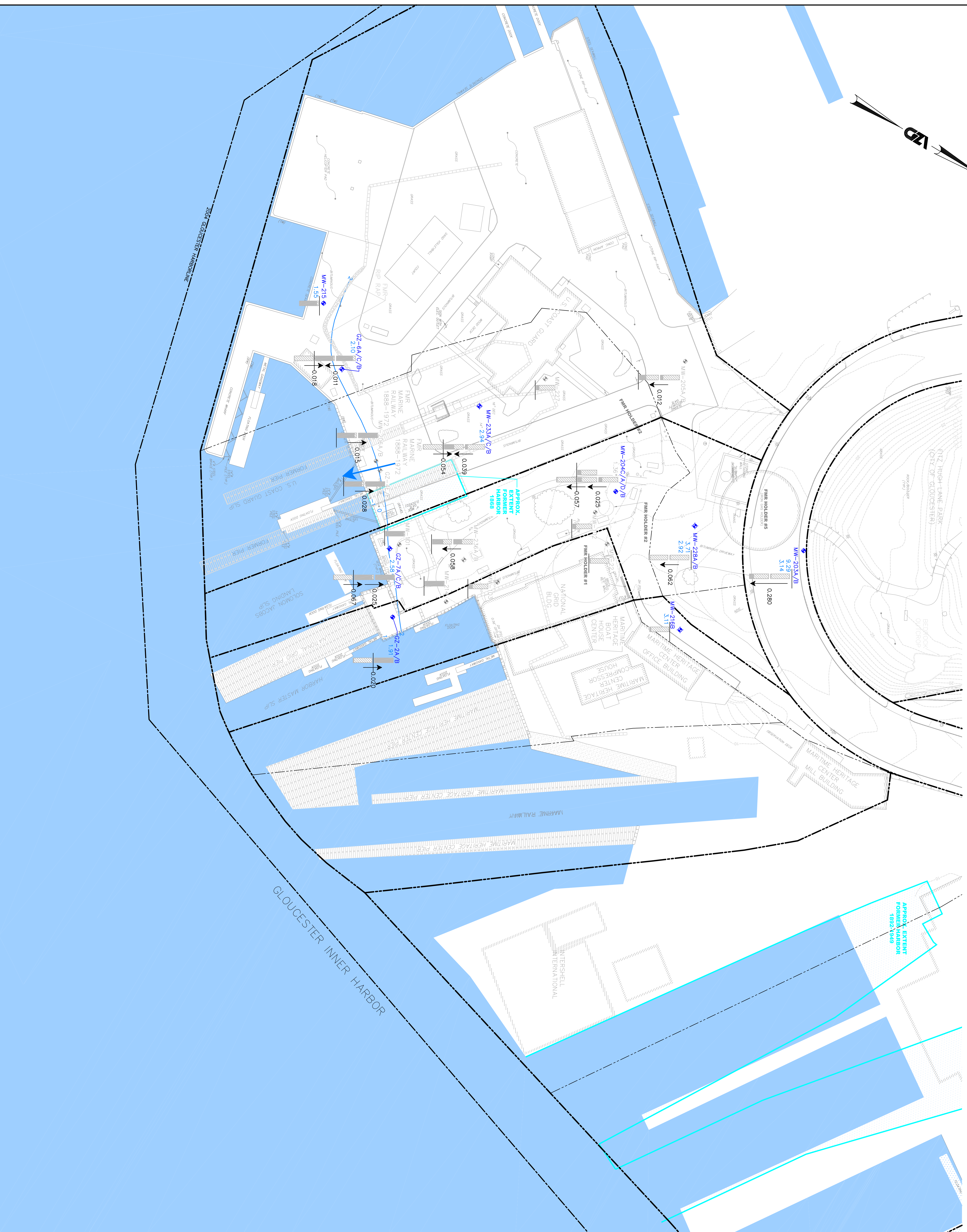
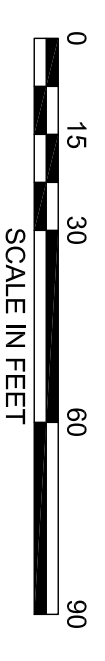
- ◆ MW-204A TIDAL FLUCTUATION IN GLOUCESTER HARBOR
- ◆ TIDAL FLUCTUATION IN MONITORING WELL RELATIVE TO GLOUCESTER HARBOR
- INDICATES NO TIDAL INFLUENCE OBSERVED



NOTES

- 1) DRAWING WAS CREATED FROM SURVEY PLAN PROVIDED TO GZA BY THE U.S. COAST GUARD IN COMPLIANCE WITH CONDITIONS PLAN OF LAND IN GLOUCESTER, MA, DATED JUNE 17, 2006.
- 2) REFER TO FIGURE 2 FOR SOURCE OF HISTORICAL SITE FEATURE INFORMATION.
- 3) ELEVATIONS SHOWN HEREON REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
- 4) GROUNDWATER ELEVATION CONTOURS DERIVED WERE INTERFERED BASED ON SPACED DATA POINTS. ALTERNATE INTERPRETATIONS ARE POSSIBLE.
- 5) GROUNDWATER CONTOURS REPRESENT AVERAGE OF HIGHEST AND LOWEST TRANSPIROGEM ELEVATION TAKEN OVER TIDAL CYCLE ON 10/19/2010.
- 6) VERTICAL GRADIENT CALCULATED AS:
(GROUNDWATER ELEVATION IN SHALLOW WELL - GROUNDWATER ELEVATION IN DEEP WELL) / (DEPTH TO SCREENED WIDENING OF SHALLOW WELL - DEPTH TO SCREENED WIDENING OF DEEP WELL)

- 7) * THE RELATIVELY LOW GROUNDWATER ELEVATION AT MW-204B ON OCTOBER 19, 2010 IS INCONSISTENT WITH THE OVERALL DATA SET FOR RESIDUAL TRANSMIT EFFECTS OF RECENT RAINING FROM THE WELL GIVEN THE VERY LOW HYDRAULIC CONDUCTIVITY OF THE FORMATION MATERIALS.



FORMER GLOUCESTER GAS LIGHT COMPANY MGP FACILITY
GLOUCESTER, MASSACHUSETTS
SOUTHERN AREA BEDROCK WELLS
AVERAGE GROUNDWATER ELEVATIONS
OCTOBER 2010

PREPARED BY:	DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:
JRP	JRP	JRP	JRP	JULY 2011
APPROVED BY:	PROJECT MANAGER:	CLIENT:	DATE:	
JFC	JFC	AS NOTED		

7C

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