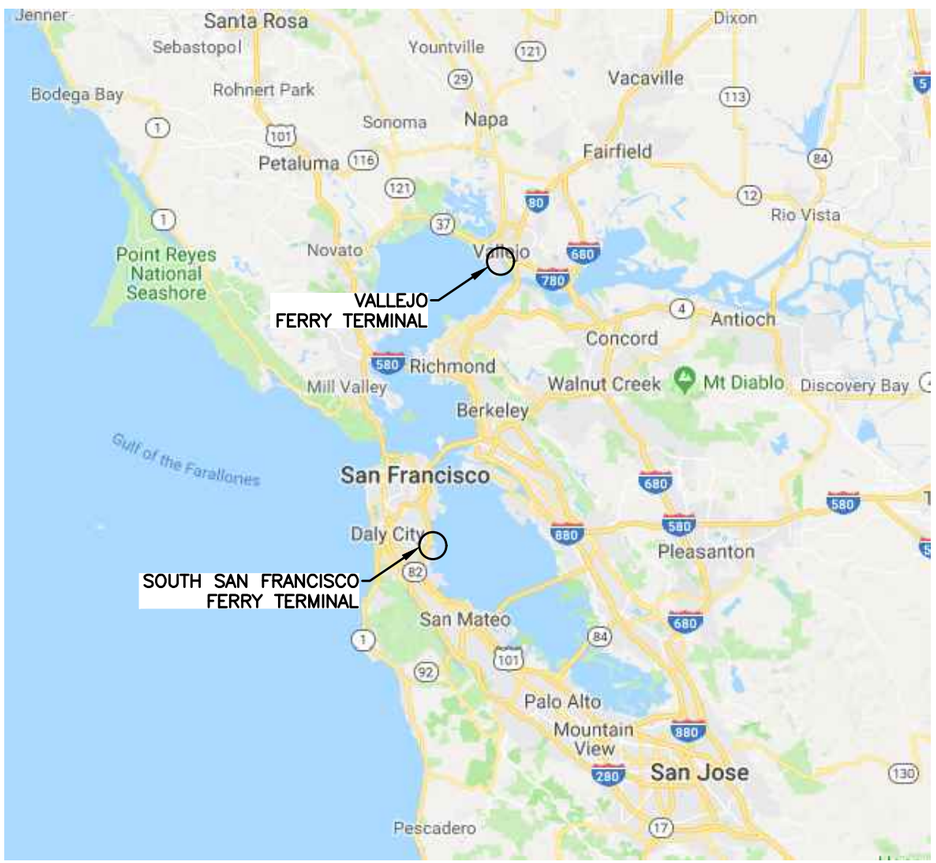
# SAN FRANCISCO BAY AREA
# WATER EMERGENCY TRANSPORTATION AUTHORITY

# TERMINAL DREDGING
# VALLEJO AND SOUTH SAN FRANCISCO
# 2018

## IFB #18-015
## ATTACHMENT E




LOCATION MAP

DRAWING INDEX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San Francisco Bay Ferry
WETA
WATER EMERGENCY TRANSPORTATION AUTHORITY

CONSULTANT

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10 Commercial Blvd | Ste 100 | Novato, CA 94949

SAN FRANCISCO BAY AREA
WETA
TERMINAL DREDGING
VALLEJO AND SOUTH SAN FRANCISCO

2018
IFB #18-015

SEAL AND SIGNATURE

REGISTERED PROFESSIONAL ENGINEER
JOHN A. DE RUGERIS
No. C040313
Exp. 12/31/18
CIVIL
STATE OF CALIFORNIA
6/20/18

REVISIONS

SHEET TITLE
TITLE SHEET, DRAWING INDEX

ISSUANCE
ISSUED FOR BIDDING

SCALE
NTS

DRAWN BY
KGK

CHECKED BY
WR

PROJECT NO
17414.000

DATE
6/18/18

SHEET NUMBER
1

SHEET 1 OF 13

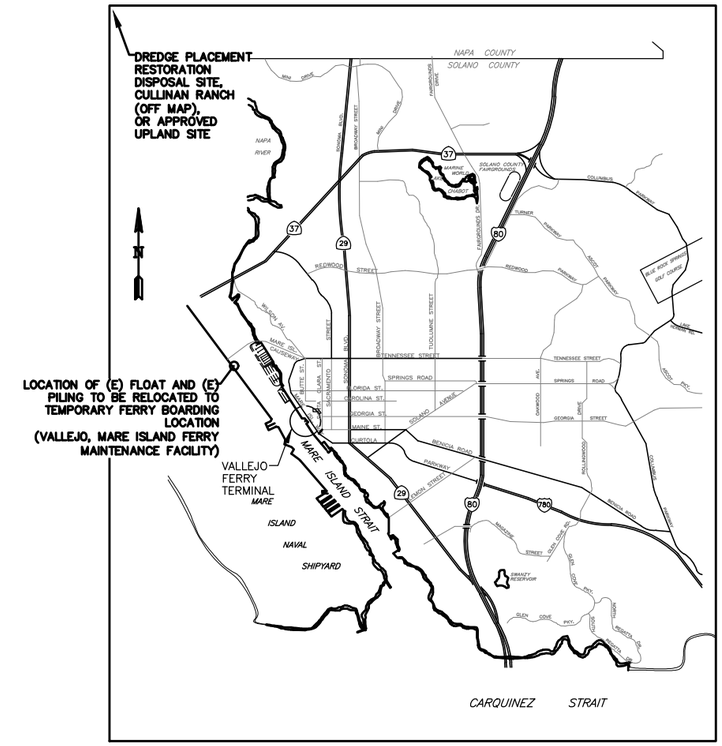
VALLEJO FERRY TERMINAL NOTES

GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS BEFORE BIDDING, AND COMMENCEMENT OF WORK. THE EXACT LOCATION OF THE EXISTING EQUIPMENT, UTILITIES AND CONNECTIONS SHALL BE VERIFIED BY THE CONTRACTOR. LOCATIONS OF EXISTING FACILITIES AND UTILITIES MAY VARY FROM THAT SHOWN ON THE PLANS.
2. CONTRACTOR SHALL USE CAUTION AT ALL EXCAVATIONS TO AVOID DAMAGE TO EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT AT 1 (800) 642-2444 BEFORE COMMENCEMENT OF WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES. THOSE SHOWN REPRESENT THE BEST INFORMATION AVAILABLE TO THE CITY OF VALLEJO AT THE TIME OF PREPARATION OF THESE PLANS. NO GUARANTEE IS MADE AS TO THE ACCURACY OF THIS INFORMATION. REPAIR ALL DAMAGED UTILITIES TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO WETA.
3. CONTRACTOR SHALL SUBMIT PEDESTRIAN AND TRAFFIC CONTROL PLANS FOR ALL CONSTRUCTION TO THE CITY OF VALLEJO AND WETA FOR APPROVAL BEFORE COMMENCEMENT OF WORK. CONTRACTOR SHALL MAINTAIN FULL ACCESS TO ALL PARKING, BOATING AND COMMERCIAL USES IN THE AREA AT ALL TIMES. PROVIDE BARRICADES, SIGNS FOR ALL WORK SITES. ANY MODIFICATION TO PEDESTRIAN AREAS FOR CONSTRUCTION SHALL BE FENCED WITH SIX FOOT HIGH CHAIN LINK FENCE DURING CONSTRUCTION.
4. CONTRACTOR SHALL SUBMIT A PROJECT SCHEDULE AND PROPOSED PLAN OF OPERATIONS TO THE ENGINEER FOR APPROVAL BEFORE COMMENCEMENT OF WORK. PROJECT SCHEDULE SHALL INCLUDE PLANNED SEQUENCE OF WORK AND PHASING OF INDIVIDUAL WORK ITEMS.
5. CONTRACTOR SHALL PROTECT ALL FACILITIES, BUILDINGS, LANDSCAPING, PUBLIC AND PRIVATE PROPERTY FROM DAMAGE DUE TO THE CONTRACTOR'S OPERATIONS. REPAIR ALL DAMAGED FACILITIES, BUILDINGS, LANDSCAPING, PUBLIC AND PRIVATE PROPERTY TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO WETA.
6. CONTRACTOR SHALL HAVE ALL REQUIRED EQUIPMENT AND MATERIALS ON SITE BEFORE COMMENCEMENT OF RESPECTIVE WORK ITEMS.
7. ALL ELEVATIONS SHOWN OR REFERRED TO ON THESE MAINTENANCE DREDGING SAN FRANCISCO BAY FERRY TERMINAL DRAWINGS ARE BASED ON MEAN LOWER LOW WATER (MLLW) DATUM.
8. COPIES OF THE ORIGINAL CONSTRUCTION DRAWINGS FOR THE FERRY TERMINAL DOCK AND GANGWAY FACILITY ARE AVAILABLE FOR THE CONTRACTOR'S REFERENCE WHILE PLANNING AND ACCOMPLISHING THE WORK REQUIRED BY THE MAINTENANCE DREDGING, SAN FRANCISCO BAY FERRY TERMINAL PROJECT. THE REFERENCE DRAWINGS REPRESENT THE BEST INFORMATION AVAILABLE TO WETA FOR EXISTING FERRY TERMINAL BOARDING FACILITY IMPROVEMENTS. THE CONTRACTOR SHALL EXERCISE CAUTION WHILE USING THESE REFERENCE DRAWINGS, AND SHALL FIELD VERIFY ALL CONDITIONS PRIOR TO START OF WORK, AND THROUGHOUT THE COURSE OF THE CONTRACTOR'S WORK. NO GUARANTEE IS EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE REFERENCE DRAWINGS.
9. COPIES OF THE MOST RECENT SEDIMENT SAMPLING DATA ARE AVAILABLE FROM WETA FOR THE CONTRACTOR'S REFERENCE UPON REQUEST.
10. ALL PILE INSTALLATION/REMOVAL SHALL BE PERFORMED WITH A VIBRATORY HAMMER.

