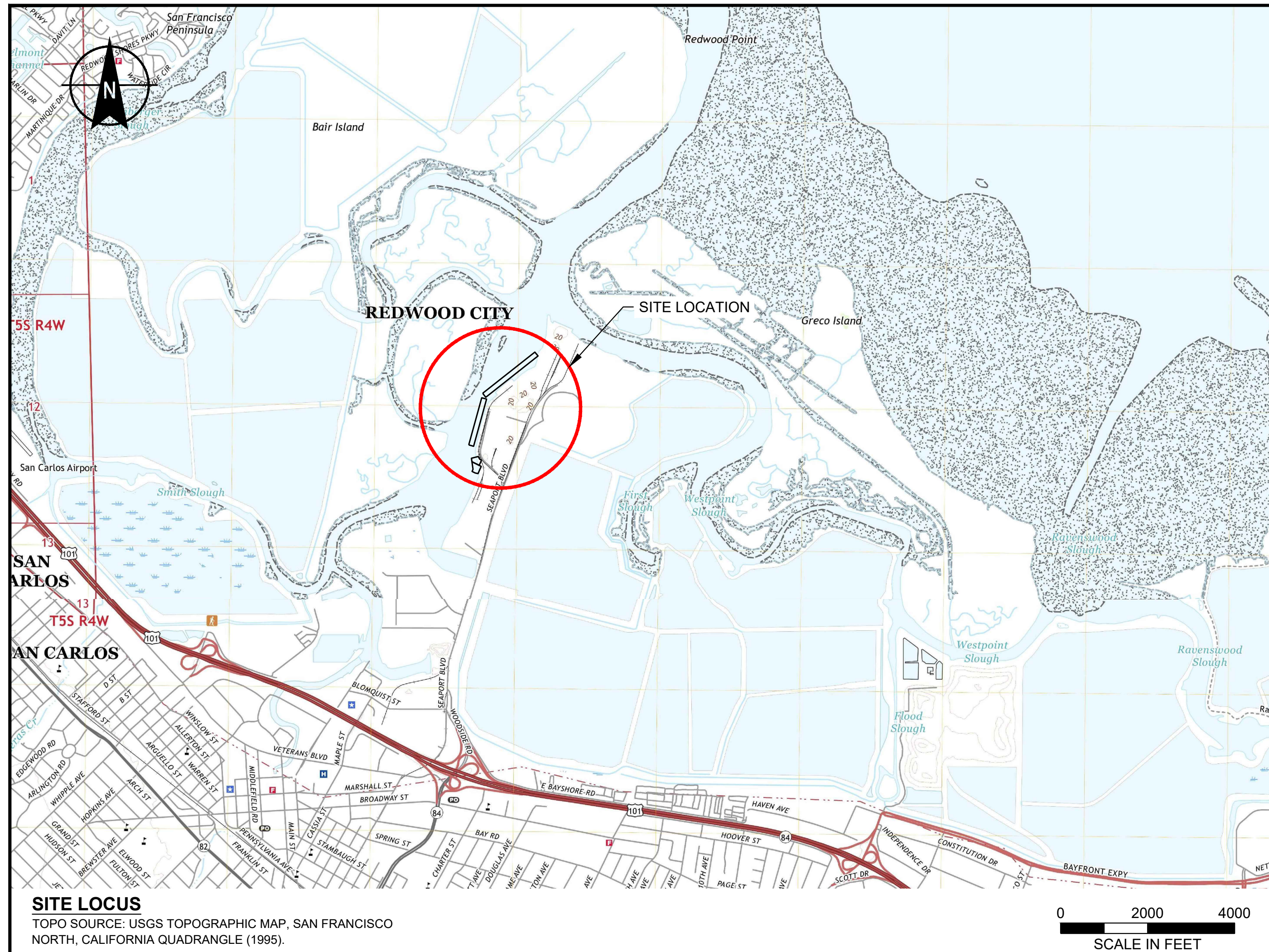




# PORT OF REDWOOD CITY MAINTENANCE DREDGING 2024 PROJECT

## REDWOOD CITY, CA



Project No.:	0200728
Scale:	AS SHOWN
Date:	31-JULY-2024
Drawn By:	IL
Designed By:	IL
Checked By:	KC
Approved By:	MA
Stamp:	



**SITE AERIAL**  
MAP SOURCE: 2018 MICROSOFT CORPORATION © DIGITAL GLOBE © CNES DISTRIBUTION AIRBUS DS

### DRAWING INDEX

SHEET NO.	SHEET TITLE	DESCRIPTION
1	G-100	TITLE SHEET AND DRAWING INDEX
2	C-100	EXISTING CONDITIONS
3	C-101	DREDGE PLAN, WHARVES 1 AND 2
4	C-102	DREDGE PLAN, WHARVES 3 AND 4
5	C-103	DREDGE PLAN, MAMF AND BOATYARD APPROACH AREA
6	C-200	DREDGE PROFILES, WHARVES 1 AND 2
7	C-201	DREDGE PROFILES, WHARVES 3 AND 4
8	C-202	DREDGE PROFILES, MAMF AND BOATYARD APPROACH AREA

**GENERAL NOTES:**

- ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH THE CONDITIONS OF THE PERMITS ISSUED BY REGULATORY AGENCIES (BCDC, RWQCB, U.S. ARMY C.O.E., CDFW).
- ALL WORK SHOWN ON THESE PLANS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE GOVERNING STANDARDS AND CODES OF REDWOOD CITY AND SAN MATEO COUNTY, THE CALTRANS 2023 STANDARD PLANS, AND THE 2023 CALTRANS CALIFORNIA STATE STANDARD SPECIFICATIONS, INSOFAR AS THEY MAY APPLY.
- THE CONTRACTOR'S MEANS AND METHODS MUST BE COMPLIANT WITH FEDERAL AND CAL OSHA REGULATIONS AND GUIDANCE PERTAINING TO THE SCOPE OF WORK.
- THE PERMIT FOR THIS 2024 DREDGING PROJECT HAS NOT YET BEEN OBTAINED. SEDIMENTS DREDGED FROM THE PROJECT AREA WILL BE PLACED AT SOME COMBINATION OF THE ALCATRAZ DISPOSAL SITE (SF-11) (NO MORE THAN 20%), THE SAN FRANCISCO DEEP OCEAN DISPOSAL SITE (SF-DODS) (NO MORE THAN 40%), THE GULLINAN RANCH RESTORATION PROJECT (CRRP) (AT LEAST 40% AND UP TO 100%), OR MONTEZUMA WETLANDS RESTORATION PROJECT (MWRP) (AT LEAST 40% AND UP TO 100%).
- BATHYMETRIC SURVEY DATA SOURCE INFORMATION, VERTICAL AND HORIZONTAL CONTROL & DATUMS, AND COORDINATE SYSTEM INFORMATION IS PROVIDED ON C-100.

