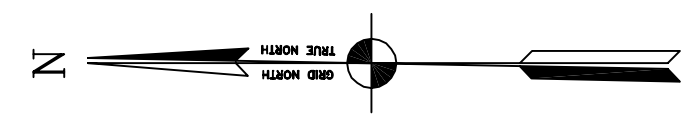


PRELIMINARY ISSUE
THIS PLAN ISSUED FOR
ADVANCE INFORMATION ONLY



NOTES:

DRAWING 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.

SOUNDINGS FOR THE OUTSIDE CHANNEL (100 FT. WIDE); THE INSIDE CHANNEL (60 FT. WIDE), AND ARE SHOWN TO THE NEAREST FOOT AND TENTHS OF A FOOT. ALL SOUNDINGS WERE TAKEN WITH INnersPACE 456 SOUNDER.

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

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.

VERTICAL CONTROL:
Mon 20 USC&GS Disk 23.53 MLLW ... NAVD 88 Datum # 168+48 => 190+00

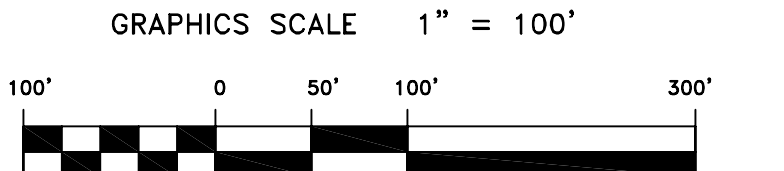
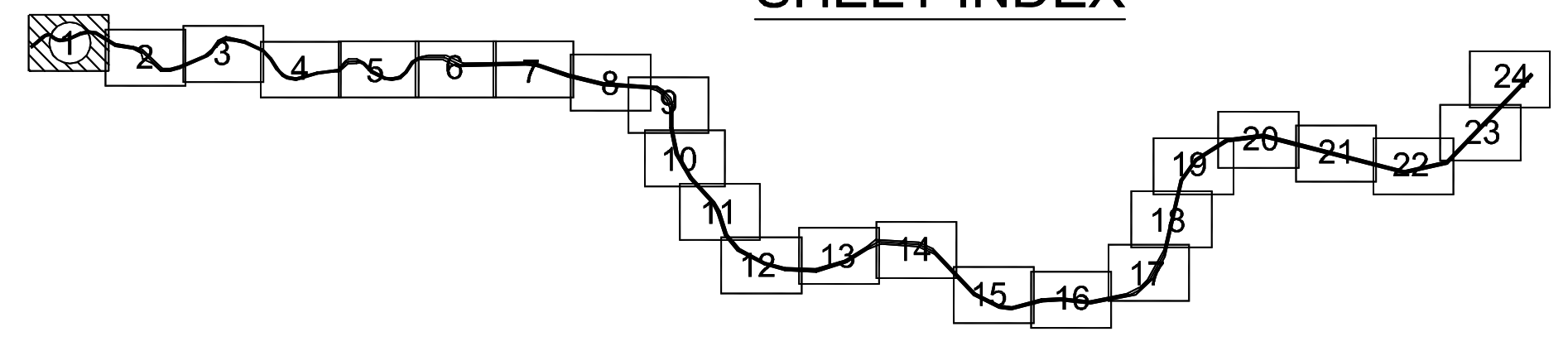
MON. TIDAL 1 1922 USC&GS DISK 7.86 M.L.L.W., NGVD 29 DATUM
CONVERTED TO NAVD 88 DATUM BY USING THE CLOSEST NOAA CONVERSION (Ederkey Island, Napa River # 941-5415) USED TO SET A TBM ON BRAZOS DRAWBRIDGE PIER 8 1 M.L.L.W., NAVD 88, Datum # 190+00 => 530+00

Mon. Mare ID 8 1936 USC&GS DISK 21.62 M.L.L.W., NGVD 27 Datum
Mon. Dock Contractor Monument 11.61 M.L.L.W., NGVD 27 Datum
Converted to closest NAVD 88 Datum (Mare Island Pier 35 # 941-5218)
Mon. Dock 11.59 M.L.L.W., NAVD 88, Datum Lines # 536+00 => 692+23

PROJECT DEPTH IS 15 FEET FROM ENTRANCE AT THE MARE ISLAND CAUSEWAY TO AYULUM SLOUGH, THENCE 10 FEET TO HEAD OF NAVIGATION.