VALLEJO FERRY TERMINAL VOLUME

| AREA (±ACRES) | PROJECT DEPTH (FT, MLLW) | PROJECT DEPTH VOLUME (±CY) | OVER-DEPTH VOLUME (±CY) | TOTAL VOLUME (±CY) |
|---|---|---|---|---|
| 1.05 | -15 | 5550 | 720 | 6270 |




VALLEJO FERRY VICINITY MAP

VALLEJO PERMITS:

USACE PERMIT # 2015-0082S
BCDC PERMIT # 1986.020.09
CAWQCB CERT. # 720576

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2018
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REGISTERED PROFESSIONAL ENGINEER
JOHN A. DE RUGERIS
No. C040313
Exp. 12/31/18
CIVIL
STATE OF CALIFORNIA
6/20/18

REVISIONS

SHEET TITLE
VALLEJO FERRY TERMINAL NOTES, VICINTY MAP, VOLUMES, & PERMITS

ISSUANCE
ISSUED FOR BIDDING

SCALE
NTS

DRAWN BY
KGK

CHECKED BY
WR

PROJECT NO
17414.000

DATE
6/18/18

SHEET NUMBER
2

SHEET 2 OF 13

PROPOSED SEQUENCE OF WORK:

CONTRACTOR SHALL SUBMIT A SEQUENCE OF WORK TO WETA FOR REVIEW. THE CONTRACTOR SHALL BASE THE SEQUENCE OF WORK ON THE FOLLOWING PROPOSED SEQUENCE OF WORK, AND SHALL INCLUDE ALL NECESSARY ITEMS, DETAILS AND ORDER OF WORK WHETHER OR NOT LISTED HEREIN OR IN THE SPECIFICATIONS.

1. SET UP PROJECT COMMUNICATION PROTOCOL WITH SAN FRANCISCO BAY FERRY OPERATIONS STAFF. ENSURE DAILY COMMUNICATIONS BETWEEN CONTRACTOR AND FERRY OPERATIONS MANAGER REGARDING ALL ASPECTS OF THE PROJECT WORK.
2. SUBMIT ALL REQUIRED SHOP DRAWINGS, RIGGING PLANS, DREDGE OPERATIONS PLAN, SEQUENCE OF WORK, ETC. TO WETA FOR REVIEW.
3. CONTRACTOR SHALL BUILD NEW PORTAL/GATE ASSEMBLY FOR TEMPORARY BOARDING GANGWAY. CONTRACTOR SHALL MAKE THE TEMPORARY FLOAT READY FOR SERVICE BY INSTALLING PILE HOOPS, GUIDES, SPACERS, AND FENDERING AND REMOVE TEMPORARY FENDERING AND GANGWAY AT MARE ISLAND FERRY MAINTENANCE FACILITY. ALL STRUCTURES MUST BE RESTORED UPON RETURN OF THE TEMPORARY FLOAT TO THE MARE ISLAND FERRY MAINTENANCE FACILITY, INCLUDING THE MOORING, THE FLOAT, AND REDELIVERING THE PILINGS TO A WETA DESIGNATED LOCATION.
4. INSTALL TEMPORARY PASSENGER LOADING FLOAT, PILINGS, GANGWAY, GATE AND RAILING STRUCTURES, AND UTILITIES SYSTEM FOR TEMPORARY BOARDING FACILITY.
5. COORDINATE WITH WETA FOR INSPECTION OF TEMPORARY BOARDING FACILITY READINESS FOR PLACEMENT INTO SERVICE. OBTAIN WETA AUTHORIZATION TO BEGIN WORK ON REMOVAL OF PERMANENT BOARDING FACILITY BEFORE CLOSING OFF EXISTING GANGWAY AND RELOCATION OF FLOAT SECTION.
6. AFTER WETA APPROVAL OF TEMPORARY BOARDING FACILITY, DISCONNECT AND CAP ALL EXISTING UTILITY LINES TO BOTH ENDS OF THE EXISTING PERMANENT BOARDING GANGWAY.
7. DOCUMENT AND FIELD MARK EXACT POSITION OF MOORING CHAINS AND HARDWARE PRIOR TO REMOVAL TO ALLOW PROPER REPLACEMENT AND ANCHORAGE OF FACILITY. LOCATE ANCHOR PILINGS AND DISCONNECT CHAINS. MARK LOCATIONS WITH A VERTICAL STICK THAT IS EXPOSED ABOVE THE HIGH TIDE LEVEL.
8. TEMPORARILY SUPPORT EXISTING PERMANENT BOARDING GANGWAY USING A BRIDGE BEAM TO SUPPORT THE FLOAT END OF THE GANGWAY AT THE TWO EXISTING GANGWAY SUPPORT PILINGS. GANGWAY TO BE REMOVED TO SHIPYARD OR CONTRACTOR'S FACILITY FOR WORK.
9. DISCONNECT & REMOVE EXISTING PERMANENT BOARDING FLOAT AND TRANSPORT TO SHIPYARD FOR REPAIR AND MAINTENANCE. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY THEIR OPERATIONS DURING REMOVAL AND TRANSPORTATION OF THE FLOAT FACILITY. UPON DISCONNECTION, THE FLOAT SHALL BE DELIVERED TO THE NORTH BAY OPERATIONS AND MAINTENANCE FACILITY FOR TWO WORKING DAYS TO ALLOW FOR DE-BALLASTING AND OTHER WORK.
10. REMOVE BOARDING DOCK MOORING CHAINS, SHACKLES AND OTHER ATTACHMENT HARDWARE. STORE ALL MOORING HARDWARE ON CONTRACTOR-SUPPLIED BARGE UNTIL DISPOSAL AND/OR REINSTALLATION. WETA TO INSPECT CONDITION OF HARDWARE AND CHAIN BEFORE DISPOSAL AND/OR REINSTALLATION BY CONTRACTOR.
11. COMMENCE DREDGING PROJECT AS ALLOWED IN, AND IN ACCORDANCE WITH, APPROVED SEQUENCE OF WORK, PROJECT SCHEDULE AND REGULATORY PERMITS. COMPLETE DREDGING OF PERMANENT BOARDING AREA OF FERRY TERMINAL.
12. TRANSPORT REFURBISHED BOARDING FLOAT AND GANGWAY FROM SHIPYARD TO SAN FRANCISCO BAY FERRY, MARE ISLAND FERRY MAINTENANCE FACILITY FOR MOORING UNTIL REINSTALLATION. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY HIS OPERATIONS DURING TRANSPORTATION AND REINSTALLATION. WETA WILL RE-BALLAST THE FLOAT AND MAKE IT READY FOR SERVICE- THIS WORK WILL TAKE TWO WORKING DAYS.
13. INSTALL PERMANENT BOARDING FACILITY AND RECONNECT UTILITIES TO PERMANENT GANGWAY AND BOARDING DOCK, AND VERIFY PROPER OPERATION. ONCE THE FLOAT IS RETURNED TO ITS PERMANENT LOCATION, THE CONTRACTOR SHALL PROVIDE WETA ACCESS TO THE FLOAT IN ORDER TO ADJUST BALLAST TO THE REQUIRED FREEBOARDS PRIOR TO RESUMPTION OF PASSENGER SERVICE AT THE PERMANENT FLOAT.
14. COORDINATE WITH WETA FOR INSPECTION OF REINSTALLED PERMANENT BOARDING FACILITY READINESS TO BE PLACED INTO SERVICE. PERMANENT FACILITY MUST BE IN SERVICE BEFORE TAKING TEMPORARY BOARDING FACILITY OUT OF SERVICE.
15. OBTAIN WETA AUTHORIZATION TO BEGIN WORK ON REMOVAL OF TEMPORARY BOARDING FACILITY BEFORE DISMANTLING AND RELOCATION.
16. REMOVE TEMPORARY BOARDING DOCK, GANGWAY, PILINGS, RAIL & GATE STRUCTURE, TEMPORARY ELECTRICAL SYSTEM, ETC. TRANSPORT DOCK, GANGWAY, PILINGS, TEMPORARY ELECTRICAL CONDUCTORS, ETC. TO SAN FRANCISCO BAY FERRY, MARE ISLAND FERRY MAINTENANCE FACILITY FOR FUTURE RE USE.
17. REPLACE AND REPAIR RAILING AT SEAWALL IN VICINITY OF TEMPORARY BOARDING AREA.
18. PROJECT CLOSE-OUT.

SURVEY NOTES:

1. RESULTS OF HYDROGRAPHY FROM SURVEY CONDUCTED BY FOTH-CLE ENGINEERING OF NOVATO, CA ON 03/02/18.
2. SOUNDINGS ARE IN FEET AND TENTHS, AND REFER TO DEPTHS BELOW MEAN LOWER LOW WATER (MLLW) BASED ON A 10'x10' GRID SHOWING AVERAGE VALUES.
3. BENCHMARK IS REFERENCED IN THE USACE RED BOOK AS THE VERTICAL CONTROL POINT FOR MARE ISLAND STRAIGHT AS MONUMENT GROTTO (ELEV. 9.20' MLLW) REFERENCED TO NGVD 1988 DATUM AND WAS NOT INDEPENDENTLY VERIFIED. COORDINATES ARE BASED ON THE CALIFORNIA STATE PLANE COORDINATE SYSTEM.
4. THE INFORMATION DEPICTED ON THIS PLAN REPRESENTS THE RESULTS OF HYDROGRAPHIC SURVEYS PERFORMED ON THE DATES SHOWN, AND CAN ONLY BE CONSIDERED AS INDICATING THE SEABED CONDITIONS AT THAT TIME. INTERPOLATED INFORMATION FROM BETWEEN SOUNDING RUNS IS NOT GUARANTEED. SHOALS, OBSTRUCTIONS OR OTHER DIFFERING CONDITIONS MAY EXIST BETWEEN THESE RUNS. NO SURVEYS WERE CONDUCTED TO LOCATE PROPERTY LINES, CHANNEL LIMITS, EASEMENTS, UTILITIES, GEOTECHNICAL FEATURES, SHORELINES, STRUCTURES, HABITATS OR ANY OTHER PHYSICAL FEATURES RELATING TO THE PROJECT SITE, NOR DOES CLE WARRANT THE EXISTENCE OR LOCATION OF SAID PHYSICAL FEATURES.
5. POSSESSION AND USE OF THE MATERIAL CONTAINED ON THESE DRAWINGS IS GRANTED ONLY IN CONNECTION WITH ITS USE AS IT RELATES TO THE TITLED PROJECT, ANY OTHER USE, REPRODUCTION OR DISCLOSURE OF THE INFORMATION CONTAINED HEREON IS EXPRESSLY PROHIBITED WITHOUT THE WRITTEN CONSENT OF FOTH-CLE ENGINEERING
6. PLAN REFERENCE: VALLEJO FERRY TERMINAL SITE FEATURES PROVIDED BY THE CITY OF VALLEJO AND HAVE NOT BEEN INDEPENDENTLY CONFIRMED.
7. SURVEY WAS PERFORMED UTILIZING A KONGSBERG EM3002 240KHZ MULTI-BEAM SYSTEM WITH A CODA F180 FOR HEADING AND MOTION. SURVEYS WERE PROCESSED IN HYPACK 2012.

