

**US Army Corps
of Engineers®
LOS ANGELES DISTRICT**

SAN DIEGO COUNTY, CALIFORNIA SOUTH SAN DIEGO HARBOR MAINTENANCE DREDGING

**SOLICITATION NO.: W912PL-19-B-0008
CONTRACT NO.:
ISSUE DATE: AUGUST 2019**

THIS PROJECT WAS DESIGNED BY THE
LOS ANGELES DISTRICT CORPS OF
ENGINEERS. THE INITIALS OR SIGNATURES
AND REGISTRATION DESIGNATIONS OF
INDIVIDUALS APPEAR ON THESE
PROJECT DOCUMENTS WITHIN THE
SCOPE OF THEIR EMPLOYMENT
AS REQUIRED BY ER 1110-1-8152.
SIGNATURES INDICATE OFFICIAL
RECOMMENDATION OF ALL DRAWINGS IN
THIS SET.
PREPARED UNDER THE DIRECTION OF:

COLONEL AARON C. BARTA DISTRICT ENGINEER	APPROVED BY: <i>[Signature]</i> DATE: 8/21/2019 CHIEF ENGINEERING DIVISION
	SUBMITTED BY: <i>[Signature]</i> DATE: 8/21/2019 CHIEF DESIGN BRANCH

U.S. ARMY CORPS OF ENGINEERS LOS ANGELES DISTRICT LOS ANGELES, CALIFORNIA		DESIGNED BY: J.JACKSON DRAWN BY: J.JACKSON CHECKED BY: J.RYAN SUBMITTED BY: D.MESA SIZE: CAD FILE ANSID	ISSUE DATE: AUGUST 2019 SOLICITATION NO.: W912PL-19-B-0008 CONTRACT NO.: C-0103 FILE NAME C-001.dgn
TITLE SHEET			
SHEET ID G-001			

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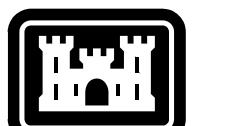
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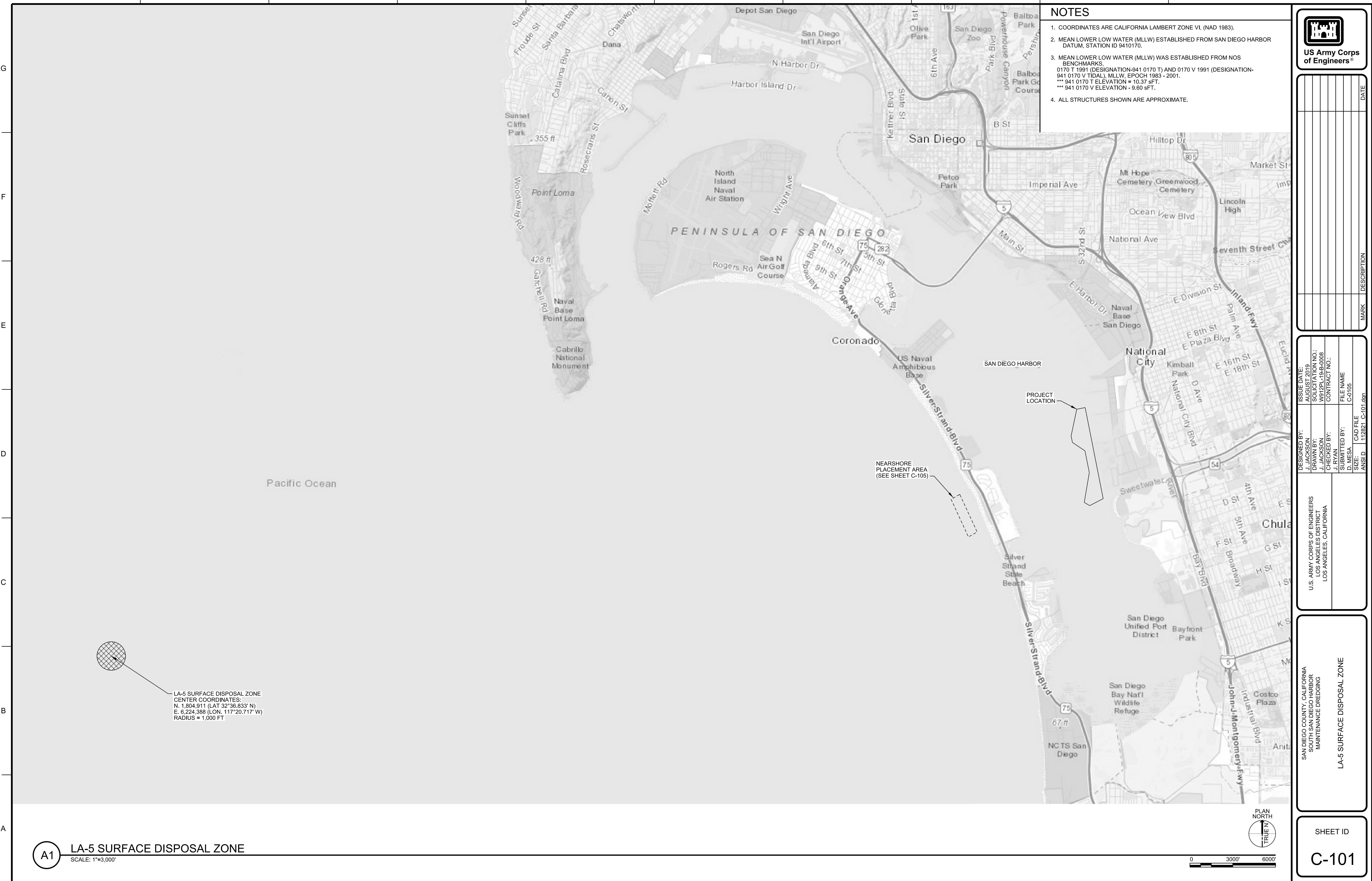
FILE NO.	SHEET NO.	DESCRIPTION
C-0103	G-001	TITLE SHEET
C-0104	G-002	INDEX TO CONTRACT DRAWINGS
C-0105	C-101	LA-5 SURFACE DISPOSAL ZONE
C-0106	C-102	GENERAL PLANS AND SURVEY CONTROL
C-0107	C-103	CONDITION SURVEY
C-0108	C-104	DREDGE PLAN
C-0109	C-105	NEARSHORE PLACEMENT AREA
C-0110	C-106	INDEX TO CROSS SECTIONS
C-0111	C-301	CROSS SECTIONS - STA. 621+00 TO 628+00
C-0112	C-302	CROSS SECTIONS - STA. 630+00 TO 634+00
C-0113	C-303	CROSS SECTIONS - STA. 636+00 TO 640+00
C-0114	C-304	CROSS SECTIONS - STA. 642+00 TO 652+00
C-0115	C-305	CROSS SECTIONS - STA. 654+00 TO 664+00
C-0116	C-306	CROSS SECTIONS - STA. 666+00 TO 676+00
C-0117	C-307	CROSS SECTIONS - STA. 678+00 TO 681+00
C-0118	C-308	CROSS SECTIONS - STA. 682+00 AND NEARSHORE PLACEMENT AREA

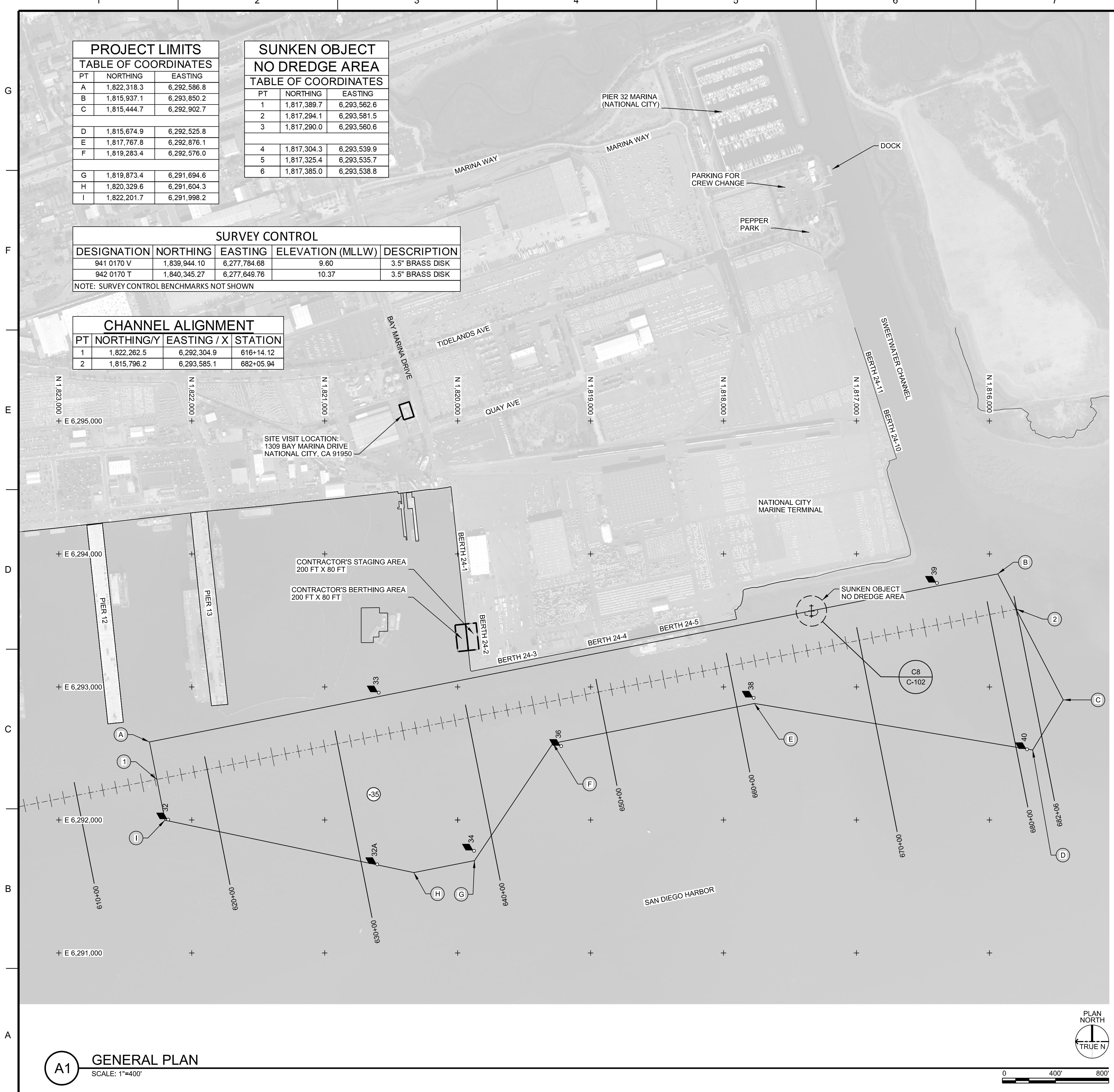
U.S. ARMY CORPS OF ENGINEERS LOS ANGELES DISTRICT LOS ANGELES, CALIFORNIA	DESIGNED BY: J. JACKSON	ISSUE DATE: AUGUST 2019
	DRAWN BY: J. JACKSON	SOLICITATION NO.: W92PL-19-B-0008
	CHECKED BY: J. RYAN	CONTRACT NO.:
	SUBMITTED BY: D. MESA	FILE NAME: C-0104
	SIZE: ANSI D	CAD FILE: 112821_G-002.dwg

