CYANOBACTERIA HARMFUL ALGAL BLOOM (CHAB) MAINTENANCE DREDGING

PORT OF STOCKTON

VICINITY MAP



NOTE: BASE MAP PREPARED FROM ESRI, 2014.

TIDE ELEVATIONS (MLLW, NTDE 1983-2001)

MHHW	3.85 FEET
MSL	1.96 FEET
MLLW	0.00 FEET

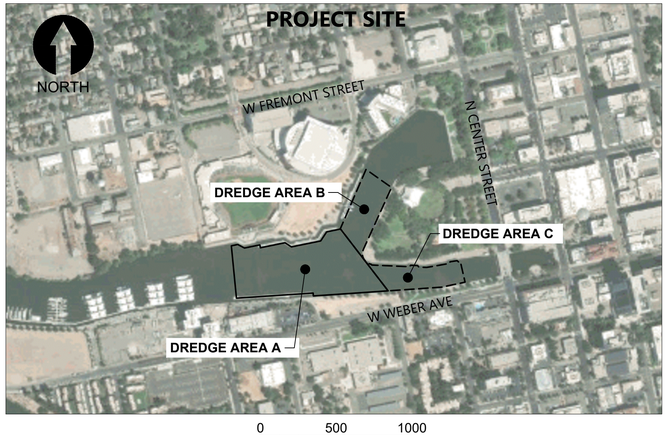
TIDAL ELEVATION INFORMATION WAS TAKEN FROM NOAA TIDAL STATION 9414867, BORDEN HIGHWAY BRIDGE, SAN JOAQUIN RIVER CA

DRAWING INDEX

SHEET #	DRAWING #	TITLE
1	T-1	TITLE SHEET
2	C-1	DREDGE PLAN OVERVIEW
3	C-2	DREDGE CROSS SECTIONS A & B
4	C-3	DREDGE CROSS SECTIONS C & D
5	C-4	ROBERTS ISLAND DREDGED MATERIAL PLACEMENT SITE

ABBREVIATIONS

DMPS	DREDGED MATERIAL PLACEMENT SITE
(E)	EXISTING
EL	ELEVATION
FT	FEET
H	HORIZONTAL
MLLW	MEAN LOWER LOW WATER
NAD83	NORTH AMERICAN DATUM OF 1983
NTDE	NATIONAL TIDAL DATUM EPOCH
TYP.	TYPICAL
V	VERTICAL



NOTES:

1. BATHYMETRIC SURVEY DATA COLLECTED BY WRIGHT MAPPING, INC. ON JUNE 5, 2024. BATHYMETRY AT TIME OF DREDGING MAY DIFFER.
2. HORIZONTAL DATUM: CALIFORNIA STATE PLANE ZONE III, NAD83, US FEET. VERTICAL DATUM: MLLW, US FEET, NTDE 1983-2001.
3. DREDGED MATERIAL SHALL BE DISPOSED OF AT THE PORT OF STOCKTON'S ROBERTS ISLAND DREDGED MATERIAL PLACEMENT SITE (DMPS)
4. CONTRACTOR TO PROVIDE 48-HOUR NOTICE TO THE PORT OR AUTHORIZED REPRESENTATIVE PRIOR TO COMMENCING CONSTRUCTION WORK. DREDGING SHALL NOT START UNTIL THE THE PORT OR AUTHORIZED REPRESENTATIVE APPROVES THE START DATE.
5. THE FOLLOWING CALIFORNIA SPATIAL REFERENCE CENTER (CSRC) / SCRIPPS ORBIT AND PERMANENT ARRAY CENTER (SOPAC) CONTROL REFERENCE STATION COORDINATES WERE USED AS CONTROL FOR THIS SURVEY ON THE WGS84 ELLIPSOID.

