



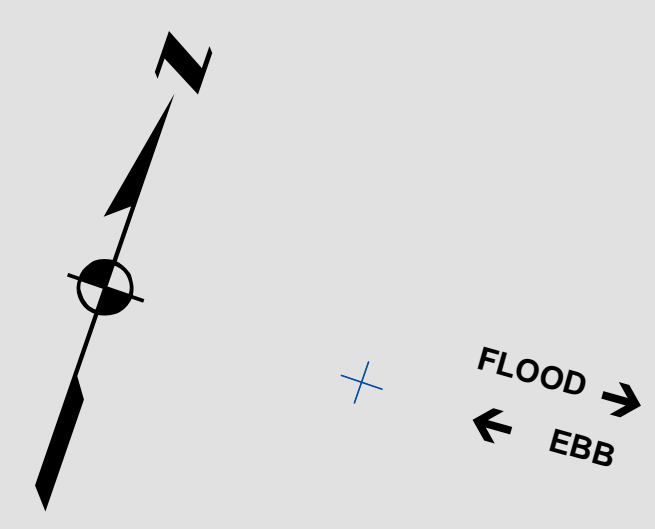
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Chart Date:	Feb 02, 2018
Designed by:	PDT
Plotted By:	PDT
Checked By:	PDT
Drawn by:	PDT

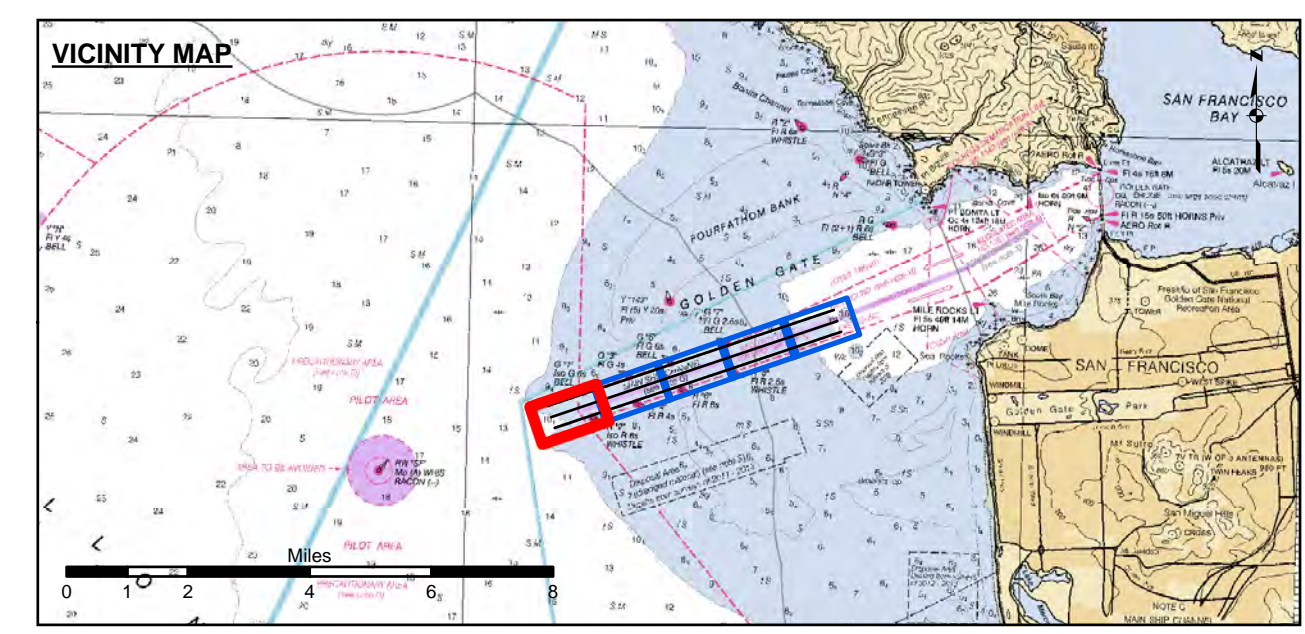
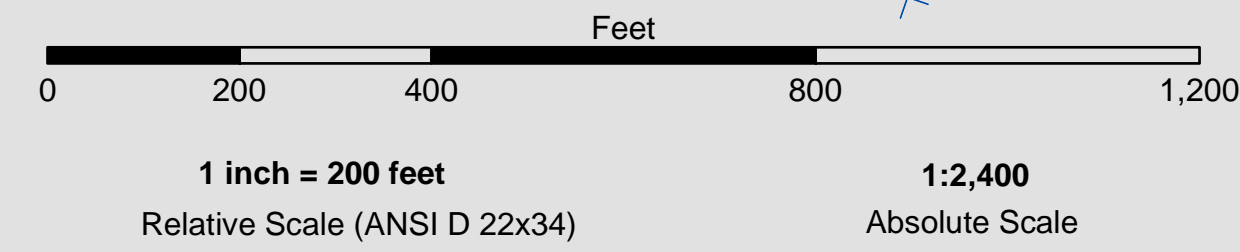
PREPARED UNDER THE DIRECTION OF
TRAVIS J. RAYFIELD
 LT. COLONEL, C.E., DISTRICT ENGINEER
 Subject: Hydro Survey Team Leader
 Recommended: Chief, Hydro Survey Section
 Approved: Chief, Construction Branch

