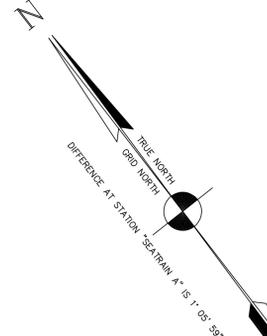


SAN FRANCISCO BAY

LONG WHARF

LONG WHARF MANEUVERING AREA



N.A.D. 1983 FEET COORDINATES			
CHANNEL	NORTH	EAST	
01	2162197.63	6010314.45	

POINT NO.	STATION	CENTER LINE ANGLE	NORTH	EAST
C1	0+00.00	BEARING	2161786.30	6009730.25
C2	43+48.29	S46°42'24.5"E	2158804.54	6012895.17
C3	50+39.49	S53°39'39.4"E	2158394.96	6013451.95
C4	53+82.39	S70°51'04.3"E	2158282.48	6013775.88
C5	149+24.87	N81°09'53.0"E	2156671.82	6023181.44
C6	163+42.37	S80°16'57.4"E	2156889.54	6024582.12
C7	167+82.88	N23°06'30.3"E	2157294.71	6024755.01
C8	193+37.72	N11°28'48.0"W	2159798.44	6024246.53
C9	213+55.02	N04°19'32.9"W	2161809.99	6024094.37
C10	217+21.09	N64°00'59.8"W	2161970.37	6023785.30
C11	237+75.69	N49°51'28.9"W	2163294.94	6022194.66

PRELIMINARY ISSUE
THIS PLAN ISSUED FOR
ADVANCE INFORMATION ONLY

SYMBOL	DESCRIPTION	DATE	APPROVAL
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, SAN FRANCISCO CORPS OF ENGINEERS SAN FRANCISCO, CALIFORNIA			
DRAWN BY:		CONTRA COSTA COUNTY CALIFORNIA	
TRACED BY:			
CHECKED BY:		RICHMOND HARBOR LONG WHARF MANEUVERING	
SUBMITTED:		CONDITION SURVEY 14 MARCH 2003	
APPROVAL RECOMMENDED:		APPROVED: DATE:	
CHIEF ENGINEERING BRANCH		CHIEF ENGINEERING AND TECHNICAL SERVICES DIVISION	
PREPARED UNDER THE DIRECTION OF		SCALE: 1" = 200'	JOB No.
MICHAEL MCCORMICK		DRAWING NUMBER	
LT. COLONEL C.E., DISTRICT ENGINEER		SHEET: 4 OF 4	9 2 329