

VICINITY MAP

NTS



APPLICANT: LARKSPUR MARINA  
 PROJECT: LARKSPUR MARINA MAINTENANCE DREDGING  
 LOCATION: LARKSPUR, MARIN COUNTY, CA  
 CORPS FILE NO: 2015-00036N  
 DATE: JANUARY 12, 2015

SHEET 1 OF 8

W. B. Clausen Structural Engineers, Inc.

1727 64TH Street, Emeryville, California 94608  
 ☎: (510) 655-4144 Fax: (510) 655-1133



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PHC

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DATE ISSUED

1-12-15

LARKSPUR MARINA  
 MAINTENANCE DREDGING  
 LARKSPUR, CALIFORNIA

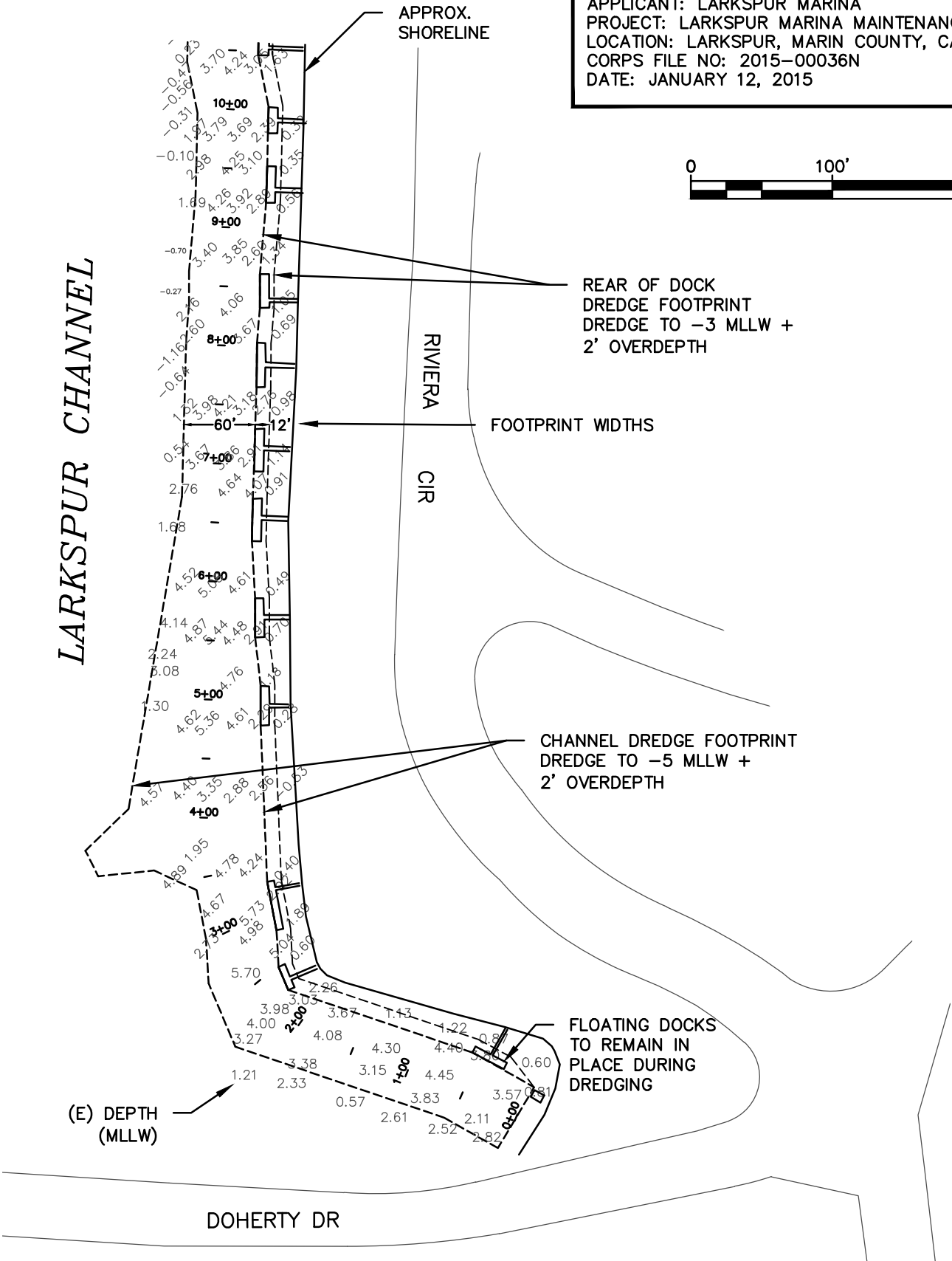
VICINITY MAP

V1.0

JOB NUMBER

26004

APPLICANT: LARKSPUR MARINA  
 PROJECT: LARKSPUR MARINA MAINTENANCE DREDGING  
 LOCATION: LARKSPUR, MARIN COUNTY, CA  
 CORPS FILE NO: 2015-00036N  
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LARKSPUR CHANNEL

APPROX. SHORELINE

REAR OF DOCK  
DREDGE FOOTPRINT  
DREDGE TO -3 MLLW +  
2' OVERDEPTH

FOOTPRINT WIDTHS


CHANNEL DREDGE FOOTPRINT  
DREDGE TO -5 MLLW +  
2' OVERDEPTH

FLOATING DOCKS  
