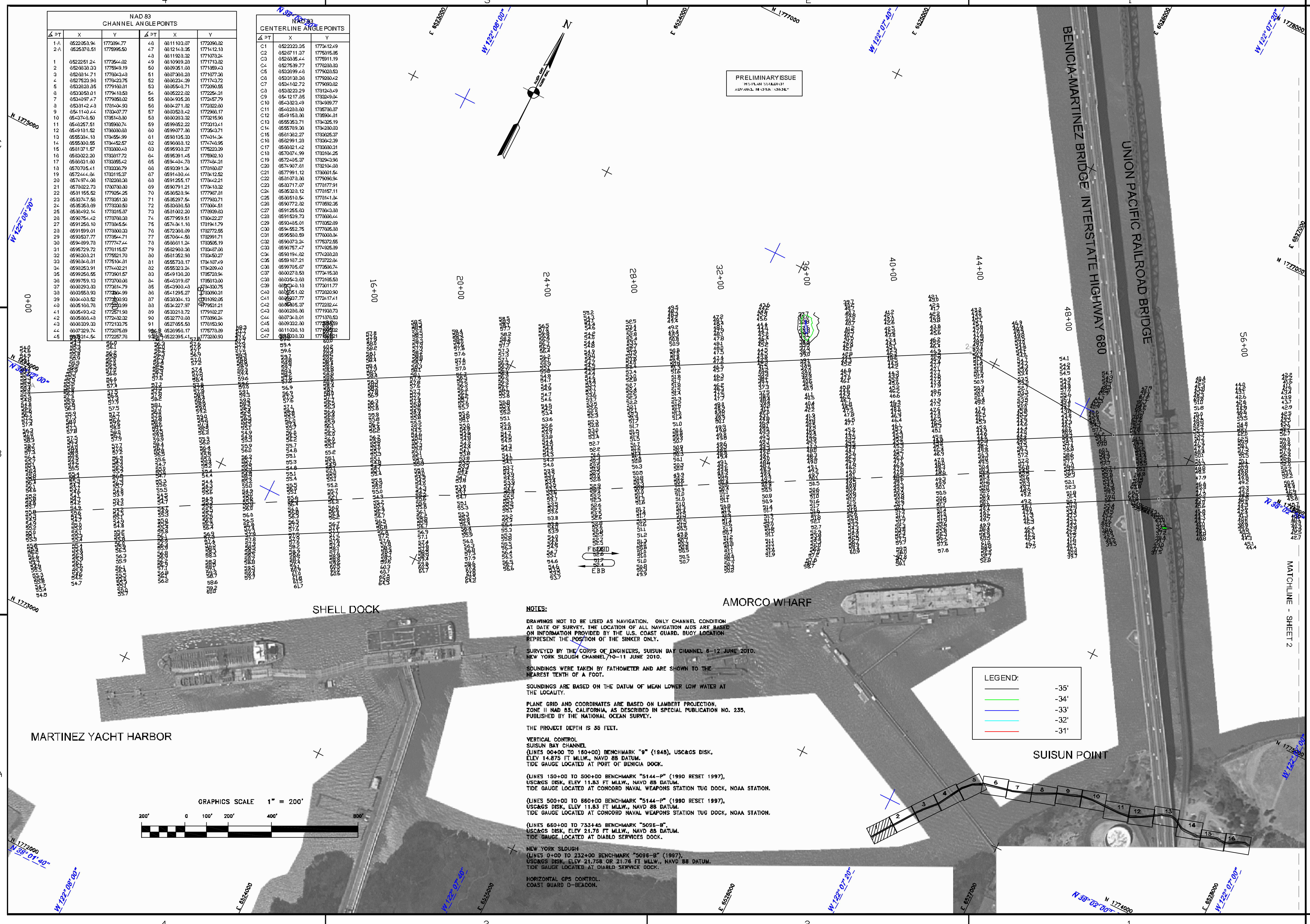


Mark	Description	Date	Appr.