SAN DIEGO COUNTY, CALIFORNIA SOUTH SAN DIEGO HARBOR MAINTENANCE DREDGING	INDEX TO DRAWINGS
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SHEET ID G-002

1 2 3 4 5 6 7 8 9 10





PROJECT LIMITS		
TABLE OF COORDINATES		
PT	NORTHING	EASTING
A	1,822,318.3	6,292,586.8
B	1,815,937.1	6,293,850.2
C	1,815,444.7	6,292,902.7
D	1,815,674.9	6,292,525.8
E	1,817,767.8	6,292,876.1
F	1,819,283.4	6,292,576.0
G	1,819,873.4	6,291,694.6
H	1,820,329.6	6,291,604.3
I	1,822,201.7	6,291,998.2

SUNKEN OBJECT NO DREDGE AREA TABLE OF COORDINATES		
PT	NORTHING	EASTING
1	1,817,389.7	6,293,562.6
2	1,817,294.1	6,293,581.5
3	1,817,290.0	6,293,560.6
4	1,817,304.3	6,293,539.9
5	1,817,325.4	6,293,535.7
6	1,817,385.0	6,293,538.8

NOTES

1. COORDINATES ARE CALIFORNIA LAMBERT ZONE VI, (NAD 1983).
 2. MLLW ESTABLISHED FROM SAN DIEGO HARBOR DATUM, STATION ID 9410170.
 3. MEAN LOWER LOW WATER (MLLW) WAS ESTABLISHED FROM NOS BENCHMARKS,
0170 T 1991 (DESIGNATION-941 0170 T) AND 0170 V 1991 (DESIGNATION-
941 0170 V TIDAL), MLLW, EPOCH 1983 - 2001.
*** 941 0170 T ELEVATION = 10.37 sFT.
*** 941 0170 V ELEVATION - 9.60 sFT.
 4. ALL STRUCTURES SHOWN ARE APPROXIMATE.
 5. BERTHING AND STAGING AREAS TO BE CONFIRMED WITH PORT OF SAN DIEGO

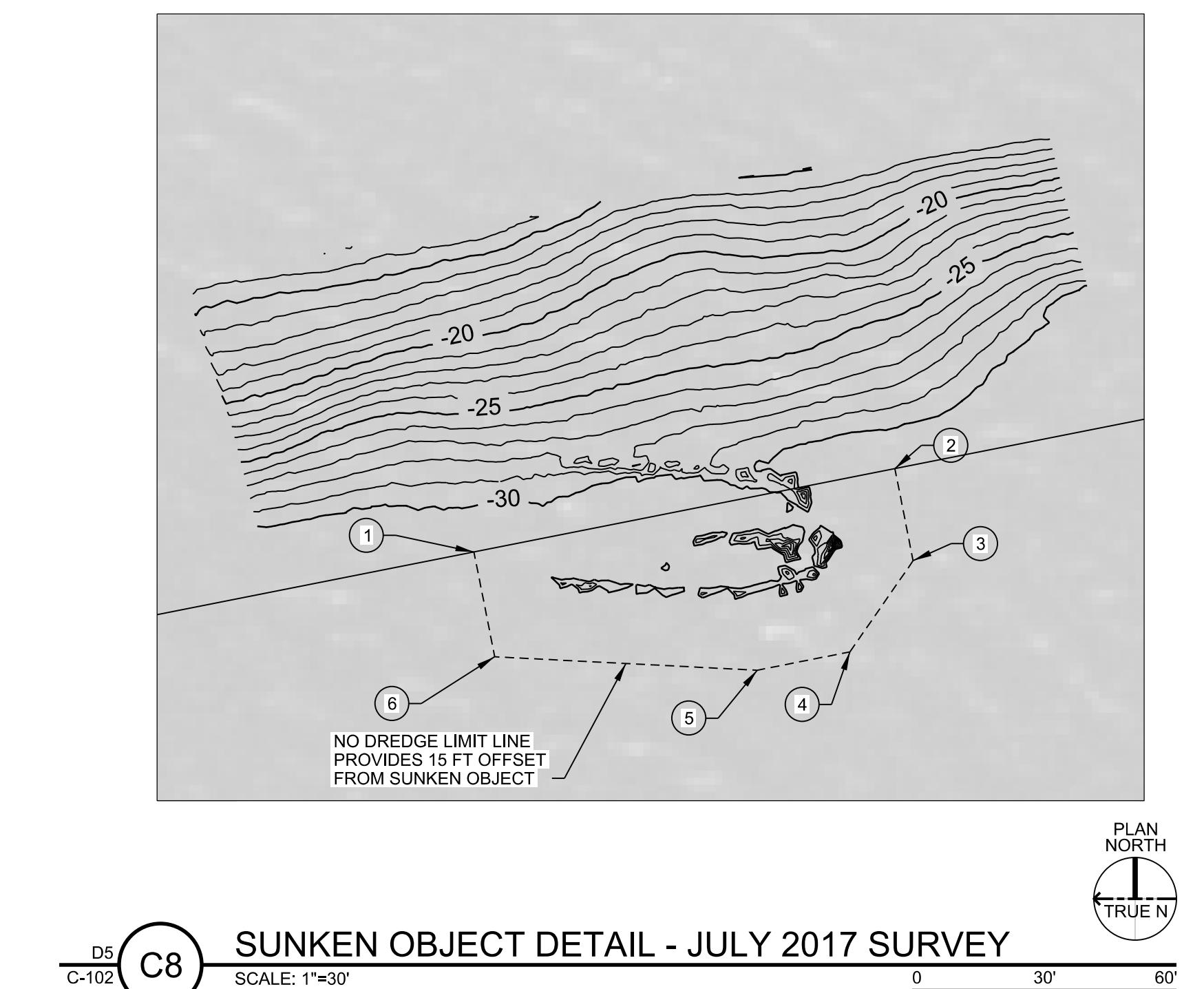
LEGEND

-35 PROJECT DEPTH

SURVEY CONTROL				
DESIGNATION	NORTHING	EASTING	ELEVATION (MLLW)	DESCRIPTION
941 0170 V	1,839,944.10	6,277,784.68	9.60	3.5" BRASS DISK
942 0170 T	1,840,345.27	6,277,649.76	10.37	3.5" BRASS DISK
NOTE: SURVEY CONTROL BENCHMARKS NOT SHOWN				

SURVEY CONTROL

CHANNEL ALIGNMENT			
PT	NORTHING/Y	EASTING / X	STATION
1	1,822,262.5	6,292,304.9	616+14.12
2	1,815,796.2	6,293,585.1	682+05.94



D5 SUNKEN OBJECT DETAIL - JULY 2017 SURVEY

GENERAL PLANS AND SURVEY CONTROL

U.S. ARMY CORPS OF ENGINEERS		ISSUE DATE:	
LOS ANGELES DISTRICT		AUGUST 2019	
LOS ANGELES, CALIFORNIA		SOLICITATION NO.:	W912PL-19-B-0008
DESIGNED BY:	J. JACKSON	CHECKED BY:	CONTRACT NO.:
DRAWN BY:	J. JACKSON	J. RYAN	
SUBMITTED BY:	D. MESA	FILE NAME	C-0106
SIZE:	CAD FILE		
ANSI D	112821 C-102.dgn		

SAN DIEGO COUNTY, CALIFORNIA SOUTH SAN DIEGO HARBOR MAINTENANCE DREDGING	GENERAL PLANS AND SURVEY CONTROL
SHEET ID	
C-102	

