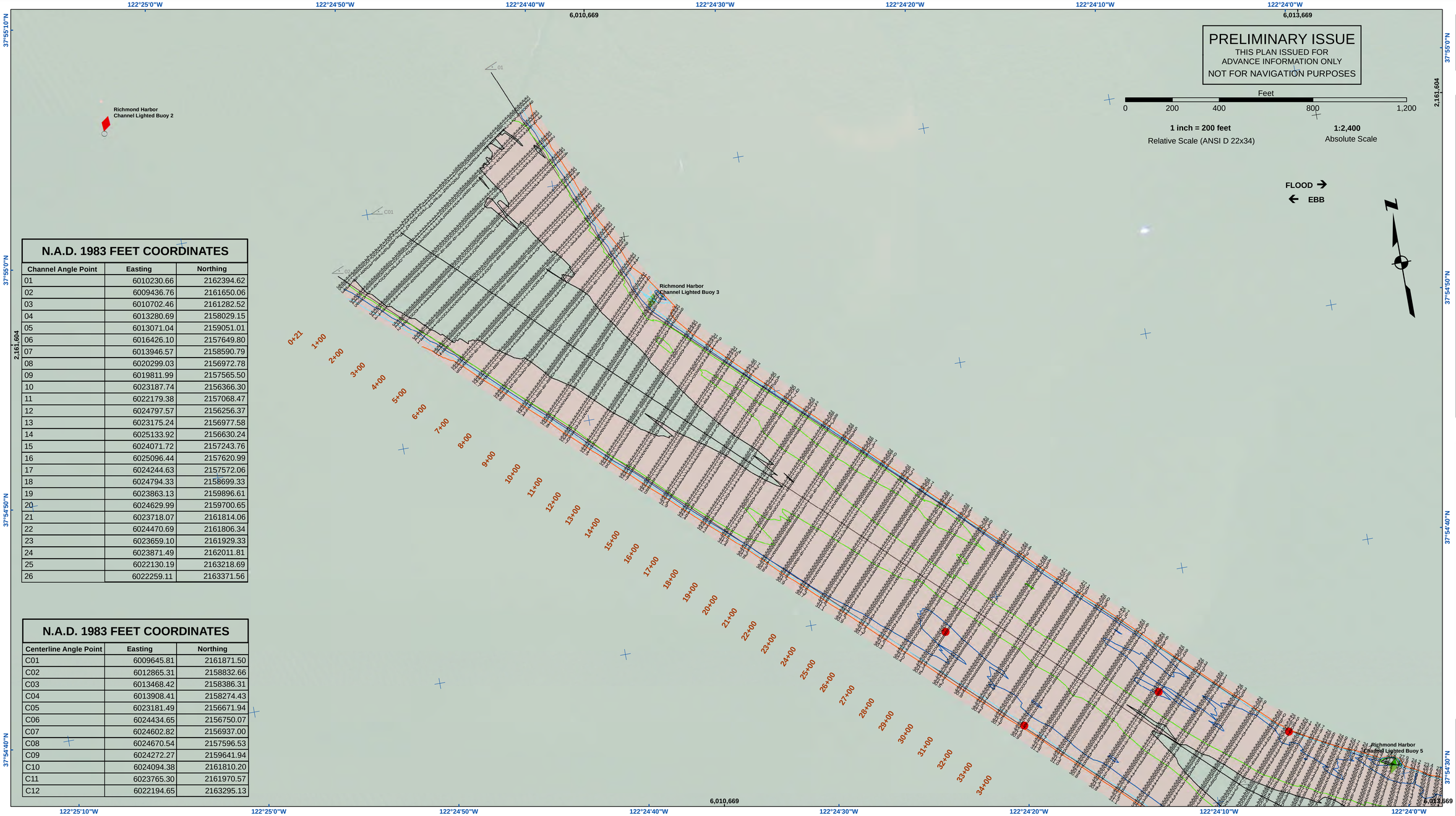


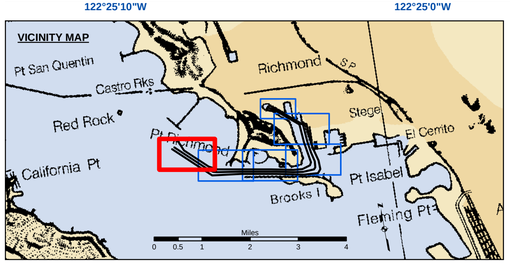
N.A.D. 1983 FEET COORDINATES

Channel Angle Point	Easting	Northing
01	6010230.66	2162394.62
02	6009436.76	2161650.06
03	6010702.46	2161282.52
04	6013280.69	2158029.15
05	6013071.04	2159051.01
06	6016426.10	2157649.80
07	6013946.57	2158590.79
08	6020299.03	2156972.78
09	6019811.99	2157565.50
10	6023187.74	2156366.30
11	6022179.38	2157068.47
12	6024797.57	2156256.37
13	6023175.24	2156977.58
14	6025133.92	2156630.24
15	6024071.72	2157243.76
16	6025096.44	2157620.99
17	6024244.63	2157572.06
18	6024794.33	2158699.33
19	6023863.13	2159896.61
20	6024629.99	2159700.65
21	6023718.07	2161814.06
22	6024470.69	2161806.34
23	6023659.10	2161929.33
24	6023871.49	2162011.81
25	6022130.19	2163218.69
26	6022259.11	2163371.56

N.A.D. 1983 FEET COORDINATES

Centerline Angle Point	Easting	Northing
C01	6009645.81	2161871.50
C02	6012865.31	2158832.66
C03	6013468.42	2158386.31
C04	6013908.41	2158274.43
C05	6023181.49	2156671.94
C06	6024434.65	2156750.07
C07	6024602.82	2156937.00
C08	6024670.54	2157596.53
C09	6024272.27	2159641.94
C10	6024094.38	2161810.20
C11	6023765.30	2161970.57
C12	6022194.65	2163295.13

VICINITY MAP



Federal Navigation Channel
Shoaling Area
Placement Area
Anchorage Area
Wreck Area
Submerged Wreck
Angle Point
Beacon, General
Obstruction Point
Navigation Buoy
Navigation Buoy
Shoalest Sounding*

Contours
-38
-37
-36
-35
-34

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B.M. LS 2769 CITY OF RICHMOND DISK PAVEMENT 13.971 FT. MLLW.

TIDE GAGE LOCATION: MON B-1.

HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON.
VERTICAL CONTROL: BENCHMARK, MLLW ELEV., AGENCY

US Army Corps of Engineers
San Francisco District
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Chart Date: Oct 25, 2024
Surveyed By:
Designed by:
Plotted By: PDT
Drawn by: PDT
Checked By: PDT

