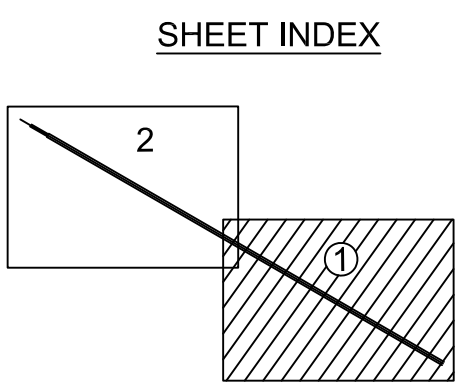
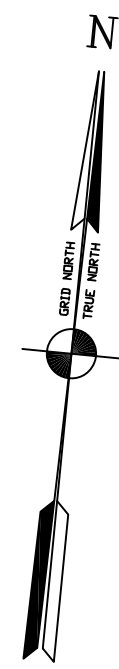


PRELIMINARY ISSUE
THIS PLAN ISSUED FOR
ADVANCE INFORMATION ONLY



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 LOCATIONS REPRESENT THE POSITION OF THE SINKER ONLY.

SURVEYED BY THE CORPS OF ENGINEERS.

SOUNDINGS FOR THE OUTSIDE CHANNEL (100 FT WIDE) TAKEN BY FATHOMETER; THE INSIDE CHANNEL (60 FT WIDE) TAKEN BY LEADLINE, 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.

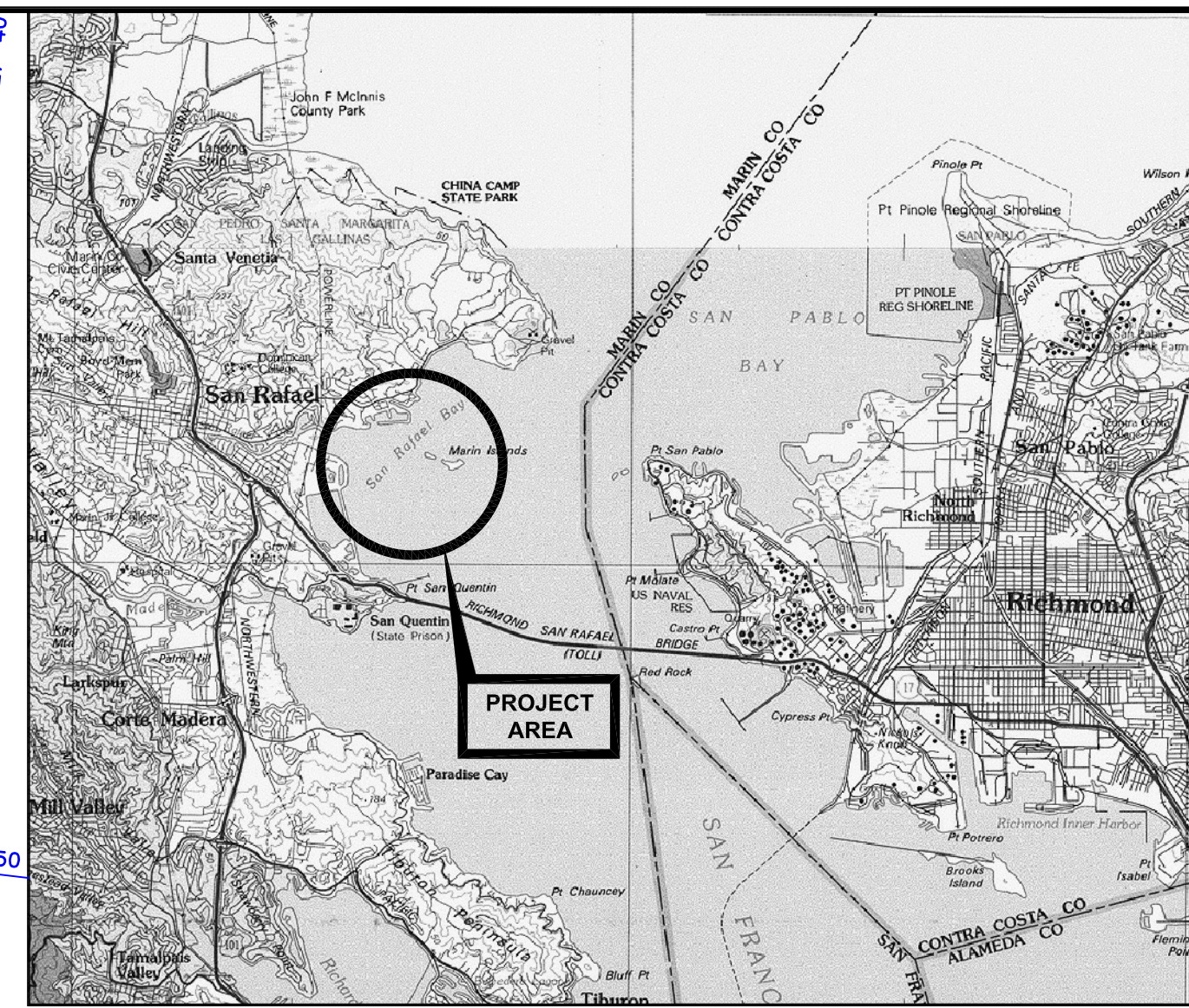
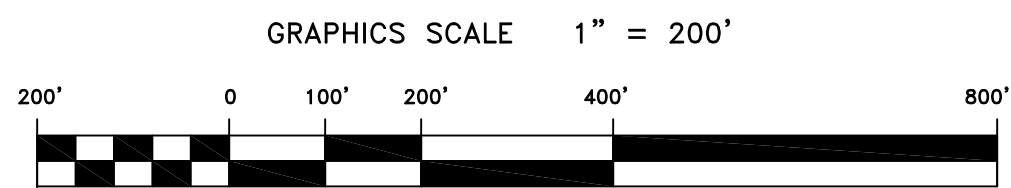
PLANE GRID AND COORDINATES ARE BASED ON LAMBERT PROJECTION, ZONE III NAD 83, CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY THE NATIONAL OCEAN SURVEY.