1 2 3 4 5 6 7 8 9 10

NOTES

1. BATHYMETRIC CONTOURS AND SOUNDSINGS REPRESENT GENERAL CONDITIONS EXISTING ONLY AT TIME OF USACE SURVEY - AUGUST 2018



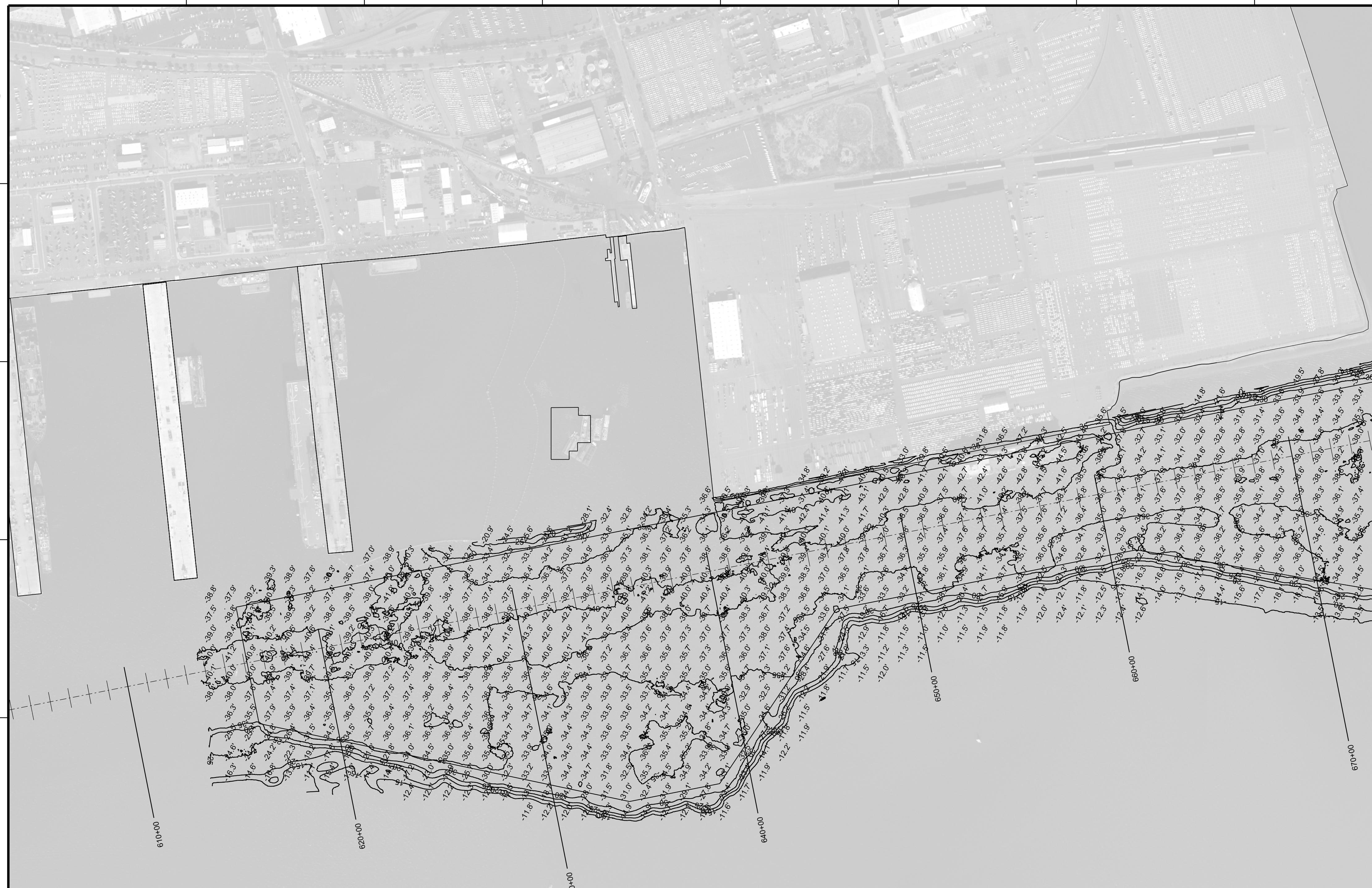
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DATE

DESIGNED BY: J.JACKSON	ISSUE DATE: AUGUST 2019
DRAWN BY: J.JACKSON	SOLICITATION NO.: W912P-19-B-0008
CHECKED BY: J.RYAN	CONTRACT NO.: W912P-19-B-0008
SUBMITTED BY: D.MESA	FILE NAME: C-0107
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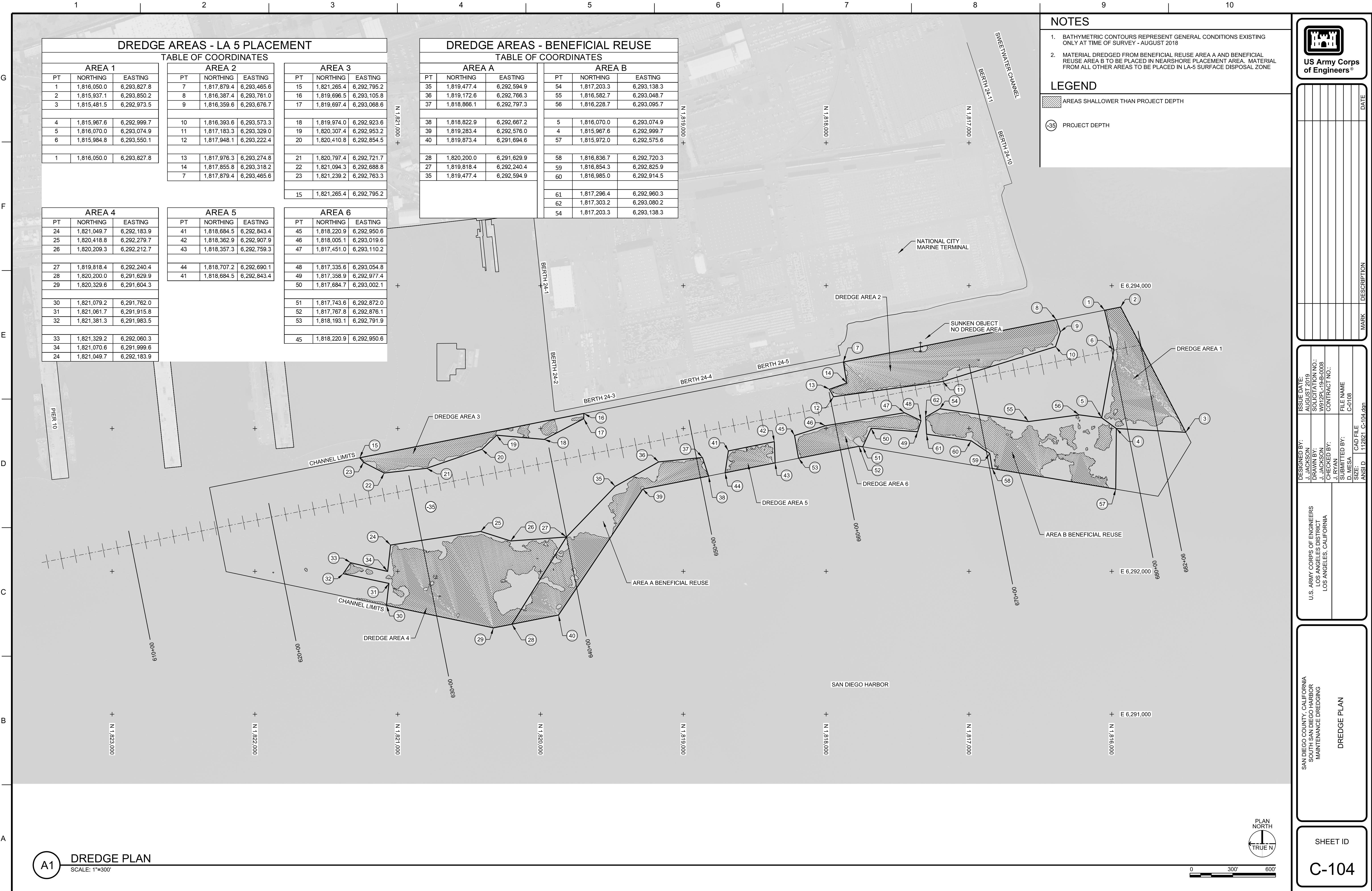
SAN DIEGO COUNTY, CALIFORNIA SOUTH SAN DIEGO HARBOR MAINTENANCE DREDGING CONDITION SURVEY
--

PLAN NORTH TRUE N	0 300' 600'
SHEET ID	C-103



SAN DIEGO HARBOR

A1 CONDITION SURVEY -
SCALE: 1"=300'



1 2 3 4 5 6 7 8 9 10

NOTES

- SOUNDINGS AND ELEVATIONS, IN US SURVEY FEET, INDICATE THE GENERAL CONDITIONS EXISTING ONLY AT THE TIME OF SURVEY - AUGUST 2019.
- COORDINATES ARE CALIFORNIA LAMBERT ZONE VI, (NAD 1983).
- MEAN LOWER LOW WATER DATUM IS ESTABLISHED FROM SAN DIEGO HARBOR, STATION ID 9410170.
- ELEVATIONS ESTABLISHED FROM NOS MONUMENT 0170 S 1991 (DESIGNATION-941 0170 S) AND 0170 N 1977 (DESIGNATION-941 0170 N TIDAL, (PID DC1323), MLLW, EPOCH 1983 - 2001.
*** 941 0170 S ELEVATION 12,421 US FEET.
*** 941 0170 N ELEVATION 15,321 US FEET.
- ALL STRUCTURES SHOWN ARE APPROXIMATE.
- ALL UNITS ARE U.S. SURVEY FEET
- REFER TO NOAA NAUTICAL CHART 18772 FOR COMPLETE BOAT LANE EXTENTS AND LOCATIONS