SAN FRANCISCO BAY
SAN FRANCISCO
MAINSHIP CHANNEL
CONDITION SURVEY
 24 JANUARY 2018

Sheet Reference Number
1 of 5



PRELIMINARY ISSUE
 THIS PLAN ISSUED FOR
 ADVANCE INFORMATION ONLY



- | | | | | | |
|--|----------------------------|--|--------------------|--|---------------|
| | Federal Navigation Channel | | Beacon, General | | Contour Lines |
| | Shoaling Area | | Obstruction Point | | 51 |
| | Placement Area | | Navigation Buoy | | 52 |
| | Anchorage Area | | Navigation Buoy | | 53 |
| | Wreck Area | | Shoalest Sounding* | | 54 |
| | Submerged Wreck | | | | 55 |
| | Angle Point | | | | |

NOTES:
 HORIZONTAL COORDINATE SYSTEM:
 NORTH AMERICAN DATUM OF 1983 (NAD83), PROJECTED TO THE STATE PLANE COORDINATE SYSTEM (SPCS), CALIFORNIA ZONE III. DISTANCE UNITS IN U.S. SURVEY FEET.
 VERTICAL DATUM:
 SOUNDINGS ARE SHOWN IN FEET AND INDICATE DEPTHS BELOW MEAN LOWER LOW WATER.
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 *SHOALEST SOUNDING PER QUARTER PER REACH