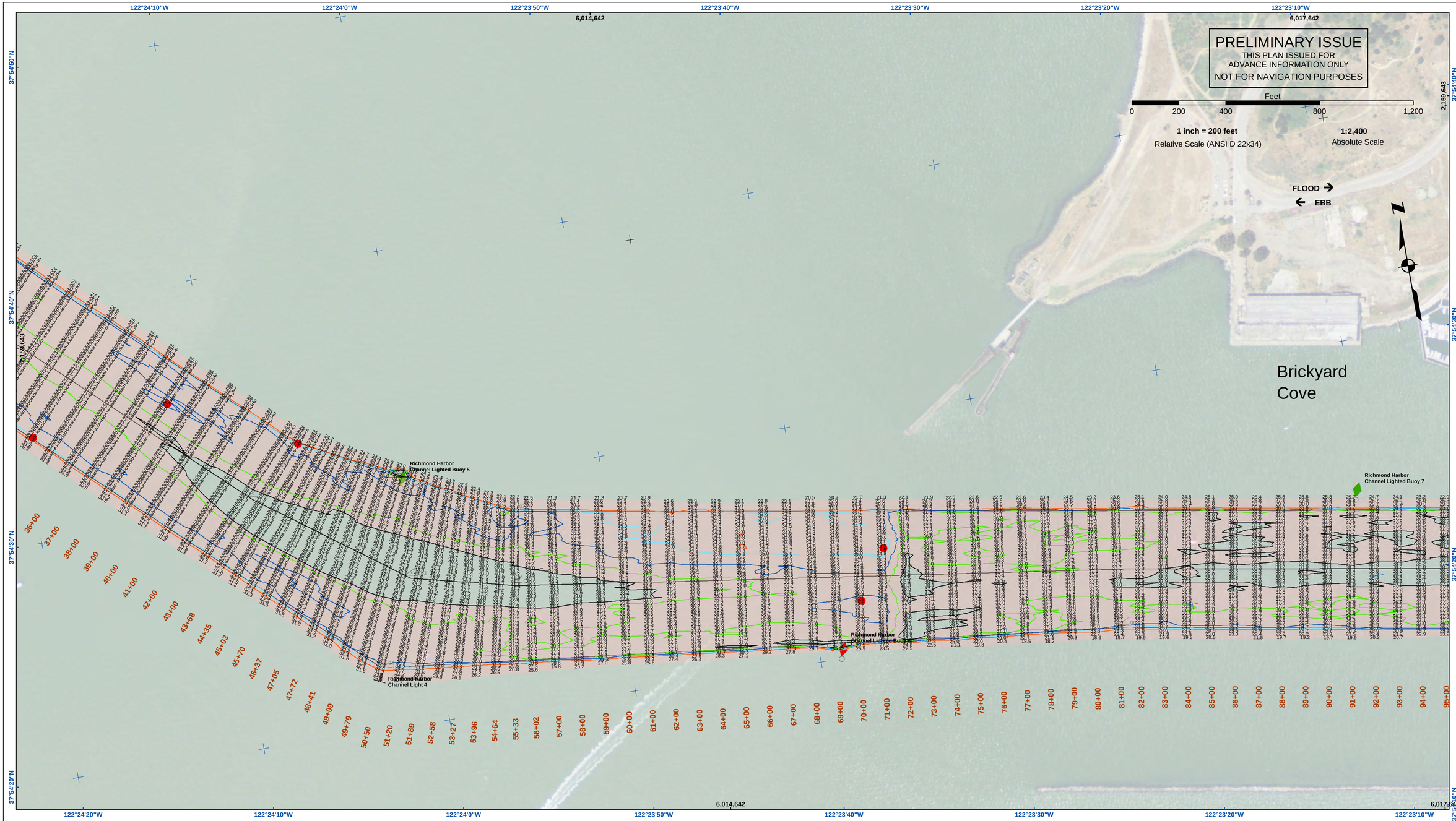
PREPARED UNDER THE DIRECTION OF
TIMOTHY W. SHEBESTA
LT COLONEL, C.E., DISTRICT ENGINEER

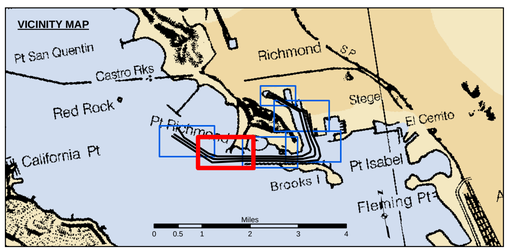
Submitted: Hydro Survey Team Leader
Recommended: Chief, Hydro Survey Section
Approved: Chief, Construction Branch

CONTRA COSTA COUNTY CALIFORNIA

RICHMOND INNER HARBOR
CONDITION SURVEY
17 OCTOBER 2024

Sheet Reference Number
1 of 6





Federal Navigation Channel
Shoaling Area
Placement Area
Anchorage Area
Wreck Area
Submerged Wreck
Angle Point

Beacon, General
Obstruction Point
Navigation Buoy
Navigation Buoy
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PREPARED UNDER THE DIRECTION OF:
TIMOTHY W. SHEBESTA
LT COLONEL, C.E., DISTRICT ENGINEER

Submitted: Hydro Survey Team Leader
Recommended: Chief, Hydro Survey Section
Approved: Chief, Construction Branch

