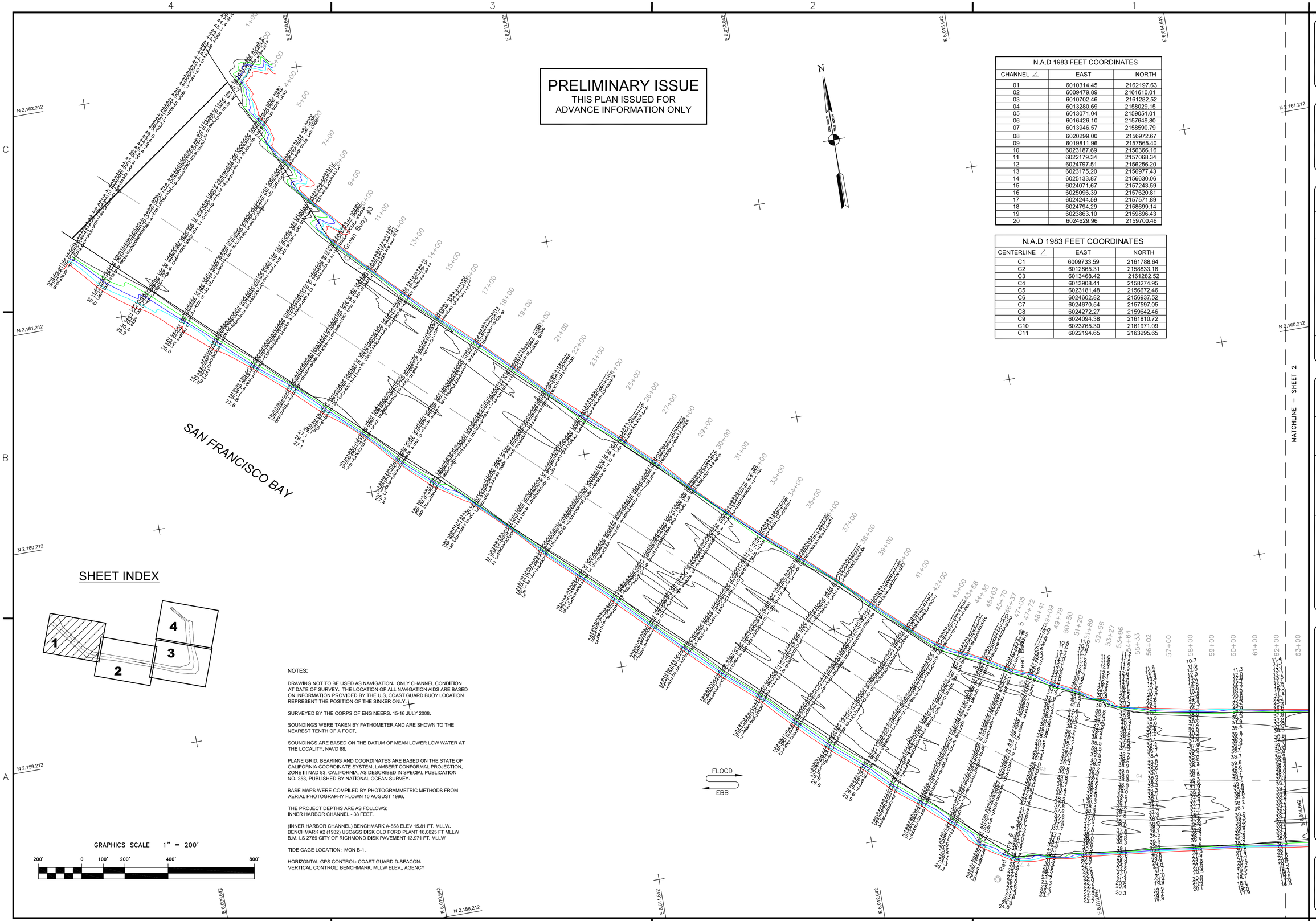
PRELIMINARY ISSUE

THIS PLAN ISSUED FOR
ADVANCE INFORMATION ONLY



N.A.D 1983 FEET COORDINATES		
CHANNEL ∠	EAST	NORTH
01	6010314.45	2162197.63
02	6009479.89	2161610.01
03	6010702.46	2161282.52
04	6013280.69	2158029.15
05	6013071.04	2159051.01
06	6016426.10	2157649.80
07	6013946.57	2158590.79
08	6020299.00	2156972.67
09	6019811.96	2157565.40
10	6023187.69	2156366.16
11	6022179.34	2157068.34
12	6024797.51	2156256.20
13	6023175.20	2156977.43
14	6025133.87	2156630.06
15	6024071.67	2157243.59
16	6025096.39	2157620.81
17	6024244.59	2157571.89
18	6024794.29	2158699.14
19	6023863.10	2159896.43
20	6024629.96	2159700.46

N.A.D 1983 FEET COORDINATES		
CENTERLINE ∠	EAST	NORTH
C1	6009733.59	2161788.64
C2	6012865.31	2158833.18
C3	6013468.42	2161282.52
C4	6013908.41	2158274.95
C5	6023181.48	2156672.46
C6	6024602.82	2156937.52
C7	6024670.54	2157597.05
C8	6024272.27	2159642.46
C9	6024094.38	2161810.72
C10	6023765.30	2161971.09
C11	6022194.65	2163295.65

SHEET INDEX

GRAPHICS SCALE 1" = 200'

200' 0 100' 200' 400' 800'

NOTES:

DRAWING 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 LOCATION REPRESENT THE POSITION OF THE SINKER ONLY.

SURVEYED BY THE CORPS OF ENGINEERS, 15-16 JULY 2008.

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.

PLANE GRID, BEARING AND COORDINATES ARE BASED ON THE STATE OF CALIFORNIA COORDINATE SYSTEM, LAMBERT CONFORMAL PROJECTION, ZONE III NAD 83, CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 253, PUBLISHED BY NATIONAL OCEAN SURVEY.

BASE MAPS WERE COMPILED BY PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY FLOWN 10 AUGUST 1996.

THE PROJECT DEPTHS ARE AS FOLLOWS:
INNER HARBOR CHANNEL - 38 FEET.

(INNER HARBOR CHANNEL) BENCHMARK A-558 ELEV 15.81 FT. MLLW.
BENCHMARK #2 (1932) USC&GS DISK OLD FORD PLANT 16.0825 FT MLLW
B.M. LS 2769 CITY OF RICHMOND DISK PAVEMENT 13.971 FT. MLLW

TIDE GAGE LOCATION: MON B-1.

HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON.
VERTICAL CONTROL: BENCHMARK, MLLW ELEV., AGENCY

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

Mark	Description	Date	Appr.

SUBMITTED: MC	CHECKED BY: TYW	DRAWN BY: EWC	
Hydro. Survey Team Leader			
APPROVAL RECOMMENDED:	DATE: 7/21/2008	SHEET NO. 1 OF 4	DRAWING NO. 9 2 358
Chief, Technical Support Section	PREPARED UNDER THE DIRECTION OF LAURENCE M. FARRELL LT. COLONEL, C.E., DISTRICT ENGINEER		
APPROVED: Chief, Construction Branch			

CALIFORNIA

ALAMEDA COUNTY

RICHMOND INNER HARBOR
CONDITION SURVEY
15-16 JULY 2008

Sheet reference number

C1