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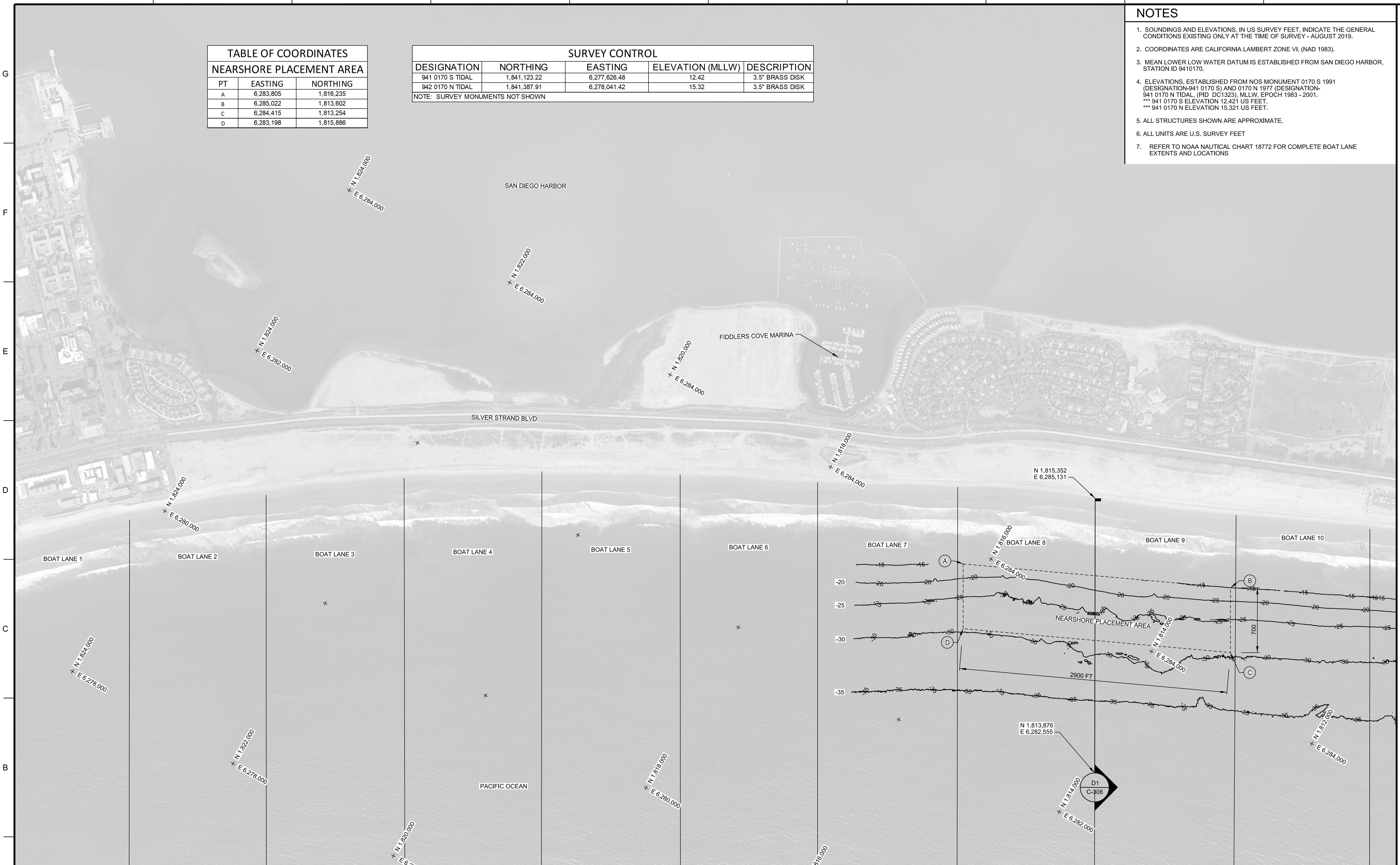
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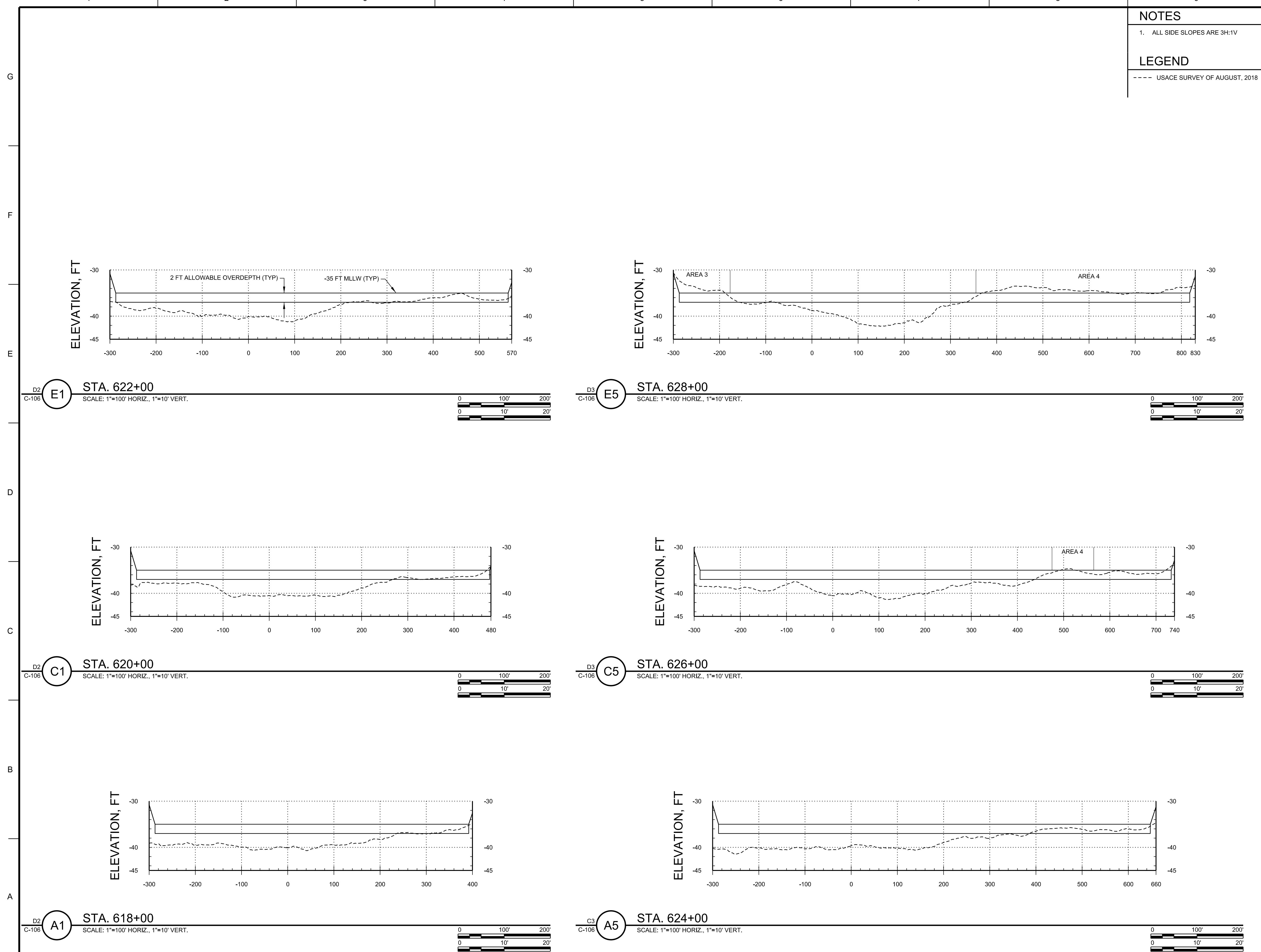
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C-009	112821_C-105.dgn					J.JACKSON	AUGUST 2019

NEARSHORE PLACEMENT AREA
SAN DIEGO COUNTY, CALIFORNIA SOUTH SAN DIEGO HARBOR MAINTENANCE DREDGING

SHEET ID
C-105







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DRAWN BY: J. JACKSON	SOLICITATION NO.: W912PL-19-B-0008
CHECKED BY: J. RYAN	CONTRACT NO.:
SUBMITTED BY: D. MESA	FILE NAME C-0111
SIZE: ANSI D	CAD FILE 112821 C-301.dgn

SAN DIEGO COUNTY, CALIFORNIA
SOUTH SAN DIEGO HARBOR
MAINTENANCE DREDGING

CROSS SECTIONS
STA. 621+00 TO 628+00

SHEET ID

C-301

NOTES

- ## 1. ALL SIDE SLOPES ARE 3H:1V

LEGEND

---- USACE SURVEY OF AUGUST, 2018



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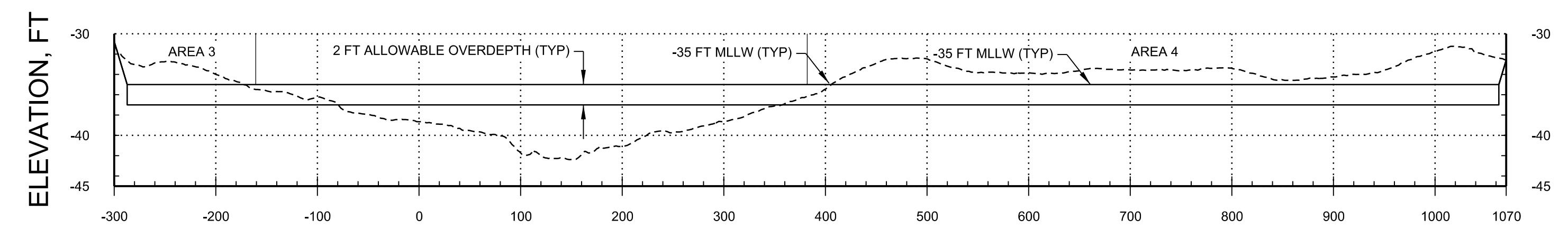
DESIGNED BY:	J. JACKSON	ISSUE DATE:	AUGUST 2019
DRAWN BY:	J. JACKSON	SOLICITATION NO.:	W912PL-19-B-0008
CHECKED BY:	J. RYAN	CONTRACT NO.:	
SUBMITTED BY:	D. MESA	FILE NAME	C-0112
SIZE:	CAD FILE		
ANSI D			112821 C-302.dgn

**U.S. ARMY CORPS OF ENGINEERS
LOS ANGELES DISTRICT
LOS ANGELES, CALIFORNIA**

CROSS SECTIONS
STA. 630+00 TO 634+00

SHEET ID

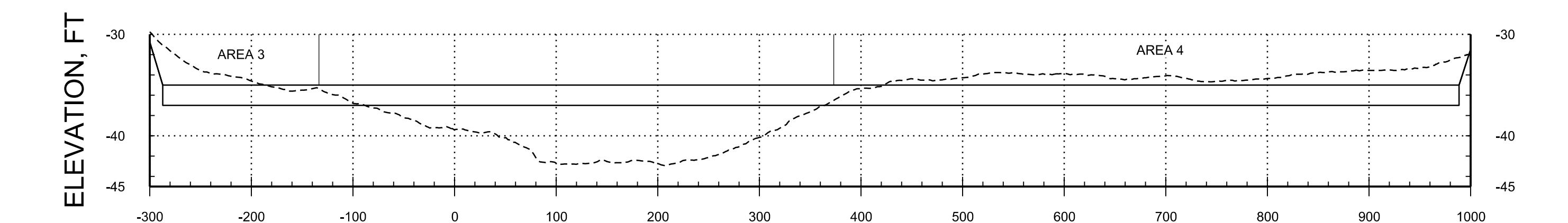
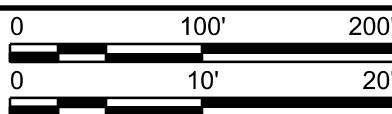
C-302



D4
C-106  **E3** **STA. 634+00**
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3 SCALE: 1"=100' HORIZ., 1"=10' VER

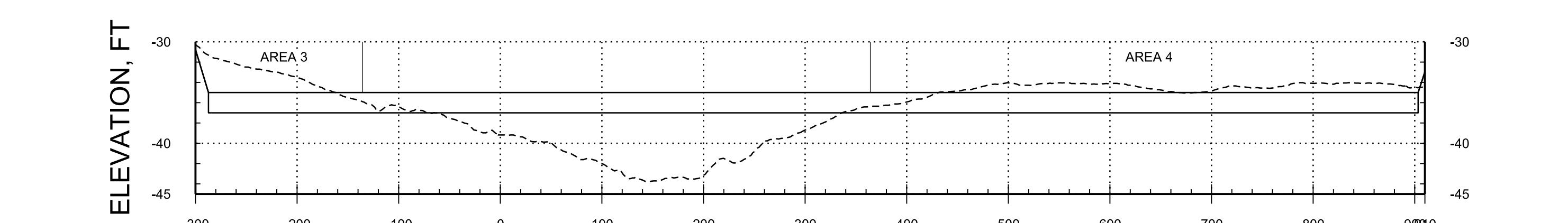
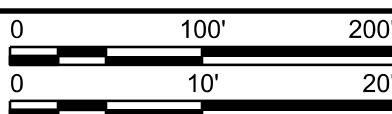
SCALE: 1"=100' HORIZ., 1"=10' VERT.



