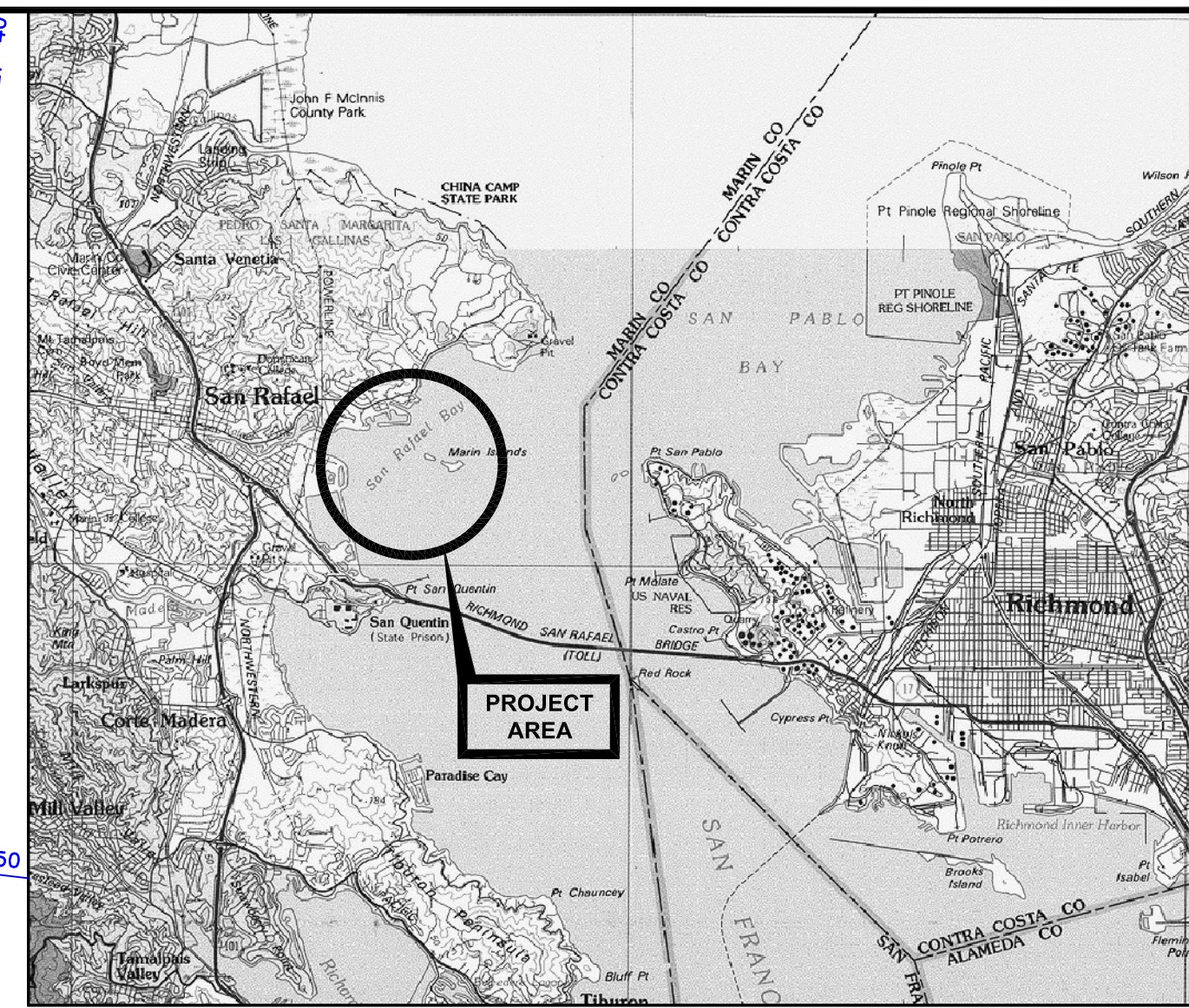
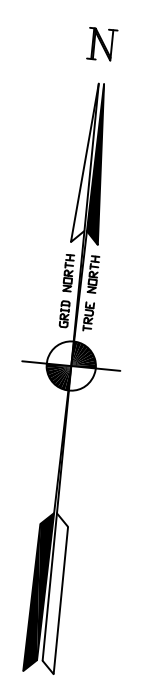
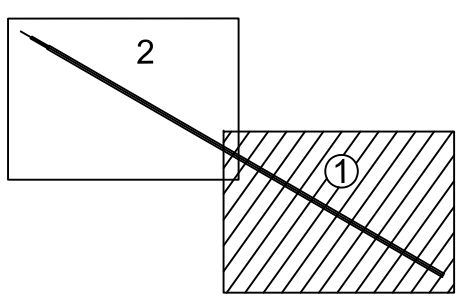


**PRELIMINARY ISSUE**  
THIS PLAN ISSUED FOR  
ADVANCE INFORMATION ONLY



**SHEET INDEX**



**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.

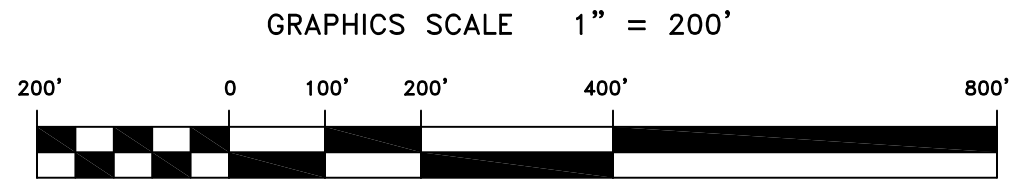
THE PROJECT DEPTH IS 8 FT IN 100 FT WIDE CHANNEL ACROSS THE FLATS, THENCE 6 FT IN 60 FT WIDE CHANNEL TO IRWIN STREET.

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.

SOUNDINGS ABOVE DATUM ARE PREFIXED WITH A (+) SIGN.

NAD 1983 CENTERLINE ANGLE POINTS		
∠ PT	X	Y
C1	59866334.07	2182035.55
C2	5997907.67	2176773.45

NAD 1983 CHANNEL ANGLE POINTS		
∠ PT	X	Y
1	59866637.57	2181930.55
2	5987101.87	2181719.45
3	5987110.07	2181737.65
4	5997928.37	2176818.95
5	5997806.97	2176727.95
6	5987068.67	2181646.65
7	5987076.97	2181664.65
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:	PDT	CHECKED BY:	PDT	DRAWN BY:	PDT
Hydro Survey Team Leader		DATE:	SHEET NO.	DRAWING NO.	
APPROVAL RECOMMENDED:		1/9/2012	2 OF 2		

DESIGNED BY:	PDT	CHECKED BY:	PDT	DRAWN BY:	PDT
DATE:	1/9/2012	SHEET NO.:	2 OF 2	DRAWING NO.:	
APPROVED:		PREPARED UNDER THE DIRECTION OF	TORREY A. DICIRO		
Chief, Construction Branch		LT. COLONEL, C.E., DISTRICT ENGINEER			

CALIFORNIA

**SAN RAFAEL CREEK**

POSTDREDGE SURVEY

5, 9, 25, 29 & 31 JANUARY 2012

Sheet reference number

**C1**