CONTRA COSTA COUNTY CALIFORNIA

RICHMOND INNER HARBOR
CONDITION SURVEY
17 OCTOBER 2024

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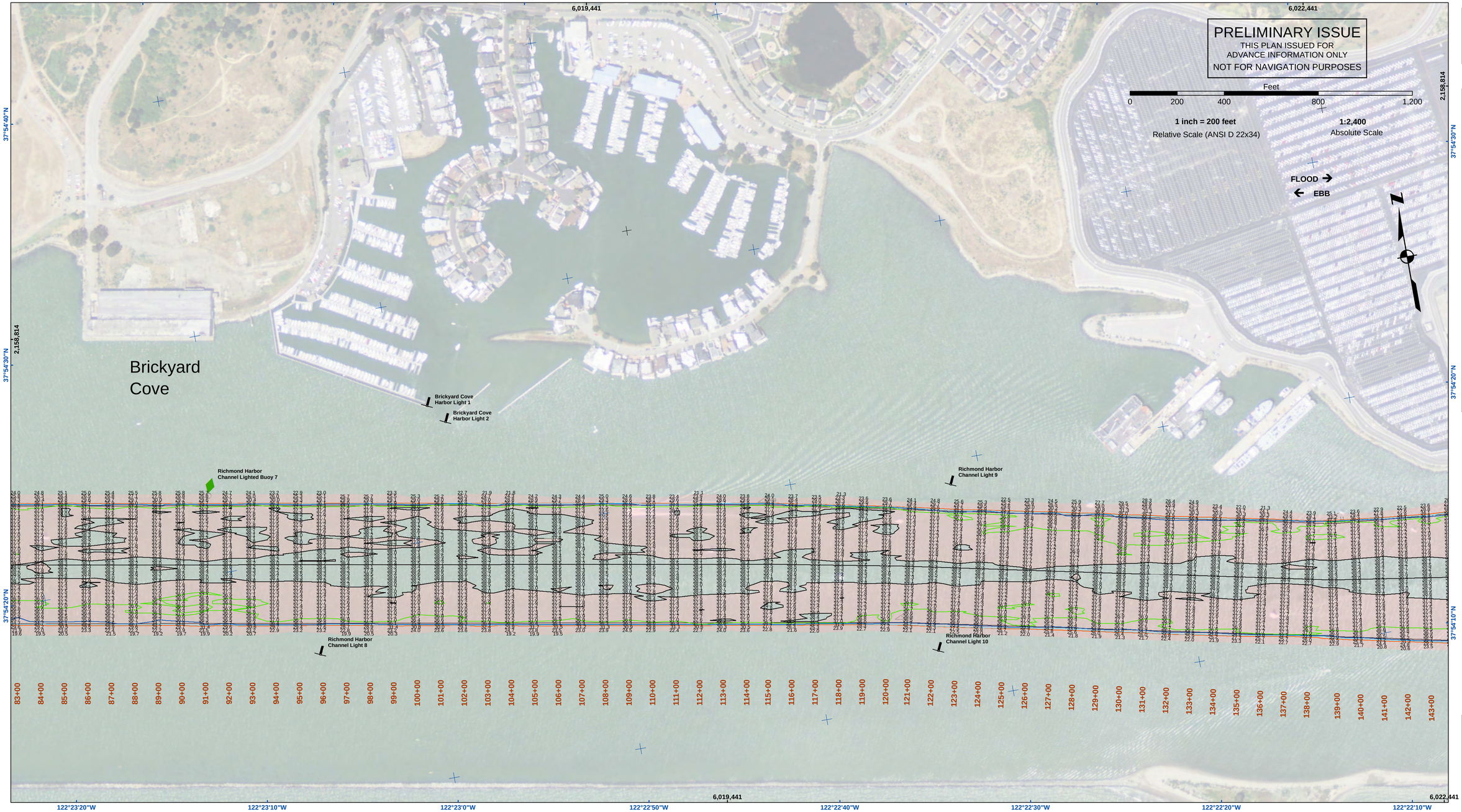

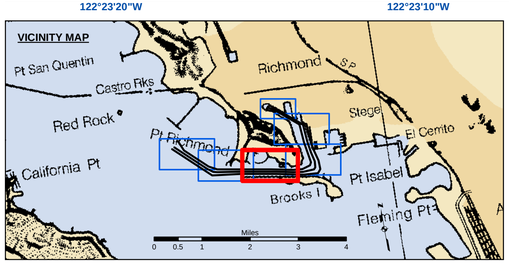

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LT COLONEL, C.E. DISTRICT ENGINEER

Submitted: Hydro Survey Team Leader
Recommended: Chief, Hydro Survey Section
Approved: Chief, Construction Branch

CONTRA COSTA COUNTY CALIFORNIA

RICHMOND INNER HARBOR
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17 OCTOBER 2024