C	ISSUE FOR BID	IL	9/4/2024
B	DRAFT DESIGN	IL	8/21/24
A	DRAFT DESIGN	IL	8/12/24
Rev.	Description	By	Date

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TITLE SHEET AND  
DRAWING INDEX

# G-100

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PORT OF REDWOOD CITY  
MAINTENANCE DREDGING  
2024 PROJECT  
  
PORT OF REDWOOD CITY  
REDWOOD CITY, CA

EXISTING  
CONDITIONS

**C-100**

Sheet: 2 of 8

**LEGEND**

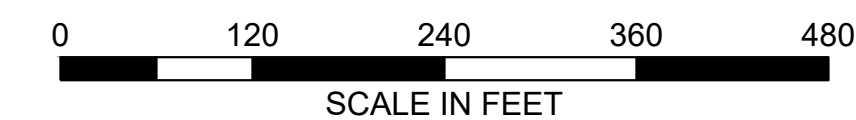
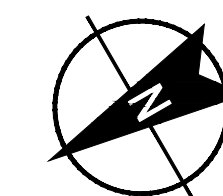
- DREDGING BOUNDARY
- 5' EXISTING BATHYMETRY CONTOUR
- 1' EXISTING BATHYMETRY CONTOUR

**NOTES**

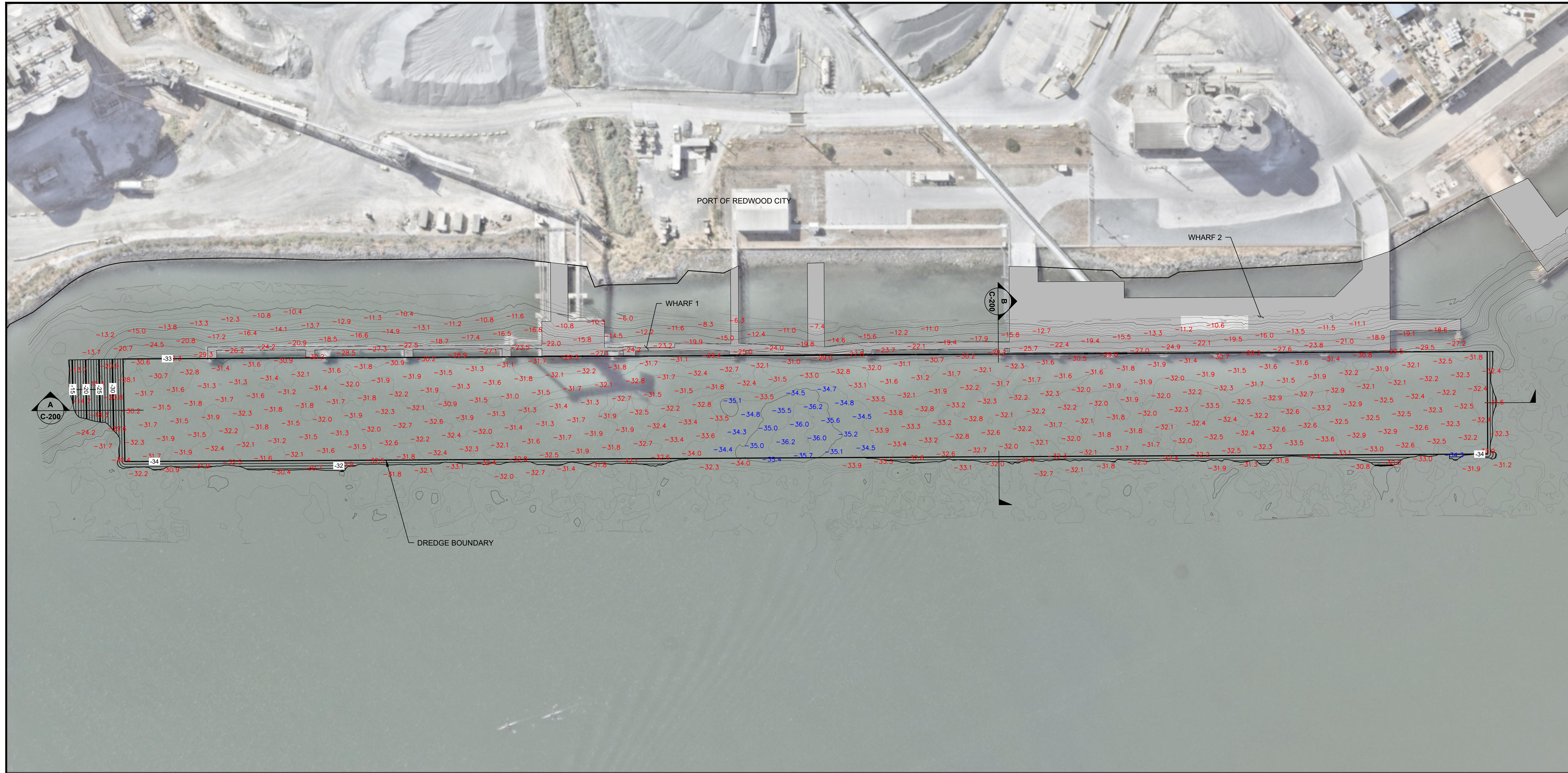
1. FOR GENERAL NOTES SEE SHEET G-100.

**SURVEY NOTES:**

1. SURVEY DATA FOR WHARVES COLLECTED BY ETRAC INC. ON MAY 30, 2024.
2. SURVEY DATA FOR MULTI-AGENCY MARITIME FACILITY AND BOATYARD APPROACH AREA COLLECTED BY ETRAC INC. ON MAY 20, 2021.
3. HORIZONTAL DATUM/PROJECTION: NAD83 (2011), SPCS CALIFORNIA ZONE 03 - U.S. SURVEY FEET.
4. HORIZONTAL CONTROL: ETRAC REFERENCE STATION NETWORK: WESTAR 37°46'27.45010"N 122°22'56.65973"W.
5. VERTICAL DATUM: MLLW, U.S. SURVEY FEET.
6. VERTICAL CONTROL: RAZ6, ELEVATION 11.46'.
7. THIS SURVEY REPRESENTS GENERAL CONDITIONS AT THE TIME OF THE SURVEY.
8. POSITIONING AND MOTION DATA WAS COLLECTED USING AN APPLANIX POS MV V5.
9. SOUNDINGS WERE COLLECTED USING AN R2SONIC 2022 OPERATING AT 200 KHZ.



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Stamp:

**LEGEND**

- DREDGING BOUNDARY
- 5' DREDGE CONTOUR
- 1' DREDGE CONTOUR
- 5' EXISTING BATHYMETRY CONTOUR
- 1' EXISTING BATHYMETRY CONTOUR

**NOTES**

1. DREDGE VOLUMES IN TABLE FOR WHARVES ASSUME 0.5-FEET OF SHOALING WILL OCCUR BETWEEN THE BATHYMETRY SURVEY CONDUCTED MAY 30, 2024 AND THE TIME OF THE FUTURE PRE-DREDGING SURVEY. DREDGE VOLUMES IN THE TABLE FOR MULTI-AGENCY FACILITY AND BOATYARD APPROACH AREA ASSUME 1-FOOT OF SHOALING BETWEEN THE BATHYMETRY SURVEY THAT WAS CONDUCTED MAY 20, 2021 AND THE TIME OF THE PRE-DREDGING SURVEY.
2. FOR GENERAL NOTES SEE SHEET G-100.

