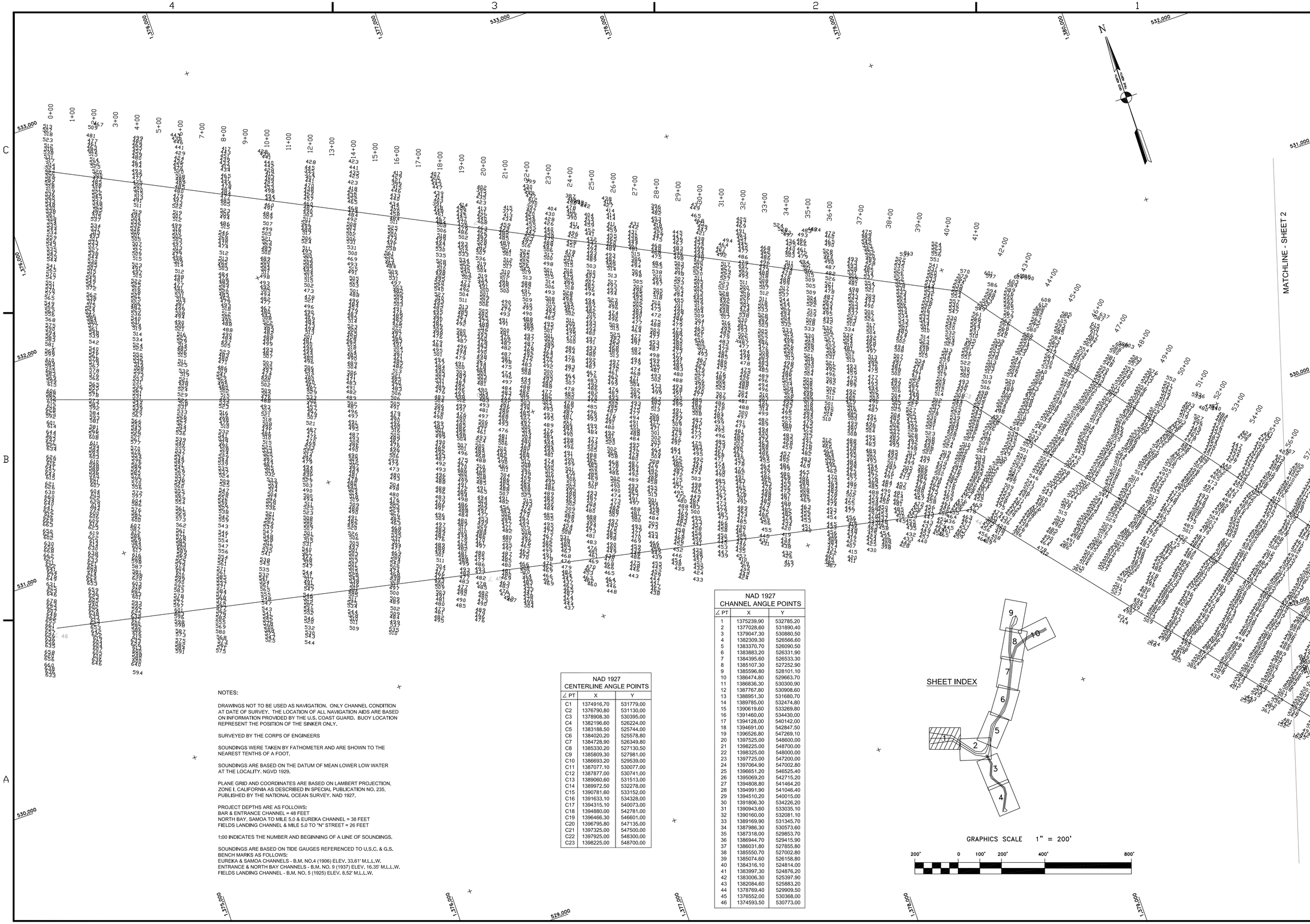

NOTES:

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 TENTHS OF A FOOT.

SOUNDINGS ARE BASED ON THE DATUM OF MEAN LOWER LOW WATER AT THE LOCALITY. NGVD 1929.

PLANE GRID AND COORDINATES ARE BASED ON LAMBERT PROJECTION, ZONE I, CALIFORNIA AS DESCRIBED IN SPECIAL PUBLICATION NO. 235, PUBLISHED BY THE NATIONAL OCEAN SURVEY. NAD 1927.