TO REMAIN IN  
PLACE DURING  
DREDGING

(E) DEPTH  
(MLLW)

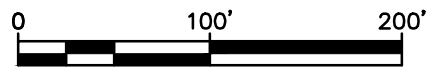
DOHERTY DR

SHEET 2 OF 8

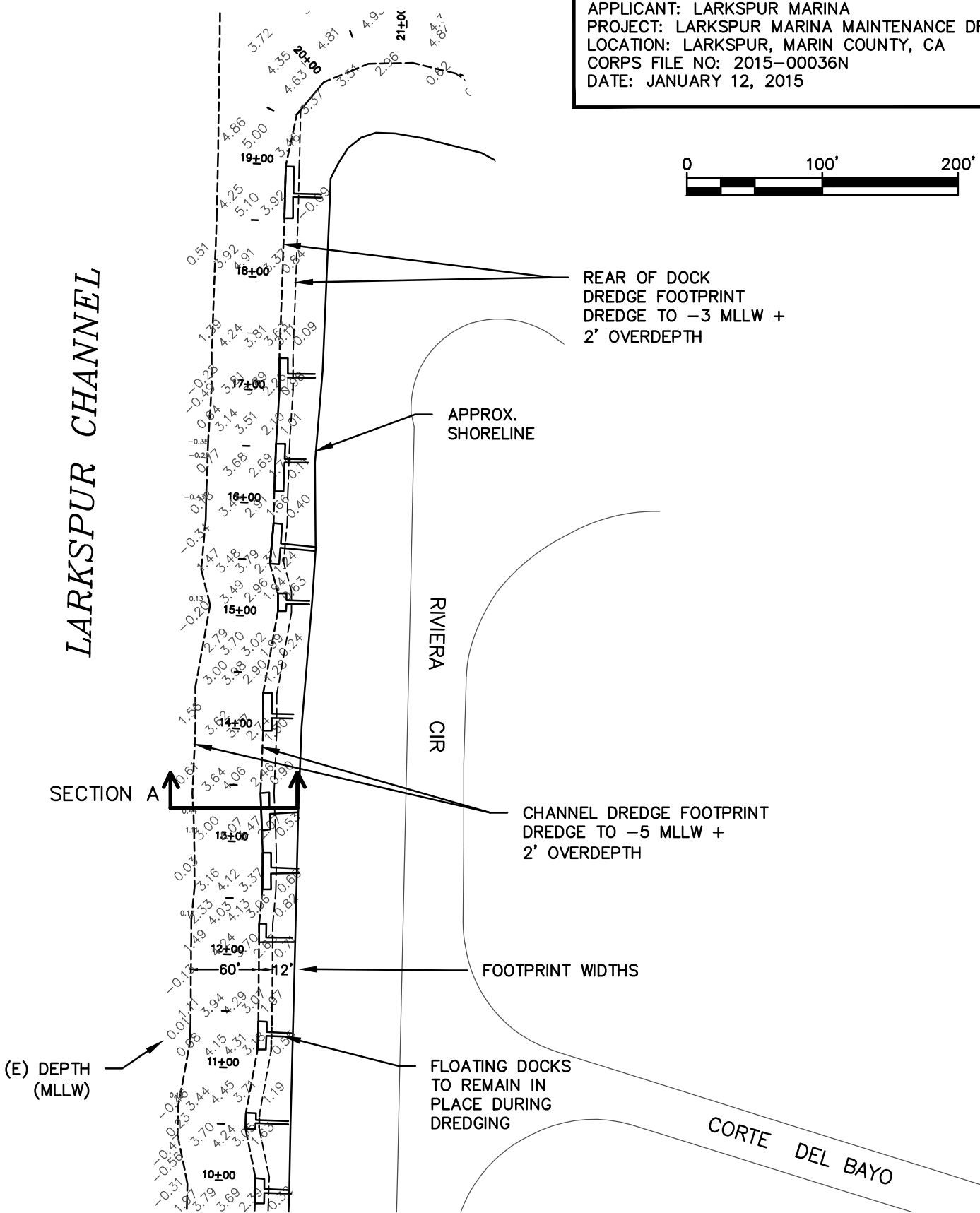
<b>W. B. Clausen Structural Engineers, Inc.</b> 1727 64TH Street, Emeryville, California 94608 ☎: (510) 655-4144 Fax: (510) 655-1133		DRAWN BY <b>PHC</b>	<b>LARKSPUR MARINA          MAINTENANCE DREDGING          LARKSPUR, CALIFORNIA</b>	<b>C1.0</b>	
		CHECKED BY			JOB NUMBER <b>26004</b>
		DATE ISSUED <b>1-12-15</b>			<b>PROPOSED DREDGE FOOTPRINT</b>

