PRELIMINARY ISSUE
THIS PLAN ISSUED FOR
ADVANCE INFORMATION ONLY

Echo South Pier

Red & Green Buoy D

Delta North Pier

Delta South Pier

Red & Green Buoy D

MATCHED LINE – SHEET 3

NOTES:

DRAWINGS NOT TO BE USED AS NAVIGATION. ONLY CHANNEL CONDITION AT DATE OF SURVEY. THE LOCATION OF ALL NAVIGATION AIDS ARE BASED ON INFORMATION PROVIDED BY THE U.S. COAST GUARD. BUOY LOCATIONS REPRESENT THE POSITION OF THE SINKER ONLY.

REACH 1 TO 6, REACH 7 (STA. 26+00 TO 56+00) & REACH 8 TO 10 SURVEYED BY 3RD PARTY SURVEYOR ETRAC ENGINEERING.

REACH 7 (STA. 0+00 TO 25+00) SURVEYED BY THE CORPS OF ENGINEERS

SURVEY DATES:
Reach 1: Sta 0+00 to 64+00 – 29 March 2011
Reach 2: Sta 64+00 to 110+00 – 29 March 2011
Reach 3: Sta 110+00 to 175+00 – 1, 4 & 5 Mar 2011
Reach 4: Sta 175+00 to 205+00 – 4 Mar 2011
Reach 5: Sta 205+00 to 230+00 – 1 Mar 2011
Reach 6: Sta 230+00 to 244+35 – 1 Mar 2011
Reach 7: Sta 0+00 to 56+00 – 4 & 29 March 2011
Reach 8: Sta 56+00 to 80+00 – 27 Jan and 22 & 26 Feb 2011
Reach 9: Sta 80+00 to 96+00 – 22 & 16 Feb 2011
Reach 10: Sta 96+00 to 133+49 – 1 & 5 Mar 2011

SOUNDINGS WERE TAKEN BY FATHOMETER AND ARE SHOWN TO THE NEAREST TENTH OF A FOOT.

SOUNDINGS ARE BASED ON THE DATUM OF MEAN LOWER LOW WATER AT THE LOCALITY. NAVD 88.

VERTICAL CONTROL:
BENCHMARK "MON. 4767A 1964 ELEV. 9.36 FT. MLLW.
BENCHMARK "MON. 4777A 1994 ELEV. 13.67 FT. MLLW.
BENCHMARK "MON. MOLE RM-1 ELEV 12.36 FT. MLLW.
BENCHMARK "MON. PORT1 1936 ELEV 9.36 FT. MLLW.
TIDE GAUGE LOCATION: OAKLAND ARMY BASE, PIER 7, BERTH 40

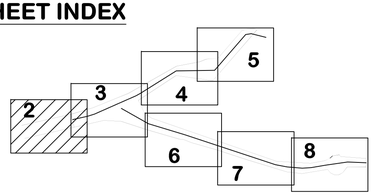
HORIZONTAL GPS CONTROL:
COAST GUARD D-BEACON

PLANE GRID AND COORDINATES ARE BASED ON LAMBERT PROJECTION, NAD 83, ZONE III CALIFORNIA AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY THE NATIONAL OCEAN SURVEY.

PROJECT DEPTH OF OUTER AND INNER HARBOR IS -50 FEET. PROJECT DEPTH FROM INNER HARBOR TURNING BASIN TO PARK STREET BRIDGE IS 35 FEET. TIDAL CANAL PROJECT DEPTH IS 18 FEET.

LEGEND:
-50'
-49'
-48'
-47'
-46'

SHEET INDEX



GRAPHICS SCALE 1" = 200'

200' 0 100' 200' 400' 800'

US Army Corps of Engineers
San Francisco District
1455 Market Street
San Francisco, CA 94103

	Mark	Description	Date	Appr.

DESIGNED BY:		CHECKED BY: PDT	DRAWN BY: PDT	
DATE: 3/30/2011	SHEET NO. 2 OF 8	DRAWING NO. 2	2	XXX

PREPARED UNDER THE DIRECTION OF
TORREY A. DICIRO
LT. COLONEL, C.E., DISTRICT ENGINEER

SUBMITTED: PDT	
Hydro Survey Team Leader	
APPROVAL RECOMMENDED:	Chief, Geomatics Section
APPROVED:	Chief, Construction Branch

ALAMEDA COUNTY CALIFORNIA

OAKLAND HARBOR
INNER HARBOR
3rd PARTY POSTREDGE SURVEY
FINAL COMPOSITE

Sheet reference number
C2

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