Station	Latitude	Longitude	Ellipsoid Height, m
CMOD	N37°38'28.81107"	W120°59'59.93210"	28.067
P230	N37°49'08.26950"	W121°47'11.05519"	647.988
P256	N37°55'55.06864"	W121°36'17.43823"	-30.707
S300	N37°39'59.42393"	W121°33'29.78203"	495.758
SACR	N38°39'17.98138"	W121°21'15.26133"	6.939

6. BATHYMETRIC SURVEY DATA WAS PROVIDED IN NAVD88 AND CONVERTED TO MLLW USING THE FOLLOWING CONVERSION: NAVD88-2.12 FT = MLLW. CONVERSION IS BASED ON SMITH, R., PLS 7198. *SURVEYOR'S REPORT, MLLW DETERMINATION, PORT OF STOCKTON-ROUGH AND READY ISLAND.* TOWILL, INC. CONCORD, CA. CONTRACTOR SHALL NOT RELY ON CONVERSION AND CONTRACTOR'S INDEPENDENT SURVEYOR SHALL FIELD VERIFY.
7. CONTRACTOR IS RESPONSIBLE FOR CLEANING MATERIAL FROM ANY SURFACES, DOCKS, OR PROPERTY AS SOON AS POSSIBLE OR BY THE END OF EACH WORK DAY.

PLAN INTENDED TO BE VIEWED IN COLOR, ADJACENT BLOCK IS "BLUE".

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

ANCHOR QEA

Port of Stockton CALIFORNIA

811 Know what's **below.** **Call** before you dig.

REGISTERED PROFESSIONAL ENGINEER JOHN P. LAPLANTE No. C89157 CIVIL STATE OF CALIFORNIA
Digitally signed by John Laplante
Date: 2026.08.17 07:47:07 -07'00'

REVISIONS

REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: J. ZWIERZ
DRAWN BY: M. PRATSCHNER
CHECKED BY: A. WILLIAMS
APPROVED BY: J. LAPLANTE
SCALE: AS NOTED
DATE: JULY 2026