FILE: 26004/PN FIGURES

APPLICANT: LARKSPUR MARINA  
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 LOCATION: LARKSPUR, MARIN COUNTY, CA  
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LARKSPUR CHANNEL



SHEET 3 OF 8

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LARKSPUR MARINA  
 MAINTENANCE DREDGING  
 LARKSPUR, CALIFORNIA

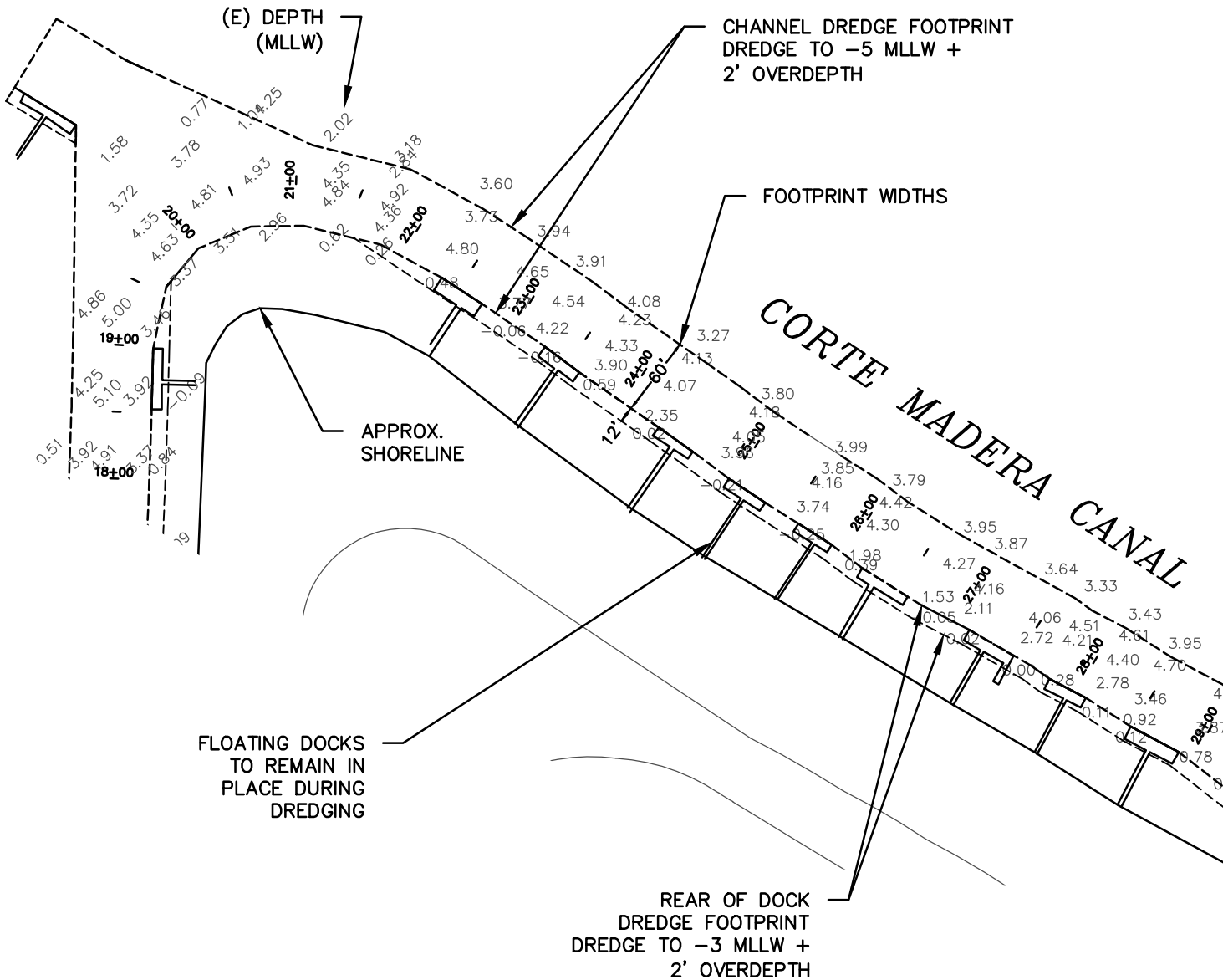
**PROPOSED DREDGE FOOTPRINT**

**C1.1**

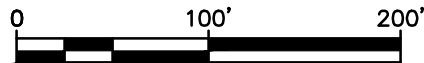
JOB NUMBER

26004

FILE: 26004/PN FIGURES



APPLICANT: LARKSPUR MARINA  
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SHEET 4 OF 8

