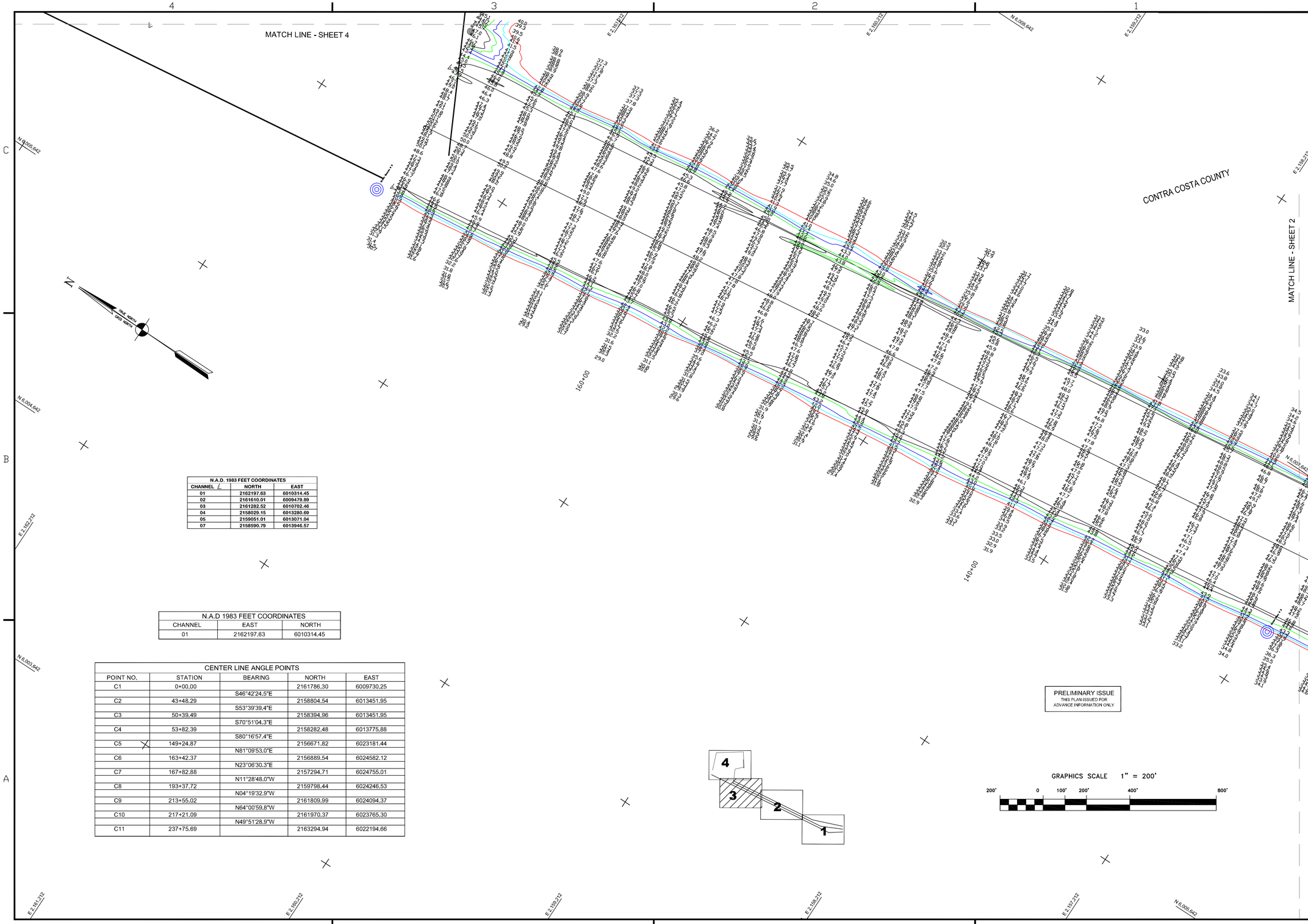

N.A.D. 1983 FEET COORDINATES		
CHANNEL ℄	NORTH	EAST
01	2162197.63	6010314.45
02	2161610.01	6009479.89
03	2161282.52	6010702.46
04	2158029.15	6013280.69
05	2159051.01	6013071.04
07	2158590.79	6013946.57

N.A.D 1983 FEET COORDINATES		
CHANNEL	EAST	NORTH
01	2162197,63	6010314,45

CENTER LINE ANGLE POINTS				
POINT NO.	STATION	BEARING	NORTH	EAST
C1	0+00.00		2161786.30	6009730.25
		S46°42'24.5"E		
C2	43+48.29		2158804.54	6013451.95
		S53°39'39.4"E		
C3	50+39.49		2158394.96	6013451.95
		S70°51'04.3"E		
C4	53+82.39		2158282.48	6013775.88
		S80°16'57.4"E		
C5	149+24.87		2156671.82	6023181.44
		N81°09'53.0"E		
C6	163+42.37		2156889.54	6024582.12
		N23°06'30.3"E		
C7	167+82.88		2157294.71	6024755.01
		N11°28'48.0"W		
C8	193+37.72		2159798.44	6024246.53
		N04°19'32.9"W		
C9	213+55.02		2161809.99	6024094.37
		N64°00'59.8"W		
C10	217+21.09		2161970.37	6023765.30
		N49°51'28.9"W		
C11	237+75.69		2163294.94	6022194.66

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

Mark	Description	Date	Appr.

DESIGNED BY: PC
Hydro Survey Team Leader
APPROVAL RECOMMENDED:
Chief, Technical Support Section
APPROVED:
Chief, Construction Branch

CHECKED BY: TVW
DRAWN BY: EC
DATE: 9/19/2005
SHEET NO. 2 OF 4
DRAWING NO. 9 2 343

PREPARED UNDER THE DIRECTION OF
PHILIP T. FEIR
LT. COLONEL, C.E., DISTRICT ENGINEER

CONTRA COSTA COUNTY CALIFORNIA
RICHMOND HARBOR
SOUTH HAMPTON SHOALS
CONDITION SURVEY
6 & 7 SEPTEMBER 2005

Sheet reference number
C3