VERTICAL DATUM

1. PROJECT ELEVATION BASED ON MLLW
2. PROJECT CONTROL POINT:

| ELEVATION | DESCRIPTION |
|---|---|
| 9.2' | MONUMENT GROTTO |

HORIZONTAL DATUM

PROJECT COORDINATES ARE BASED ON THE CALIFORNIA STATE PLANE COORDINATE SYSTEM NAD 1983, ZONE 3

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SAN FRANCISCO BAY AREA
WETA
TERMINAL DREDGING
VALLEJO AND SOUTH SAN FRANCISCO

2018
IFB #18-015

SEAL AND SIGNATURE

REGISTERED PROFESSIONAL ENGINEER
JOHN A. DE RUGERIS
No. C040313
Exp. 12/31/18
CIVIL
STATE OF CALIFORNIA

REVISIONS

SHEET TITLE
VALLEJO FERRY TERMINAL NOTES CONTINUED

ISSUANCE
ISSUED FOR BIDDING

SCALE
NTS

DRAWN BY
KGK

CHECKED BY
WR

PROJECT NO
17414.000

DATE
6/18/18

SHEET NUMBER
3

SHEET 3 OF 13

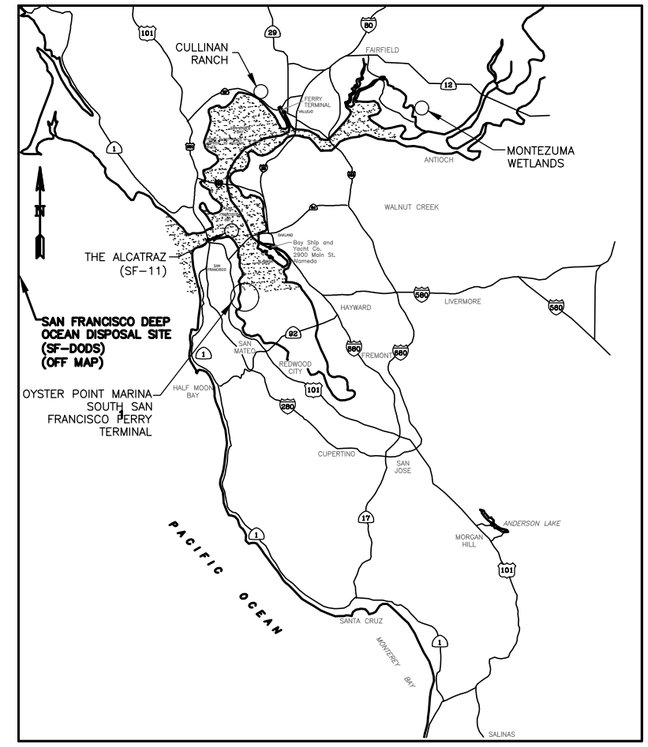
SOUTH SAN FRANCISCO FERRY TERMINAL NOTES

GENERAL NOTES:

1. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR FURNISHING, INSTALLING, AND MAINTAINING ALL WARNING SIGNS AND DEVICES NECESSARY TO SAFEGUARD THE GENERAL PUBLIC AND THE WORK, AND FOR PROVIDING PROPER AND SAFE ROUTING OF THE BOATING VEHICULAR AND PEDESTRIAN TRAFFIC DURING THE PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO WORKING HOURS. THE USE OF FLAGGERS, BARRICADES, AND CONSTRUCTION SIGNING SHALL COMPLY WITH THE WATER EMERGENCY TRANSPORTATION AUTHORITY'S SPECIFICATION AS DESCRIBED IN THE CONTRACT DOCUMENTS; AND BUOYS, LIGHTS, OR OTHER NAVIGATION AIDS SHALL COMPLY WITH THE U.S. COAST GUARD REQUIREMENT.
2. ANY OTHER FEATURES THAT ARE DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AND/PR REPLACED AT THE CONTRACTOR;S EXPENSE, TO THE SATISFACTION OF THE OWNER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITY SERVICES WITHIN THE PROJECT BOUNDARY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL DAMAGE INCURRED TO UTILITIES, TO THE SATISFACTION OF THE OWNER.
4. THE CONTRACTOR SHALL PROVIDE TO THE OWNER'S REPRESENTATIVE WORK SCHEDULES FOR COORDINATION OF BOAT MOVEMENT WITHIN LIMITS OF PROJECT. THE OWNER'S REPRESENTATIVE WILL BE RESPONSIBLE FOR TIMELY NOTIFICATION OF THE TENANTS AND MOVEMENT OF THE BOATS.
5. CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS BEFORE BIDDING, AND COMMENCEMENT OF WORK. THE EXACT LOCATION OF THE EXISTING EQUIPMENT, UTILITIES AND CONNECTIONS SHALL BE VERIFIED BY THE CONTRACTOR. LOCATIONS OF EXISTING FACILITIES AND UTILITIES MAY VARY FROM THAT SHOWN ON THE PLANS.
6. CONTRACTOR SHALL USE CAUTION AT ALL EXCAVATIONS TO AVOID DAMAGE TO EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT AT 1 (800) 642-2444 BEFORE COMMENCEMENT OF WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES. THOSE SHOWN REPRESENT THE BEST INFORMATION AVAILABLE TO THE CITY OF VALLEJO AT THE TIME OF PREPARATION OF THESE PLANS. NO GUARANTEE IS MADE AS TO THE ACCURACY OF THIS INFORMATION. REPAIR ALL DAMAGED UTILITIES TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO WETA.
7. CONTRACTOR SHALL SUBMIT A PROJECT SCHEDULE AND PROPOSED PLAN OF OPERATIONS TO THE ENGINEER FOR APPROVAL BEFORE COMMENCEMENT OF WORK. PROJECT SCHEDULE SHALL INCLUDE PLANNED SEQUENCE OF WORK AND PHASING OF INDIVIDUAL WORK ITEMS.
8. CONTRACTOR SHALL PROTECT ALL FACILITIES, BUILDINGS, LANDSCAPING, PUBLIC AND PRIVATE PROPERTY FROM DAMAGE DUE TO THE CONTRACTOR'S OPERATIONS. REPAIR ALL DAMAGED FACILITIES, BUILDINGS, LANDSCAPING, PUBLIC AND PRIVATE PROPERTY TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO WETA.
9. CONTRACTOR SHALL HAVE ALL REQUIRED EQUIPMENT AND MATERIALS ON SITE BEFORE COMMENCEMENT OF RESPECTIVE WORK ITEMS.
10. ALL ELEVATIONS SHOWN OR REFERRED TO ON THESE MAINTENANCE DREDGING SAN FRANCISCO BAY FERRY TERMINAL DRAWINGS ARE BASED ON MEAN LOWER LOW WATER (MLLW) DATUM.
11. COPIES OF THE MOST RECENT SEDIMENT SAMPLING DATA ARE AVAILABLE FROM WETA FOR THE CONTRACTOR'S REFERENCE UPON REQUEST.
12. ALL PILE INSTALLATION/REMOVAL SHALL BE PERFORMED WITH A VIBRATORY HAMMER.

SOUTH SAN FRANCISCO FERRY TERMINAL VOLUME

| SUBAREA | AREA (±SF) | PROJECT DEPTH (FT, MLLW) | VOLUME (±CY) | 2' OD VOLUME (±CY) | TOTAL VOLUME (±CY) |
|---|---|---|---|---|---|
| 1 | 291,586 | -10 | 16,546 | 16,761 | 33,307 |
| 2 | 22,194 | -12 | 1,670 | 1,325 | 2,995 |
| **TOTAL** | **313,780** | | **18,216** | **18,086** | **36,302** |




SOUTH SAN FRANCISCO FERRY VICINITY MAP

SOUTH SAN FRANCISCO PERMITS:

USACE PERMIT # 2008-00097S
BCDC PERMIT # 1-08
CAWQCB CERT. # 729895

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SHEET TITLE
SOUTH SAN FRANCISCO FERRY TERMINAL
NOTES, VICINTY MAP, VOLUMES, & PERMITS

ISSUANCE
ISSUED FOR BIDDING

SCALE
NTS

DRAWN BY
KGK

CHECKED BY
WR

PROJECT NO
17414.000

DATE
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SHEET NUMBER
4

SHEET 4 OF 13

PROPOSED SEQUENCE OF WORK:

CONTRACTOR SHALL SUBMIT A SEQUENCE OF WORK TO WETA FOR REVIEW. THE CONTRACTOR SHALL BASE THE SEQUENCE OF WORK ON THE FOLLOWING PROPOSED SEQUENCE OF WORK, AND SHALL INCLUDE ALL NECESSARY ITEMS, DETAILS AND ORDER OF WORK WHETHER OR NOT LISTED HEREIN OR IN THE SPECIFICATIONS.

1. SET UP PROJECT COMMUNICATION PROTOCOL WITH SAN FRANCISCO BAY FERRY OPERATIONS STAFF. ENSURE DAILY COMMUNICATIONS BETWEEN CONTRACTOR AND FERRY OPERATIONS MANAGER REGARDING ALL ASPECTS OF THE PROJECT WORK.
2. SUBMIT ALL REQUIRED SHOP DRAWINGS, RIGGING PLANS, DREDGE OPERATIONS PLAN, SEQUENCE OF WORK, ETC. TO WETA FOR REVIEW.
3. REPLACE AND REPAIR RAILING AT SEAWALL IN VICINITY OF TEMPORARY BOARDING AREA.
4. PROJECT CLOSE-OUT.