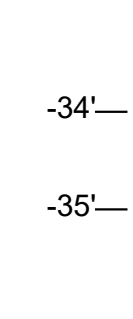
**DREDGE QUANTITIES SUMMARY**

AREA	DREDGE ELEVATION (MLLW)	SQUARE FOOTAGE (SF)	VOLUME <sup>1</sup> (CUBIC YARDS)	OVERDREDGE ELEVATION (MLLW)	OVERDREDGE VOLUME (CUBIC YARDS)	TOTAL VOLUME (CUBIC YARDS)
WHARVES 1 & 2	-34'	184,297	15,455	-35'	6,516	21,971
WHARVES 3 & 4	-34'	134,430	7,460	-35'	4,800	12,260
MULTI-AGENCY MARITIME FACILITY	-8'	17,808	2,803	-9'	1,051	3,854
BOATYARD APPROACH AREA	-20'	31,014	8,445	-21'	1,294	9,739
<b>TOTAL</b>		<b>367,549</b>	<b>34,163</b>		<b>13,661</b>	<b>47,824</b>

**SOUNDINGS LEGEND**

DREDGE ELEVATION -34' (MLLW)

COLOR DEPTH  
RED ABOVE -34.0'  
BLUE -34.0' AND BELOW



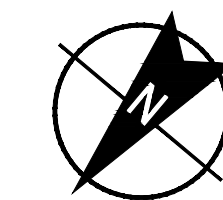
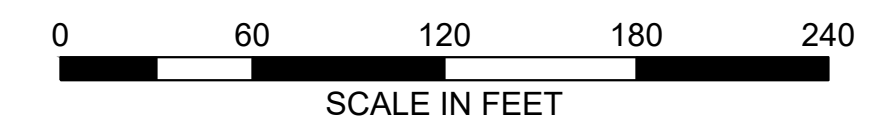
Rev.	Description	By	Date
C	ISSUE FOR BID	IL	9/4/2024
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PORT OF REDWOOD CITY  
MAINTENANCE DREDGING  
2024 PROJECT  
  
PORT OF REDWOOD CITY  
REDWOOD CITY, CA

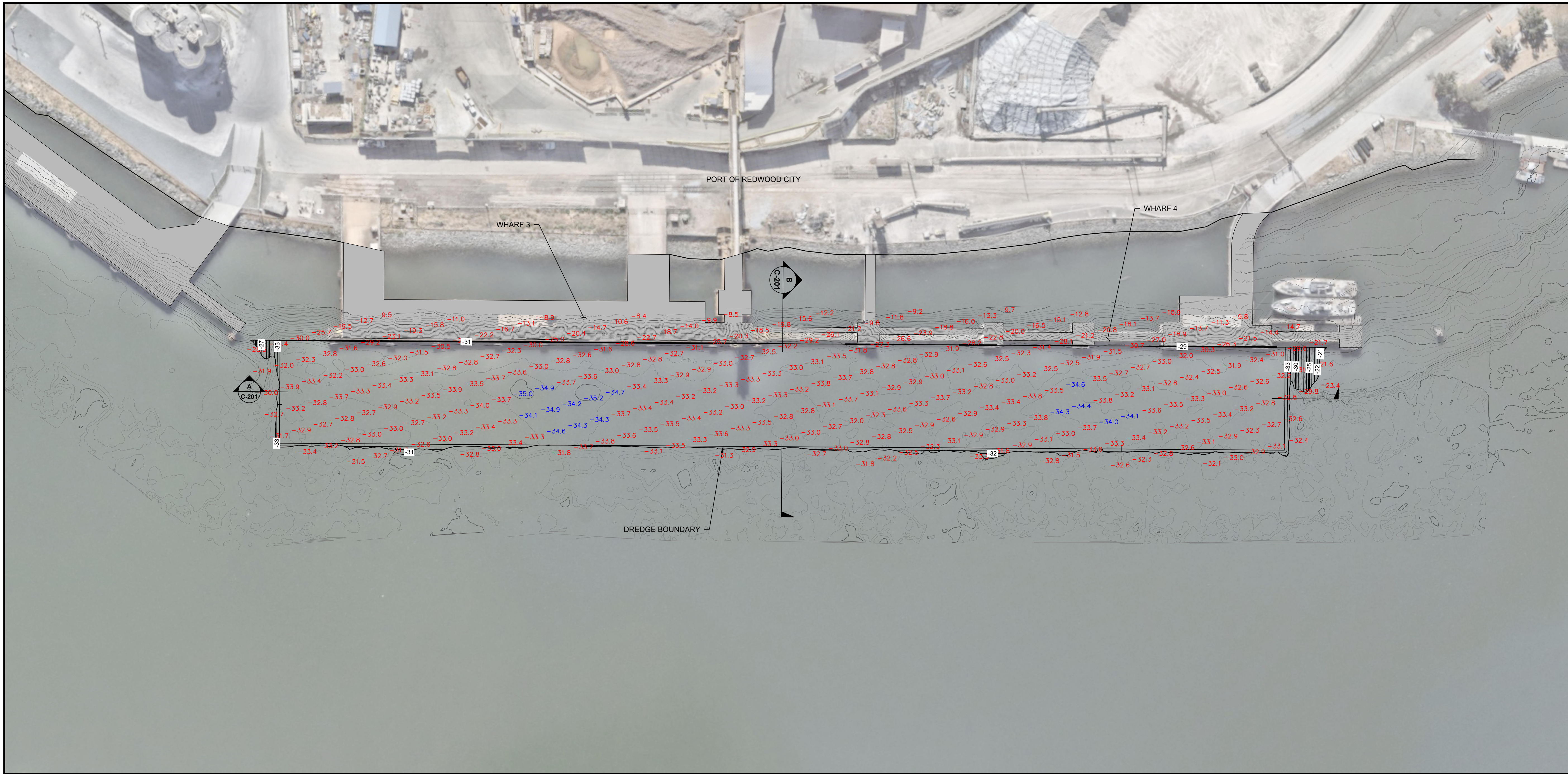
**DREDGE PLAN,  
WHARVES 1 AND 2**

**C-101**

Sheet: 3 of 8



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Project No.:	0200728
Scale:	AS SHOWN
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Drawn By:	IL
Designed By:	IL
Checked By:	KC
Approved By:	MA
Stamp:	

**LEGEND**

- DREDGING BOUNDARY
- 5' DREDGE CONTOUR
- 1' DREDGE CONTOUR
- 5' EXISTING BATHYMETRY CONTOUR
- 1' EXISTING BATHYMETRY CONTOUR