DESIGNED BY:	FDT	CHECKED BY:	FDT
DRAWN BY:	FDT	DRAWING NO.:	4
DATE:	6/21/2010	SHEET NO.:	1 OF 16
APPROVAL RECOMMENDOR:	STEPHEN P. KILMON, P.S.M.	PREPARED UNDER THE DIRECTION OF:	LAURENCE M. FARRELL
CHIEF, District Office:		APPROVED:	
CHIEF, Construction Branch:			
			LT. COLONEL, C.E., DISTRICT ENGINEER

CALIFORNIA
CONTRA COSTA COUNTY
SUISUN BAY CHANNEL
CONDITION SURVEY
6-12 JUNE 2010

Sheet reference number
G1



NAD 83
CHANNEL ANGLEPOINTS

Δ>T	X	Y	Δ>T	X	Y
1.A	0522053.94	177399.77	4.6	0611103.07	177296.02
2.A	0525079.51	177995.50	4.7	0612143.35	177112.13
1	0522251.24	177354.32	4.3	0611523.32	177107.24
2	0523033.33	177954.19	4.9	0610989.23	177171.32
3	052314.71	177604.43	5.0	0609351.03	1771359.43
4	0527523.93	177623.75	5.2	0606204.39	177143.72
5	0532623.85	177910.01	5.3	0605543.71	177290.55
6	0533050.01	177910.58	5.4	0605222.02	177294.31
7	0534397.7	177959.32	5.5	0604305.23	177243.73
8	0534142.43	1781404.90	5.6	0604271.82	1772322.90
9	0541140.44	1780407.77	5.7	0603523.42	177296.17
10	0543748.50	1785143.00	5.8	0600203.32	1773215.96
11	0546257.51	1789900.74	5.9	0599952.22	1773313.41
12	0549131.52	1793000.00	6.0	0599077.38	1773543.71
13	0552504.13	179454.99	6.1	0598105.30	177414.24
14	0555300.55	1794452.57	6.2	0596903.12	1774743.95
15	0558137.157	1793300.43	6.3	0595903.27	1775223.39
16	0563022.20	1793317.22	6.4	0595391.45	1775902.10
17	0566931.90	1793365.42	6.5	0594404.73	1777494.31
18	0570705.41	1793336.79	6.6	0593391.34	1779100.27
19	0574443.84	1793115.37	6.7	0592140.44	1779412.52
20	0574974.03	1793233.33	6.8	0591255.17	177942.21
21	0578022.73	1793730.00	6.9	0590791.21	1779413.32
22	0581155.52	179295.25	7.0	0589523.94	177937.81
23	0583074.58	179361.00	7.1	0588297.54	177930.71
24	0585333.39	179330.50	7.2	0587036.53	177930.51
25	0587492.14	179315.37	7.3	0585912.30	1779399.83
26	0590754.42	1793703.33	7.4	0584769.51	1793422.27
27	0591258.10	179384.54	7.5	058341.16	1793194.79
28	0591999.01	179300.33	7.6	0582388.09	179272.55
29	0593937.77	179364.71	7.7	0581044.58	1792991.71
30	0594899.73	179377.44	7.8	0579811.24	1792975.19
31	0595729.72	1793115.37	7.9	0578490.38	1793437.33
32	0598203.21	1795521.70	8.0	0577152.98	1793450.27
33	0598433.31	1795104.31	8.1	0575733.17	1794107.49
34	0598253.91	1794422.21	8.2	0574233.24	1794209.40
35	0599256.55	179301.57	8.3	0572913.20	179523.94
36	0599899.13	179282.32	8.4	0571700.39	179523.39
37	0600293.30	179314.79	8.5	0570430.43	1794300.75
38	0600553.93	179334.99	8.6	05691295.27	1793990.31
39	0604403.52	179300.93	8.7	0567833.13	17931092.05
4.0	0605103.76	179290.99	8.8	05664227.97	1792961.21
4.1	0605493.42	179257.198	8.9	05650218.72	1792102.27
4.2	0605883.43	179232.32	9.0	0563770.39	1791399.24
4.3	0606339.30	1792133.75	9.1	05627355.53	1791153.90
4.4	0607329.74	1792075.39	9.2	05616295.17	1790773.39
4.5	0608314.54	1792257.73	9.3	05605223.95.41	1790300.93