SURVEY NOTES:

1. RESULTS OF HYDROGRAPHY FROM SURVEY CONDUCTED BY CLE ENGINEERING, INC. OF NOVATO, CA ON 03/08/2018.
2. DATA IS IN MEAN LOWER LOW WATER (MLLW) BASED ON AVERAGE VALUES ON A 4'X4' GRID.
3. COORDINATES ARE BASED ON THE CALIFORNIA STATE PLANE COORDINATE SYSTEM, ZONE 3.
4. BENCHMARK IS MAG NAIL LOCATED APPROXIMATELY 2068895.114 USN, 6016332.087 USE AT 30.66' MLLW.
5. INFORMATION DEPICTED ON PLAN REPRESENTS THE RESULTS OF HYDROGRAPHIC SURVEYS PERFORMED ON THE DATE LISTED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE SEABED CONDITIONS AT THAT TIME. INTERPOLATED INFORMATION FROM BETWEEN SOUNDING RUNS IS NOT GUARANTEED. SHOALS, OBSTRUCTIONS OR OTHER DIFFERING CONDITIONS MAY EXIST BETWEEN THESE RUNS. NO SURVEYS WERE CONDUCTED TO LOCATE PROPERTY LINES, CHANNEL LIMITS, EASEMENTS, UTILITIES, GEOTECHNICAL FEATURES, SHORELINES, STRUCTURES, HABITATS OR ANY OTHER PHYSICAL FEATURES RELATING TO THE PROJECT SITE, NOR DOES FOTH-CLE WARRANT THE EXISTENCE OR LOCATION OF SAID PHYSICAL FEATURES.

VERTICAL DATUM

1. PROJECT ELEVATION BASED ON MLLW
2. PROJECT CONTROL POINT:

| NORTHING | EASTING | ELEVATION | DESCRIPTION |
|---|---|---|---|
| 2068895.114 | 6016332.087 | 30.66' | MAG NAIL |

HORIZONTAL DATUM

PROJECT COORDINATES ARE BASED ON
THE CALIFORNIA STATE PLANE
COORDINATE SYSTEM NAD 1983, ZONE 3

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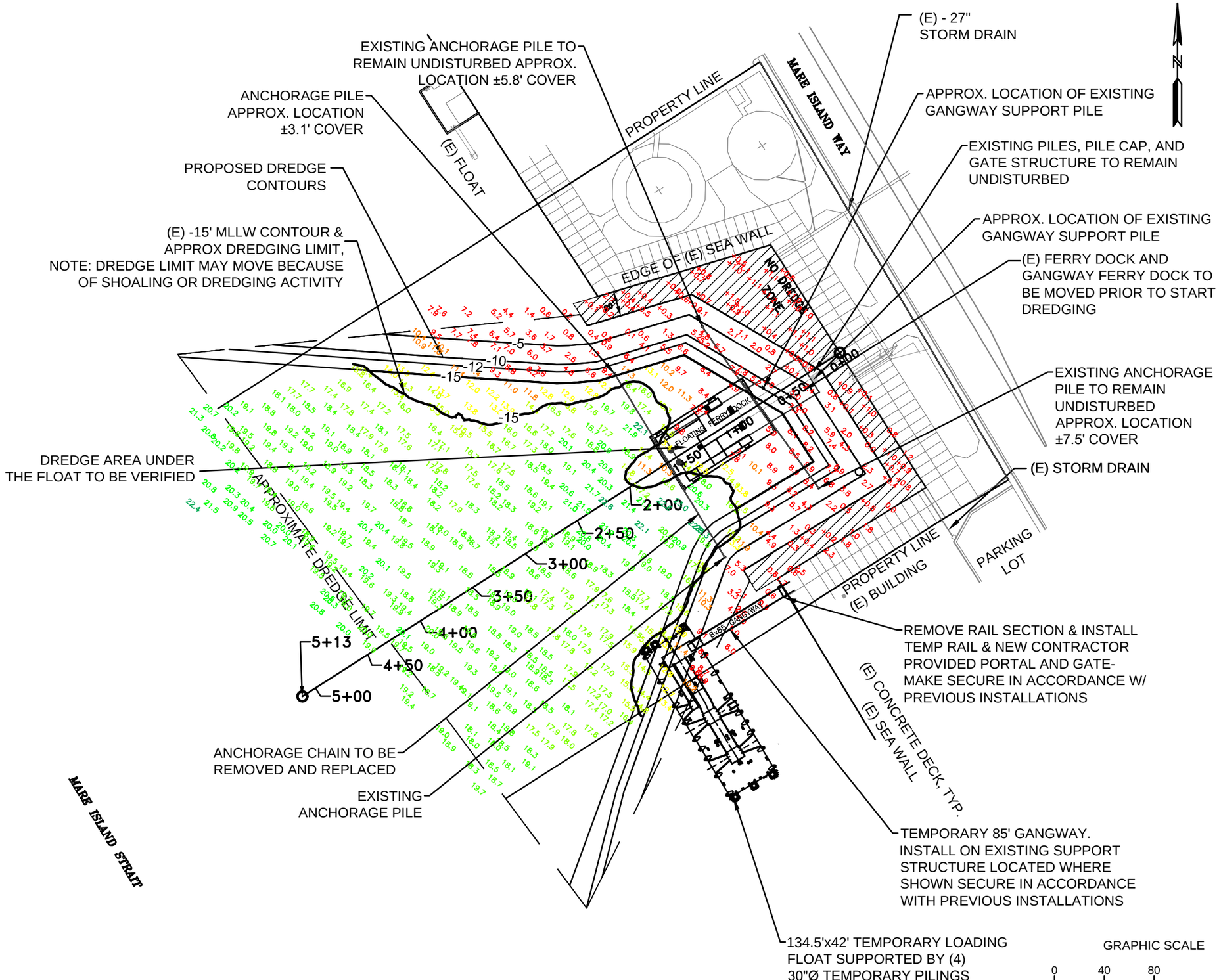
5

SHEET 5 OF 13




PERMITTED DREDGE AREA

GRAPHIC SCALE

0 40 80 160

(IN FEET)

1 INCH = 80 FEET

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San Francisco Bay Ferry
WETA
WATER EMERGENCY TRANSPORTATION AUTHORITY

CONSULTANT

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SAN FRANCISCO BAY AREA
WETA
TERMINAL DREDGING
VALLEJO AND SOUTH SAN FRANCISCO

2018
IFB #18-015

SEAL AND SIGNATURE

REGISTERED PROFESSIONAL ENGINEER
JOHN A. DE RUGERIS
No. C040313
Exp. 12/31/18
CIVIL
STATE OF CALIFORNIA

REVISIONS

SHEET TITLE
VALLEJO FERRY TERMINAL SITE PLAN

ISSUANCE
ISSUED FOR BIDDING

SCALE
NOTED

DRAWN BY
KGK

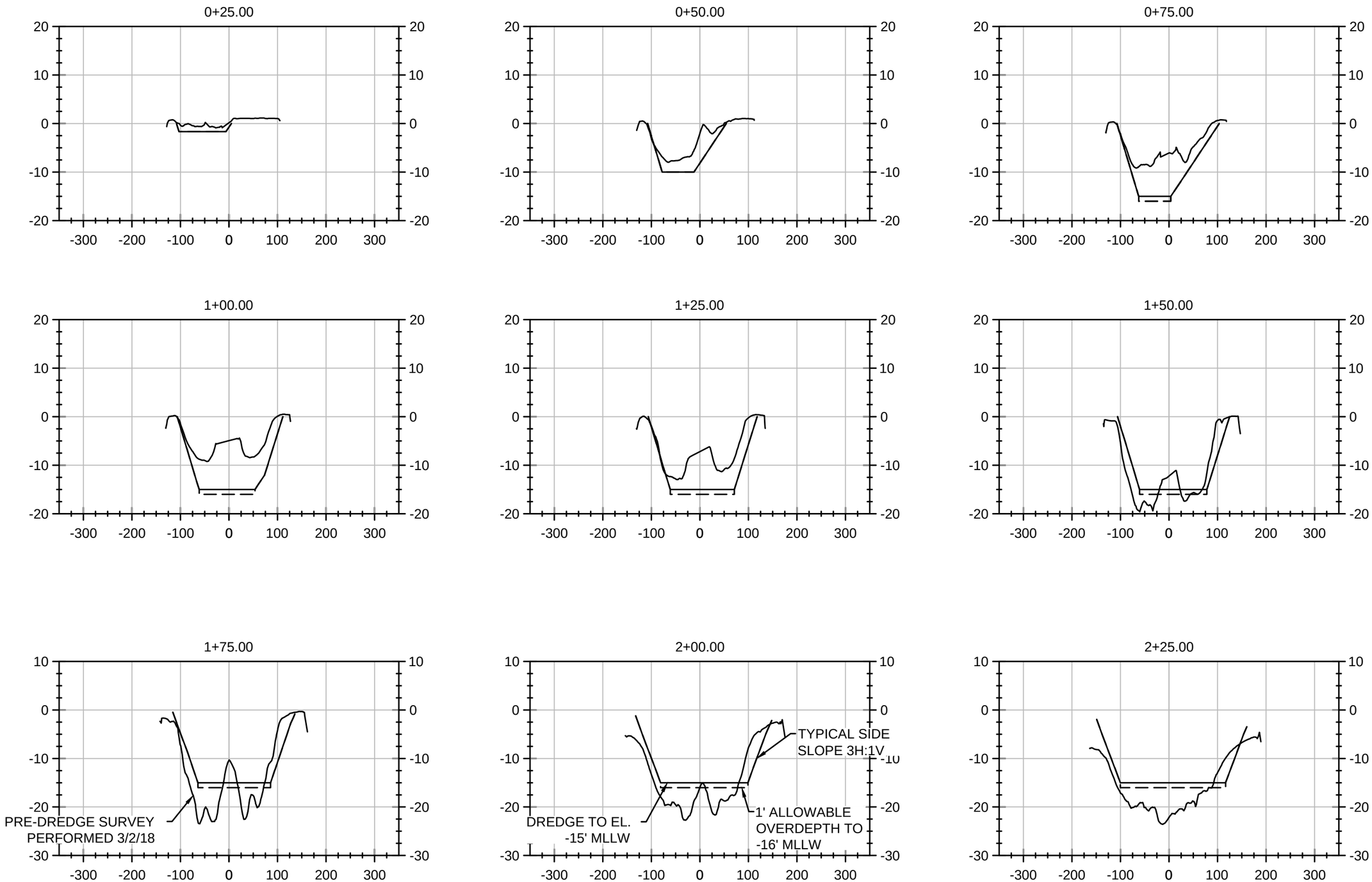
CHECKED BY
WR

PROJECT NO
17414.000

DATE
6/18/18

SHEET NUMBER
6

SHEET 6 OF 13

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SAN FRANCISCO BAY AREA
WETA
TERMINAL DREDGING
VALLEJO AND SOUTH SAN FRANCISCO