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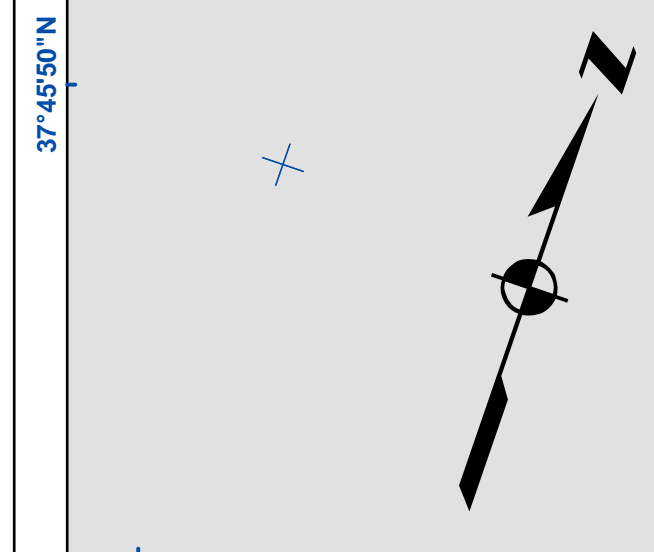
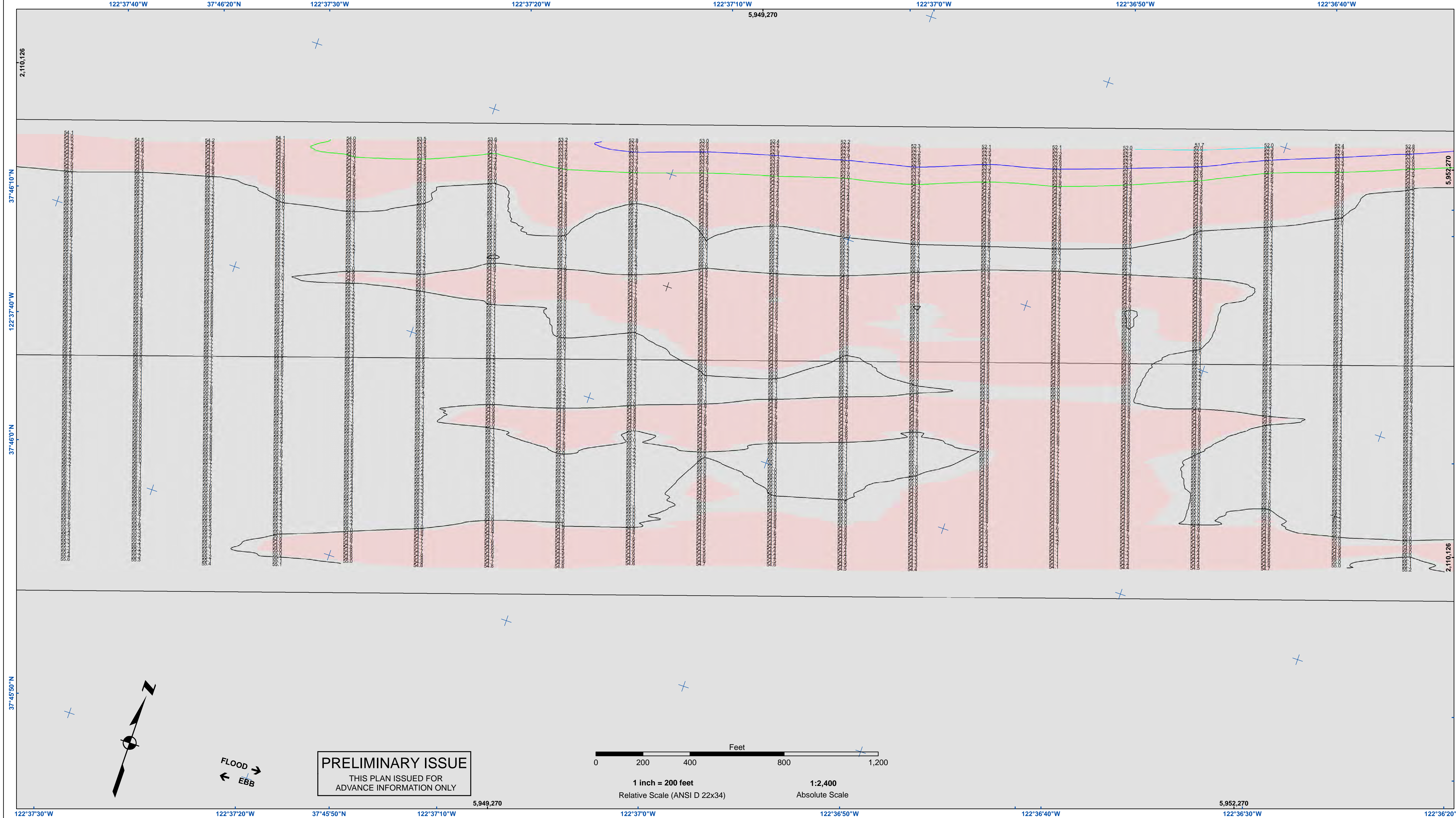
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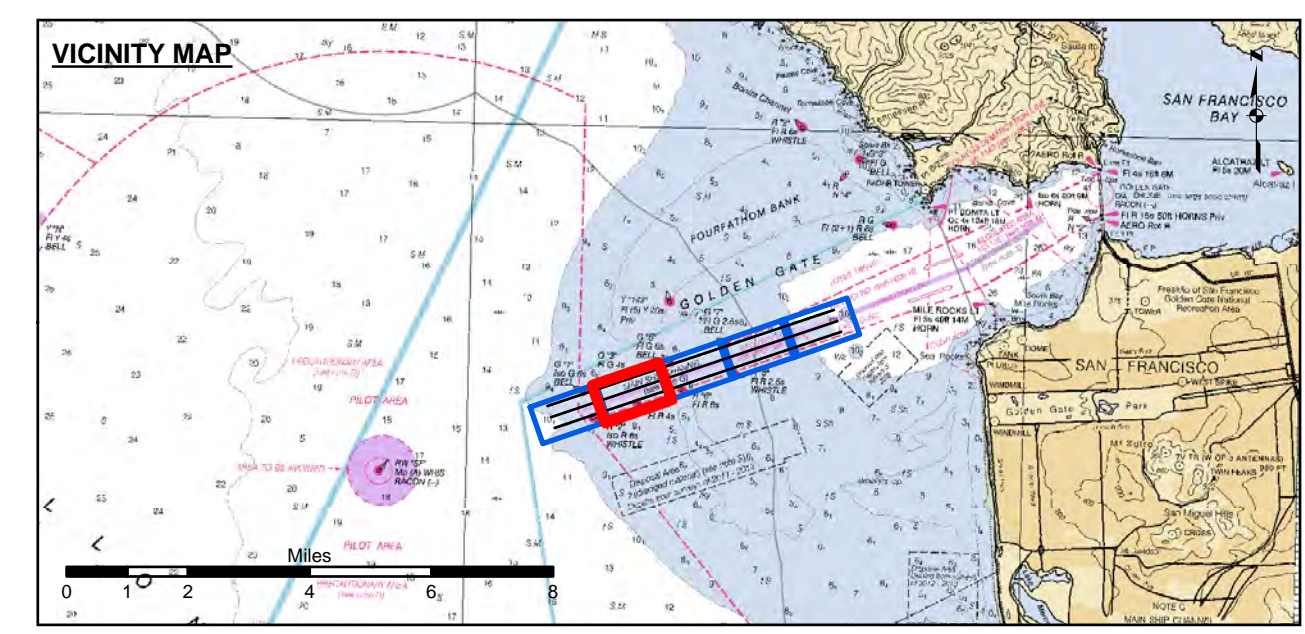
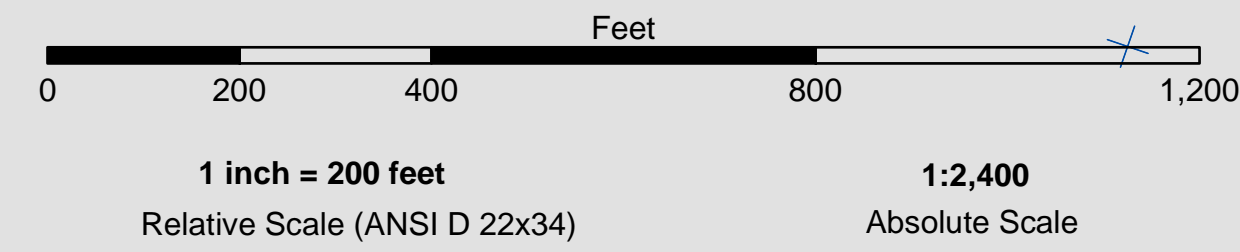
THE PROJECT DEPTH IS 55 FEET AT M.L.L.W. SOUNDINGS ARE BASED ON THE TIDE GAUGE LOCATED AT THE HYDE STREET PIER, SAN FRANCISCO, CALIFORNIA.