**NOTES**

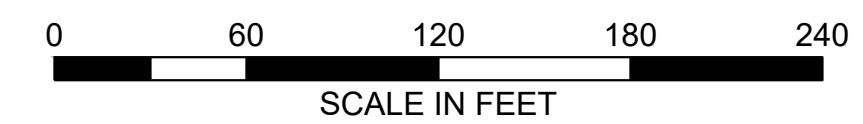
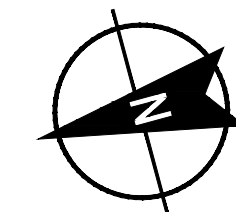
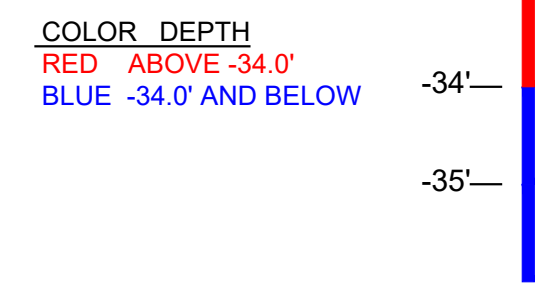
- DREDGE VOLUMES IN TABLE FOR WHARVES ASSUME 0.5-FOOT OF SHOALING WILL OCCUR BETWEEN THE BATHYMETRY SURVEY CONDUCTED MAY 30, 2024 AND THE TIME OF THE FUTURE PRE-DREDGING SURVEY. DREDGE VOLUMES IN THE TABLE FOR MULTI-AGENCY FACILITY AND BOATYARD APPROACH AREA ASSUME 1-FOOT OF SHOALING BETWEEN THE BATHYMETRY SURVEY THAT WAS CONDUCTED MAY 20, 2021 AND THE TIME OF THE PRE-DREDGING SURVEY.
- FOR GENERAL NOTES SEE SHEET G-100.

**DREDGE QUANTITIES SUMMARY**

AREA	DREDGE ELEVATION (MLLW)	SQUARE FOOTAGE (SF)	VOLUME <sup>1</sup> (CUBIC YARDS)	OVERDREDGE ELEVATION (MLLW)	OVERDREDGE VOLUME (CUBIC YARDS)	TOTAL VOLUME (CUBIC YARDS)
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<b>TOTAL</b>		<b>367,549</b>	<b>34,163</b>		<b>13,661</b>	<b>47,824</b>

**SOUNDINGS LEGEND**

DREDGE ELEVATION -34' (MLLW)



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MAINTENANCE DREDGING  
2024 PROJECT  
  
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REDWOOD CITY, CA

**DREDGE PLAN,  
WHARVES 3 AND 4**

**C-102**

Sheet: 4 of 8

PREPARED FOR:



Project No.:	0200728
Scale:	AS SHOWN
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Drawn By:	IL
Designed By:	IL
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Approved By:	MA
Stamp:	

**LEGEND**

- DREDGING BOUNDARY
- 5' DREDGE CONTOUR
- 1' DREDGE CONTOUR
- 5' EXISTING BATHYMETRY CONTOUR
- 1' EXISTING BATHYMETRY CONTOUR

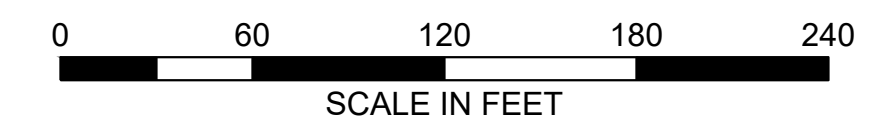
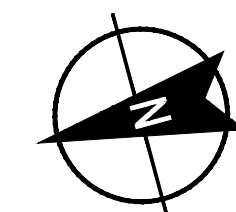
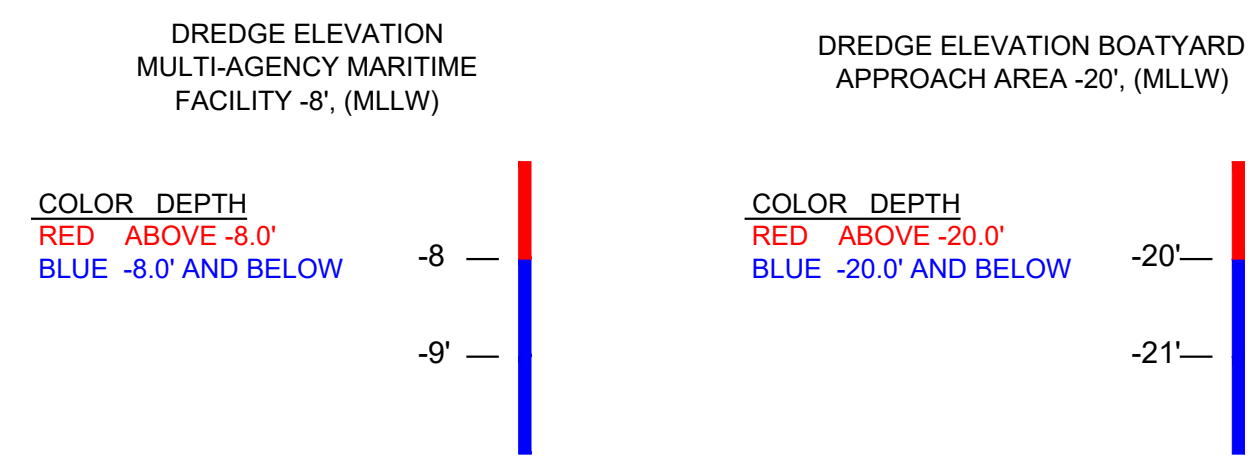
**NOTES**

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- FOR GENERAL NOTES SEE SHEET G-100.

**DREDGE QUANTITIES SUMMARY**

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<b>TOTAL</b>		<b>367,549</b>	<b>34,163</b>		<b>13,661</b>	<b>47,824</b>

**SOUNDINGS LEGEND**



C	ISSUE FOR BID	IL	9/4/2024
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A	DRAFT DESIGN	IL	8/12/24
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2024 PROJECT