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LARKSPUR MARINA  
 MAINTENANCE DREDGING  
 LARKSPUR, CALIFORNIA

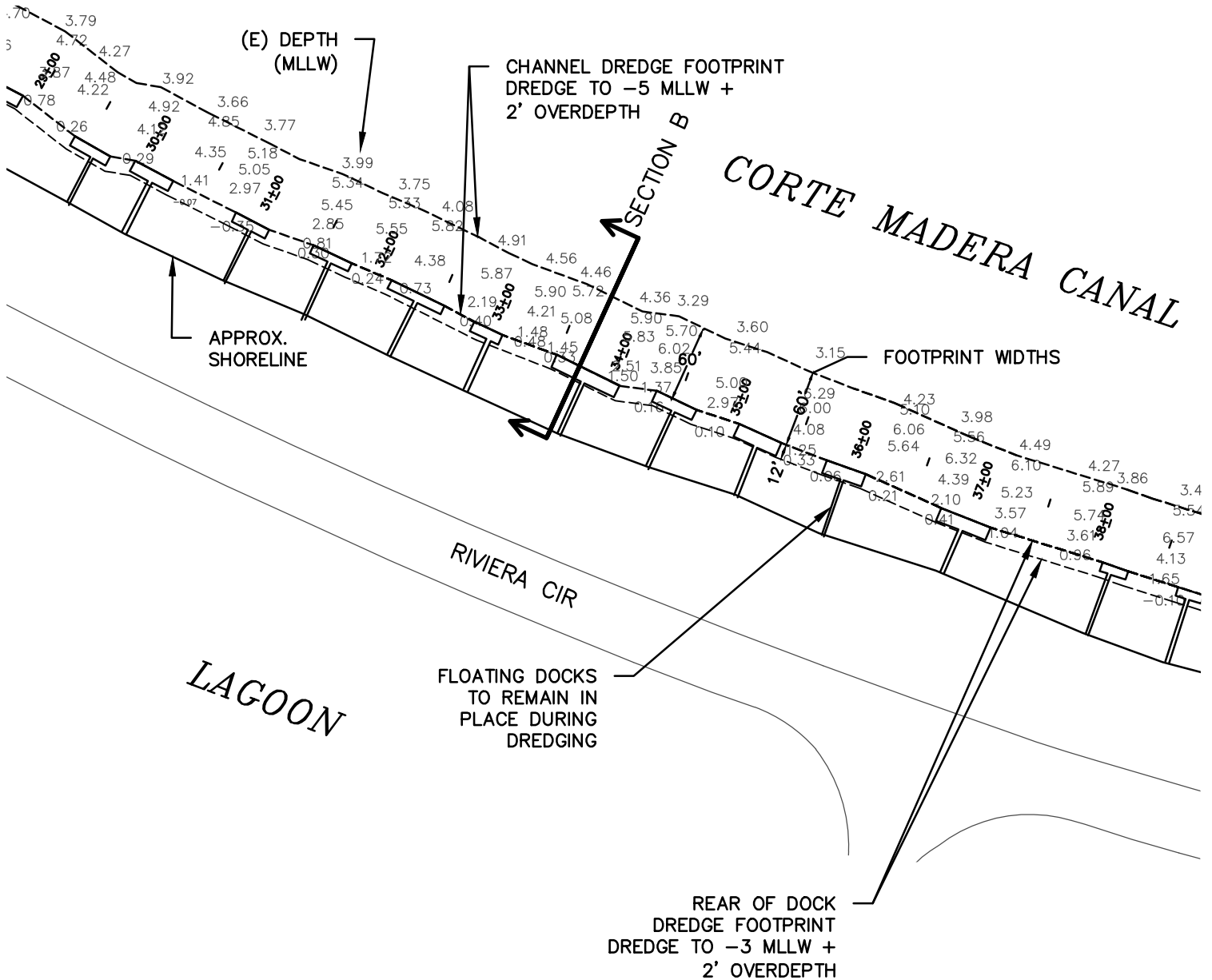
**PROPOSED DREDGE FOOTPRINT**

**C1.2**

JOB NUMBER

26004

FILE: 26004/PN FIGURES




APPLICANT: LARKSPUR MARINA  
 PROJECT: LARKSPUR MARINA MAINTENANCE DREDGING  
 LOCATION: LARKSPUR, MARIN COUNTY, CA  
 CORPS FILE NO: 2015-00036N  
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SHEET 5 OF 8