VERTICAL CONTROL:
 BENCHMARK "Q-481" USC&GS DISK ELEV. 19.54 FT MLLW.

HORIZONTAL CONTROL:
 COAST GUARD D-BEACON.



PRELIMINARY ISSUE
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- | | | | |
|----------------------------|--------------------|----------------------|----|
| Federal Navigation Channel | Beacon, General | Contour Lines | 51 |
| Shoaling Area | Obstruction Point | | 52 |
| Placement Area | Navigation Buoy | | 53 |
| Anchorage Area | Navigation Buoy | | 54 |
| Wreck Area | Shoalest Sounding* | | 55 |
| Submerged Wreck | | | |
| Angle Point | | | |

NOTES:
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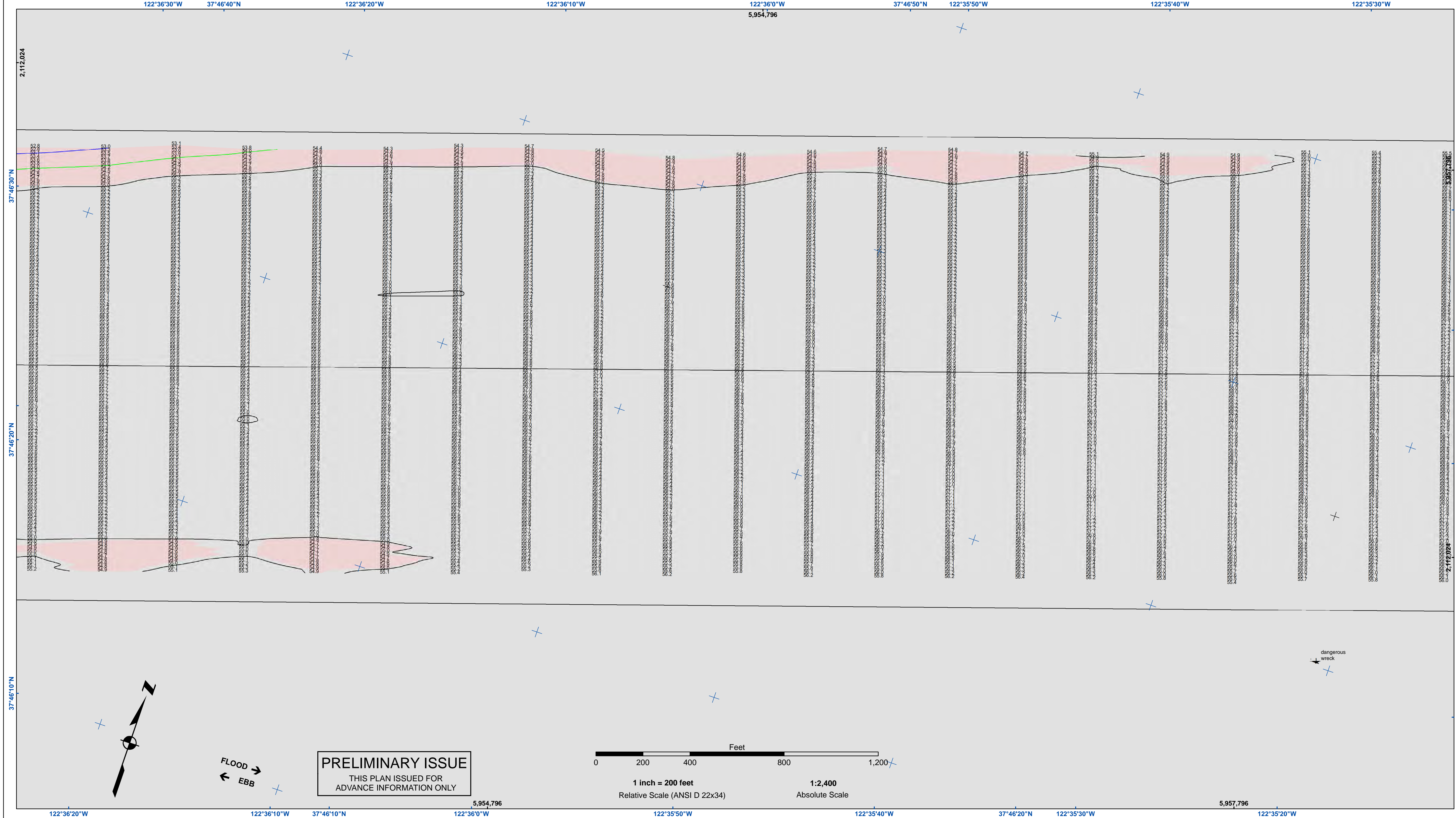
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HORIZONTAL CONTROL:
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Prepared Under the Direction of TRAVIS J. RAYFIELD LT. COLONEL, C.E., DISTRICT ENGINEER	Chart Date: Feb 02, 2018
Submitted: Hydro Survey Team Leader	Designed by: PDT
Recommended by: Chief, Hydro Survey Section	Drawn by: PDT
Approved: Chief, Construction Branch	