CYANOBACTERIA HARMFUL ALGAL BLOOM (CHAB) MAINTENANCE DREDGING

TITLE SHEET

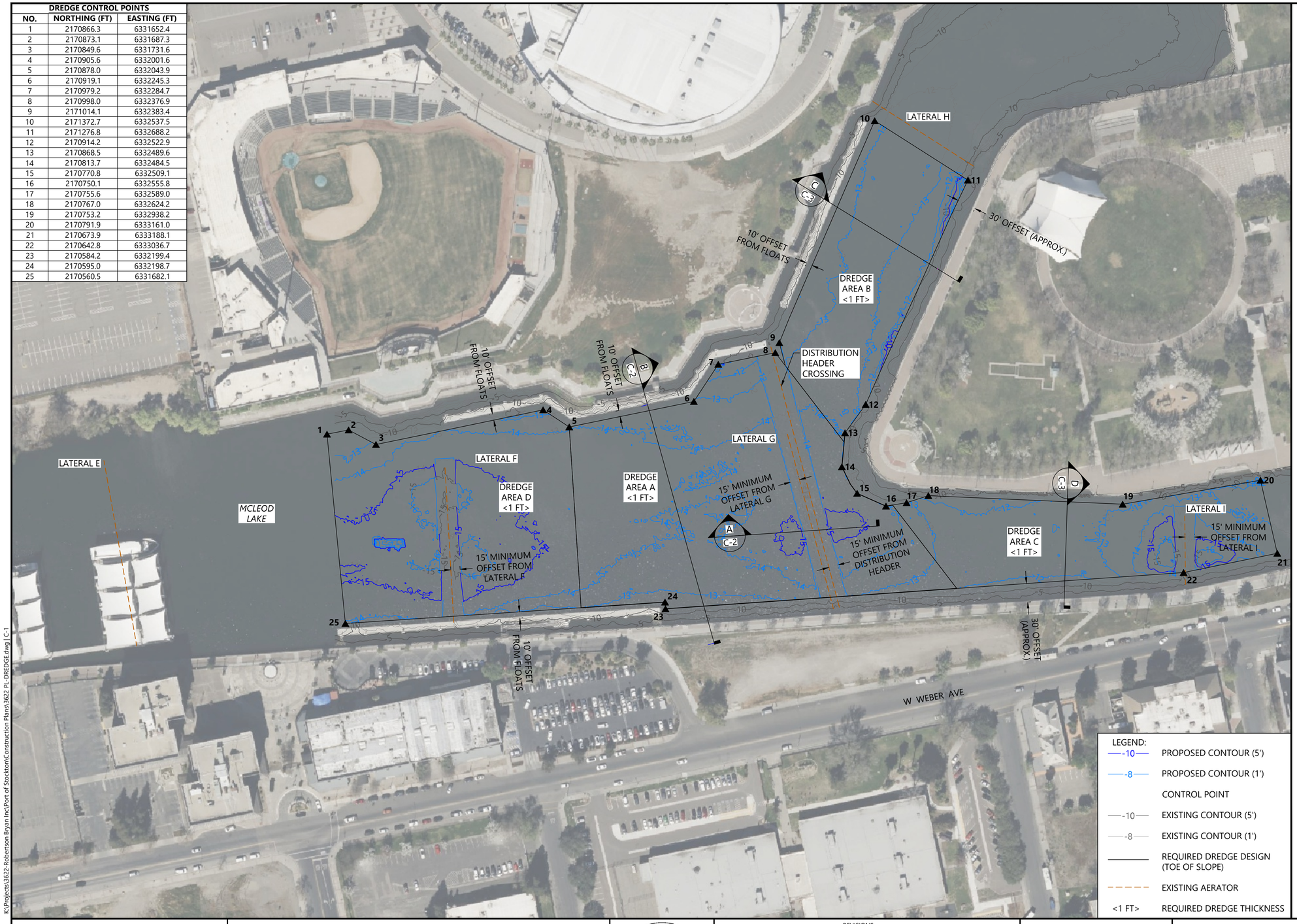
T-1

SHEET # 1 OF 5

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Aug 14, 2026 5:42pm awilliams

DREDGE CONTROL POINTS		
NO.	NORTHING (FT)	EASTING (FT)
1	2170866.3	6331652.4
2	2170873.1	6331687.3
3	2170849.6	6331731.6
4	2170905.6	6332001.6
5	2170878.0	6332043.9
6	2170919.1	6332245.3
7	2170979.2	6332284.7
8	2170998.0	6332376.9
9	2171014.1	6332383.4
10	2171372.7	6332537.5
11	2171276.8	6332688.2
12	2170914.2	6332522.9
13	2170868.5	6332489.6
14	2170813.7	6332484.5
15	2170770.8	6332509.1
16	2170750.1	6332555.8
17	2170755.6	6332589.0
18	2170767.0	6332624.2
19	2170753.2	6332938.2
20	2170791.9	6333161.0
21	2170673.9	6333188.1
22	2170642.8	6333036.7
23	2170584.2	6332199.4
24	2170595.0	6332198.7
25	2170560.5	6331682.1



NOTES:

1. HORIZONTAL DATUM: CALIFORNIA STATE PLANE ZONE III, NAD83, US FEET. VERTICAL DATUM: MLLW, US FEET, NTDE 1983-2001.
2. CONTRACTOR SHALL NOT DIRECTLY DREDGE IN THE SIDE SLOUGH AREA. DREDGE CUTS AT DREDGE AREA BOUNDARIES SHALL BE VERTICAL TO THE REQUIRED CUT THICKNESS. IT IS ESTIMATED THAT VERTICAL CUTS WILL RESULT IN SLOUGH MATERIAL MOVING INTO THE REQUIRED DREDGE AREA THAT WILL REQUIRE REMOVAL TO THE REQUIRED CUT THICKNESS. MATERIAL THAT SLOUGHS FROM THE SIDE SLOPE AREA WILL BE PAID UP TO A MAXIMUM LIMIT OF 3H:1V, AND THE SIDE SLOPE VOLUME ASSOCIATED WITH THE MAXIMUM PAY LIMIT IS INCLUDED IN THE DREDGING BID ITEM QUANTITIES. CONTRACTOR MUST REMOVE ALL SLOUGH MATERIAL FROM THE REQUIRED DREDGE AREA IN ORDER FOR WORK TO BE ACCEPTED BY THE PORT OR AUTHORIZED REPRESENTATIVE.
3. DREDGING OF SEDIMENT OUTSIDE THE DREDGING LIMITS AND/OR BELOW THE NON-PAY OVERDREDGE ALLOWANCE IS DEFINED AS EXCESSIVE DREDGING AND IS PROHIBITED. CONTRACTOR WILL NOT BE PAID FOR EXCESSIVE DREDGING AND WILL BE RESPONSIBLE FOR ANY REGULATORY AGENCY FEES AND/OR FINES INCURRED AS A RESULT OF EXCESSIVE DREDGING. ADDITIONALLY, IF EXCESSIVE DREDGING RESULTS IN DAMAGE OR UNDERMINING TO EXISTING STRUCTURES, THE CONTRACTOR SHALL RECTIFY TO THE PORT OR AUTHORIZED REPRESENTATIVE'S SATISFACTION PRIOR TO CLOSE OF THE CONTRACT.
4. CONTRACTOR SHALL INSPECT PROJECT AREA PRIOR TO MOBILIZATION TO DETERMINE EQUIPMENT ACCESS RESTRICTIONS.
5. THE REQUIRED CUT THICKNESS MUST BE ACHIEVED IN ALL DREDGE AREAS FOR IT TO BE ACCEPTED AS COMPLETE. THE AUTHORIZED REPRESENTATIVE WILL COMPARE THE PRE- AND POST-DREDGE SURVEYS TO ENSURE THAT DREDGED SEDIMENT FROM THESE AREAS IS REMOVED FROM THE SITE.
6. FOR DREDGING ADJACENT TO EXISTING STRUCTURES; INCLUDING CHANNEL WALLS, FLOATS, AND AERATOR SYSTEM COMPONENTS (E.G. LATERALS AND DISTRIBUTION HEADER CROSSINGS); MAINTAIN THE REQUIRED OFFSET INDICATED ON THE DRAWINGS.
7. LOCATIONS OF THE CHANNEL WALLS, FLOATS, AND COMPONENTS OF THE AERATOR SYSTEM AND UTILITIES ARE APPROXIMATE AND CONTRACTOR MUST LOCATE IN THE FIELD PRIOR TO DREDGING. EXISTING INFRASTRUCTURE AND UTILITIES MUST BE PROTECTED IN PLACE.
8. BATHYMETRY COLLECTED ON JUNE 5, 2024 ARE DEPICTED ON DRAWINGS.
9. OFFSET VARIES BY LOCATION. SEE CONTROL POINT TABLE.

NORTH
0 80 160
SCALE IN FEET

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE"

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

K:\Projects\3622-Robertson Bryan Inc\Port of Stockton\Construction Plans\3622 PL-DREDGE.dwg | C-1

Aug 14, 2026 5:43pm awilliams

ANCHOR QEA

Port of Stockton CALIFORNIA

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REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

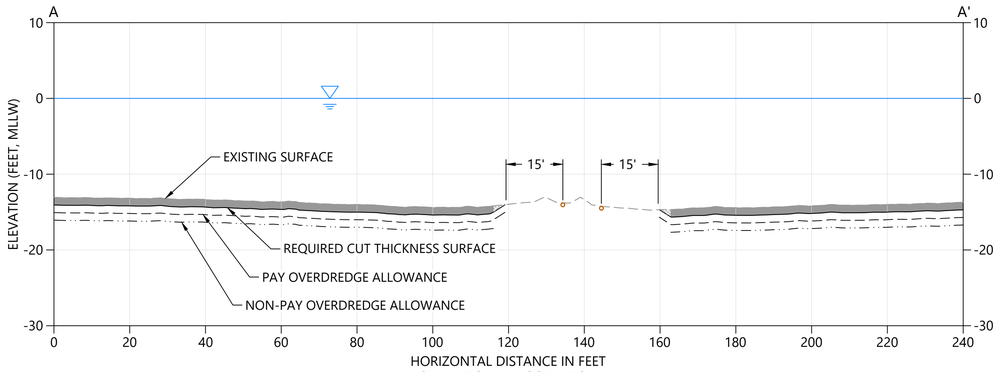
DESIGNED BY: J. ZWIERZ
DRAWN BY: M. PRATSCHNER
CHECKED BY: A. WILLIAMS
APPROVED BY: J. LAPLANTE
SCALE: AS NOTED
DATE: JULY 2026

