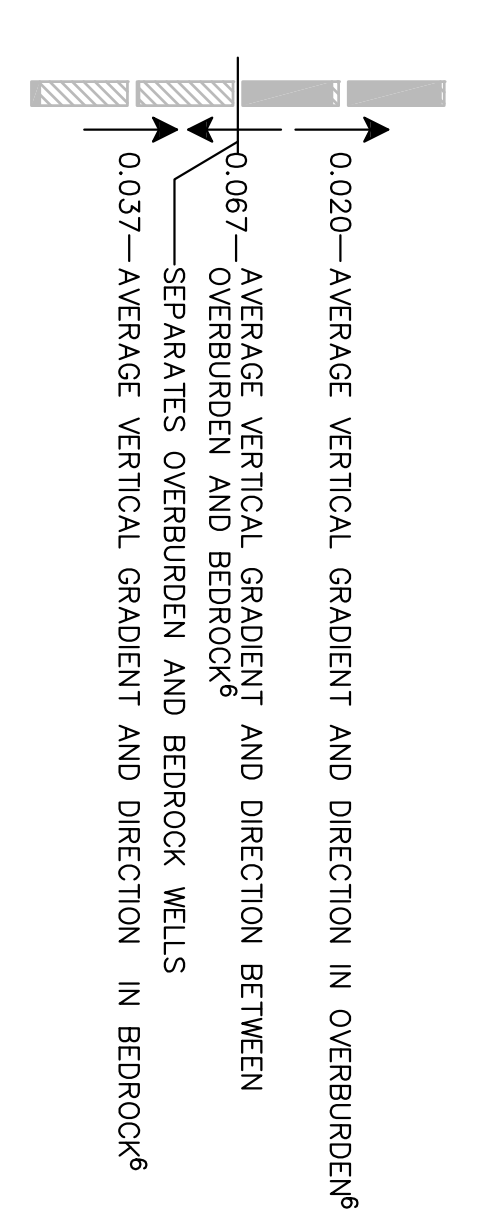


LEGEND

- 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-1 OVERBURDEN MONITORING WELL LOCATION
- MW-223 AVERAGE GROUNDWATER ELEVATION IN FEET MONITORING WELL IN HOUSING DATA NOT USED IN CONTOURING
- MW-204B MONITORING WELL LOCATION NO GROUNDWATER ELEVATION DATA
- MW-204A TIDAL FLUCTUATION IN GLOUCESTER HARBOR TIDAL RESPONSE IN MONITORING WELL RELATIVE TO GLOUCESTER HARBOR
- INDICATES NO TIDAL INFLUENCE OBSERVED



NOTES

- 1) DRAWING WAS CREATED FROM SURVEY PLAN PROVIDED TO GZA BY HANCOCK COUNTY ENGINEERING AND SURVEYING INC. IN GLOUCESTER, MA DATED JUNE 17, 2008.
- 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 DEPICTED WERE INFERRED BASED ON SPACED DATA POINTS. ALTERNATE INTERPOLATIONS ARE POSSIBLE.
- 5) GROUNDWATER CONTOURS REPRESENT AVERAGE OF HIGHEST AND LOWEST TRANSDUCER 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 SATURATED SPHEROIDAL WIDENING OF SHALLOW WELL - DEPTH TO SPHEROIDAL WIDENING OF DEEP WELL)



FORMER GLOUCESTER GAS LIGHT COMPANY MGP FACILITY
SOUTHERN AREA OVERBURDEN WELLS
OCTOBER 2010

PREPARED BY:	JRP	ISSUED BY:	JRP	DESIGNED BY:	MAJ	FIGURE:	7A
CHECKED BY:	JFC	ISSUED BY:	JFC	DESIGNED BY:	AS NOTED		
DATE:	JULY 2011	PROJECT NO.:	0910026283.00				

nationalgrid
 AVERAGE GROUNDWATER ELEVATIONS

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