PROJECT DEPTHS ARE AS FOLLOWS:
BAR & ENTRANCE CHANNEL = 48 FEET
NORTH BAY, SAMOA TO MILE 5.0 & EUREKA CHANNEL = 38 FEET
FIELDS LANDING CHANNEL & MILE 5.0 TO "N" STREET = 26 FEET

1:00 INDICATES THE NUMBER AND BEGINNING OF A LINE OF SOUNDINGS.

SOUNDINGS ARE BASED ON TIDE GAUGES REFERENCED TO U.S.C. & G.S. BENCH MARKS AS FOLLOWS:
EUREKA & SAMOA CHANNELS - B.M. NO.4 (1906) ELEV. 33.61' M.L.L.W.
ENTRANCE & NORTH BAY CHANNELS - B.M. NO. 9 (1937) ELEV. 16.35' M.L.L.W.
FIELDS LANDING CHANNEL - B.M. NO. 5 (1925) ELEV. 8.52' M.L.L.W.

NAD 1927
CENTERLINE ANGLE POINTS

∠ PT	X	Y
C1	1374916.70	531779.00
C2	1378790.80	531130.00
C3	1378908.30	530395.00
C4	1382196.60	526224.00
C5	1383188.50	525744.00
C6	1384020.20	525578.80
C7	1384728.90	526349.80
C8	1385330.20	527130.50
C9	1385809.30	527981.00
C10	1386693.20	529539.00
C11	1387077.10	530077.00
C12	1387877.00	530741.00
C13	1389060.60	531513.00
C14	1389972.50	532278.00
C15	1390781.60	533152.00
C16	1391633.10	534328.00
C17	1394315.10	540073.00
C18	1394880.00	542781.00
C19	1396466.30	546601.00
C20	1396795.80	547135.00
C21	1397325.00	547500.00
C22	1397925.00	548300.00
C23	1398225.00	548700.00

NAD 1927
CHANNEL ANGLE POINTS

∠ PT	X	Y
1	1375239.90	532785.20
2	1377028.60	531890.40
3	1379047.30	530880.50
4	1382309.30	526566.60
5	1383370.70	526090.50
6	1383883.20	526331.90
7	1384395.60	526533.30
8	1385107.30	527252.90
9	1385596.80	528101.10
10	1386474.80	529663.70
11	1386836.30	530300.90
12	1387767.80	530908.60
13	1388951.30	531680.70
14	1389785.00	532474.80
15	1390619.60	533269.80
16	1391460.00	534430.00
17	1394128.00	540142.00
18	1394691.00	542847.50
19	1396526.80	547269.10
20	1397525.00	548600.00
21	1398225.00	548700.00
22	1398325.00	548000.00
23	1397725.00	547200.00
24	1397064.90	547002.80
25	1396651.20	546525.40
26	1395069.20	542715.20
27	1394808.80	541464.20
28	1394991.90	541046.40
29	1394510.20	540015.00
30	1391806.30	534226.20
31	1390943.60	533035.10
32	1390160.00	532081.10
33	1389169.90	531345.70
34	1387986.30	530573.60
35	1387318.00	529853.70
36	1386944.70	529415.90
37	1386031.80	527855.80
38	1385550.70	527002.80
39	1385074.60	526158.80
40	1384316.10	524814.00
41	1383997.30	524876.20
42	1383006.30	525397.90
43	1382084.60	525883.20
44	1378769.40	529909.50
45	1376552.00	530368.00
46	1374593.50	530773.00

US Army Corps of Engineers
San Francisco District
333 Market Street
San Francisco, CA 94105

Mark	Description	Date	Appr.

DESIGNED BY: TVW	CHECKED BY: PC	DRAWN BY: EWC	
DATE: 07/29/2002	SHEET NO. 1 OF 10	DRAWING NO. X X XXX	
APPROVAL RECOMMENDED: Chief, Engineering Branch	PREPARED UNDER THE DIRECTION OF MICHAEL McCORMICK LT. COLONEL, C.E., DISTRICT ENGINEER		
APPROVED: Chief, Engineering Technical & Services Div.			

HUMBOLDT COUNTY CALIFORNIA

HUMBOLDT BAY
BAR & ENTRANCE
CONDITION SURVEY
25–29 AUGUST & 7–13 SEPTEMBER 2000

Sheet reference number
C1