

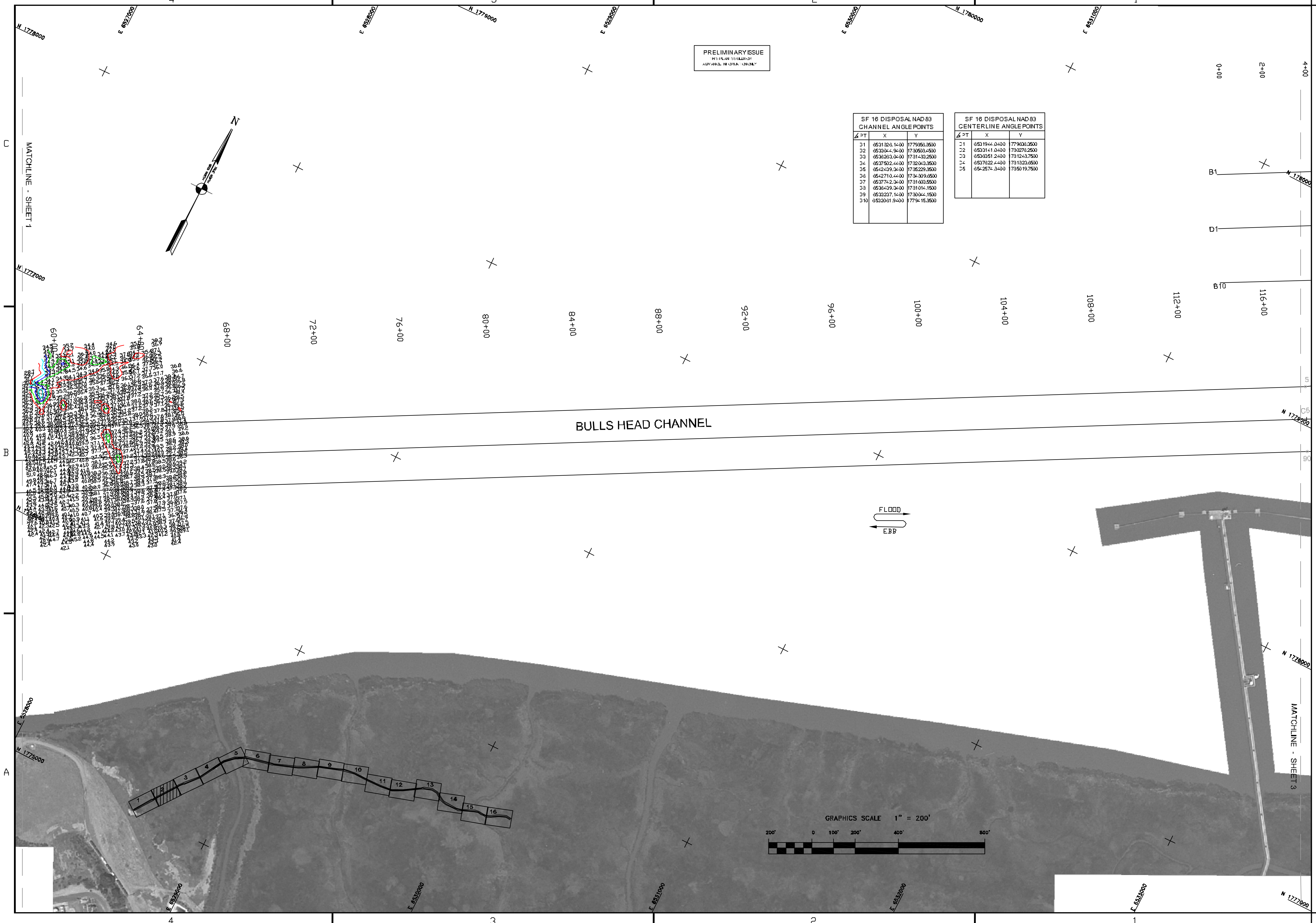
PRELIMINARY ISSUE
   
 THIS PLAN IS VALID FOR
   
 ADVANCEMENT ONLY

SF 16 DISPOSAL NAD83 CHANNEL ANGLEPOINTS

Δ PT	X	Y
31	8531328.1400	1779359.3500
32	8530044.9400	1730503.4500
33	8530203.0400	1731430.2500
34	8537502.4400	1732043.3500
35	8542439.3400	1735229.3500
36	8542710.4400	1734309.8500
37	8537742.3400	1731833.5500
38	8530439.3400	1731014.1500
39	8530207.1400	1730044.1500
310	8532081.9400	1779415.3500