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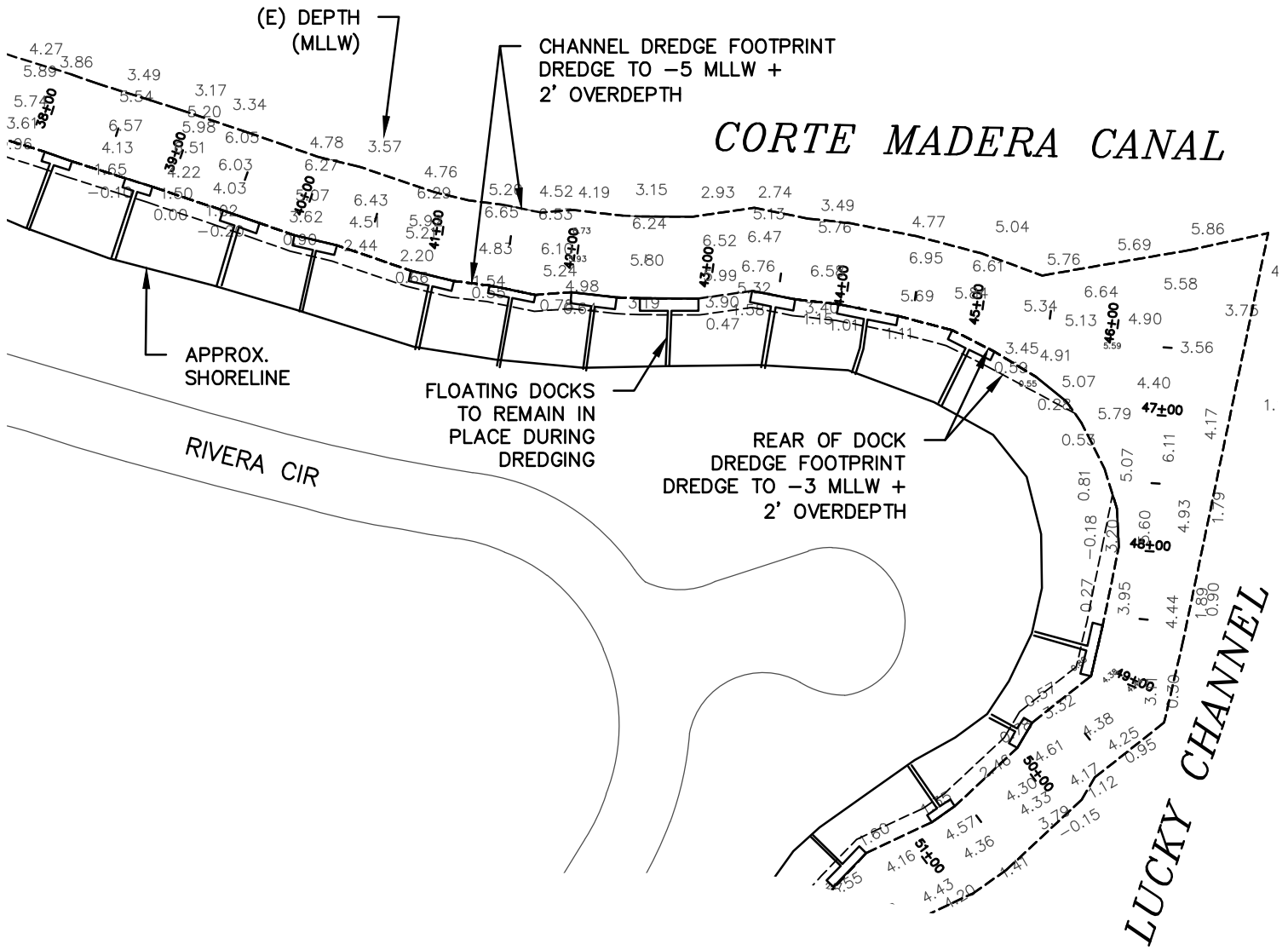


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LARKSPUR MARINA  
 MAINTENANCE DREDGING  
 LARKSPUR, CALIFORNIA  
**PROPOSED DREDGE FOOTPRINT**

**C1.3**  
 JOB NUMBER  
 26004

FILE: 26004/PN FIGURES




APPLICANT: LARKSPUR MARINA  
 PROJECT: LARKSPUR MARINA MAINTENANCE DREDGING  
 LOCATION: LARKSPUR, MARIN COUNTY, CA  
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SHEET 6 OF 8

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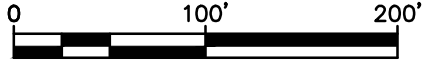
LARKSPUR MARINA  
 MAINTENANCE DREDGING  
 LARKSPUR, CALIFORNIA

**PROPOSED DREDGE FOOTPRINT**

**C1.4**  
 JOB NUMBER  
 26004

FILE: 26004/PN FIGURES

APPLICANT: LARKSPUR MARINA  
 PROJECT: LARKSPUR MARINA MAINTENANCE DREDGING  
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 CORPS FILE NO: 2015-00036N  
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REAR OF DOCK  
 DREDGE FOOTPRINT  
 DREDGE TO -3 MLLW +  
 2' OVERDEPTH

