



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 AT LOW TIDE
- EXTRAPOLATED GROUNDWATER CONTOUR AT LOW TIDE
- INDICATES GROUNDWATER FLOW DIRECTION
- OVERBURDEN MONITORING WELL LOCATION
- GROUNDWATER ELEVATION IN FEET
- MONITORING WELL IN HOLES
- DATA NOT USED IN CONTOURING
- MONITORING WELL LOCATION
- NO GROUNDWATER ELEVATION DATA
- TIDAL FLUCTUATION IN GLOUCESTER HARBOR
- TIDAL RESPONSE IN MONITORING WELL RELATIVE TO GLOUCESTER HARBOR
- INDICATES NO TIDAL INFLUENCE OBSERVED
- 0.020— AVERAGE VERTICAL GRADIENT AND DIRECTION IN OVERBURDEN⁶
- 0.087— AVERAGE VERTICAL GRADIENT AND DIRECTION BETWEEN OVERBURDEN AND BEDROCK⁶
- SEPARATES OVERBURDEN AND BEDROCK WELLS
- 0.037— AVERAGE VERTICAL GRADIENT AND DIRECTION IN BEDROCK⁶

NOTES

- 1) DRAWING WAS CREATED FROM SURVEY PLAN PROVIDED TO GZA BY HANCOCK COUNTY, 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 SPAGED 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 SPHERED IMPRINT OF SHALLOW WELL - DEPTH TO SPHERED IMPRINT OF DEEP WELL



FORMER GLOUCESTER GAS LIGHT COMPANY MGP FACILITY GLOUCESTER, MASSACHUSETTS SOUTHERN AREA OVERBURDEN WELLS AT LOW TIDE OCTOBER 2010

PREPARED BY: JRP
 CHECKED BY: JFC
 DATE: JULY 2011

DESIGNED BY: JRP
 CHECKED BY: JFC
 DATE: AS NOTED

PROJECT NO.: 0910262823.00

nationalgrid

FIGURE 7E SHEET 40

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DATE: JULY 2011