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REDWOOD CITY, CA

**DREDGE PLAN,  
MAMF AND  
BOATYARD  
APPROACH AREA**

**C-103**

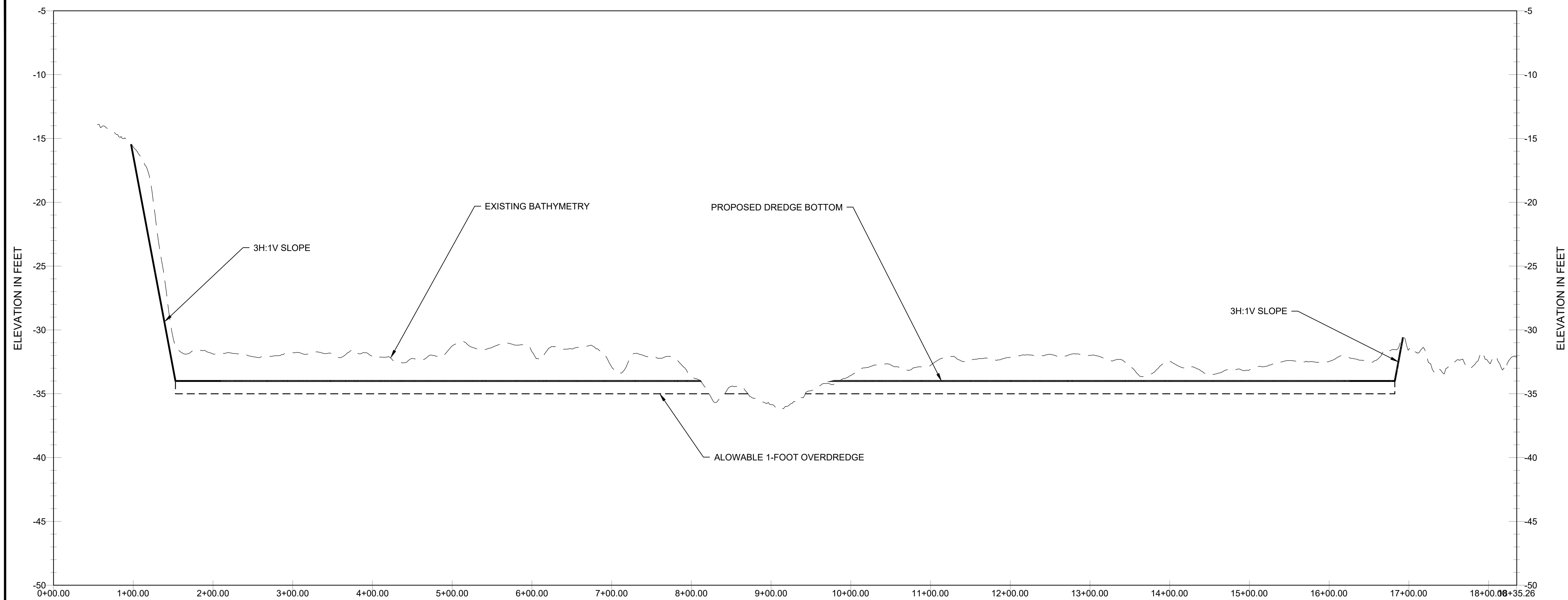
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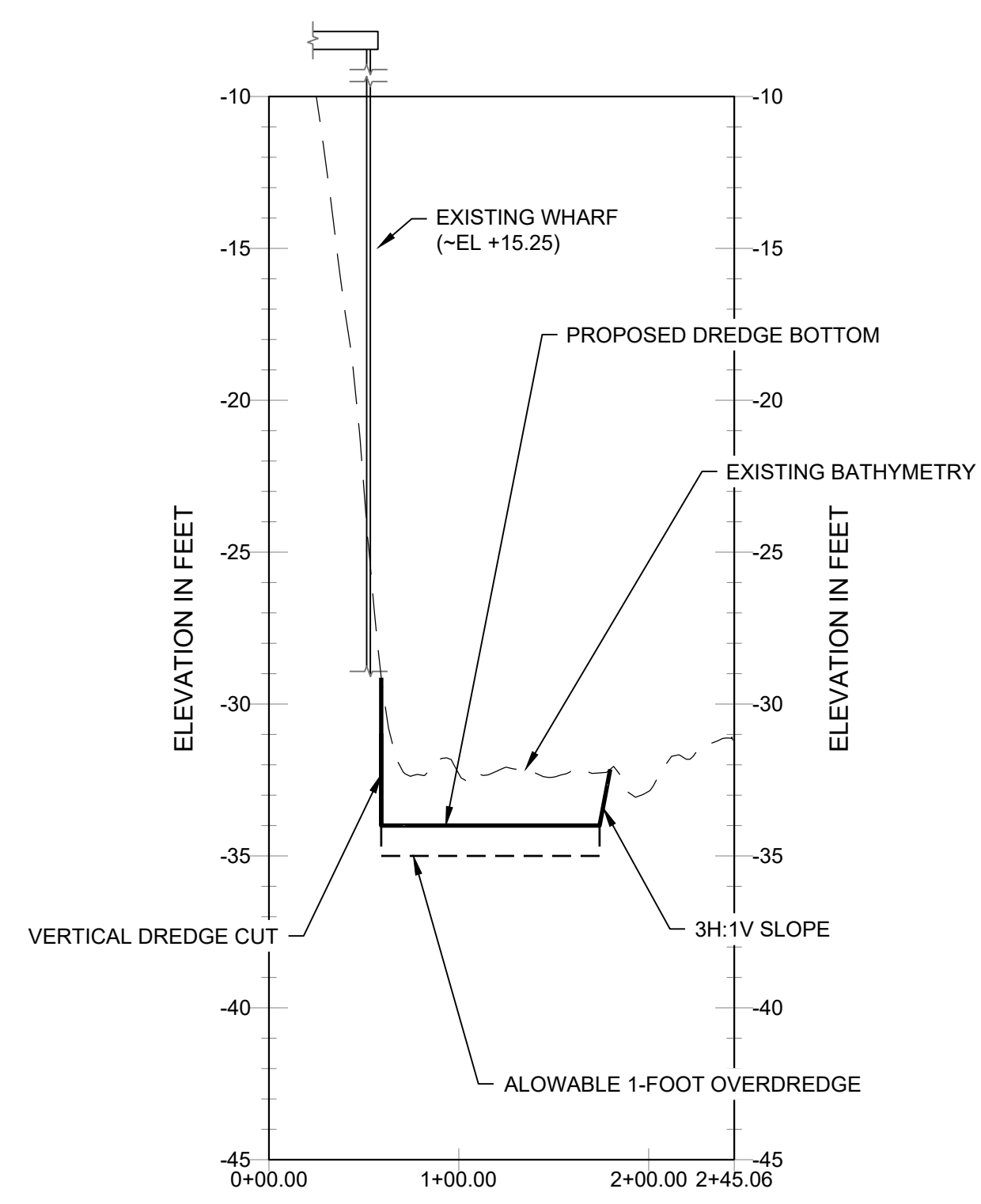


- LEGEND**
- — — EXISTING BATHYMETRY
  - — — PROPOSED DREDGING BOTTOM
  - - - - ALLOWABLE 1- FOOT OVERDREDGE

- NOTES**
1. FOR GENERAL NOTES SEE SHEET G-100.