CYANOBACTERIA HARMFUL ALGAL BLOOM (CHAB) MAINTENANCE DREDGING

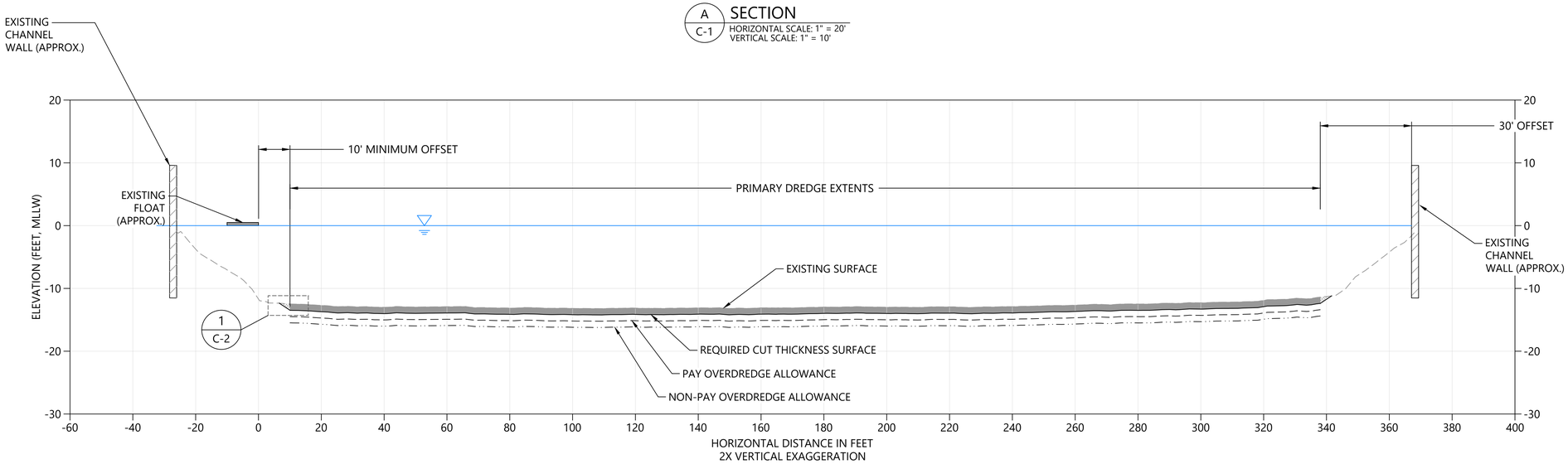
DREDGE PLAN OVERVIEW

C-1

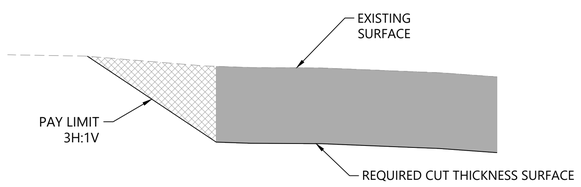
SHEET # 2 OF 5



A / C-1 SECTION
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'



B / C-1 SECTION
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'



1 / C-2 SIDE SLOPE DETAIL
SCALE: NOT TO SCALE

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- NON-PAY OVERDREDGE ALLOWANCE (1 FT MAXUMUM)
- EXISTING SURFACE
- DREDGING AREA
- SIDE SLOPE AREA