D4
C-106 C3 STA. 632+00
SCALE: 1"=100' HORIZ., 1"=10' VER

3 SCALE: 1"=100' HORIZ., 1"=10' VER

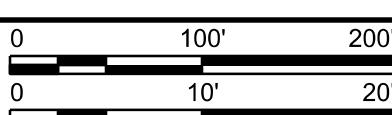
SCALE: 1"=100' HORIZ., 1"=10' VERT.



D3 STA. 630+00
A3 SCALE 1" = 100'L HORIZONTAL 1" = 10'L VERT.

STA. 630+00

SCALE: 1"=100' HORIZ., 1"=10' VERT.



1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10

NOTES

1. ALL SIDE SLOPES ARE 3H:1V

LEGEND

--- USACE SURVEY OF AUGUST, 2018



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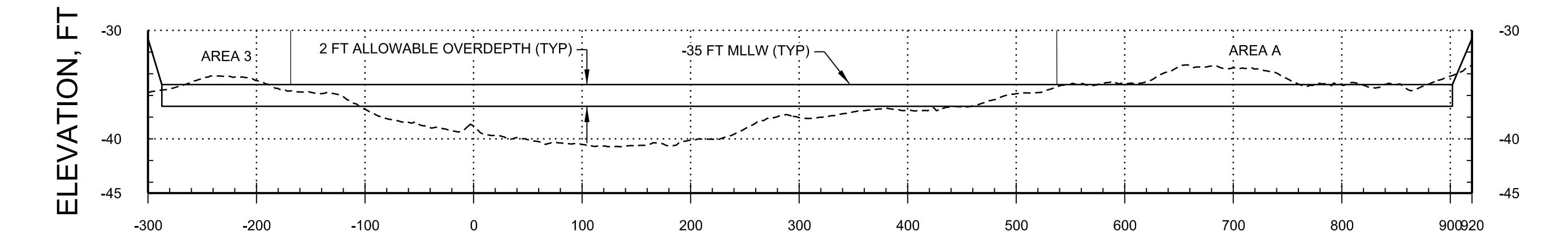
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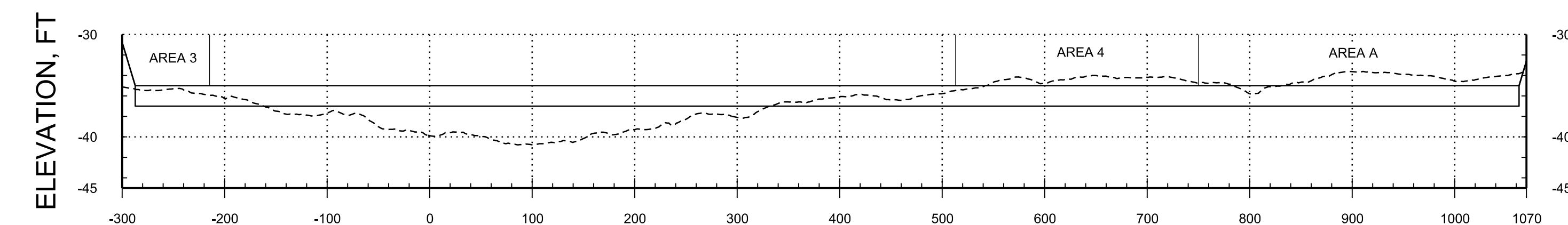
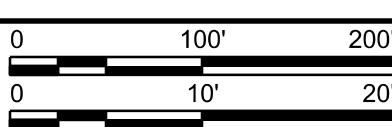
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D4
C-106 E3 STA. 640+00
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3 SCALE: 1"=100' HORIZ., 1"=10' VER

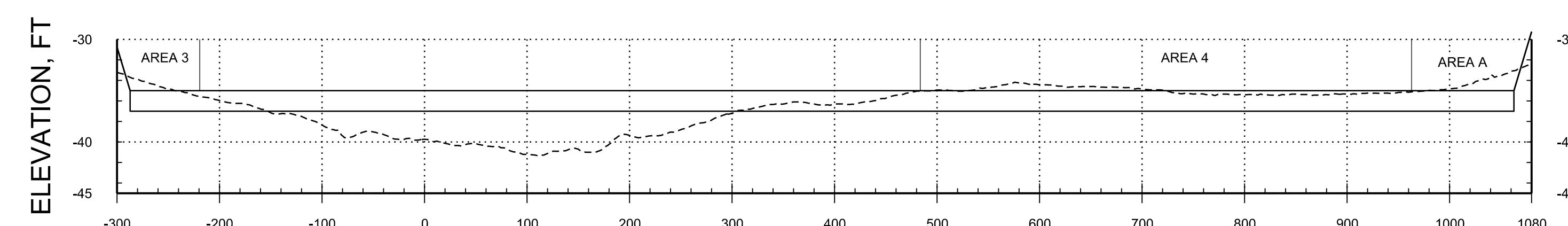
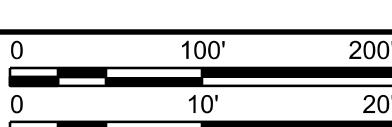
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3 STA. 638+00

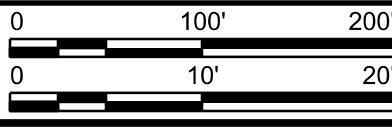
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D4
C-106 **A3** **STA. 636+00**
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STA. 636+00

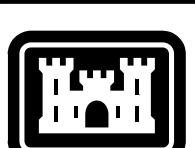
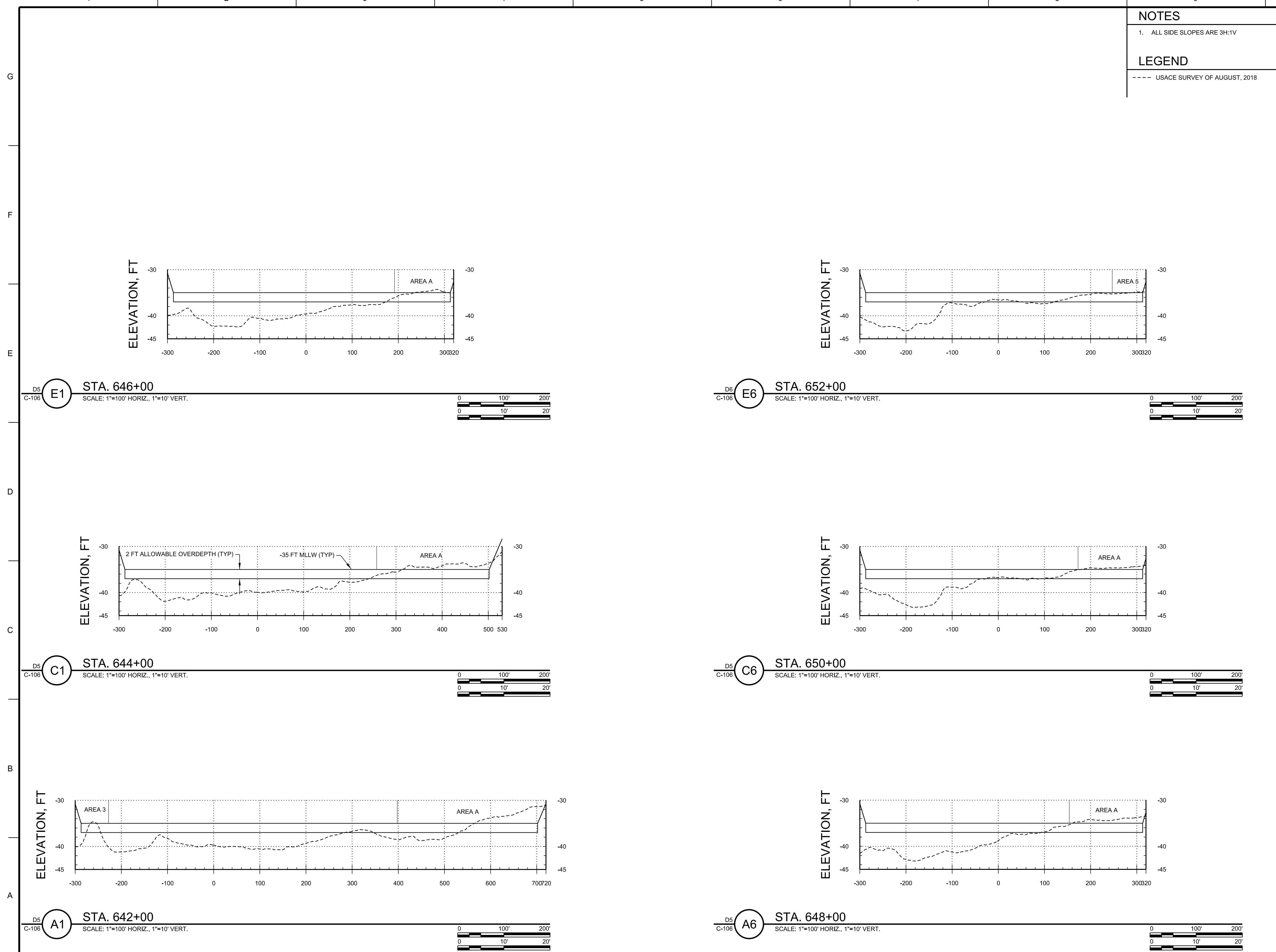
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**CROSS SECTIONS
STA. 636+00 TO 640+00**

AN DIE
SOUT
MAIN
CR
STA.

