



- NOTES:**
- SOURCE: THE TOPOGRAPHIC SURVEY BASE MAP WAS DEVELOPED FROM ELECTRONIC FILES PROVIDED BY HANCOCK SURVEY ASSOCIATES ON 10-09-2012. CAD FILE: 15927SVWB.DWG AND THE BATHYMETRIC SURVEY WAS FROM ELECTRONIC FILES PROVIDED BY ANCHOR OEA ENTITLED "COMBINED TOPOGRAPHIC AND BATHYMETRIC SURVEYS", DATED: 10-29-2012, CAD FILE: EG-COMBINED-BATHY-TOPO-NGVD29.DWG.
 - THESE PLANS ARE INTENDED ONLY FOR ACCOMPANYING ENVIRONMENTAL PERMIT APPLICATIONS AND ARE NOT TO BE USED FOR CONSTRUCTION.
 - HORIZONTAL DATUM: MA STATE PLANE MAINLAND, NAD83, U.S. SURVEY FEET. VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).
 - EXISTING BATHYMETRY IS A COMPILATION OF TWO BATHYMETRIC SURVEYS AND A NEARSHORE TOPOGRAPHIC SURVEY. THE TWO BATHYMETRIC SURVEYS WERE A MULTI-BEAM SURVEY PERFORMED BY CLE ENGINEERING, INC. ON MAY 18, 2012, AND SINGLE-BEAM SURVEY PERFORMED BY TG&B MARINE SERVICES ON JULY 3, 2012 WITH RAW BATHYMETRIC SURVEY DATA REFERENCED TO MEAN LOWER LOW WATER AND CONVERSION TO NGVD29 PERFORMED BY ANCHOR OEA, LLC. A NEARSHORE TOPOGRAPHIC SURVEY PERFORMED BY HANCOCK ASSOCIATES, ON JULY 12, JULY 24-25, AND AUGUST 21-22, 2012 WAS USED TO COMPLETE A SURVEY OF THE IN-WATER WORK AREA. THE NEARSHORE TOPOGRAPHIC SURVEY RAW DATA IS REFERENCED TO NGVD29.
 - 2004 GLOUCESTER HARBOR LINE PREPARED FROM COORDINATES INCLUDED ON PLAN PREPARED BY THE BSC GROUP FOR THE CITY OF GLOUCESTER TITLED "2004 GLOUCESTER HARBORLINE". THE PRE-2004 GLOUCESTER HARBOR LINE IS FROM ELECTRONIC FILES PROVIDED BY HANCOCK ASSOCIATES ENTITLED "EXISTING CONDITIONS PLAN OF LAND IN GLOUCESTER, MA", DATED 5/22/09.
 - RESOURCE AREAS DELINEATED BASED ON DEFINITIONS IN 310 CMR 10.00.

- LEGEND**
- LAND UNDER THE OCEAN / WATERS OF THE UNITED STATES
 - COASTAL BANK
 - LAND SUBJECT TO TIDAL ACTION
 - COASTAL BEACH
 - AUL AREA
 - TOP OF COASTAL BANK
 - EXISTING CONTOURS (FEET NGVD29)
 - MEAN HIGHER HIGH WATER (5.45' NGVD29)
 - MEAN HIGH WATER (5.0' NGVD29)
 - MEAN LOW WATER (-3.79' NGVD29)
 - MEAN LOWER LOW WATER (-4.12' NGVD29)
 - 100 YEAR FLOOD ZONE (9.85' NGVD29) (FIRM PANEL 0456F, EFFECTIVE DATE JULY 3, 2012 US GOV WEB SITE)
 - INFERRED HIGH WATER MARK (MASSGIS) (CHAPTER 91 JURISDICTION)
 - HISTORIC HIGH WATER MARK (MASSGIS) (CHAPTER 91 JURISDICTION)
 - 100 FT. BUFFER ZONE (TOP OF COASTAL BANK)
 - 200 FT. BUFFER ZONE (TOP OF COASTAL BANK)
 - 100 FT. BUFFER (COASTAL BEACH)
 - 200 FT. BUFFER (COASTAL BEACH)
 - 100 FT. BUFFER (LAND UNDER THE OCEAN)
 - 200 FT. BUFFER (LAND UNDER THE OCEAN)
 - PRE-2004 GLOUCESTER HARBOR LINE
 - 2004 GLOUCESTER HARBOR LINE
 - PROPERTY LINE



APPROVED: _____

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**FORMER GLOUCESTER GAS LIGHT COMPANY
MGP FACILITY
GLOUCESTER, MASSACHUSETTS**

**EXISTING CONDITIONS PLAN
REMEDiation SUPPORT AREA**

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| PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com | PREPARED FOR: nationalgrid |
| PREPARED BY: ANCHOR OEA | REVIEWED BY: MJB PROJ MGR: JAC DESIGNED BY: MS DRAWN BY: EMD/CRB |
| PROJ. NO. 25623.00 SCALE: 1"=30' | DATE: MARCH 2013 FIGURE <h1 style="margin: 0;">4C</h1> |

GZA \ G2\ANOR\Jobs\25623-26-999\09-0025623.00\Figures\CAD\PERMITTING_2012\25623_ENF-NOI_P16_44-4C.dwg [4C] March 15, 2013 - 9:30am cori.bargsten