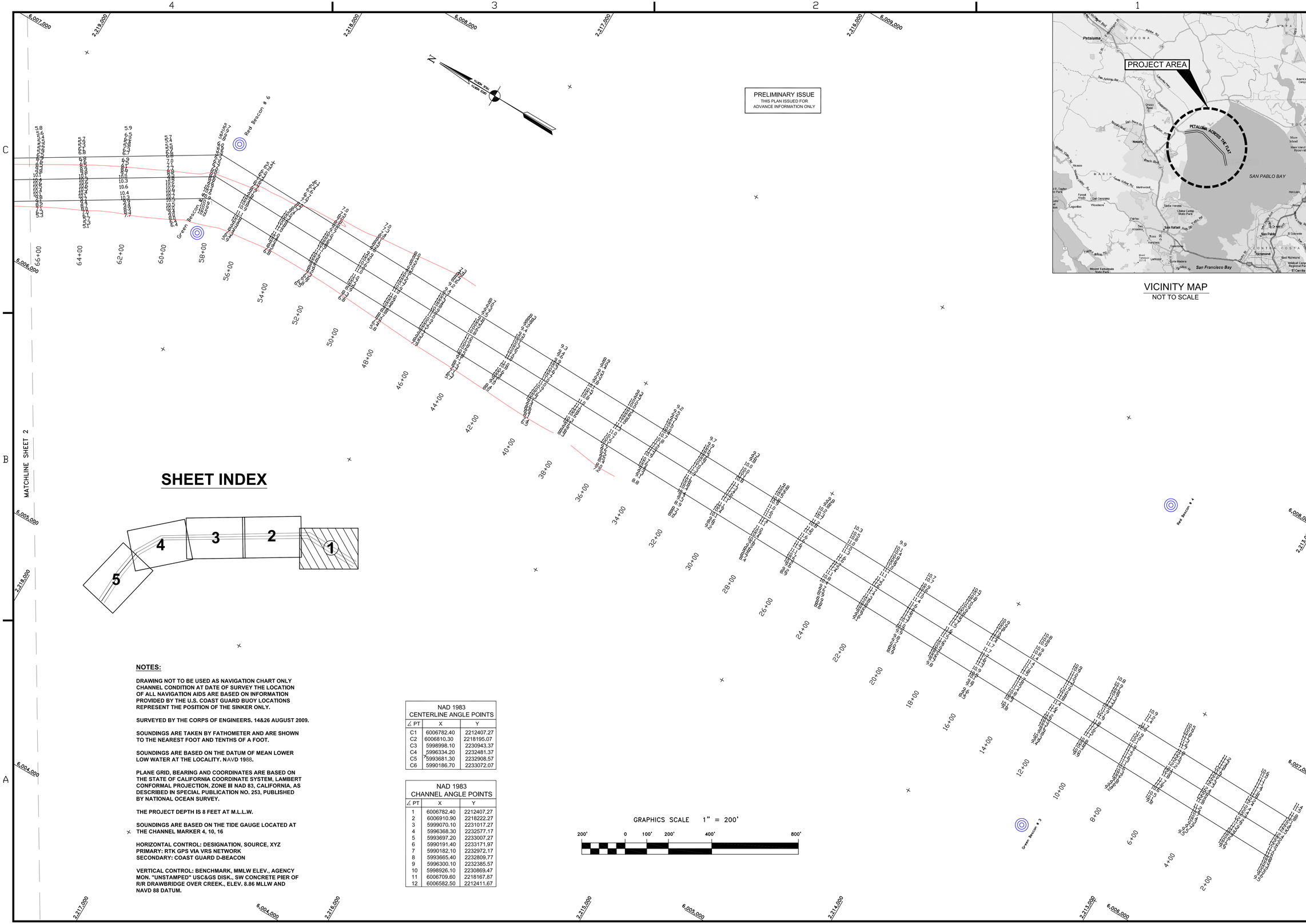

PRELIMINARY ISSUE
THIS PLAN ISSUED FOR ADVANCE INFORMATION ONLY

SHEET INDEX

VICINITY MAP
NOT TO SCALE

NOTES:

DRAWING NOT TO BE USED AS NAVIGATION CHART 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. 14&26 AUGUST 2009.

SOUNDINGS ARE TAKEN BY FATHOMETER AND ARE SHOWN TO THE NEAREST FOOT AND TENTHS OF A FOOT.

SOUNDINGS ARE BASED ON THE DATUM OF MEAN LOWER LOW WATER AT THE LOCALITY. NAVD 1988.

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.

THE PROJECT DEPTH IS 8 FEET AT M.L.L.W.

SOUNDINGS ARE BASED ON THE TIDE GAUGE LOCATED AT THE CHANNEL MARKER 4, 10, 16

HORIZONTAL CONTROL: DESIGNATION, SOURCE, XYZ
PRIMARY: RTK GPS VIA VRS NETWORK
SECONDARY: COAST GUARD D-BEACON

VERTICAL CONTROL: BENCHMARK, MMLW ELEV., AGENCY MON. "UNSTAMPED" USC&GS DISK., SW CONCRETE PIER OF R/R DRAWBRIDGE OVER CREEK,, ELEV. 8.86 MLLW AND NAVD 88 DATUM.

NAD 1983
CENTERLINE ANGLE POINTS

∠ PT	X	Y
C1	6006782.40	2212407.27
C2	6006810.30	2218195.07
C3	5998998.10	2230943.37
C4	5996334.20	2232481.37
C5	5993681.30	2232908.57
C6	5990186.70	2233072.07

NAD 1983
CHANNEL ANGLE POINTS

∠ PT	X	Y
1	6006782.40	2212407.27
2	6006910.90	2218222.27
3	5999070.10	2231017.27
4	5996368.30	2232577.17
5	5993697.20	2233007.27
6	5990191.40	2233171.97
7	5990182.10	2232972.17
8	5993665.40	2232809.77
9	5996300.10	2232385.57
10	5998926.10	2230869.47
11	6006709.60	2218167.87
12	6006582.50	2212411.67

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

Mark	Description	Date	Appr.

SUBMITTED: PC
Hydro Survey Team Leader
APPROVAL RECOMMENDED:
Chief, Technical Support Section
APPROVED:
Chief, Construction Branch

DESIGNED BY: PC | CHECKED BY: TVW | DRAWN BY: EWC
DATE: 08/26/2009 | SHEET NO. 1 OF 5 | DRAWING NO. 52 | 2 | XXX

PREPARED UNDER THE DIRECTION OF
LAURENCE M. FARRELL
LT. COLONEL, C.E., DISTRICT ENGINEER

SONOMA COUNTY CALIFORNIA

PETALUMA RIVER ACROSS THE FLAT
CONDITION SURVEY
14 & 26 AUGUST 2009

Sheet reference number
C1