**A DREDGING PROFILE WHARVES 1 AND 2**



**B DREDGING PROFILE WHARVES 1 AND 2**

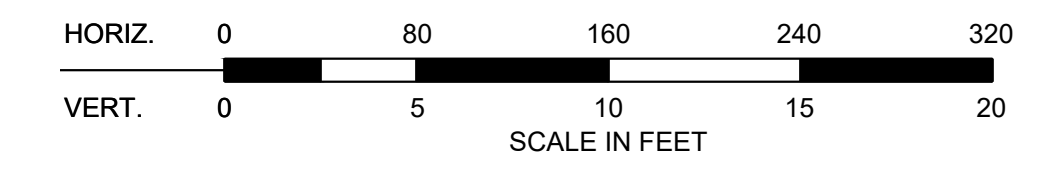
Project No.:	0200728
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PORT OF REDWOOD CITY  
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**DREDGE  
PROFILES,  
WHARVES 1 AND 2**

**C-200**



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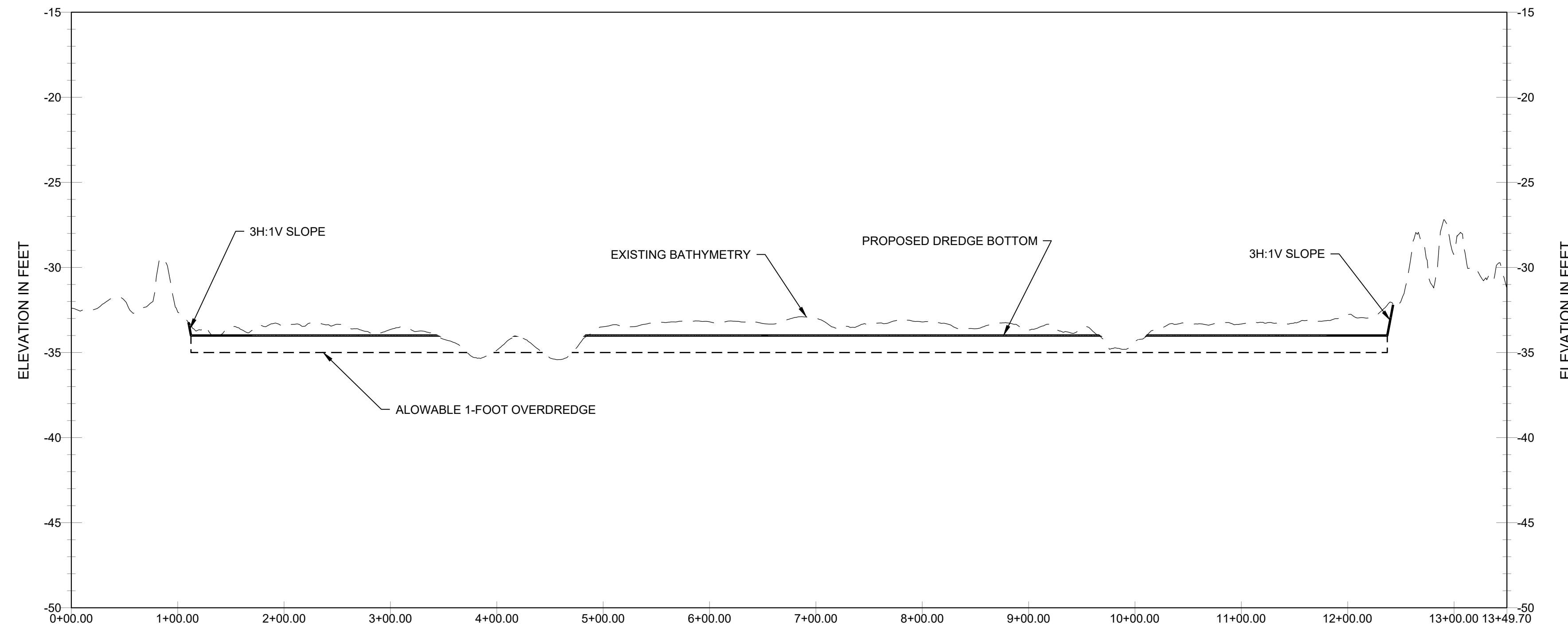


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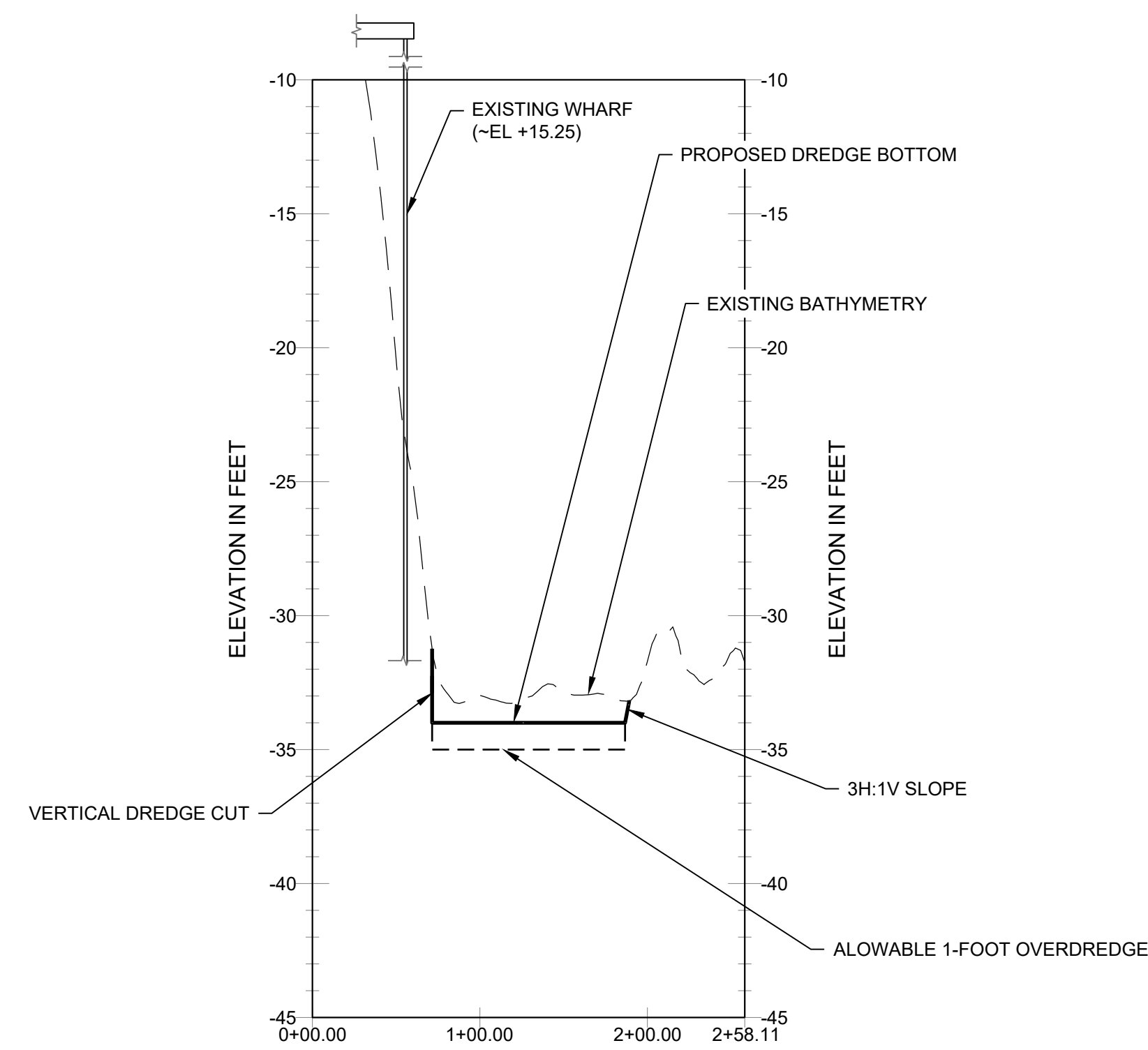
- — — EXISTING BATHYMETRY
- — — PROPOSED DREDGING BOTTOM
- - - - ALLOWABLE 1- FOOT OVERDREDGE