2018
IFB #18-015

SEAL AND SIGNATURE

REGISTERED PROFESSIONAL ENGINEER
JOHN A. DE RUGERIS
No. C040313
Exp. 12/31/18
CIVIL
STATE OF CALIFORNIA
6/20/18

REVISIONS

SHEET TITLE
VALLEJO FERRY TERMINAL
PRE-DREDGE SECTIONS

ISSUANCE
ISSUED FOR BIDDING

SCALE
NOTED

DRAWN BY
KGK

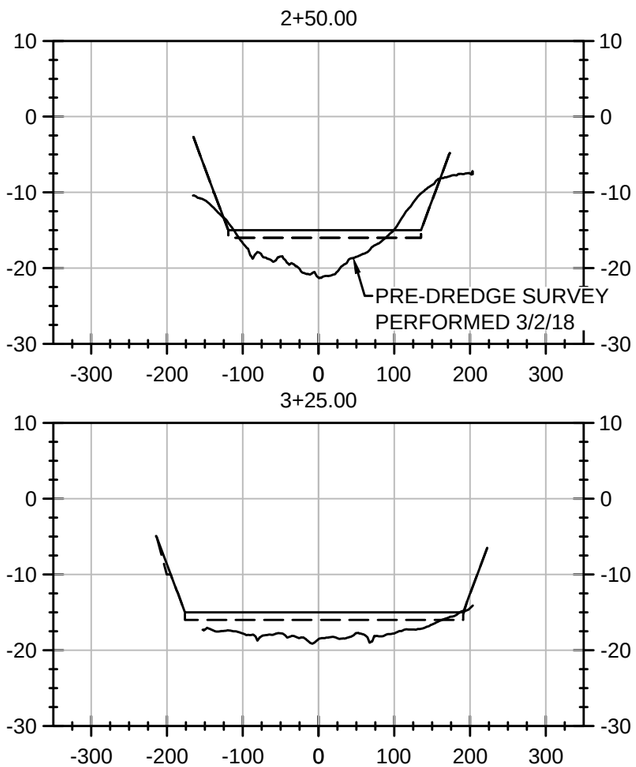
CHECKED BY
WR

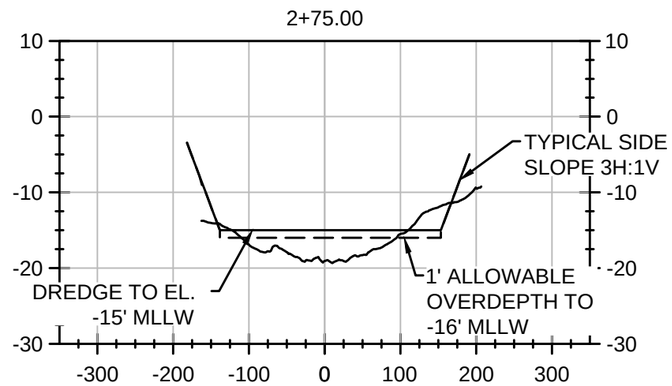
PROJECT NO
17414.000

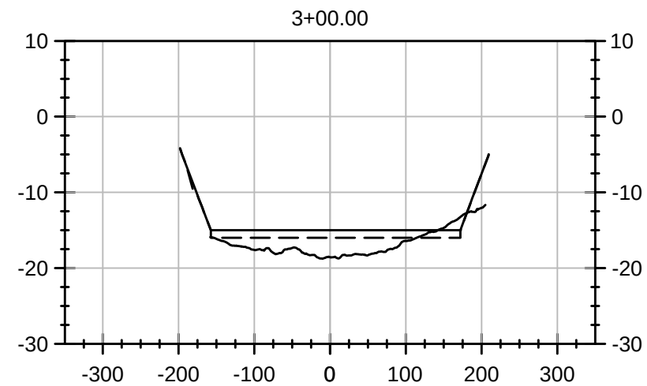
DATE
6/18/18

SHEET NUMBER
7

SHEET 7 OF 13

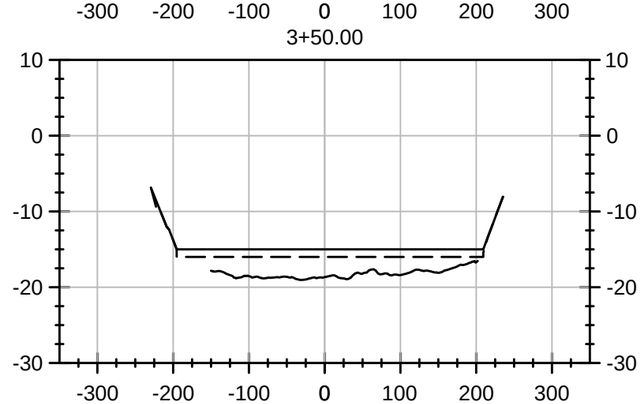


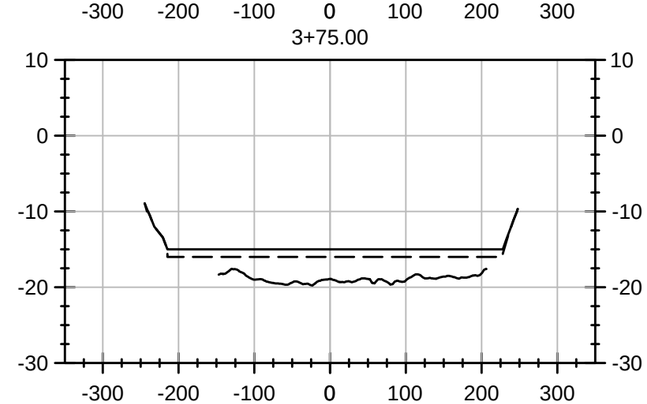



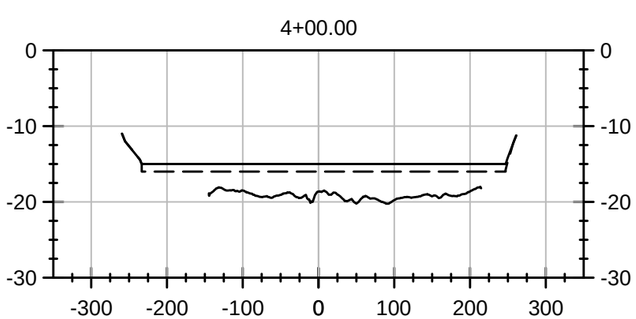



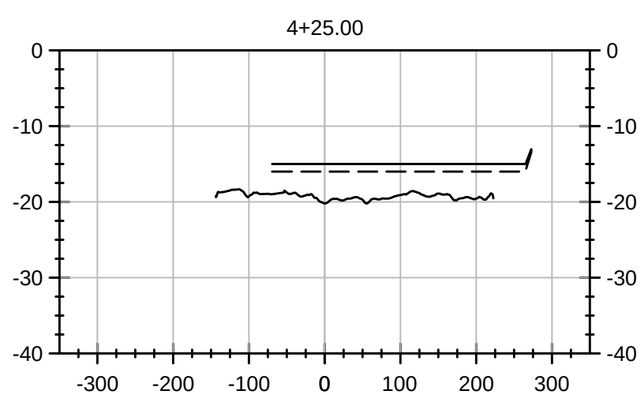


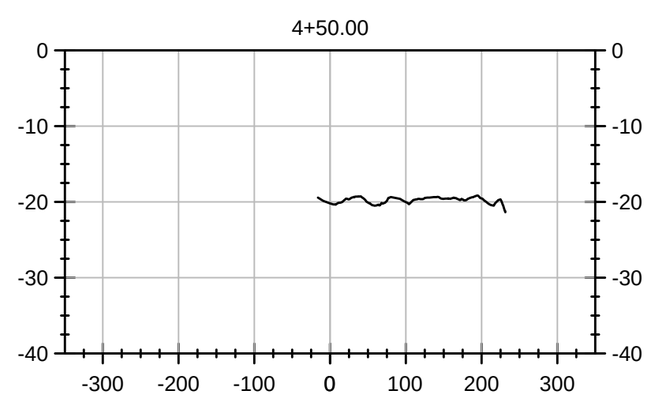





HORIZONTAL SCALE: 1 INCH = 200 FEET

VERITCAL SCALE: 1 INCH = 20 FEET

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SAN FRANCISCO BAY AREA
WETA
TERMINAL DREDGING
VALLEJO AND SOUTH SAN FRANCISCO