SHEET ID
C-303



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NOTES

- ## 1. ALL SIDE SLOPES ARE 3H:1V

LEGEND

----- USACE SURVEY OF AUGUST, 2018

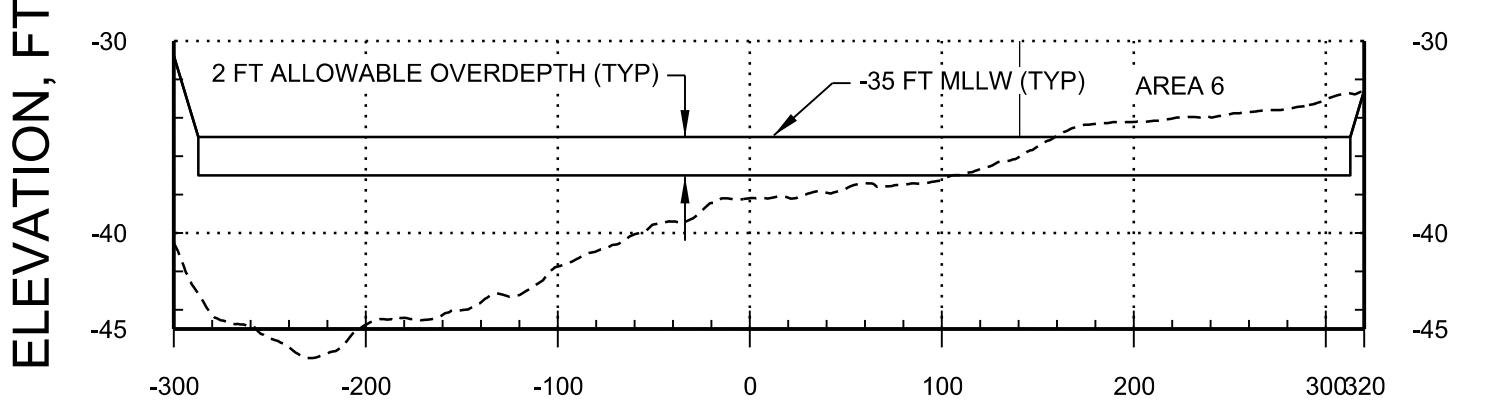
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CHECKED BY: J. RYAN	SUBMITTED BY: D. MESA	CONTRACT NO.: C-0114
SIZE: ANSID	CAD FILE 112821	FILE NAME C-304.dgn

U.S. ARMY CORPS OF ENGINEERS
LOS ANGELES DISTRICT
LOS ANGELES, CALIFORNIA

**CROSS SECTIONS
STA. 642+00 TO 652+00**

CROS

SHEET ID
C-304



D6
-106 E1 STA. 658+00
SCALE: 1"=100' HORIZ., 1"=10' VERT.

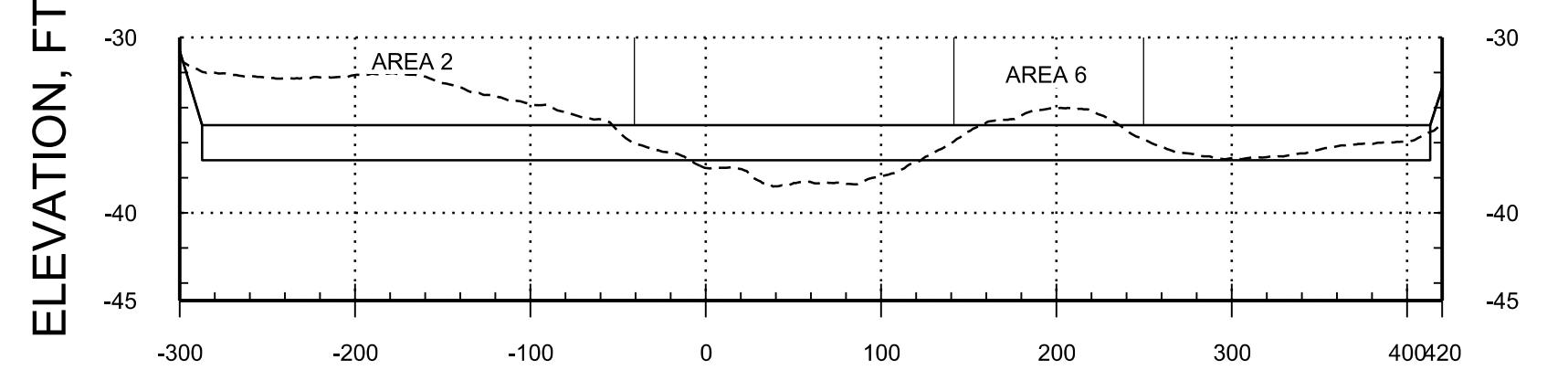
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D6
-106 C1 STA. 656+00
SCALE: 1"=100' HORIZ., 1"=10' VER

D6 C1 STA. 656+00
C-106 SCALE: 1"=100' HORIZ., 1"=10' VERT

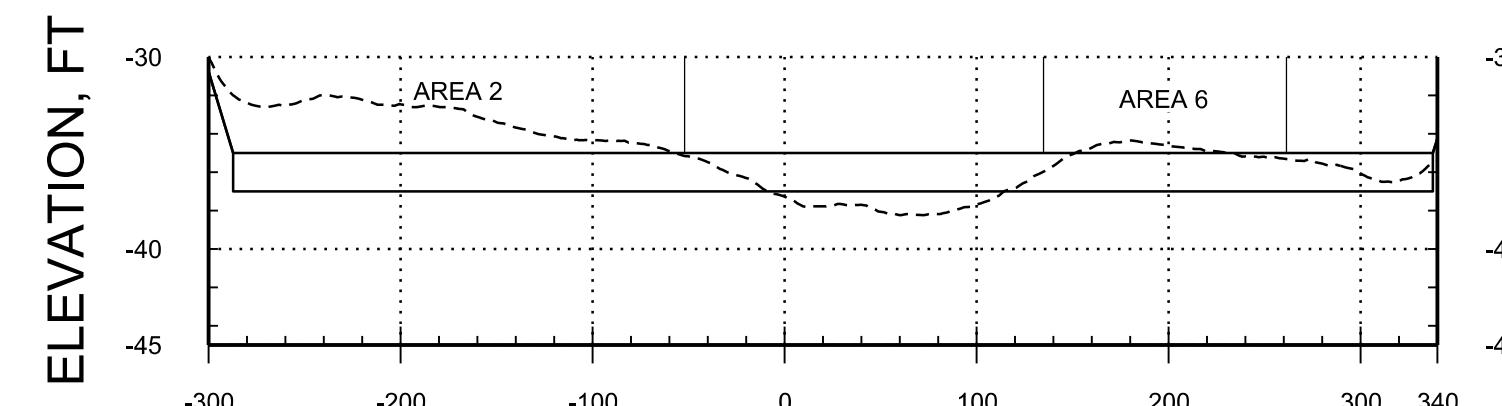
D6
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D6
C-106 A1 STA. 054+00
SCALE: 1"=100' HORZ., 1"=10' VERT



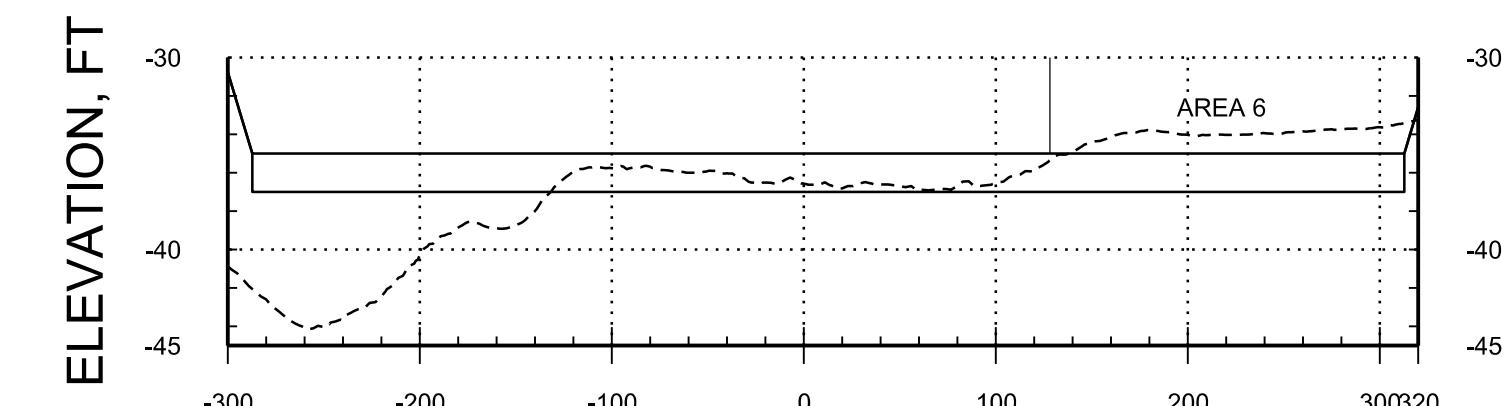
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C-106 E6 STA.664+00
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C-106 E6 SCALE: 1"=100' HORIZ., 1"=10' VER



E7 C-106 C6 STA 662+00
SCALE: 1"=100' HORIZ., 1"=100'

E7 C6 STA 662+00
C-106 SCALE: 1"=100' HORIZ., 1"=10' VERT



D7
C-106 **A6** **STA 660+00**
SCALE: 1"=100' HORIZ., 1"=100'

D7
C-106 A6 STA 000+00
SCALE: 1"=100' HORIZ., 1"=10' VERT

NOTES

- ## 1. ALL SIDE SLOPES ARE 3H:1V

LEGEND

----- USACE SURVEY OF AUGUST, 2018



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U.S. ARMY CORPS OF ENGINEERS LOS ANGELES DISTRICT LOS ANGELES, CALIFORNIA		DESIGNED BY: J. JACKSON	ISSUE DATE: AUGUST 2019
		DRAWN BY: J. JACKSON	SOLICITATION NO.: W912PL-19-B-0008
		CHECKED BY: J. RYAN	CONTRACT NO.:
		SUBMITTED BY: D. MESA	FILE NAME C-0115
ANSID	SIZE:	CAD FILE	
			112821 C-305.dgn