CALIFORNIA
SAN FRANCISCO BAY
SAN FRANCISCO MAINSHIP CHANNEL
CONDITION SURVEY
24 JANUARY 2018

Sheet Reference Number
2 of 5



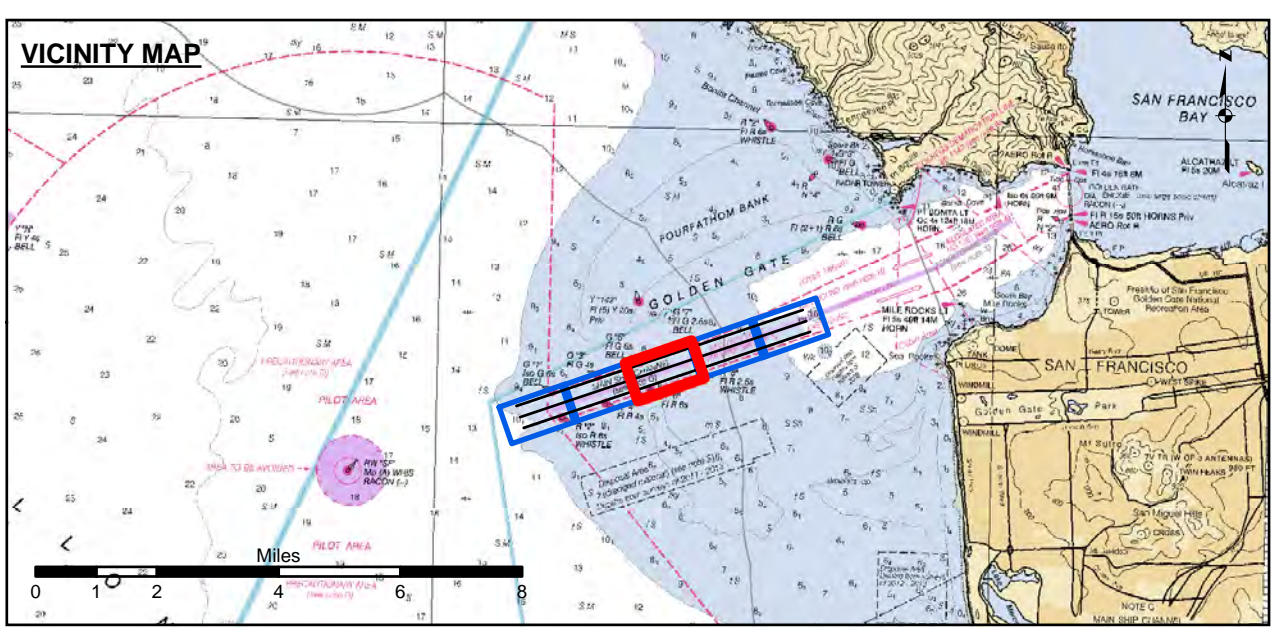
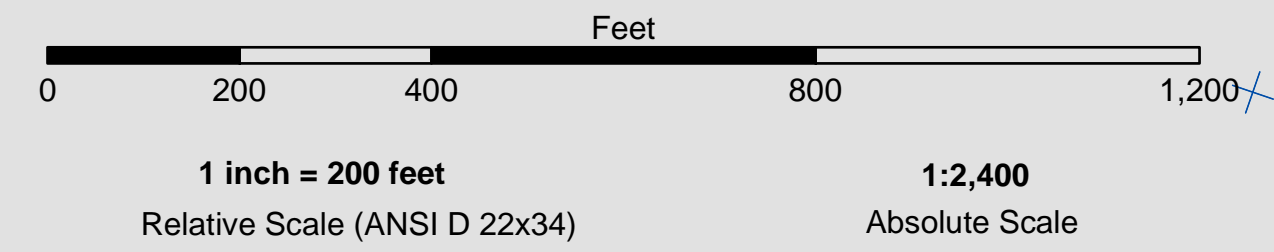
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Plotted by:	PDT
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SAN FRANCISCO BAY
SAN FRANCISCO
MAINSHIP CHANNEL
CONDITION SURVEY
 24 JANUARY 2018

Sheet Reference Number
3 of 5

PRELIMINARY ISSUE
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- | | | | | | |
|--|----------------------------|--|--------------------|--|----|
| | Federal Navigation Channel | | Beacon, General | | 51 |
| | Shoaling Area | | Obstruction Point | | 52 |
| | Placement Area | | Navigation Buoy | | 53 |
| | Anchorage Area | | Navigation Buoy | | 54 |
| | Wreck Area | | Shoalest Sounding* | | 55 |
| | Submerged Wreck | | | | |
| | Angle Point | | | | |