THE PROJECT DEPTH IS 8 FT IN 100 FT WIDE CHANNEL ACROSS THE FLATS, THENCE 6 FT IN 60 FT WIDE CHANNEL TO IRWIN STREET.

SOUNDINGS ARE BASED ON TIDE GAGE LOCATED AT EASTERLY END OF TURNING BASIN, AND REFERENCED TO U.S.C. & G.S. TIDAL B.M. NO. 17, A STD. DISK SET IN N.W. CORNER OF PUMP HOUSE DECK AT S. END OF YACHT CLUB BASIN, ON N. SIDE OF U.S. HWY. 101, AND 0.5 MI. S.E. OF SAN RAFAEL ELEVATION 9.81 FT ABOVE M.L.L.W.

NAD 1983 CENTERLINE ANGLE POINTS		
∠ PT	X	Y
C1	5986634.07	2182035.55
C2	5997907.67	2176773.45

NAD 1983 CHANNEL ANGLE POINTS		
∠ PT	X	Y
1	5986637.57	2181930.55
2	5987101.87	2181719.45
3	5987110.07	2181737.65
4	5997928.37	2176818.95
5	5997808.97	2176727.95
6	5987068.67	2181646.65
7	5987076.97	2181664.85
8	5986606.07	2181878.95




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

Mark	Description	Date	Appr.

SUBMITTED:	DESIGNED BY:	CHECKED BY:	DRAWN BY:
PDT Hydro Survey Team Leader	PDT PDT	PDT PDT	PDT PDT
APPROVAL RECOMMENDED:	DATE:	SHEET NO.:	DRAWING NO.:
Chief, Hydro Survey Section	5/14/2013	2 OF 2	
APPROVED:	PREPARED UNDER THE DIRECTION OF		
Chief, Construction Branch	JOHN K. BAKER		
	LT. COLONEL, C.E., DISTRICT ENGINEER		

CALIFORNIA
 MARIN COUNTY
**SAN RAFAEL CREEK
ACROSS THE FLAT
CONDITION SURVEY**
 10 MAY 2013

Sheet
reference
number
C1