CROSS SECTIONS
STA. 654+00 TO 664+00

SHEET ID
C-305

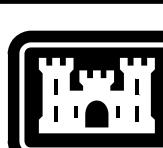
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NOTES

1. ALL SIDE SLOPES ARE 3H:1V

LEGEND

- - - USACE SURVEY OF AUGUST, 2018



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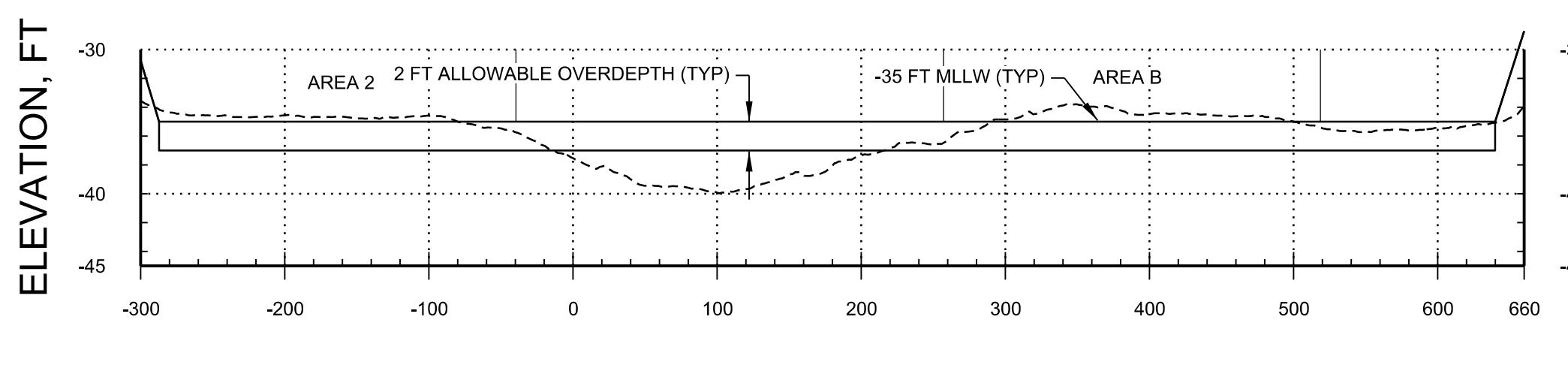
DATE
MARK
DESCRIPTION

U.S. ARMY CORPS OF ENGINEERS	DESIGNED BY: J. JACKSON	ISSUE DATE: AUGUST 2019
SOUTH SAN DIEGO HARBOR	DRAWN BY: J. JACKSON	SOLICITATION NO.: W92P-19-B-0008
Maintenance Dredging	CHECKED BY: J. RYAN	CONTRACT NO.: C-106
Los Angeles, California	SUBMITTED BY: D. MESA	FILE NAME: C-016
	SIZE: CAD FILE	ANSI: 112821_C-306.dwg

SANDIEGO COUNTY, CALIFORNIA
SOUTH SAN DIEGO HARBOR
MAINTENANCE DREDGING

CROSS SECTIONS
STA. 666+90 TO 676+00

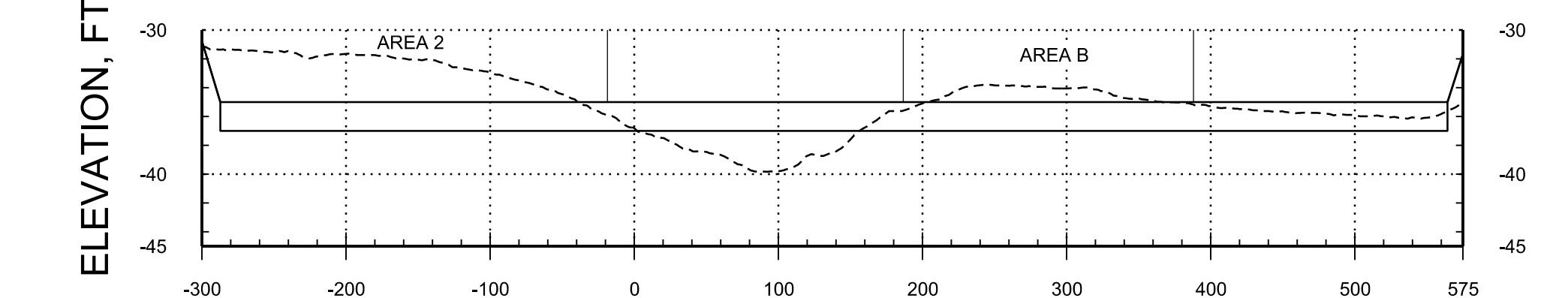
SHEET ID
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E1 STA. 670+00

C-106

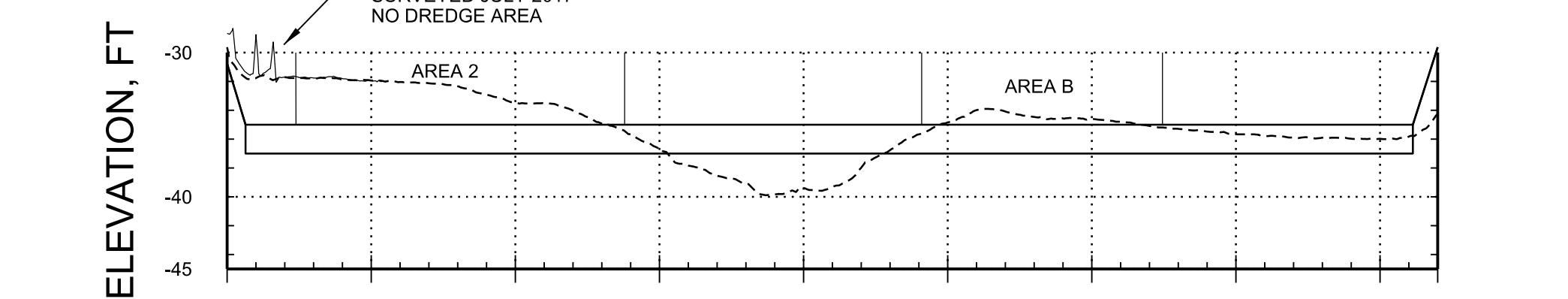
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C1 STA. 668+00

C-106

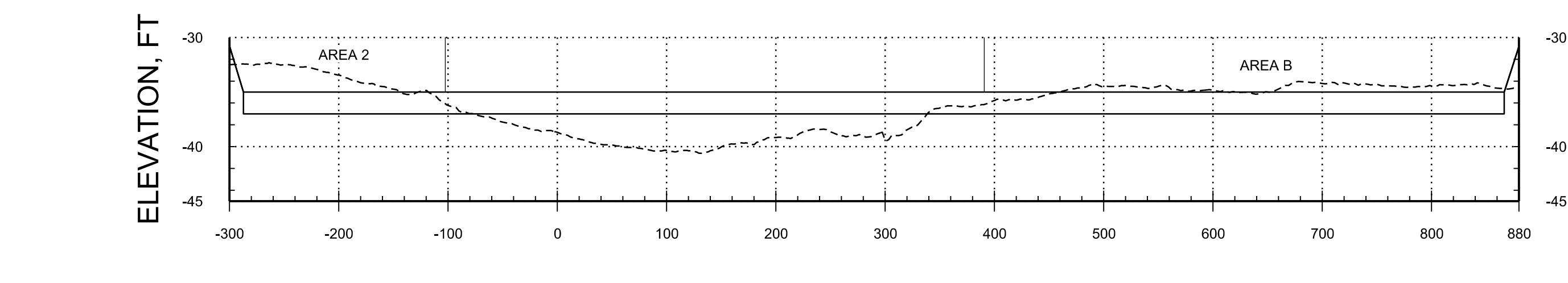
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A1 STA. 666+90

C-106

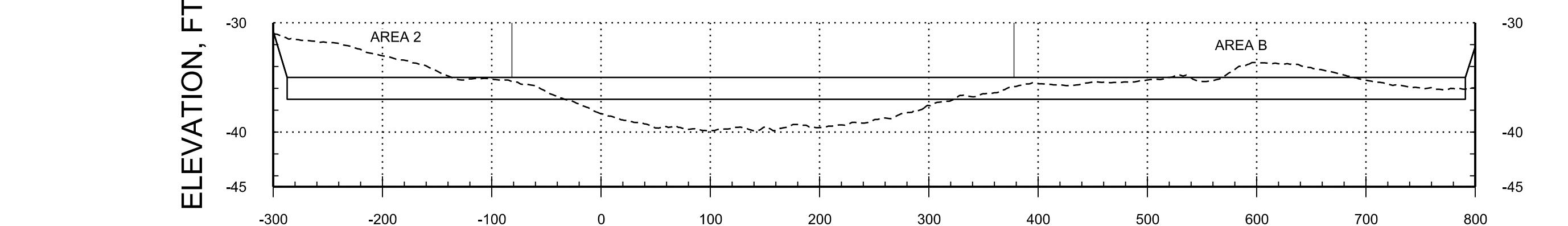
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E6 STA. 676+00

C-106

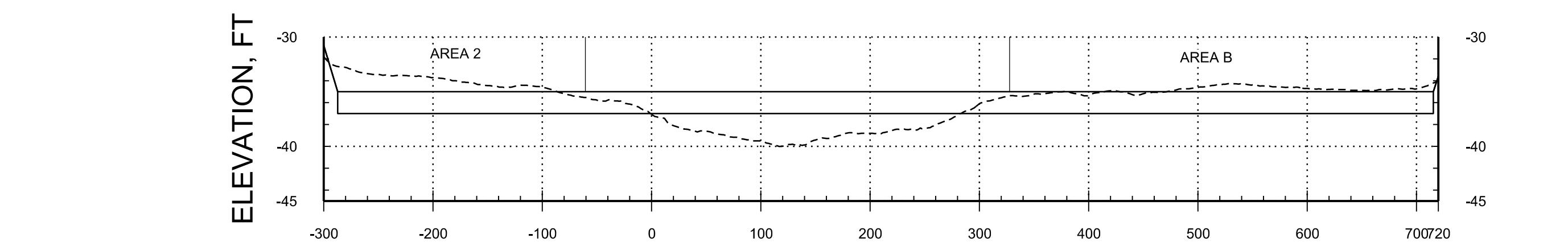
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C6 STA. 674+00

C-106

SCALE: 1"=100' HORIZ., 1"=10' VERT.