2018
IFB #18-015

SEAL AND SIGNATURE

REGISTERED PROFESSIONAL ENGINEER
JOHN A. DE RUGERIS
No. C040313
Exp. 12/31/18
CIVIL
STATE OF CALIFORNIA

REVISIONS

SHEET TITLE
VALLEJO FERRY TERMINAL
PRE-DREDGE SECTIONS

ISSUANCE
ISSUED FOR BIDDING

SCALE
NOTED

DRAWN BY
KGK

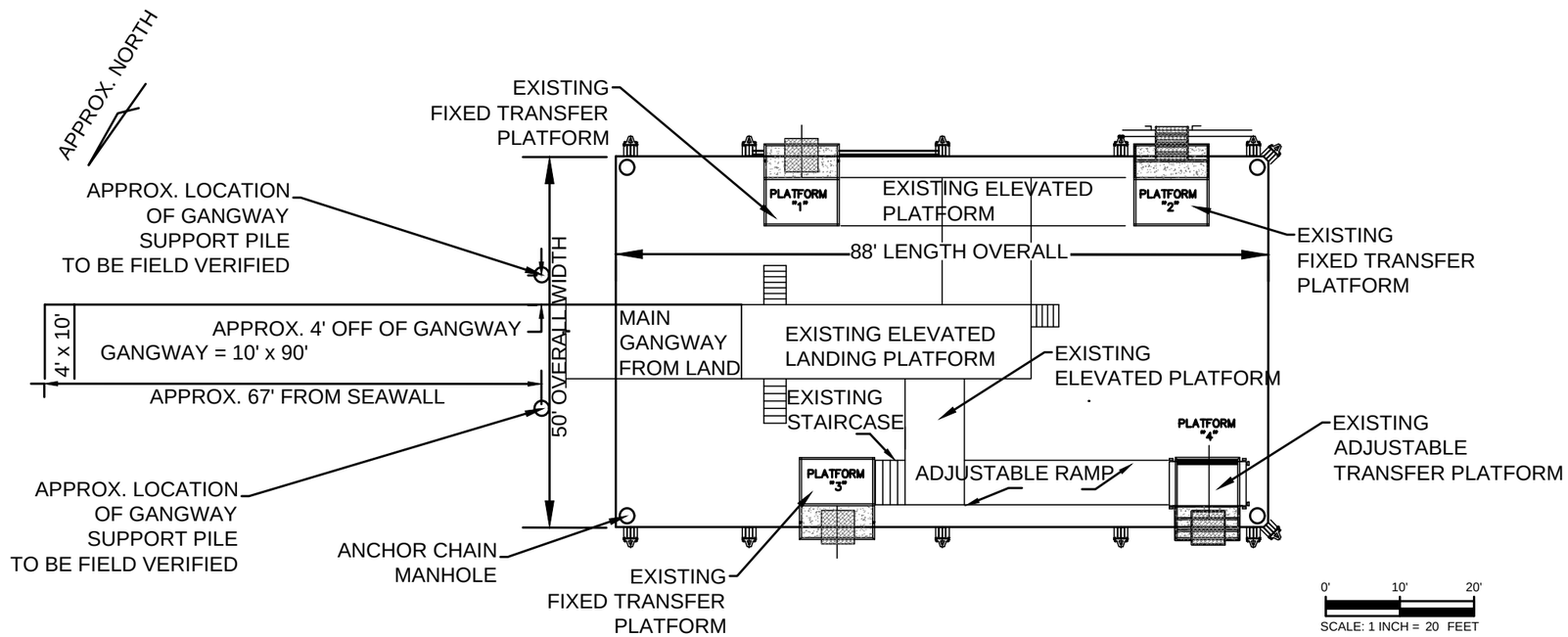
CHECKED BY
WR

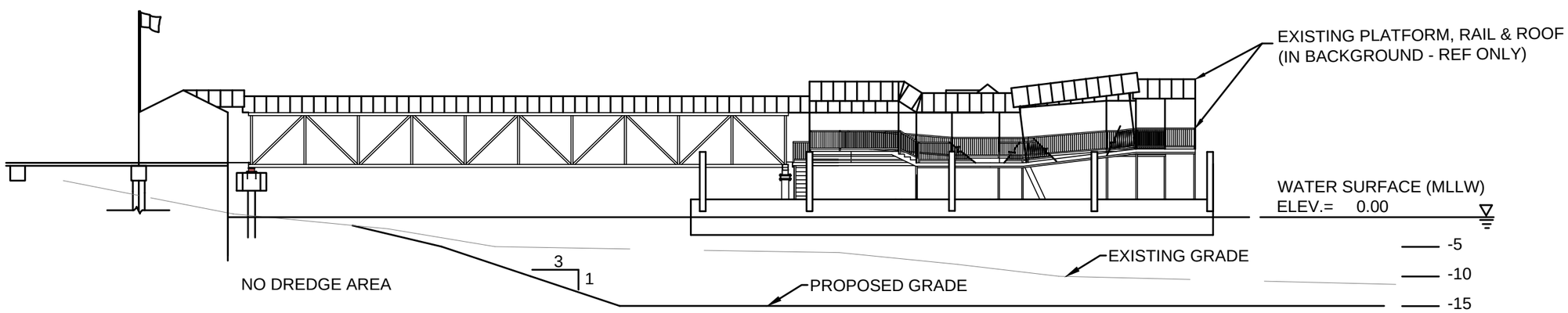
PROJECT NO
17414.000

DATE
6/18/18

SHEET NUMBER
8

SHEET 8 OF 13




FLOAT PLATFORM ELEVATION

SCALE: 1" = 20'

0' 10' 20'
SCALE: 1 INCH = 20 FEET

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TERMINAL DREDGING
VALLEJO AND SOUTH SAN FRANCISCO

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JOHN A. DE RUGERIS
No. C040313
Exp. 12/31/18
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6/20/18

REVISIONS

SHEET TITLE
VALLEJO FERRY TERMINAL
GENERAL ARRANGEMENT
PLANS & ELEVATIONS

ISSUANCE
ISSUED FOR BIDDING

SCALE
NOTED

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KGK

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WR

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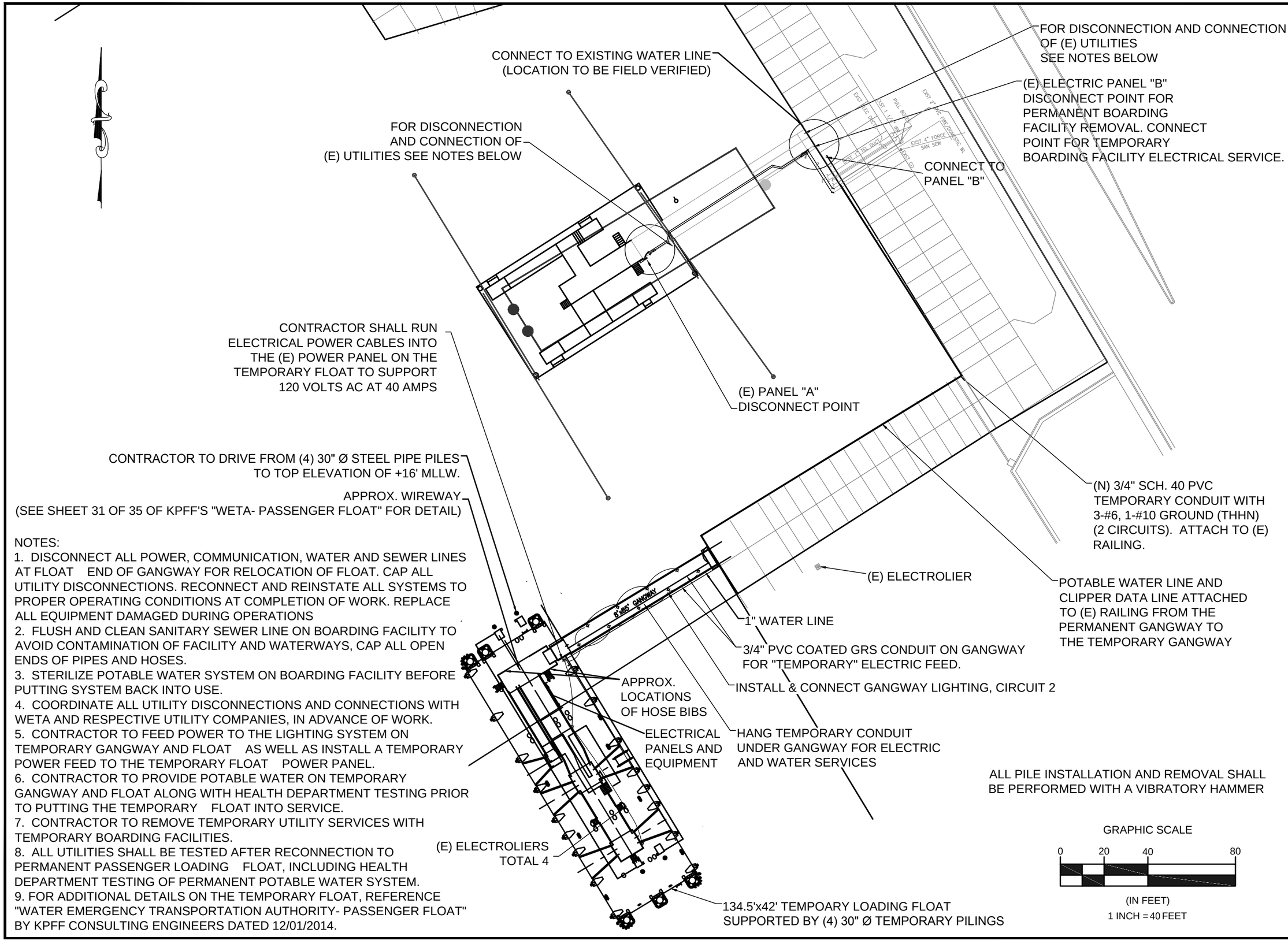
17414.000

DATE
6/18/18

SHEET NUMBER
9

SHEET 9 OF 13




NOTES:

1. DISCONNECT ALL POWER, COMMUNICATION, WATER AND SEWER LINES AT FLOAT END OF GANGWAY FOR RELOCATION OF FLOAT. CAP ALL UTILITY DISCONNECTIONS. RECONNECT AND REINSTATE ALL SYSTEMS TO PROPER OPERATING CONDITIONS AT COMPLETION OF WORK. REPLACE ALL EQUIPMENT DAMAGED DURING OPERATIONS
2. FLUSH AND CLEAN SANITARY SEWER LINE ON BOARDING FACILITY TO AVOID CONTAMINATION OF FACILITY AND WATERWAYS, CAP ALL OPEN ENDS OF PIPES AND HOSES.
3. STERILIZE POTABLE WATER SYSTEM ON BOARDING FACILITY BEFORE PUTTING SYSTEM BACK INTO USE.
4. COORDINATE ALL UTILITY DISCONNECTIONS AND CONNECTIONS WITH WETA AND RESPECTIVE UTILITY COMPANIES, IN ADVANCE OF WORK.
5. CONTRACTOR TO FEED POWER TO THE LIGHTING SYSTEM ON TEMPORARY GANGWAY AND FLOAT AS WELL AS INSTALL A TEMPORARY POWER FEED TO THE TEMPORARY FLOAT POWER PANEL.
6. CONTRACTOR TO PROVIDE POTABLE WATER ON TEMPORARY GANGWAY AND FLOAT ALONG WITH HEALTH DEPARTMENT TESTING PRIOR TO PUTTING THE TEMPORARY FLOAT INTO SERVICE.
7. CONTRACTOR TO REMOVE TEMPORARY UTILITY SERVICES WITH TEMPORARY BOARDING FACILITIES.
8. ALL UTILITIES SHALL BE TESTED AFTER RECONNECTION TO PERMANENT PASSENGER LOADING FLOAT, INCLUDING HEALTH DEPARTMENT TESTING OF PERMANENT POTABLE WATER SYSTEM.
9. FOR ADDITIONAL DETAILS ON THE TEMPORARY FLOAT, REFERENCE "WATER EMERGENCY TRANSPORTATION AUTHORITY- PASSENGER FLOAT" BY KPFF CONSULTING ENGINEERS DATED 12/01/2014.

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SAN FRANCISCO BAY AREA
WETA
TERMINAL DREDGING
VALLEJO AND SOUTH SAN FRANCISCO

2018
IFB #18-015

SEAL AND SIGNATURE

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No. C040313
Exp. 12/31/18
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STATE OF CALIFORNIA

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SHEET TITLE
VALLEJO FERRY TERMINAL
UTILITIES PLAN

ISSUANCE
ISSUED FOR BIDDING

SCALE
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KGK

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WR

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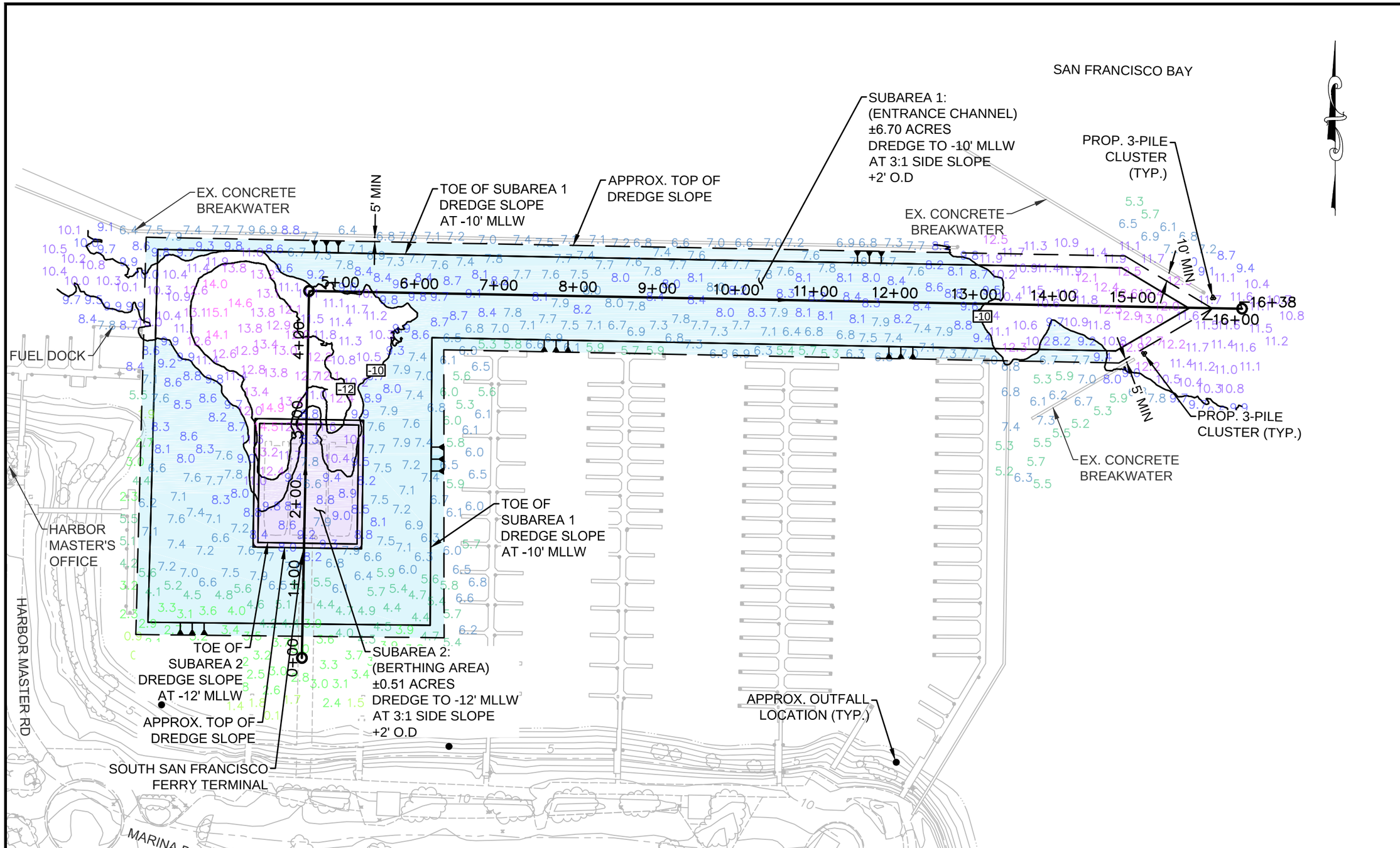
DATE
6/18/18

SHEET NUMBER
10

SHEET 10 OF 13




SPECIAL CONDITIONS AND RESTRICTIONS PERTAINING TO WORK

CONTRACTOR SHALL NOT INTERFERE WITH FERRY OPERATIONS OF THE SOUTH SAN FRANCISCO FERRY. THE SOUTH SAN FRANCISCO FERRY SERVICE OPERATES FIVE DAYS A WEEK, MONDAY-FRIDAY. FERRY OPERATING HOURS IN THE OYSTER POINT MARINA ARE APPROXIMATELY 7:10AM TO 9:15AM AND 4:00PM TO 7:15PM WEEKDAYS. ALL CONTRACTOR EQUIPMENT SHALL BE CLEAR OF THE FERRY TERMINAL FACILITIES AND APPROACHES TO ALLOW UNINTERRUPTED FERRY SERVICE. TEMPORARY MOORING OF DREDGING EQUIPMENT ON THE EAST SIDE OF THE FERRY LANDING MAY BE ALLOWED PROVIDED IT DOES NOT INTERFERE WITH FERRY OPERATION TO THE WEST FERRY LANDING OR BLOCK MARINA BERTHS. THE SOUTH SAN FRANCISCO BAY OPERATIONS MANAGER WILL PROVIDE A MORE DETAILED SCHEDULE OF FERRY BOAT ARRIVALS AND DEPARTURES.

GRAPHIC SCALE

0 60 120 240

(IN FEET)
1 INCH =120FEET

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SAN FRANCISCO BAY AREA
WETA
TERMINAL DREDGING
VALLEJO AND SOUTH SAN FRANCISCO

2018
IFB #18-015

SEAL AND SIGNATURE

REGISTERED PROFESSIONAL ENGINEER
JOHN A. DE RUGERIS
No. C040313
Exp. 12/31/18
CIVIL
STATE OF CALIFORNIA

REVISIONS

SHEET TITLE
SOUTH SAN FRANCISCO FERRY TERMINAL
SITE PLAN

ISSUANCE
ISSUED FOR BIDDING

SCALE
NOTED

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KGK

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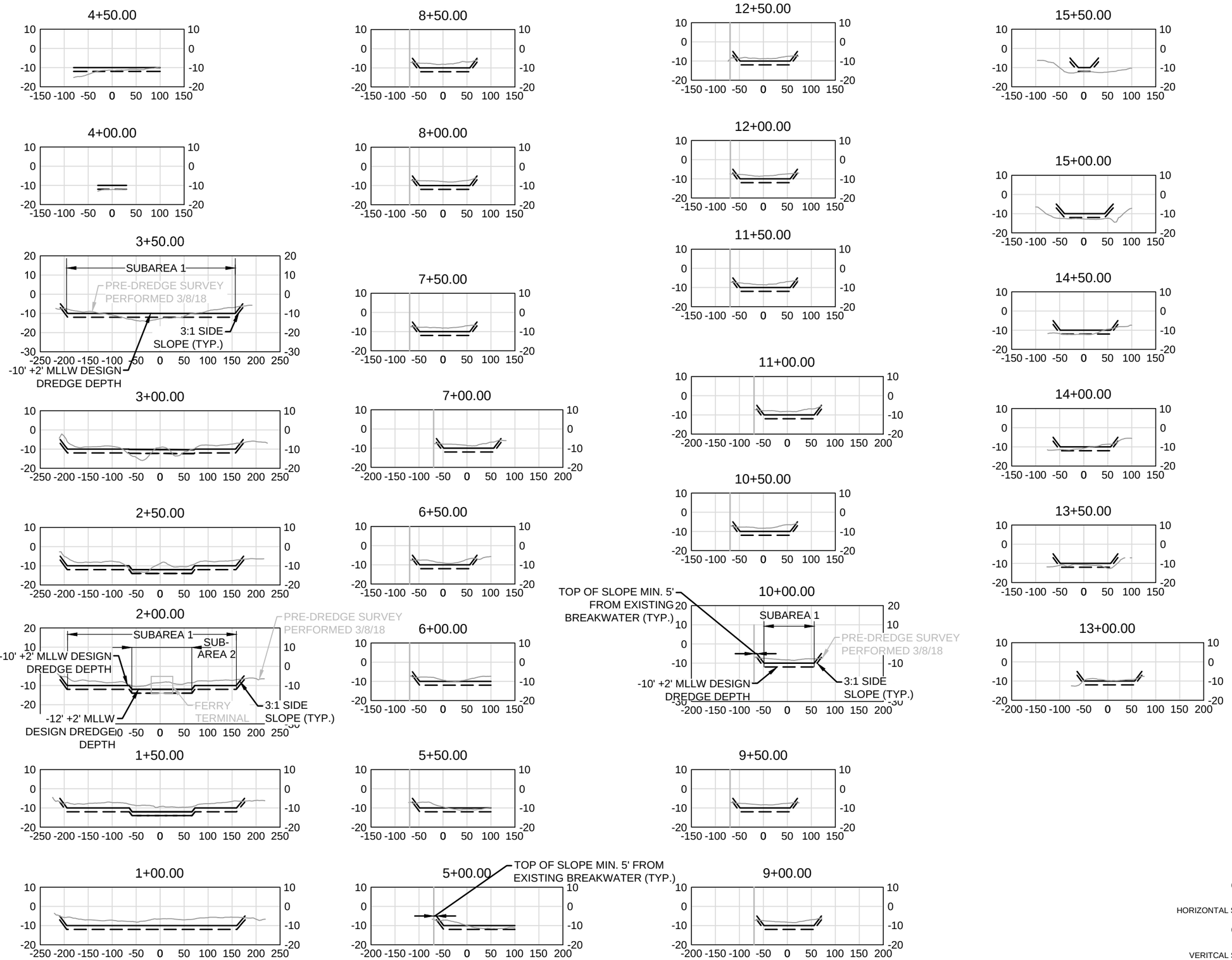
WR