**NOTES**

1. FOR GENERAL NOTES SEE SHEET G-100.



**A** DREDGING PROFILE WHARVES 3 AND 4



**B** DREDGING PROFILE WHARVES 3 AND 4

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Designed By:	IL
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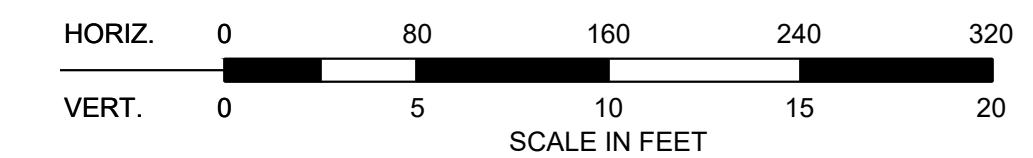
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PORT OF REDWOOD CITY  
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REDWOOD CITY, CA

DREDGE  
PROFILES,  
WHARVES 3 AND 4

**C-201**

Sheet: 7 of 8



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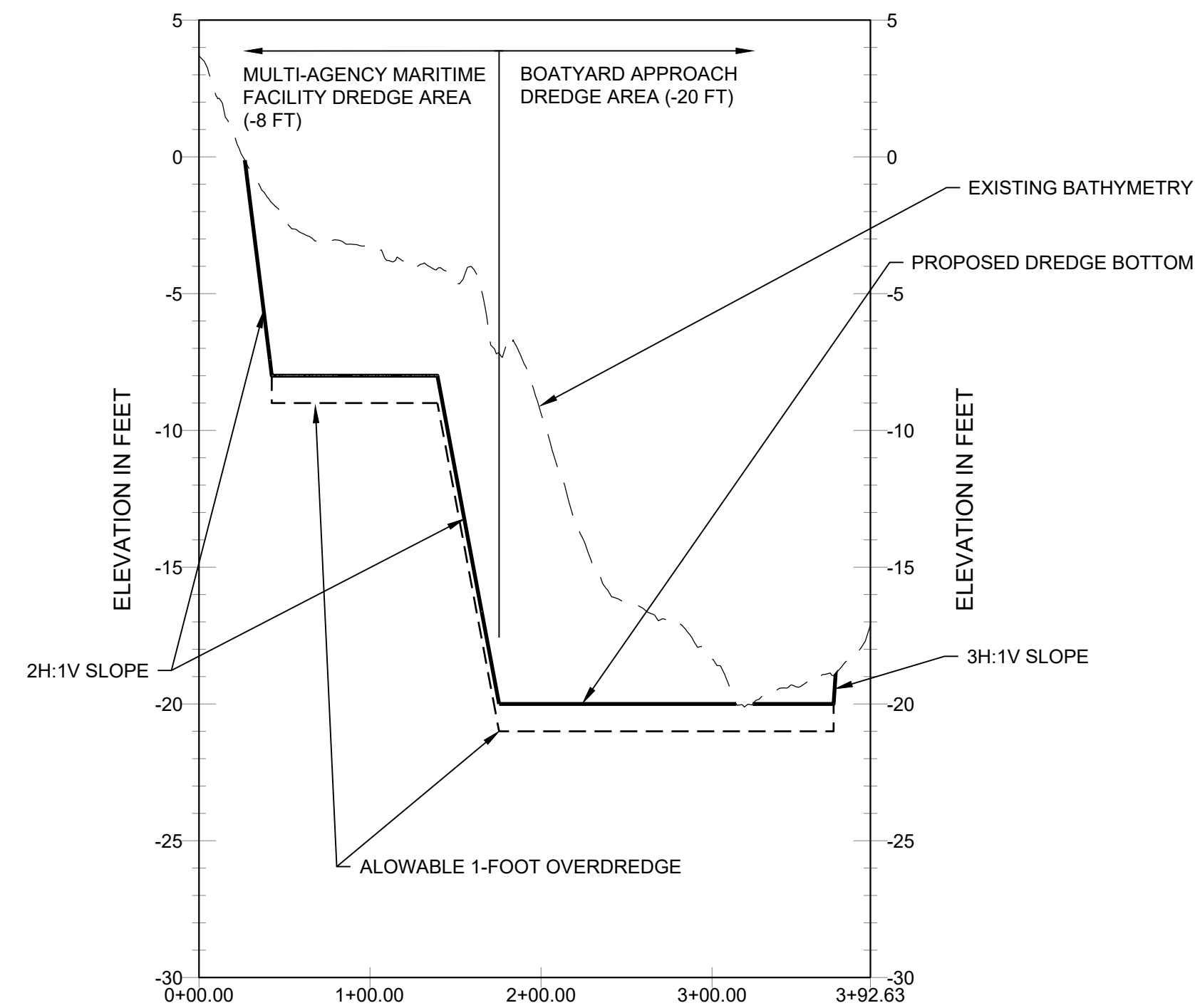


