

**PRELIMINARY ISSUE**  
THIS PLAN ISSUED FOR  
ADVANCE INFORMATION ONLY



Echo South Pier

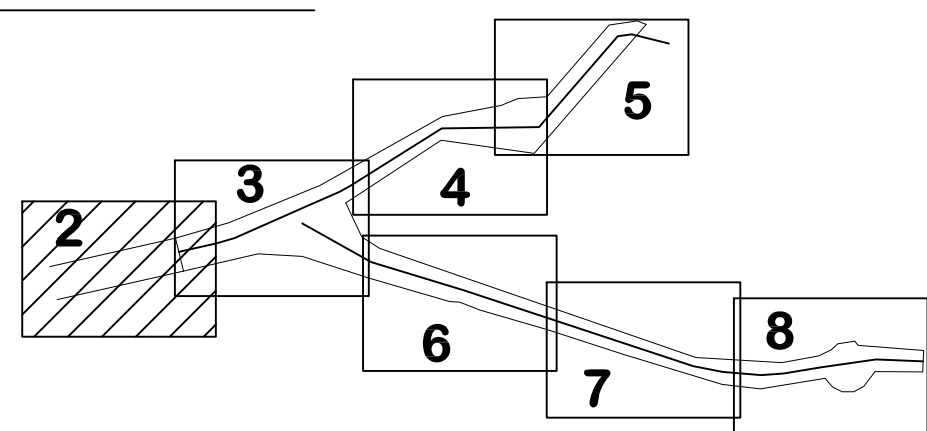
Red & Green Buoy D

Delta North Pier

Delta South Pier

Red & Green Buoy D

**SHEET INDEX**



**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.

SURVEYED BY THE CORPS OF ENGINEERS:  
26 AUGUST 2008 - Stations -4+00 to 22+00  
24 SEPTEMBER 2008 - Stations 22+00 to 59+59

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.

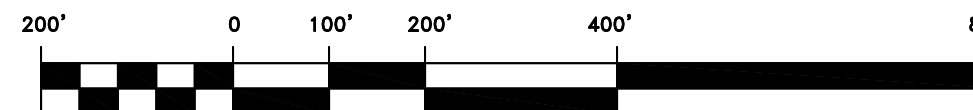
VERTICAL CONTROL  
BENCHMARK "MON. 4767A 1964 ELEV. 9.36 FT. MLLW.  
BENCHMARK "MON. 4777A 1994 ELEV. 13.67 FT. MLLW.  
BENCHMARK "MON. MOLE RM-1 ELEV 12.36 FT. MLLW.  
BENCHMARK "MON. PORT1 1936 ELEV 9.36 FT. MLLW.  
TIDE GAUGE LOCATION: OAKLAND ARMY BASE, PIER 7, BERTH 40

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.

GRAPHICS SCALE 1" = 200'



MATCHED LINE - SHEET 4

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

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Mark	Description	Date	Appr.

SUBMITTED:	MC	DESIGNED BY:	EWC	CHECKED BY:	PC
	Hiero Survey Team Leader	DATE:	9/30/2008	DRAWING NO.:	2 OF 8
APPROVAL RECOMMENDED:		DATE:		SHEET NO.:	2
APPROVED:		PREPARED UNDER THE DIRECTION OF	LAURENCE M. FARRELL		
			LT. COLONEL, C.E., DISTRICT ENGINEER		

CALIFORNIA  
ALAMEDA COUNTY  
**OAKLAND HARBOR**  
APPROACH  
CONDITION SURVEY  
26 AUGUST AND 24 SEPTEMBER 2008

Sheet  
reference  
number  
**C2**