HORIZONTAL CONTROL: DESIGNATION, SOURCE, XYZ
COAST GUARD D-BEACON

SHEET INDEX



NAD 83 CHANNEL ANGLE POINTS											
ST. NO.	X	Y	ST. NO.	X	Y	ST. NO.	X	Y	ST. NO.	X	Y
1	6048873.57	2300046.64	47	6048529.47	2285146.44	93	6046295.27	2255227.24	139	6049190.67	2287601.84
2	6050024.67	2298566.64	48	6049530.77	2284491.14	94	6045574.57	2256380.54	140	6049243.67	2287705.64
3	6050231.27	2299629.34	49	6049226.77	2283841.84	95	6044825.57	2256914.24	141	6049210.67	2288166.34
4	6050305.17	2299520.14	50	6049268.97	2281248.54	96	6041981.27	2257666.34	142	6048922.87	2288516.44
5	6050350.27	2299383.74	51	6048820.67	2279884.34	97	6041182.17	2258253.54	143	6048831.47	2289001.14
6	6050325.57	2299292.84	52	6048598.67	2278592.34	98	6040567.87	2258859.04	144	6048802.27	2290109.14
7	6050227.27	2299176.84	53	6048361.67	2276586.34	99	6040216.47	2260379.94	145	6048661.57	2290447.34
8	6050162.57	2299074.94	54	6048224.67	2276357.34	100	6040339.47	2261458.94	146	6048756.57	2290621.34
9	6050130.67	2298957.84	55	6047934.67	2276096.34	101	6040309.17	2262182.24	147	6048887.57	2290758.24
10	6050155.67	2298894.34	56	6047695.67	2275999.34	102	6040000.17	2263335.04	148	6049021.57	2290872.64
11	6050374.67	2298200.34	57	6046816.67	2276013.34	103	6040056.67	2263787.24	149	6049362.87	2291081.64
12	6050439.67	2297901.34	58	6046585.67	2275806.34	104	6040535.87	2264731.14	150	6049682.17	2291392.64
13	6050402.67	2297591.34	59	6044974.67	2275292.34	105	6042092.17	2266208.54	151	6049759.67	2291553.54
14	6049865.67	2296896.34	60	6044027.67	2274440.34	106	6042363.87	2266914.94	152	6049988.27	2292043.64
15	6049852.97	2296190.84	61	6043687.67	2274244.34	107	6042461.77	2268207.44	153	6050071.17	2292414.14
16	6049747.67	2295876.34	62	6042827.67	2273971.34	108	6042271.07	2268696.74	154	6050078.67	2292731.34
17	6049027.67	2295116.54	63	6042289.67	2273516.34	109	6041765.47	2269501.94	155	6049997.67	2292940.34
18	6049027.67	2294625.54	64	6041777.67	2272946.34	110	6041425.07	2270626.74	156	6049759.67	2293176.34
19	6049130.67	2294461.84	65	6041569.67	2271931.34	111	6041470.17	2271906.74	157	6049616.67	2293271.34
20	6049535.47	2293251.84	66	6041525.67	2270640.34	112	6041684.17	2272583.44	158	6049492.27	2293419.84
21	6049757.67	2293266.34	67	6041855.57	2269454.54	113	6042208.87	2273580.14	159	6049039.97	2293447.34
22	6050093.67	2293038.34	68	6042372.87	2268724.04	114	6042778.37	2274960.64	160	6048937.67	2293481.34
23	6050217.67	2292725.34	69	6042016.67	2268399.34	115	6042828.67	2276436.34	161	6049718.67	2293621.34
24	6050059.67	2292019.34	70	6042521.47	2268775.44	116	6043968.57	2274251.74	162	6049326.17	2293549.34
25	6049827.47	2291521.44	71	6042293.47	2268266.44	117	6044915.47	2275373.54	163	6049392.27	2293687.94
26	6049743.97	2291348.14	72	6042061.67	2267461.34	118	6045821.07	2275900.74	164	6049605.67	2293691.34
27	6049409.27	2291022.14	73	6041650.57	2266839.34	119	6046806.67	2276153.54	165	6049786.67	2293701.34
28	6049065.77	2290811.74	74	6041194.97	2266317.64	120	6047548.97	2276101.64	166	6049874.47	2293681.54
29	6048939.07	2290703.64	75	6040408.67	2265796.34	121	6047853.87	2276225.44	167	6050030.17	2293617.74
30	6048817.67	2290576.74	76	6040439.67	2265455.34	122	6048114.07	2276459.54	168	6050363.67	2293589.74
31	6048733.37	2290422.44	77	6040222.87	2265045.54	123	6048226.67	2276926.34	169	6050302.97	2293516.94
32	6048679.07	2290113.14	78	6040001.67	2264593.34	124	6048279.57	2276834.64	170	6050282.17	2293475.14
33	6048905.17	2289316.14	79	6040860.67	2264092.34	125	6048409.67	2276807.64	171	6050054.67	2293404.34
34	6048982.87	2288687.44	80	6041115.47	2263619.34	126	6048724.37	2276911.74	172	6050093.27	2293305.54
35	6049000.67	2288453.54	81	6042222.87	2263172.54	127	6049106.27	2277073.74	173	6050166.77	2293221.54
36	6049320.77	2288076.54	82	6044872.97	2262705.64	128	6049165.47	22781463.74	174	6050257.17	2293277.74
37	6049392.67	2288149.34	83	6045649.57	2262449.54	129	6049122.77	2284992.54	175	6050272.17	2293389.34
38	6049394.67	2287836.34	84	6046392.27	2262064.24	130	6049364.97	2284613.94	176	6050237.67	2293486.04
39	6049251.67	2287556.34	85	6046965.17	2261682.84	131	6049371.67	2285254.34	177	6050172.17	2293562.84
40	6049407.67	2287266.34	86	6047507.47	2261309.84	132	6049260.67	2285737.34	178	6049867.47	2293607.94
41	6048702.67	2286771.34	87	6045556.47	2260742.94	133	6048875.07	2285969.14	179	6049809.17	2300007.14
42	6048675.67	2286525.34	88	6048864.47	2243853.34	134	6048667.47	2286204.44			
43	6048736.67	2286239.34	89	6048776.47	2243801.94	135	6048599.77	2286251.54			
44	6049254.67	2286026.34	90	6045465.77	2242690.34	136	6049026.67	2286192.74			
45	6049286.67	2285788.34	91	6045104.57	2242601.44	137	6048879.77	2287298.14			
46	6049459.67	2285526.34	92	6046463.57	2253889.24	138	6048886.47	2287311.64			

