



- NOTES:**
1. SOURCE: THE TOPOGRAPHIC SURVEY BASE MAP WAS DEVELOPED FROM ELECTRONIC FILES PROVIDED BY HANCOCK SURVEY ASSOCIATES ON 10-09-2012. CAD FILE: 159275/WB.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.
 2. THESE PLANS ARE INTENDED ONLY FOR ACCOMPANYING ENVIRONMENTAL PERMIT APPLICATIONS AND ARE NOT TO BE USED FOR CONSTRUCTION.
 3. HORIZONTAL DATUM: MA STATE PLANE MAINLAND, NAD83, U.S. SURVEY FEET. VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).
 4. EXISTING BATHYMETRY IS A COMPILATION OF TWO BATHYMETRIC SURVEYS AND A NEARSHORE TOPOGRAPHIC SURVEY. THE TWO BATHYMETRIC SURVEYS WERE A MULTIBEAM 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.
 5. THE 2004 GLOUCESTER HARBOR LINE PREPARED FROM COORDINATES INCLUDED ON PLAN PREPARED BY THE BSC GROUP FOR THE CITY OF GLOUCESTER TITLED "2004 GLOUCESTER HARBOR LINE". 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.
 6. RESOURCE AREAS DELINEATED BASED ON DEFINITIONS IN 310 CMR 10.00.

- LEGEND**
- 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 0458F, EFFECTIVE DATE JULY 3, 2012 US GOV WEB SITE)
 - FLOOD ZONE
 - INFERRED HIGH WATER MARK (MASSGIS) (CHAPTER 91 JURISDICTION)
 - HISTORIC HIGH WATER MARK (MASSGIS) (CHAPTER 91 JURISDICTION)
 - AUL AREA
 - LAND UNDER THE OCEAN/ WATERS OF THE UNITED STATES
 - COASTAL BANK
 - LAND SUBJECT TO TIDAL ACTION
 - COASTAL BEACH
 - LIMITS OF DREDGING
 - FINAL DREDGE CONTOUR
 - 2004 GLOUCESTER HARBOR LINE
 - PRE-2004 GLOUCESTER HARBOR LINE
 - PROPERTY LINE



NO.	ISSUE/DESCRIPTION	BY	DATE

APPROVED: _____

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

**FINAL CONDITIONS PLAN
REMEDATION SUPPORT AREA**

APPROVED: _____

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PREPARED BY: ANCHOR OEA	REVIEWED BY: MJB PROJ MGR: JAC DESIGNED BY: MS DRAWN BY: EMO/CRB

FIGURE **8C**

PROJ. NO. 25623.00 | SCALE: 1"=30' | DATE: JULY 2013

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