**LEGEND**

- — — EXISTING BATHYMETRY
- — — PROPOSED DREDGE BOTTOM
- - - - ALLOWABLE 1- FOOT OVERDREDGE

**NOTES**

1. FOR GENERAL NOTES SEE SHEET G-100.



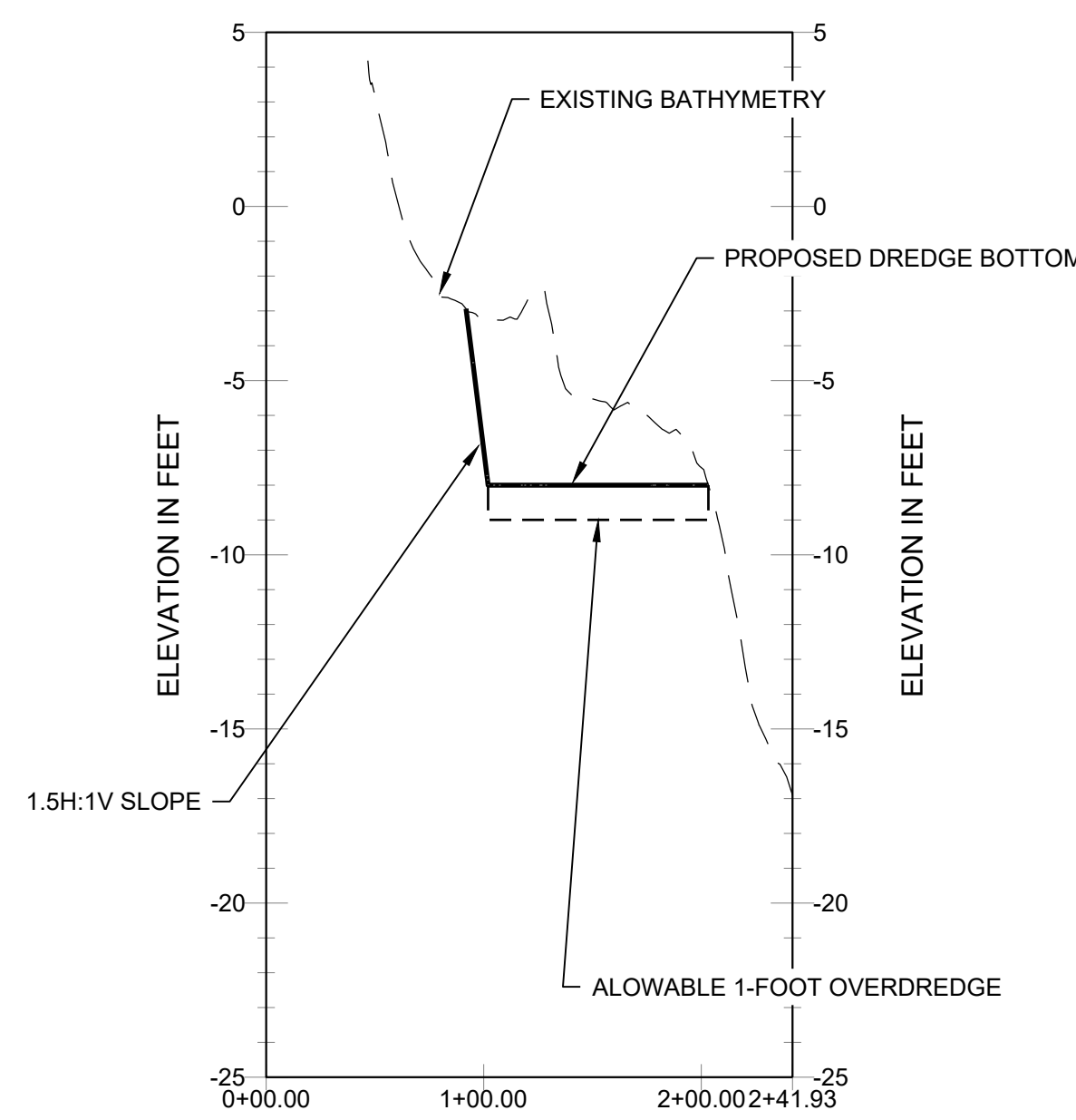
**A** DREDGING PROFILE MULTI-AGENCY MARITIME FACILITY AND BOATYARD APPROACH AREA

Project No.:	0200728
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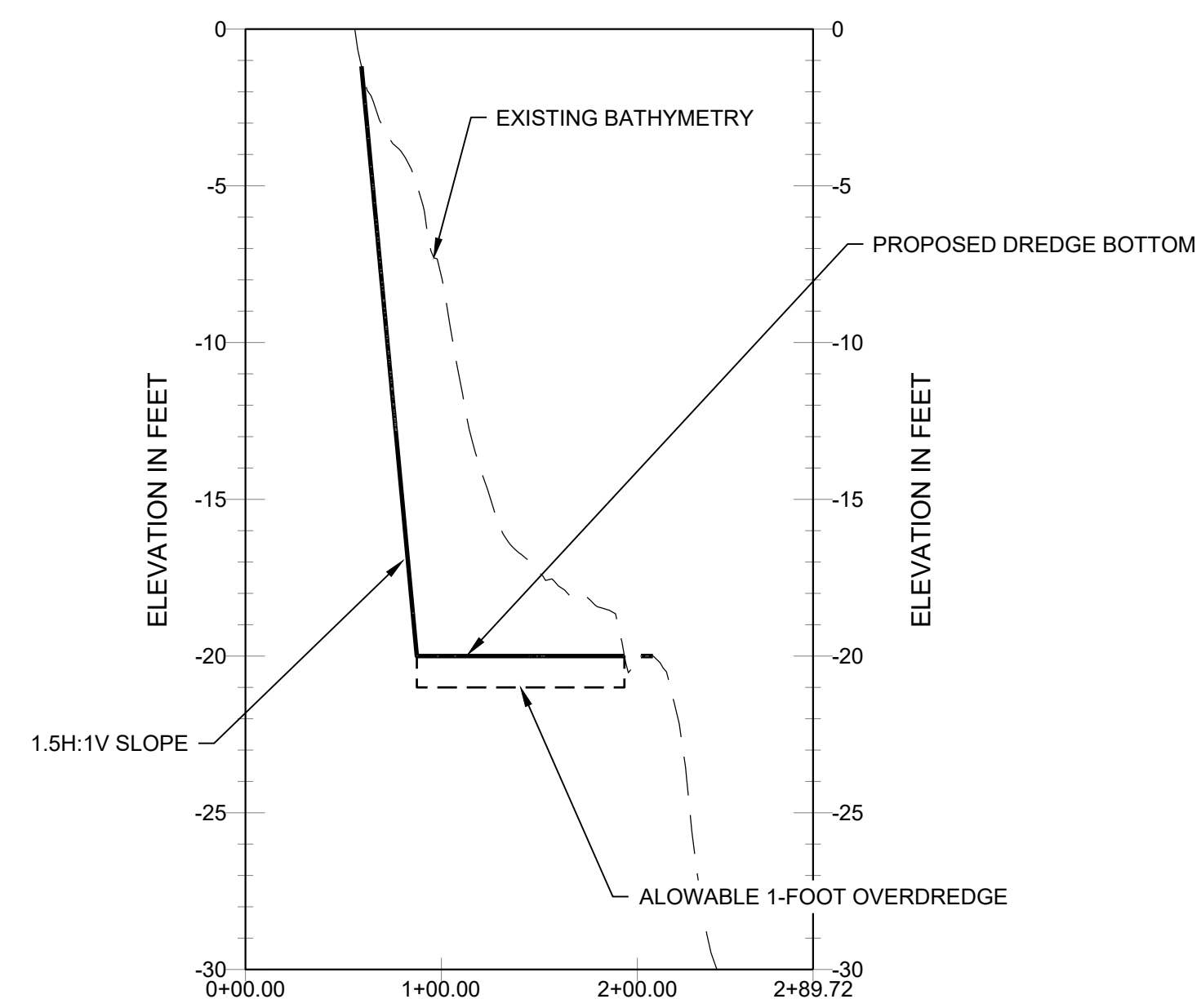

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PORT OF REDWOOD CITY  
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DREDGE  
PROFILES, MAMF  
AND BOATYARD  
APPROACH AREA



**B** DREDGING PROFILE MULTI-AGENCY MARITIME FACILITY



**C** DREDGING PROFILE BOATYARD APPROACH AREA