NAD 83 CENTERLINE ANGLE POINTS					
ST. NO.	X	Y	ST. NO.	X	Y
1	6049841.27	2300026.94	49	6049415.67	2285525.34
2	6049996.07	2299832.24	50	6049450.57	2285335.44
3	6050201.77	2299606.14	51	6049447.87	2284552.54
4	6050271.37	2299503.04	52	6049174.77	2283967.14
5	6050311.17	2299391.54	53	6049217.17	2283366.14
6	6050292.17	2299310.24	54	6049187.67	2283161.14
7	6050197.07	2299199.14	55	6048772.57	2279988.04
8	6050127.97	2299090.24	56	6048459.07	2278600.14
9	6050092.67	2298961.04	57	6048320.67	2278710.44
10	6050118.87	2298864.74	58	6048294.17	2278606.34
11	6050338.87	2298188.64	59	6048169.37	2276408.44
12	6050401.67	2297899.54	60	6047894.27	2276160.84
13	6050367.67	2297603.34	61	6047522.37	2276050.54
14	6049810.47	2296868.44	62	6046910.47	2276063.64
15	6049815.77	2296196.14	63	6046939.37	2275853.54
16	6049676.67	2295893.84	64	6046945.07	2275332.94
17	6049862.67	2295148.94	65	6046962.17	2274481.04
18	6049892.67	2294828.44	66	6046867.37	2274290.34
19	6049895.27	2294466.14	67	6046202.97	2274015.64
20	6049513.87	2293470.84	68	6046224.97	2273548.24
21	6049687.17	2293268.84	69	6046151.97	2271799.04
22	6049758.67	2293221.34	70	60461475.37	2271633.54
23	6050063.67	2292989.34	71	6046101.47	2269525.24
24	6050148.17	2292728.44	72	60462321.97	2268710.44
25	6050106.87	2292401.84	73	6046254.77	2268303.34
26	6050023.97	2292031.54	74	6046242.67	2267952.54
27	6049793.57	2291537.54	75	60462192.87	226637.54
28	6049713.07	2291370.44	76	60460576.77	2264701.24
29	6049386.07	2291051.64	77	6046108.67	226379.14
30	6049043.67	2290642.14	78	6046081.57	2263326.34
31	6048913.27	2290730.94	79	6046038.97	2262192.24
32	6048797.07	2290599.64	80	6046039.57	2261457.14
33	6048697.47	2290434.94	81	6046026.07	2260382.14
34	6048640.67	2290111.14	82	60460484.77	2258826.14
35	6048668.27	2289938.54	83	60460174.27	2258575.64
36	6048644.57	2289895.24	84	60461138.77	2258121.74
37	6048961.77	2288529.94	85	6046103.77	2257586.34
38	6049285.67	2288221.44	86	6044851.27	2256960.04
39	6049501.67	2288140.84	87	6045612.07	2256415.04
40	6049313.67	2287874.84	88	6046343.47	2255244.34
41	6049319.17	2287770.94	89	6046319.17	2253886.04
42	6049221.17	2287579.04	90	6045155.97	2248600.64
43	6049193.67	2287282.24	91	6045511.07	2247016.84
44	6048666.17	2286782.04	92	6048819.87	2243829.54
45	6048637.77	2286523.44			
46	6048702.67	2286224.34			
47	6048699.87	2285987.74			
48	6049258.67	2285732.84			

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

<p>DESIGNED BY: TVW CHECKED BY: EWC DRAWING NO: 1 OF 24 5/1 2 103 DATE: 10/10/2006 APPROVAL RECOMMENDED: CRAIG W. KILEY PREPARED UNDER THE DIRECTION OF LT. COLONEL, C.E., DISTRICT ENGINEER</p>	<p>APPROVED: CRAIG W. KILEY</p>
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