CHANNEL DREDGE  
 FOOTPRINT  
 DREDGE TO -5 MLLW +  
 2' OVERDEPTH

FLOATING DOCKS  
 TO REMAIN IN  
 PLACE DURING  
 DREDGING

LAGOON

FOOTPRINT WIDTHS

LUCKY CHANNEL

APPROX. SHORELINE

RIVIERA CIR

SECTION C

LUCKY DR

RIVIERA CIR

(E) DEPTH (MLLW)

SHEET 7 OF 8

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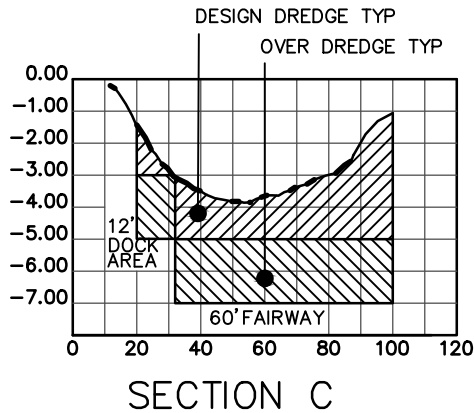
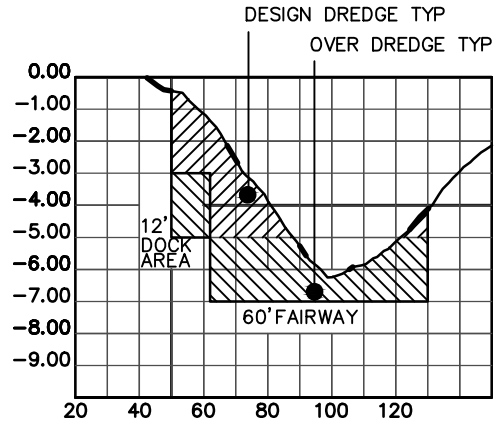
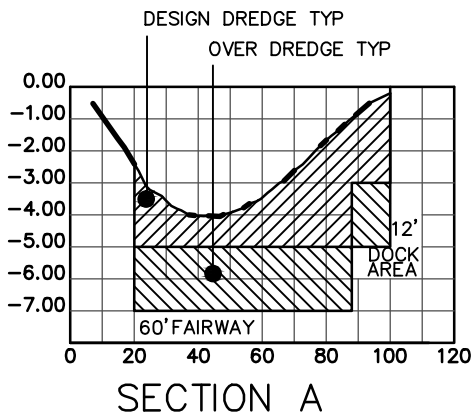
**PROPOSED DREDGE FOOTPRINT**

**C1.6**

JOB NUMBER

26004

FILE: 26004/PN FIGURES



<b>LARKSPUR MARINA MAINTENANCE DREDGING PROJECT</b>	
<b>PROPOSED DREDGE QUANTITIES</b>	
DESIGN DEPTH TOTAL:	<u>14,971 cy</u>
OVER DREDGE TOTAL:	<u>33,949 cy</u>
TOTAL PROPOSED DREDGE QUANTITY:	<u><u>48,920 cy</u></u>

**NOTES:**

Bathymetric data is from a survey conducted by PLS Surveys, Inc. on December 14, 2014 and represents the seafloor conditions present on that date.


The bathymetric survey was conducted using Class 1 hydrographic survey methodology and accuracies outlined in the Corps of Engineers HYDROGRAPHIC SURVEYING MANUAL or better. The survey was performed using a 17' survey vessel, Leica Viva RTK GPS for horizontal and elevation and an Odom Hydrotrac survey grade echosounder.

Horizontal datum is the California Coordinate System, NAD '83, Zone III. Soundings are in feet below MLLW, as referenced to the NOAA Benchmark "4874C-1977" having an elevation of 11.55' (MLLW)

Shoreline features and property lines and docks shown on this map are from an electronic CAD file provided. The accuracy of these features were not verified by PLS.

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SHEET 8 OF 8

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	CHECKED BY		
	DATE ISSUED <b>1-12-15</b>	<b>PROPOSED SECTIONS</b>	JOB NUMBER <b>26004</b>

FILE: 26004/PN FIGURES