PROJECT NO
17414.000

DATE
6/18/18

SHEET NUMBER
11

SHEET 11 OF 13




0' 100' 200'
HORIZONTAL SCALE: 1 INCH = 200 FEET

0' 25' 50'
VERITCAL SCALE: 1 INCH = 50 FEET

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WETA
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VALLEJO AND SOUTH SAN FRANCISCO

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SOUTH SAN FRANCISCO FERRY TERMINAL
PRE-DREDGE SECTIONS

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SCALE
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DATE
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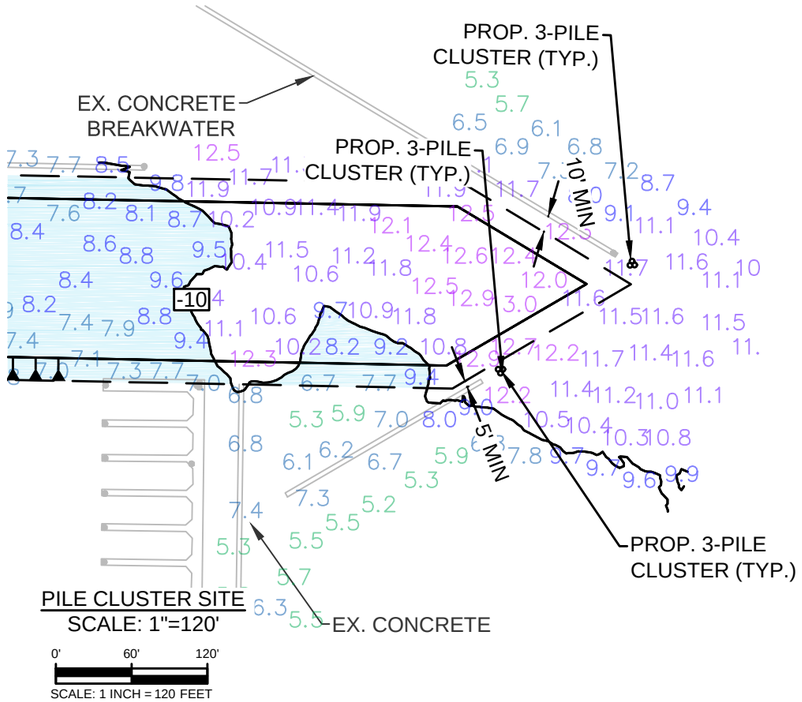
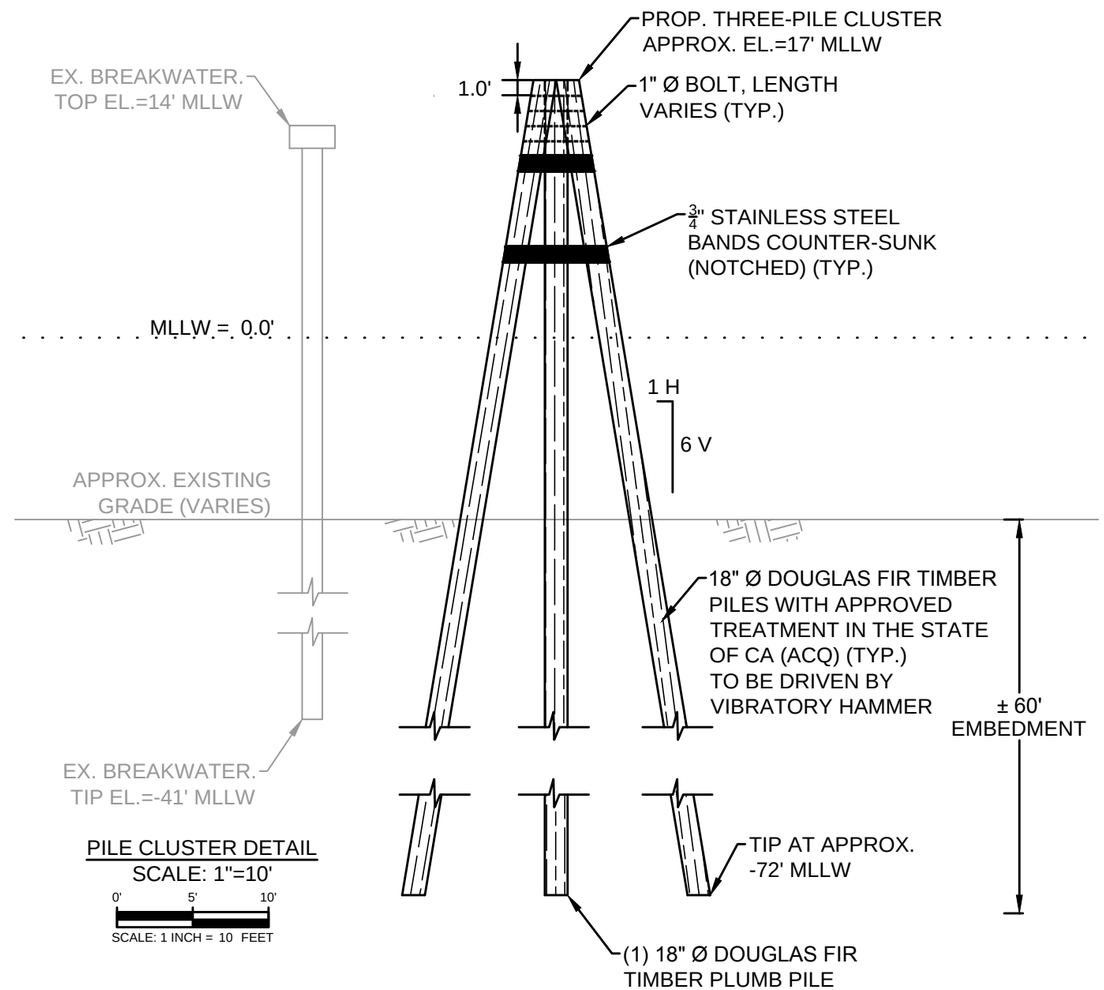
SHEET NUMBER
12

SHEET 12 OF 13



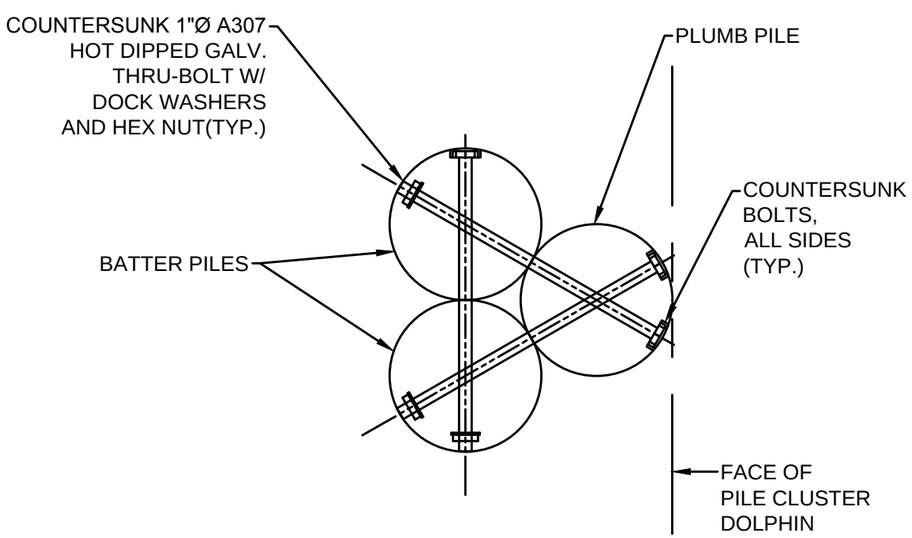

PILE CLUSTER SITE
SCALE: 1"=120'

0' 60' 120'
SCALE: 1 INCH = 120 FEET




PILE CLUSTER DETAIL
SCALE: 1"=10'

0' 5' 10'
SCALE: 1 INCH = 10 FEET




BOLTING PLAN
SCALE: N.T.S

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WETA
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VALLEJO AND SOUTH SAN FRANCISCO

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6/20/18

REVISIONS

SHEET TITLE
SOUTH SAN FRANCISCO FERRY TERMINAL
FENDER PILE CLUSTER DETAIL

ISSUANCE
ISSUED FOR BIDDING

SCALE
NOTED

DRAWN BY
KGK

CHECKED BY
WR

PROJECT NO
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DATE
6/18/18

SHEET NUMBER
13

SHEET 13 OF 13