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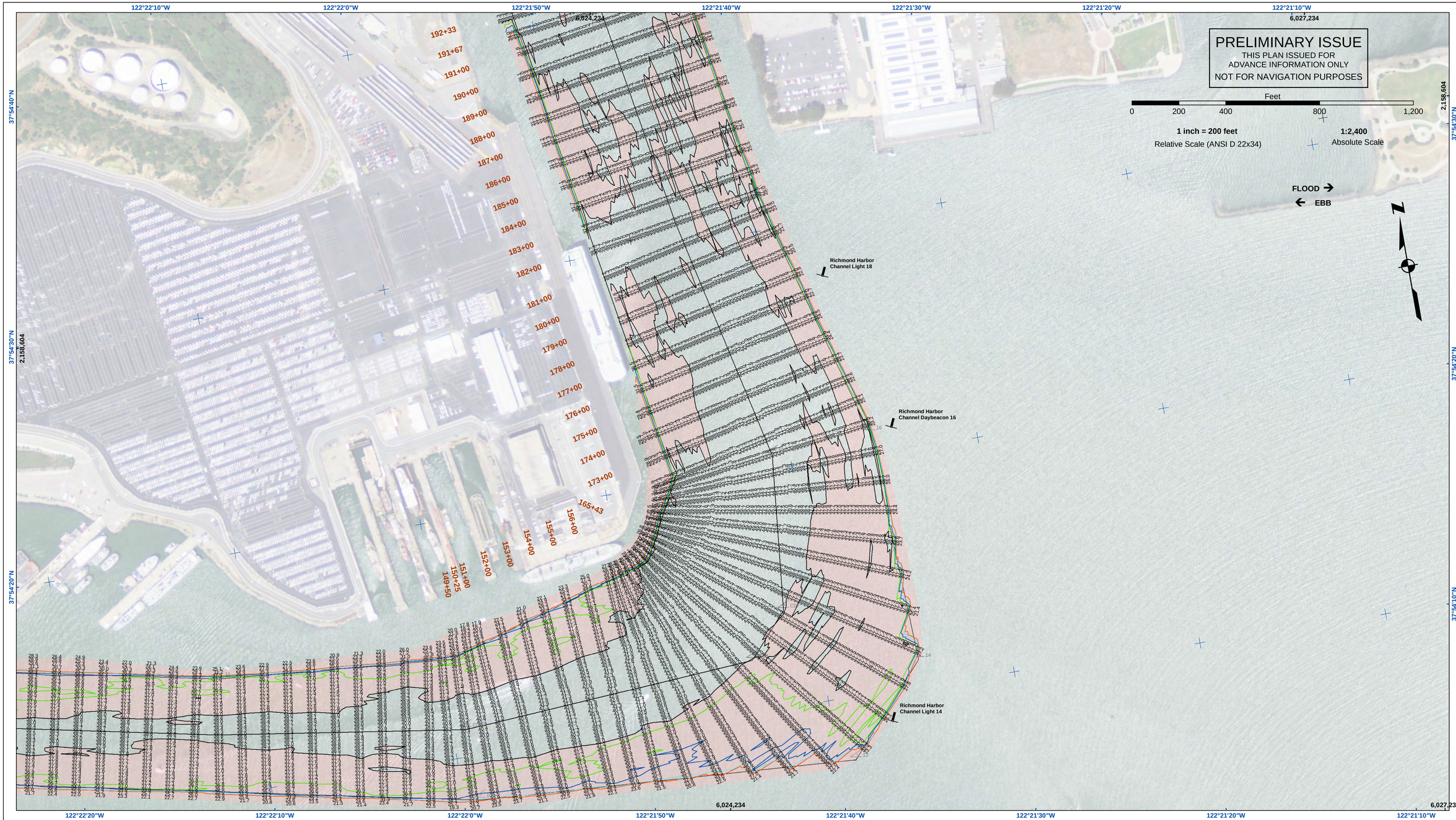

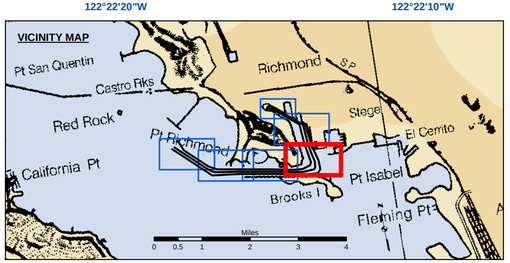

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Designed by:	
Plotted By:	PDT
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Checked By:	PDT

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LT COLONEL, C.E. DISTRICT ENGINEER

Submitted: Hydro Survey Team Leader
Recommended: Chief, Hydro Survey Section
Approved: Chief, Construction Branch