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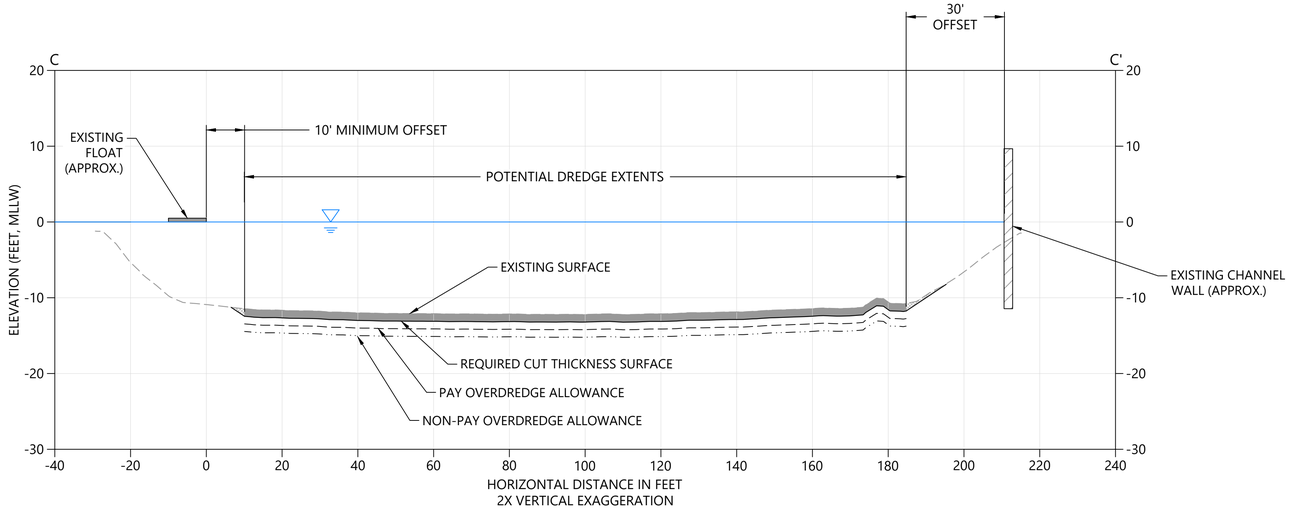
DREDGE CROSS SECTIONS A & B

C-2

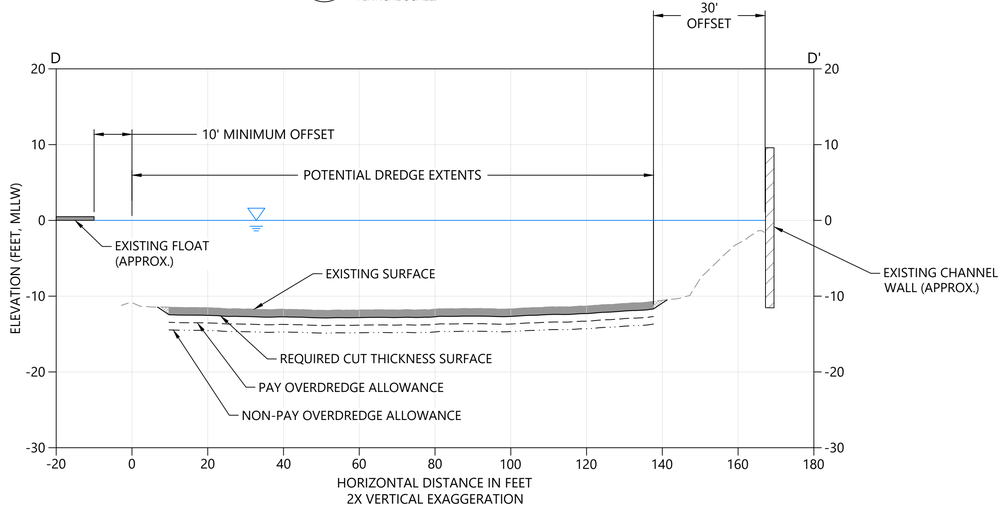
SHEET # 3 OF 5

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Aug 14, 2026 5:43pm awilliams



C / C-1 SECTION
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'