NAD 83
CENTERLINE ANGLEPOINTS

Δ>T	X	Y	Δ>T	X	Y
C1	8522323.35	1773412.49	C17	8593033.33	1773300.43
C2	8520711.37	1775015.36	C18	8592037.49	1773317.22
C3	8520035.44	1775911.19	C19	8591044.73	177494.31
C4	8527539.77	1776233.53	C20	8590077.38	1775943.71
C5	8532039.43	1779023.50	C21	8589079.51	1779100.27
C6	8531131.26	1779300.42	C22	8588079.51	1779100.27
C7	8534132.72	1779593.32	C23	8587036.53	177930.51
C8	8533223.29	1781043.49	C24	8585912.30	1779399.83
C9	8541217.35	1780249.94	C25	8584769.51	1793422.27
C10	8543233.49	1784999.77	C26	858341.16	1793194.79
C11	8546233.00	1787963.37	C27	8582388.09	179272.55
C12	8549153.39	178990.31	C28	8581044.58	1792991.71
C13	8552504.13	179425.19	C29	8579811.24	1792975.19
C14	8555703.33	1794230.00	C30	8578490.38	1793437.33
C15	8561332.27	1790025.37	C31	8577152.98	1793450.27
C16	8562991.23	179042.39	C32	8575733.17	1794107.49
C17	856621.42	1793003.31	C33	8574233.24	1794209.40
C18	8570374.99	1793104.25	C34	8572913.20	179523.94
C19	8572405.37	1792823.93	C35	8571700.39	179523.39
C20	8574907.81	1792104.30	C36	8570430.43	1794300.75
C21	8577991.12	1790001.54	C37	85691295.27	1793990.31
C22	8581073.38	1779093.94	C38	8567833.13	17931092.05
C23	8583071.07	1778177.91	C39	85664227.97	1792961.21
C24	8585233.12	1778187.11	C40	85650218.72	1792102.27
C25	8586310.54	1778113.34	C41	8563770.39	1791399.24
C26	8587272.32	1778592.35	C42	85627355.53	1791153.90
C27	8588255.03	1778643.30	C43	85616295.17	1790773.39
C28	8589159.73	1778003.44	C44	85605223.95	1790300.93
C29	8590435.01	1778523.39	C45	85594223.95	1789827.39
C30	8591552.75	1778063.33	C46	8558314.54	1789257.73
C31	8592610.54	1778113.34	C47	8557257.73	1788700.93
C32	8593707.32	1778592.35	C48	8556203.91	1788153.90
C33	8594807.34	1778072.55	C49	8555153.90	1787607.15
C34	8595907.34	1777525.39	C50	8554103.76	1787060.93
C35	8597007.34	1776978.76	C51	8553053.91	1786514.18
C36	8598107.34	1776431.13	C52	8552003.91	1785967.43
C37	8599207.34	1775883.50	C53	8550953.91	1785420.68
C38	8599307.34	1775335.87	C54	8549903.91	1784873.93
C39	8599407.34	1774788.24	C55	8548853.91	1784327.18
C40	8599507.34	1774240.61	C56	8547803.91	1783780.43
C41	8599607.34	1773692.98	C57	8546753.91	1783233.68
C42	8599707.34	1773145.35	C58	8545703.91	1782686.93
C43	8599807.34	1772597.72	C59	8544653.91	1782140.18
C44	8599907.34	1772050.09	C60	8543603.91	1781593.43
C45	8599907.34	1771502.46	C61	8542553.91	1781046.68
C46	8599907.34	1770954.83	C62	8541503.91	1780499.93
C47	8599907.34	1770407.20	C63	8540453.91	1779953.18
C48	8599907.34	1769859.57	C64	8539403.91	1779406.43
C49	8599907.34	1769311.94	C65	8538353.91	1778859.68
C50	8599907.34	1768764.31	C66	8537303.91	1778312.93
C51	8599907.34	1768216.68	C67	8536253.91	1777766.18
C52	8599907.34	1767669.05	C68	8535203.91	1777219.43
C53	8599907.34	1767121.42	C69	8534153.91	1776672.68
C54	8599907.34	1766573.79	C70	8533103.91	1776125.93
C55	8599907.34	1766026.16	C71	8532053.91	1775579.18
C56	8599907.34	1765478.53	C72	8531003.91	1775032.43
C57	8599907.34	1764930.90	C73	8530003.91	1774485.68
C58	8599907.34	1764383.2			