A6 STA. 672+00

C-106

SCALE: 1"=100' HORIZ., 1"=10' VERT.

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NOTES

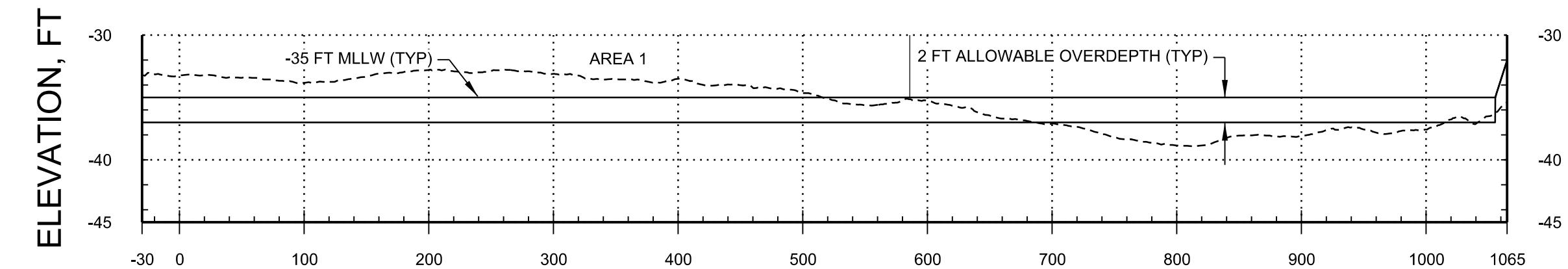
- ## 1. ALL SIDE SLOPES ARE 3H:1V

LEGEND

----- USACE SURVEY OF AUGUST, 2018



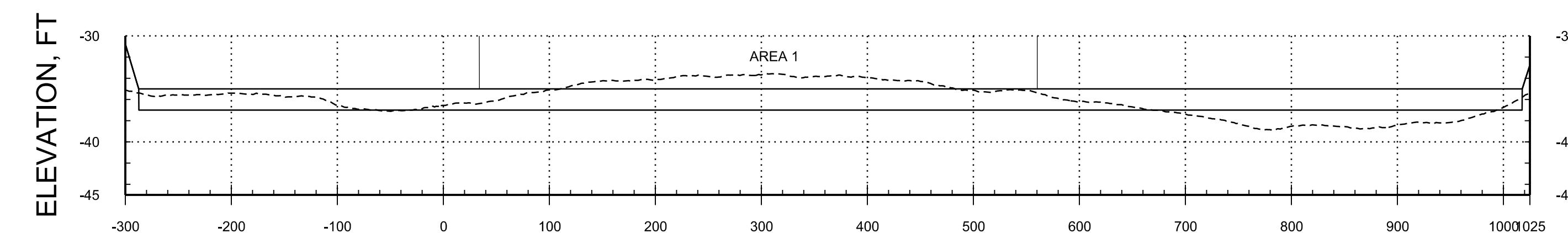
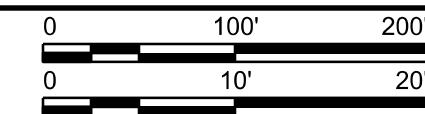
**US Army Corps
of Engineers®**



E9
C-106 E4 STA. 681+00
SCALE: 1"=100' HORIZ., 1"=10' VER

4 SCALE: 1"=100' HORIZ., 1"=10' VER

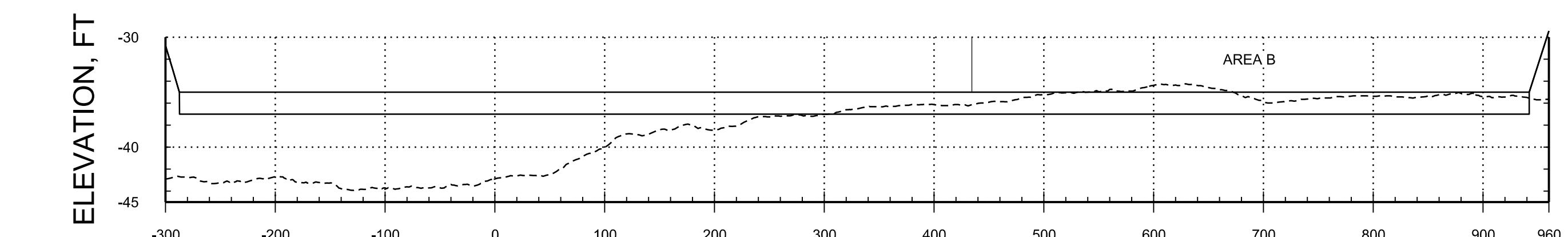
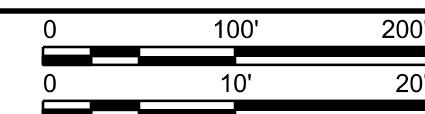
SCALE: 1"=100' HORIZ., 1"=10' VERT.



A circular survey marker with the identifier "C4" in the center. Above the circle, the text "STA. 680+00" is displayed in large letters. Below the circle, the text "SCALE: 1"=100' HORIZ., 1"=10' VER" is written. To the left of the circle, the text "D9" is above "C-106".

4 STA. 680+00

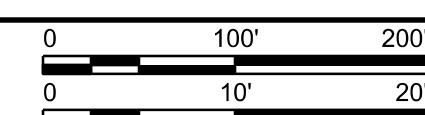
SCALE: 1"=100' HORIZ., 1"=10' VERT.



D9
C-106 **A4** **STA. 678+00**
SCALE: 1"=100' HORIZ., 1"=10' VERT.

STA. 678+00

SCALE: 1"=100' HORIZ., 1"=10' VER



CROSS SECTIONS
STA. 678+00 TO 681+00

**CROSS SECTIONS
STA. 678+00 TO 681+00**

SHEET ID
C-307

1 2 3 4 5 6 7 8 9 10

NOTES

1. ALL SIDE SLOPES ARE 3H:1V

LEGEND

- - - USACE SURVEY OF AUGUST, 2018



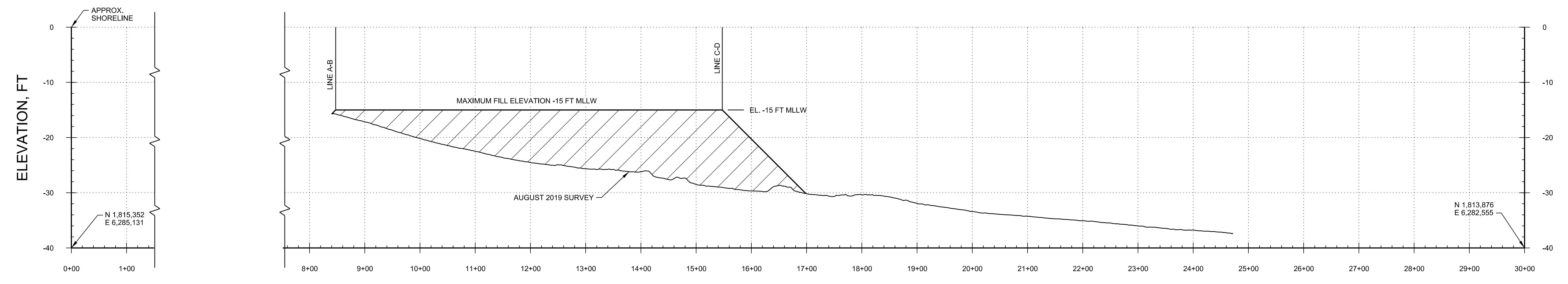
US Army Corps
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DATE
MARK
DESCRIPTION

DESIGNED BY: J.JACKSON	ISSUE DATE: AUGUST 2019
DRAWN BY: J.JACKSON	SOLICITATION NO.: W912P-19-B-0008
CHECKED BY: J.RYAN	CONTRACT NO.:
SUBMITTED BY: D.MESA	FILE NAME: C-018
CAD FILE ANSI D	SIZE: 1129x24308.dwg

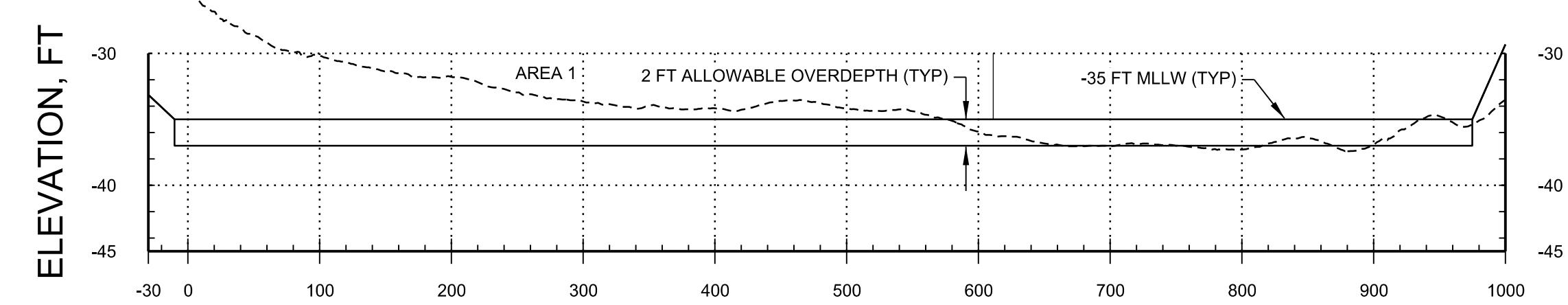
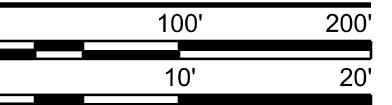
SAN DIEGO COUNTY, CALIFORNIA SOUTH SAN DIEGO HARBOR MAINTENANCE DREDGING LOS ANGELES, CALIFORNIA	CROSS SECTIONS STA. 682+00 AND NEARSHORE PLACEMENT AREA
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SHEET ID C-308



D1 NEARSHORE PLACEMENT AREA

SCALE: 1"=100' HORIZ., 1"=10' VERT.



B4 STA. 682+00

SCALE: 1"=100' HORIZ., 1"=10' VERT.