NOTES:
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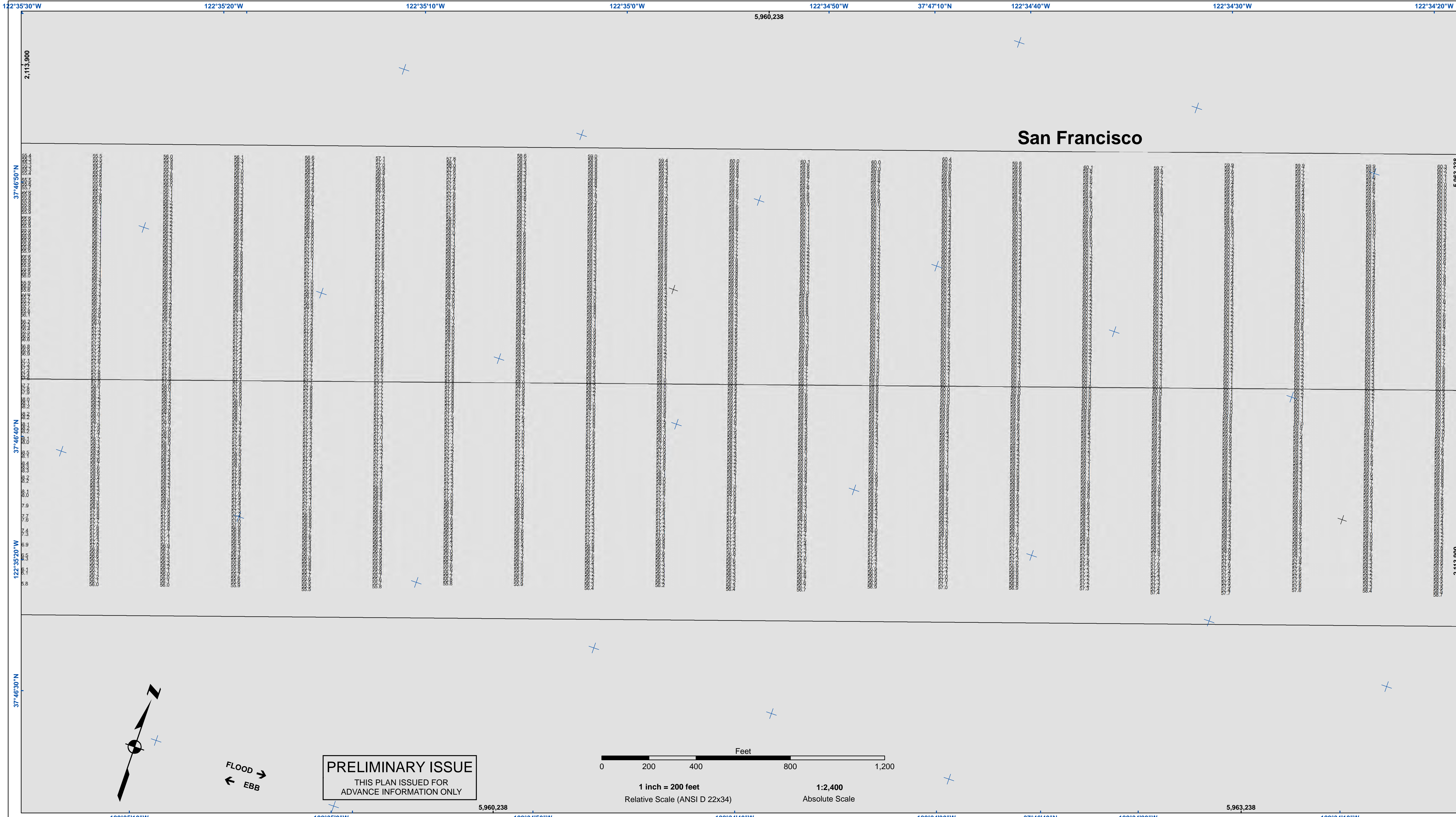
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VERTICAL CONTROL:
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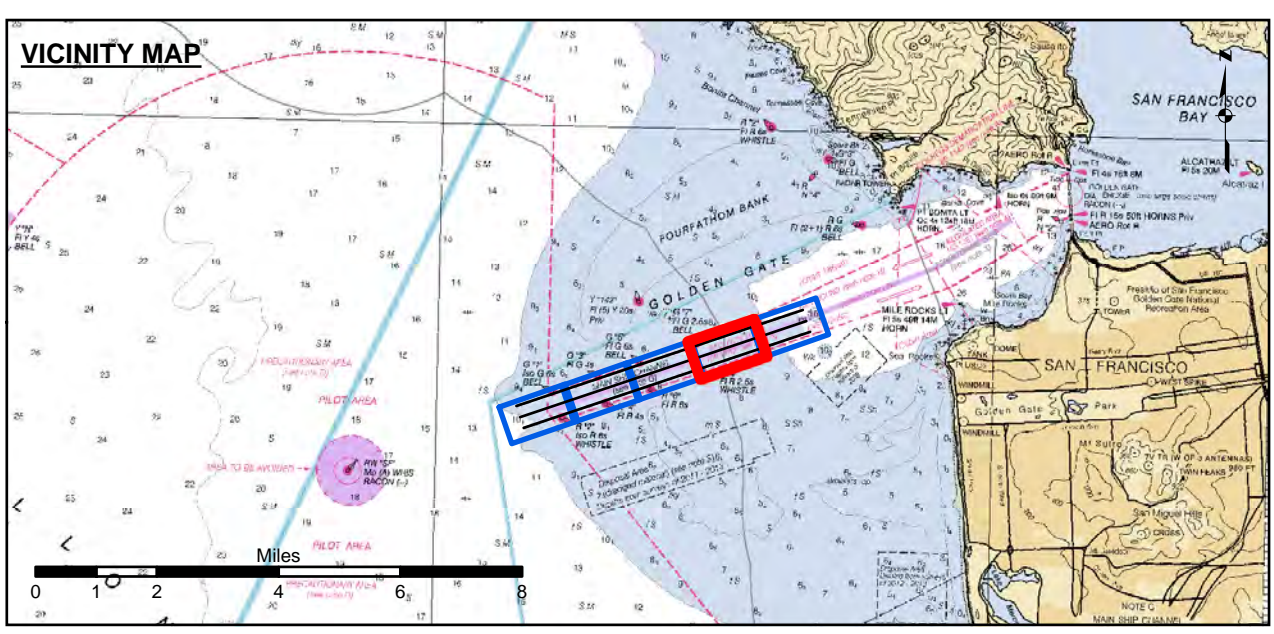
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Submitted by: Hydro Survey Team Leader	Designed by: PDT
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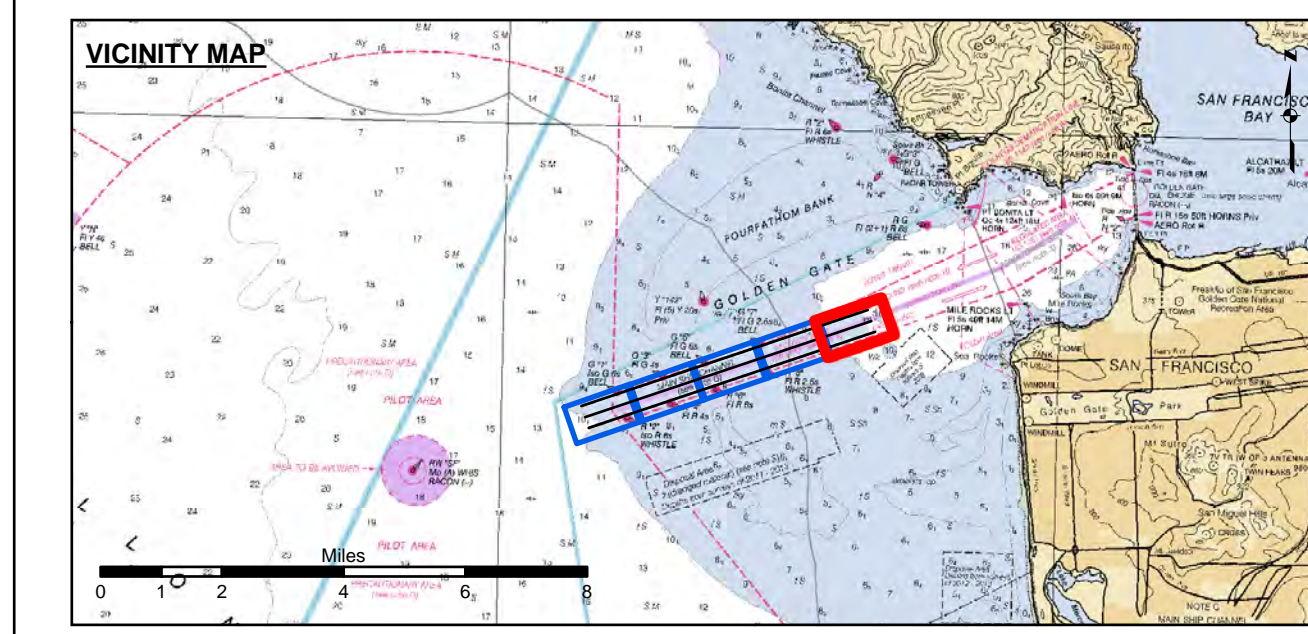
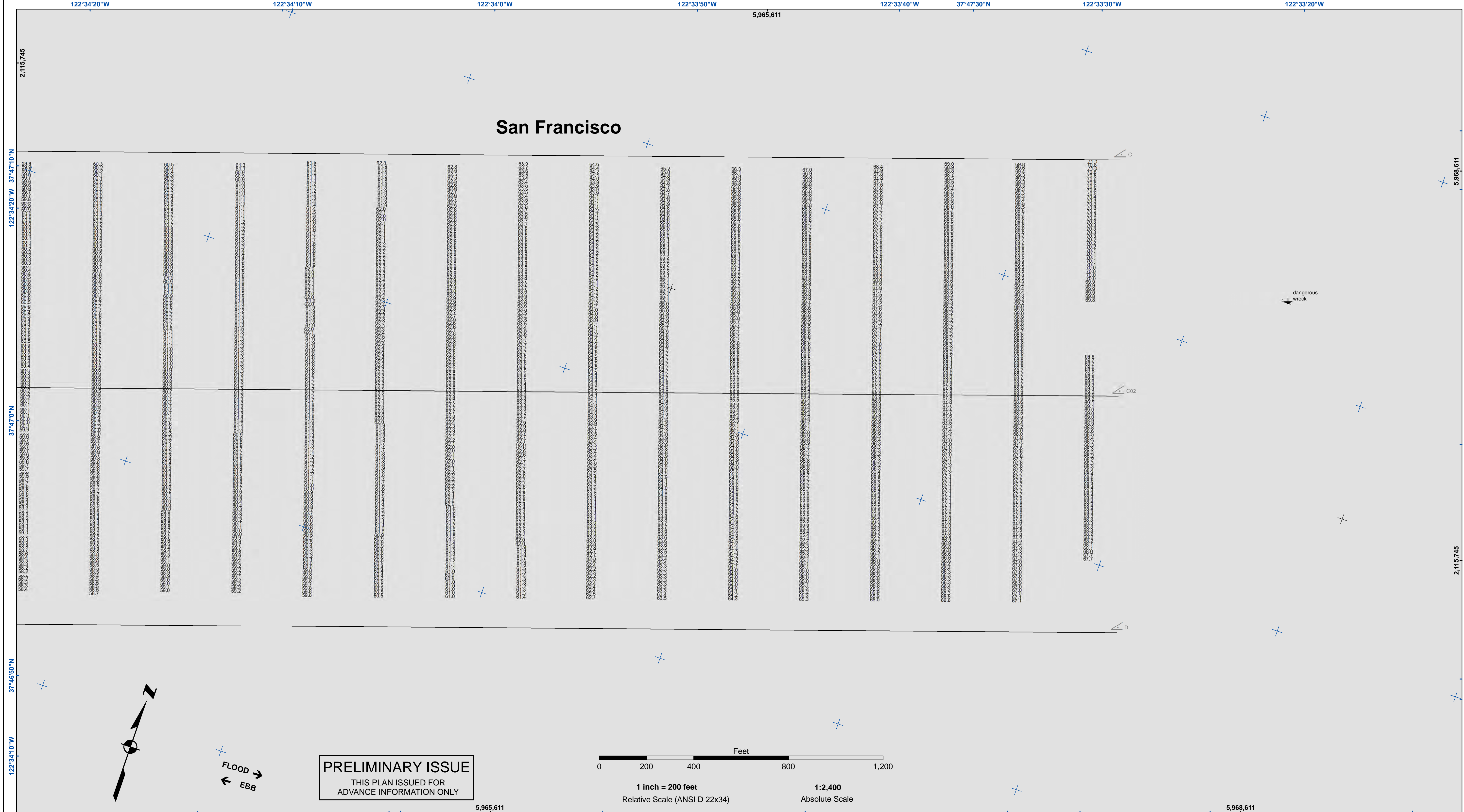
