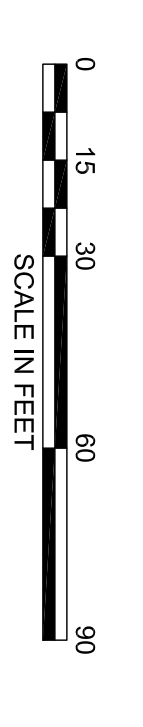


LEGEND

- CHAIN LINK FENCE
- EDGE OF WOODED AREA/PLANTED AREA
- EDGE PAVEMENT
- SEA WALL
- PROPERTY LINE
- SURFACE ELEVATION CONTOUR
- INDICATES GROUNDWATER FLOW DIRECTION
- MW-207/B BEDROCK MONITORING WELL LOCATION
4.63' AVERAGE GROUNDWATER ELEVATION IN FEET
MONITORING WELL LOCATION
NO GROUNDWATER ELEVATION DATA
- ⊕** MW-208/B MONITORING WELL LOCATION
NO GROUNDWATER ELEVATION DATA
- ⊕** MW-204A TIDAL FLUX IN GLOUCESTER HARBOR MONITORING WELL RELATIVE TO GLOUCESTER HARBOR
INDICATES NO TIDAL INFLUENCE OBSERVED
- $\frac{\uparrow}{0.020'}$ AVERAGE VERTICAL GRADIENT AND DIRECTION IN OVERBURDEN⁴
- $\frac{\uparrow}{0.067'}$ AVERAGE VERTICAL GRADIENT AND DIRECTION BETWEEN OVERBURDEN AND BEDROCK⁴
- $\frac{\uparrow}{0.037'}$ AVERAGE VERTICAL GRADIENT AND DIRECTION IN BEDROCK⁴

NOTES

- 1) DRAWING WAS CREATED FROM SURVEY PLAN PROVIDED TO GZA BY THE NATIONAL GROUNDWATER MONITORING NETWORK 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 ELEVATIONS COMPUTED AVERAGE OF HIGHEST AND LOWEST OBSERVED ELEVATION TAKEN OVER TIDAL CYCLE ON 10/19/2010.
- 5) VERTICAL GRADIENT CALCULATED AS:
 (GROUNDWATER ELEVATION IN SHALLOW WELL - GROUNDWATER ELEVATION IN DEEP WELL) / (DEPTH TO SATURATED SPHERED WIDENING OF SHALLOW WELL - DEPTH TO SPHERED WIDENING OF DEEP WELL)



FORMER GLOUCESTER GAS LIGHT COMPANY MGP FACILITY GLOUCESTER, MASSACHUSETTS NORTHERN AREA BEDROCK WELLS OCTOBER 2010			
PREPARED BY: GZA Associates Corporation PROJECT MANAGER: JIC PROJECT ENGINEER: JIC	REVISIONS BY: JIC DATE: JUNE 2010	CHECKED BY: MAB DATE: AS NOTED	FIGURE 7D
AVERAGE GROUNDWATER ELEVATIONS			