CONTRA COSTA COUNTY CALIFORNIA

RICHMOND INNER HARBOR
CONDITION SURVEY
17 OCTOBER 2024

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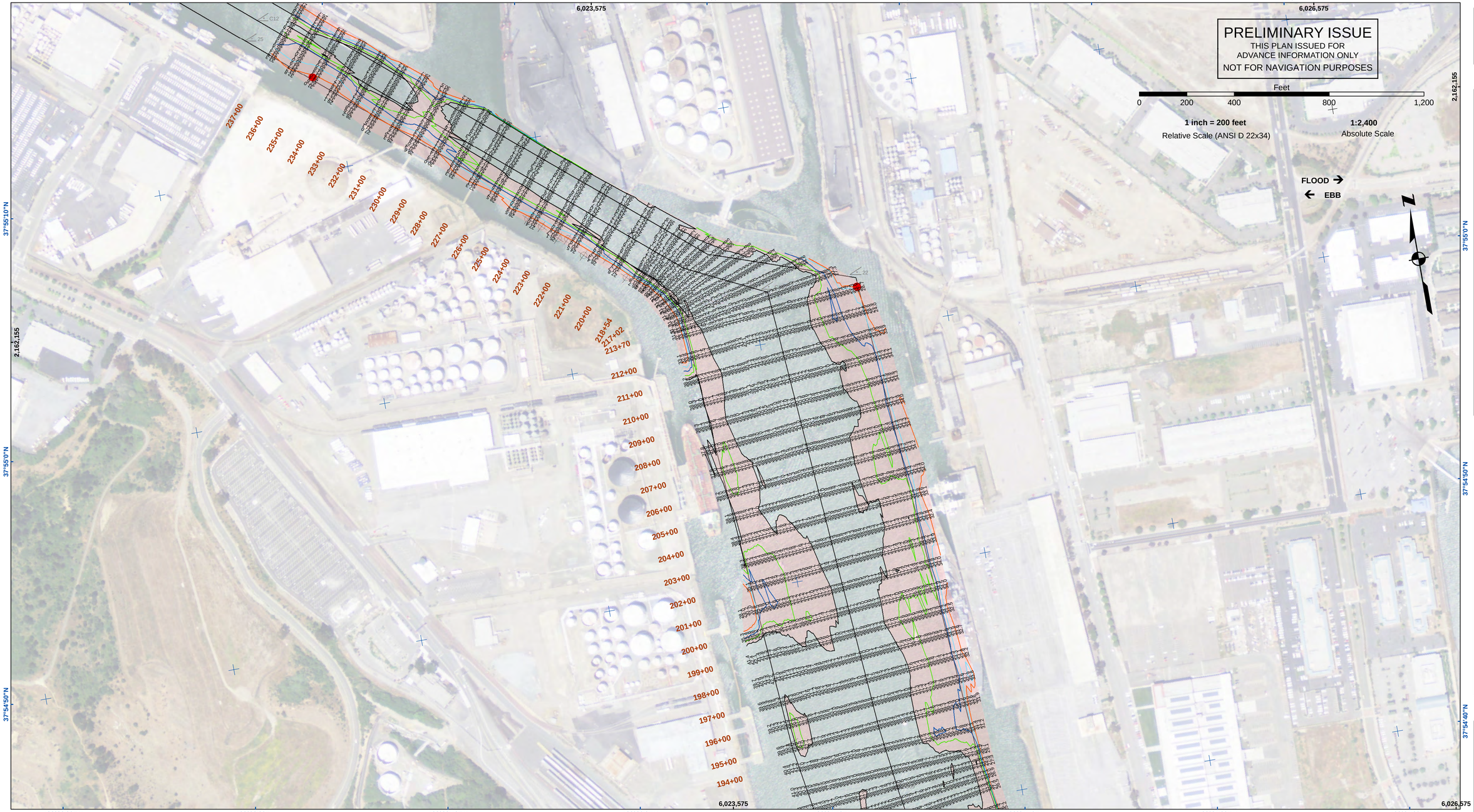

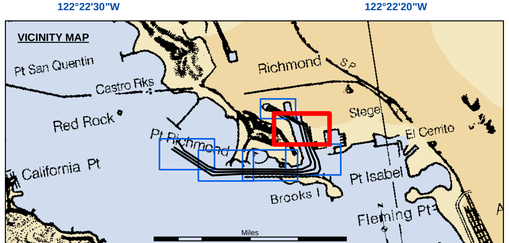

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