D / C-1 SECTION
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

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10. LOCATIONS OF THE CHANNEL WALLS, FLOATS, AND AERATOR SYSTEM COMPONENTS AND UTILITIES ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY LOCATIONS PRIOR TO DREDGING. EXISTING INFRASTRUCTURE AND UTILITIES MUST BE PROTECTED IN PLACE.
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LEGEND:

- REQUIRED CUT THICKNESS SURFACE (1 FT BELOW EXISTING SURFACE)
- PAY OVERDREDGE ALLOWANCE (1 FT MAXIMUM)
- NON-PAY OVERDREDGE ALLOWANCE (1 FT MAXUMUM)
- EXISTING SURFACE
- DREDGING AREA
- SIDE SLOPE AREA

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE"

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

ANCHOR QEA

Port of Stockton CALIFORNIA

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REGISTERED PROFESSIONAL ENGINEER JOHN P. LAPLANTE No. C89157 CIVIL STATE OF CALIFORNIA
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Date: 2026.08.17 07:47:34 -07'00'

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: J. ZWIERZ
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CHECKED BY: A. WILLIAMS
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CYANOBACTERIA HARMFUL ALGAL BLOOM (CHAB) MAINTENANCE DREDGING

DREDGE CROSS SECTIONS C & D

C-3

SHEET # 4 OF 5

K:\Projects\3622-Robertson Bryan Inc\Port of Stockton\Construction Plans\3622 PL_DREDGE.dwg | C-3

Aug 14, 2026 5:43pm awilliams



LEGEND:

ROBERTS ISLAND DMPS

PLACEMENT AREA

CONSTRUCTION NOTES:

1. HORIZONTAL DATUM: CALIFORNIA STATE PLANE ZONE III, NAD83, US FEET. VERTICAL DATUM: MLLW, US FEET, NTDE 1983-2001.
2. DREDGED SEDIMENT MUST BE PLACED INSIDE OF THE PLACEMENT AREA BOUNDARY. ANY SEDIMENT THAT IS PLACED OUTSIDE OF THE BOUNDARY, WHETHER INTENTIONALLY OR UNINTENTIONALLY, MUST BE IMMEDIATELY REMOVED AND PLACED WITHIN THE BOUNDARY.
3. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING A SITE VISIT PRIOR TO BIDDING TO ASSESS SITE PREPARATION NEEDS BASED ON CURRENT SITE CONDITIONS, INCLUDING EQUIPMENT MOBILIZATION NEEDS AND ACCESS, EXISTING TOPOGRAPHY (NO SURVEY IS AVAILABLE WITH THE BID), ANTICIPATED LAYOUT OF SLURRY PIPELINE (IF SEDIMENT IS PUMPED FROM A BARGE), PERIMETER CONTAINMENT AND INTERIOR BERM MAINTENANCE NEEDS TO CONTAIN SEDIMENT, AND CONSTRUCTION OF WEIRS IF THE CONTRACTOR ANTICIPATES THAT IT WILL BE NECESSARY TO RELEASE EFFLUENT. PRE-BID SITE VISITS SHALL BE COORDINATED WITH THE PORT.
4. BARGE TIE UP LOCATION MUST BE COORDINATED WITH THE PORT.
5. APPROXIMATE LOCATION OF OVERHEAD POWER LINES IS BASED ON AERIAL IMAGERY AND IS SHOWN FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY.

NORTH

0 .25 .50

SCALE IN MILES

PLAN INTENDED TO BE VIEWED IN COLOR, ADJACENT BLOCK IS "BLUE".

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K:\Projects\3622-Robertson Bryan Inc\Port of Stockton\Construction Plans\3622 PL-PLACEMENT.dwg C-4

Aug 14, 2026 5:43pm awilliams

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CYANOBACTERIA HARMFUL ALGAL BLOOM (CHAB) MAINTENANCE DREDGING

ROBERTS ISLAND DREDGED MATERIAL PLACEMENT SITE PLAN OVERVIEW

C-4

SHEET # **5** OF **5**