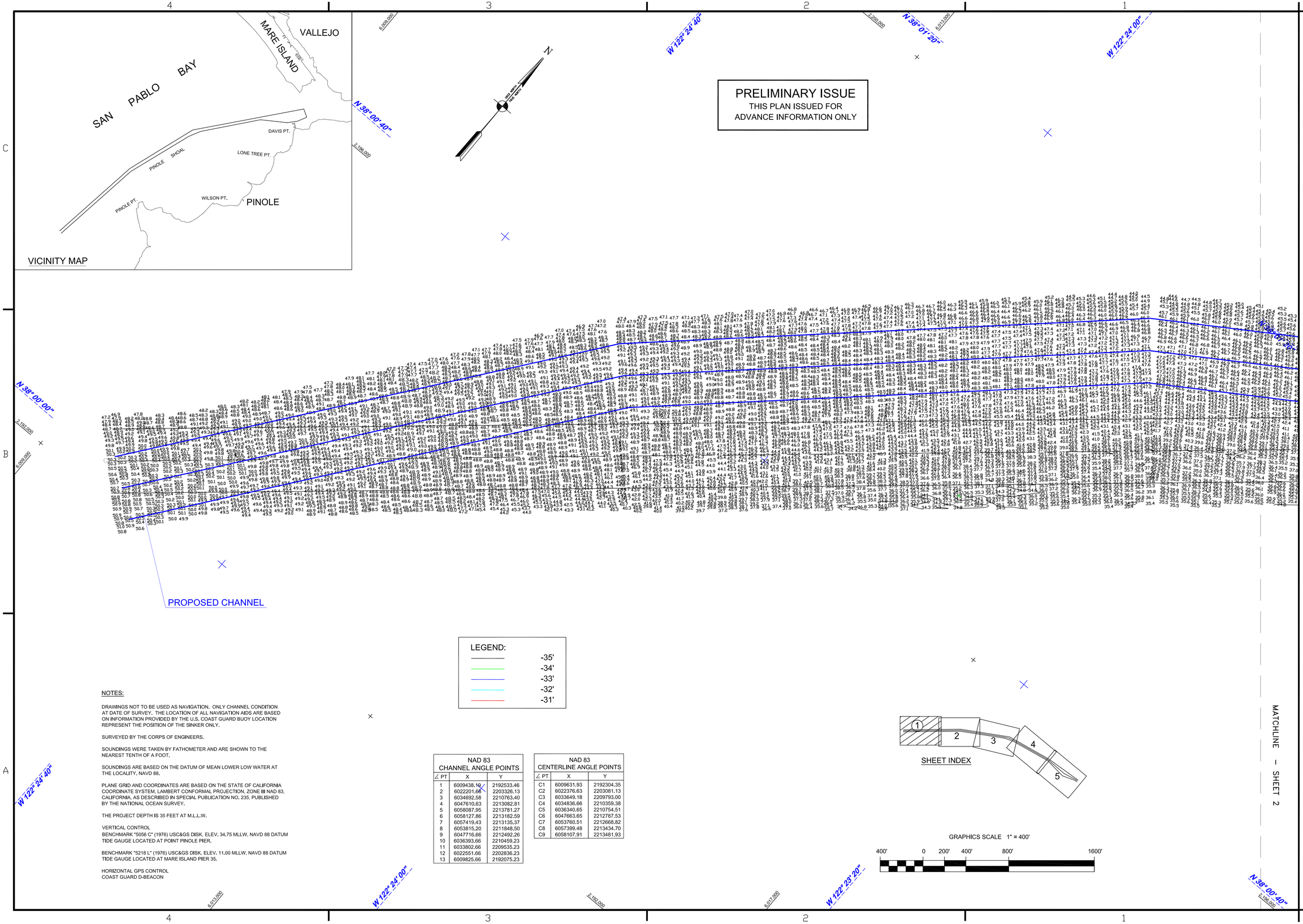


NOTES:

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 LOCATION REPRESENT THE POSITION OF THE SINKER ONLY.

SURVEYED BY THE CORPS OF ENGINEERS.

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 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. 235, PUBLISHED BY THE NATIONAL OCEAN SURVEY.

THE PROJECT DEPTH IS 35 FEET AT M.L.L.W.

VERTICAL CONTROL
BENCHMARK "5056 C" (1976) USC&GS DISK, ELEV. 34.75 MLLW, NAVD 88 DATUM TIDE GAUGE LOCATED AT POINT PINOLE PIER.

BENCHMARK "5218 L" (1976) USC&GS DISK, ELEV. 11.00 MLLW, NAVD 88 DATUM TIDE GAUGE LOCATED AT MARE ISLAND PIER 35.

HORIZONTAL GPS CONTROL
COAST GUARD D-BEACON

NAD 83
CHANNEL ANGLE POINTS

| ∠ PT | X | Y |
|---|---|---|
| 1 | 6009438.19 | 2192533.46 |
| 2 | 6022201.66 | 2203326.13 |
| 3 | 6034692.58 | 2210763.40 |
| 4 | 6047610.63 | 2213082.81 |
| 5 | 6058087.95 | 2213781.27 |
| 6 | 6058127.86 | 2213182.59 |
| 7 | 6057419.43 | 2213135.37 |
| 8 | 6053815.20 | 2211848.50 |
| 9 | 6047716.66 | 2212492.26 |
| 10 | 6036393.66 | 2210459.23 |
| 11 | 6033802.66 | 2209535.23 |
| 12 | 6022551.66 | 2202836.23 |
| 13 | 6009825.66 | 2192075.23 |

NAD 83
CENTERLINE ANGLE POINTS

| ∠ PT | X | Y |
|---|---|---|
| C1 | 6009631.93 | 2192304.35 |
| C2 | 6022376.63 | 2203081.13 |
| C3 | 6033649.18 | 2209793.00 |
| C4 | 6034836.66 | 2210359.38 |
| C5 | 6036340.65 | 2210754.51 |
| C6 | 6047663.65 | 2212787.53 |
| C7 | 6053760.51 | 2212668.82 |
| C8 | 6057399.48 | 2213434.70 |
| C9 | 6058107.91 | 2213481.93 |

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: 08/24/2011 | SHEET NO. 1 OF 5 | DRAWING NO. 3 2

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

SAN PABLO BAY CALIFORNIA
PINOLE SHOALS
POSTDREDGE SURVEY
17-18, 22-24 AUGUST 2011

Sheet reference number
C1