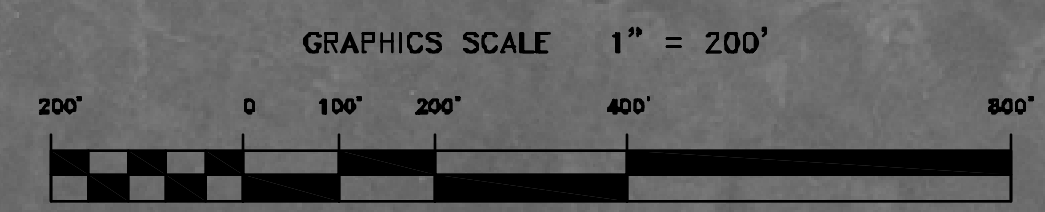
SF 16 DISPOSAL NAD83 CENTERLINE ANGLEPOINTS

Δ PT	X	Y
21	8531944.0400	1779363.0500
22	8533141.0400	1730278.2500
23	8533851.2400	1731243.7500
24	8537022.4400	1731823.8500
25	8542574.3400	1735019.7500



Channel Profile Data (Station 60+00 to 64+00)

Station	Left Bank Elevation	Right Bank Elevation	Channel Bottom Elevation
60+00	100.00	105.00	95.00
60+10	100.50	105.50	95.50
60+20	101.00	106.00	96.00
60+30	101.50	106.50	96.50
60+40	102.00	107.00	97.00
60+50	102.50	107.50	97.50
60+60	103.00	108.00	98.00
60+70	103.50	108.50	98.50
60+80	104.00	109.00	99.00
60+90	104.50	109.50	99.50
61+00	105.00	110.00	100.00
61+10	105.50	110.50	100.50
61+20	106.00	111.00	101.00
61+30	106.50	111.50	101.50
61+40	107.00	112.00	102.00
61+50	107.50	112.50	102.50
61+60	108.00	113.00	103.00
61+70	108.50	113.50	103.50
61+80	109.00	114.00	104.00
61+90	109.50	114.50	104.50
62+00	110.00	115.00	105.00
62+10	110.50	115.50	105.50
62+20	111.00	116.00	106.00
62+30	111.50	116.50	106.50
62+40	112.00	117.00	107.00
62+50	112.50	117.50	107.50
62+60	113.00	118.00	108.00
62+70	113.50	118.50	108.50
62+80	114.00	119.00	109.00
62+90	114.50	119.50	109.50
63+00	115.00	120.00	110.00
63+10	115.50	120.50	110.50
63+20	116.00	121.00	111.00
63+30	116.50	121.50	111.50
63+40	117.00	122.00	112.00
63+50	117.50	122.50	112.50
63+60	118.00	123.00	113.00
63+70	118.50	123.50	113.50
63+80	119.00	124.00	114.00
63+90	119.50	124.50	114.50
64+00	120.00	125.00	115.00



DESIGNED BY:	TYVA	CHECKED BY:	EWC
DATE:	5/01/2007	DRAWING NO.:	4
SHEET NO.:	2 OF 16	SHEET NO.:	2
DESIGNED UNDER THE DIRECTION OF:		PREPARED UNDER THE DIRECTION OF:	
LT. COLONEL W. KILEY		CRAIG W. KILEY	
SUBMITTED:		APPROVAL RECOMMENDED:	
MC		CHIEF, Technical Support Section	
San Francisco Term Leader		APPROVED:	
		CHIEF, Construction Branch	

CONTRA COSTA COUNTY
   
 CALIFORNIA
   
**BULLS HEAD CHANNEL**
  
 CONDITION SURVEY
   
 01 MAY 2007

Sheet reference number
   
**C2**