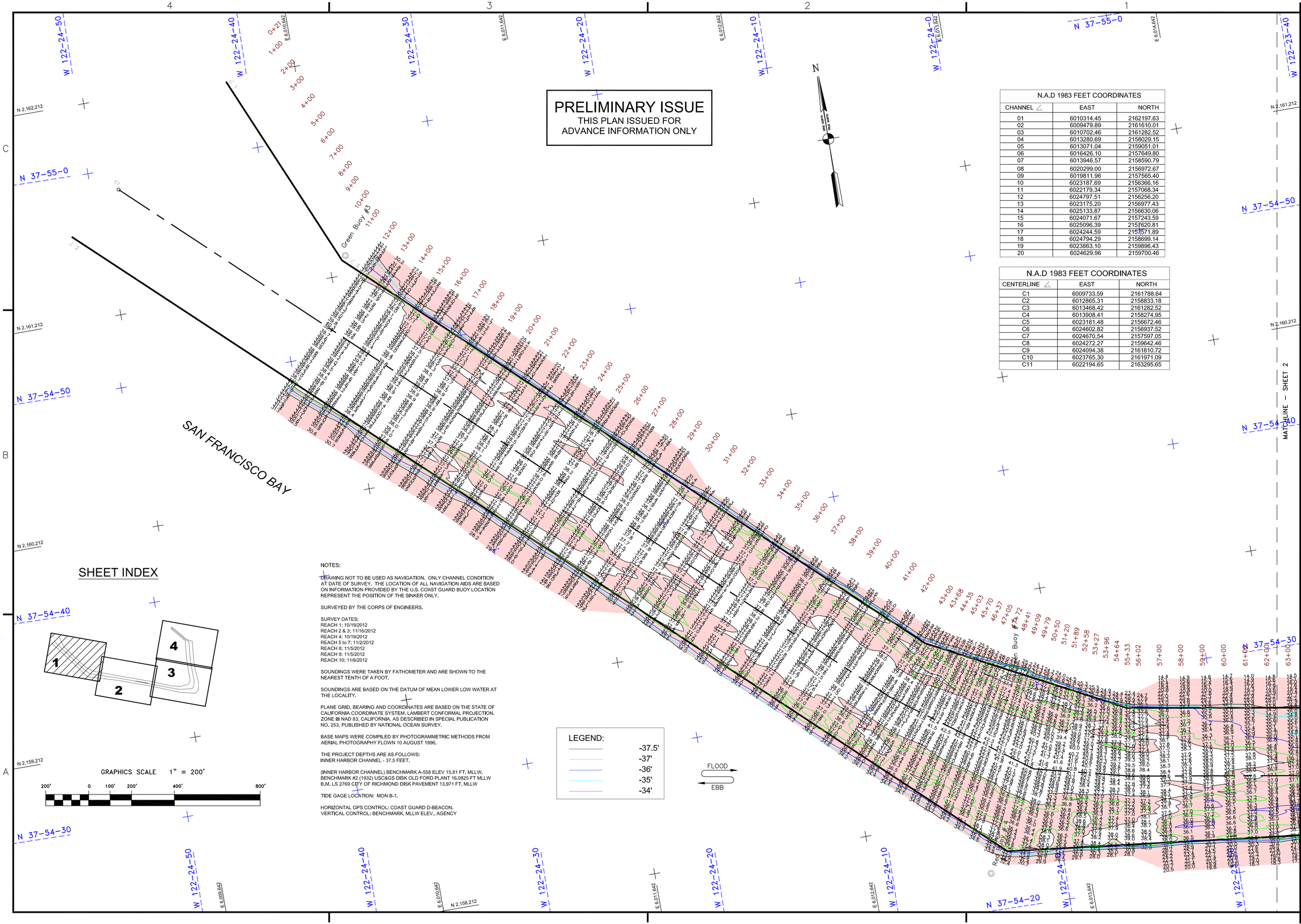
# PRELIMINARY ISSUE

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 |

MATCHLINE - SHEET 2

## 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.

SURVEY DATES:
REACH 1: 10/19/2012
REACH 2 & 3: 11/16/2012
REACH 4: 10/19/2012
REACH 5 to 7: 11/2/2012
REACH 8: 11/5/2012
REACH 9: 11/5/2012
REACH 10: 11/6/2012

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.

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 - 37.5 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

LEGEND:
-37.5'
-37'
-36'
-35'
-34'

FLOOD
EBB

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

| Mark | Description | Date | Appr. |
|---|---|---|---|
| | | | |

| | | | |
|---|---|---|---|
| SUBMITTED: | DESIGNED BY: PDT | DRAWN BY: PDT | CHECKED BY: PDT |
| Hydro. Survey. Team Leader | DATE: | SHEET NO. | DRAWING NO. |
| APPROVAL RECOMMENDED: | 11/20/2012 | 1 OF 4 | 9 2 XXX |
| Chief, Operations Section | PREPARED UNDER THE DIRECTION OF JOHN K. BAKER | | |
| APPROVED: | LT. COLONEL, C.E., DISTRICT ENGINEER | | |
| Chief, Construction Branch | | | |

ALAMEDA COUNTY CALIFORNIA

# RICHMOND INNER HARBOR
PREDREDGE SURVEY
19 OCTOBER 2012
2, 5-6 & 16 NOVEMBER 2012

Sheet reference number
C1