- | | | |
|----------------------------|--------------------|----------------------|
| Federal Navigation Channel | Beacon, General | Contour Lines |
| Shoaling Area | Obstruction Point | 51 |
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| Submerged Wreck | | 55 |
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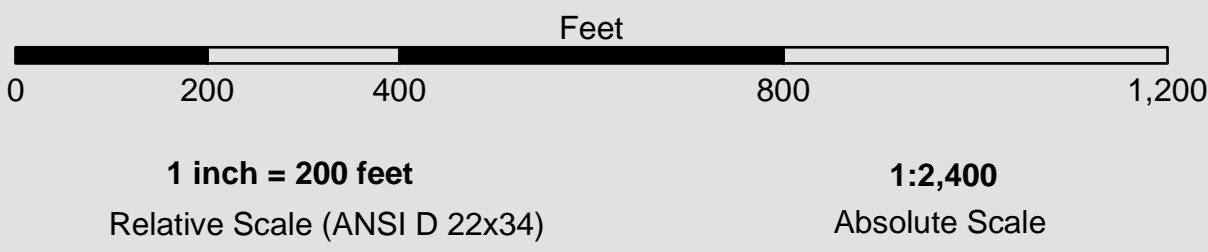
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 HORIZONTAL CONTROL:
 COAST GUARD D-BEACON.

CALIFORNIA
SAN FRANCISCO
MAINSHIP CHANNEL
 CONDITION SURVEY
 24 JANUARY 2018

Sheet Reference Number
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PRELIMINARY ISSUE
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	Federal Navigation Channel		Beacon, General		51
	Shoaling Area		Obstruction Point		52
	Placement Area		Navigation Buoy		53
	Anchorage Area		Navigation Buoy		54
	Wreck Area		Shoalest Sounding*		55
	Submerged Wreck				
	Angle Point				

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