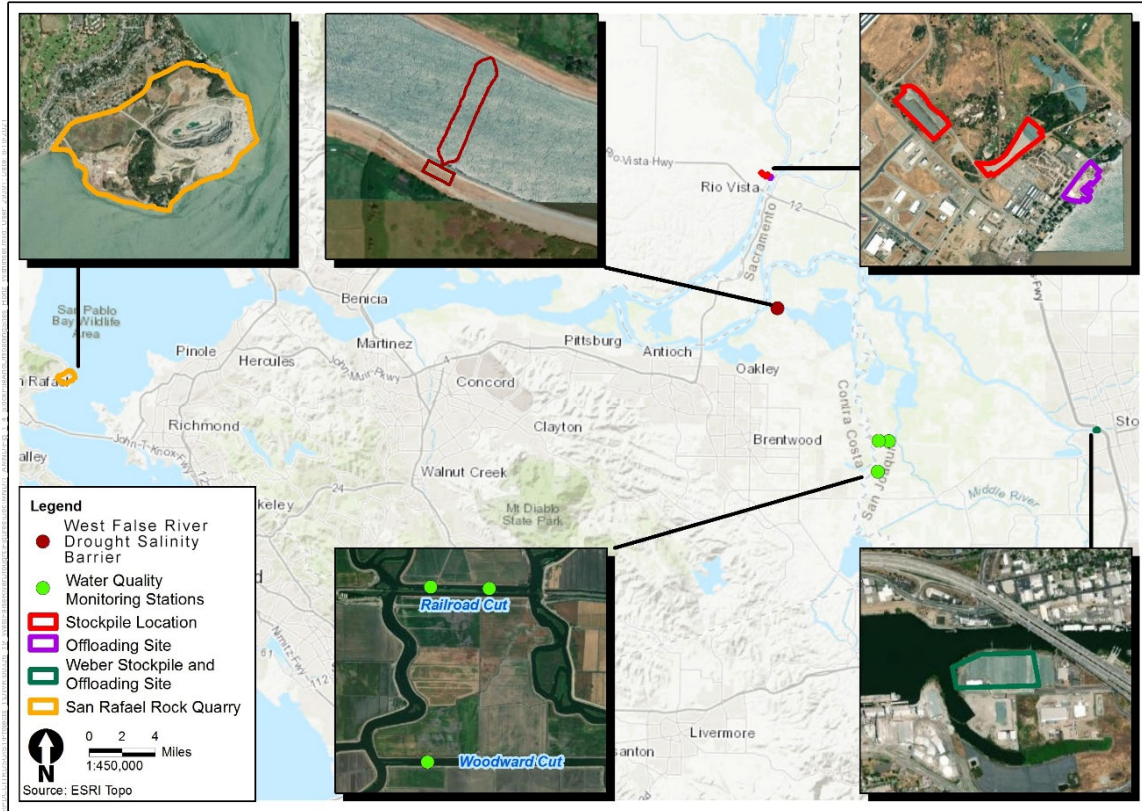


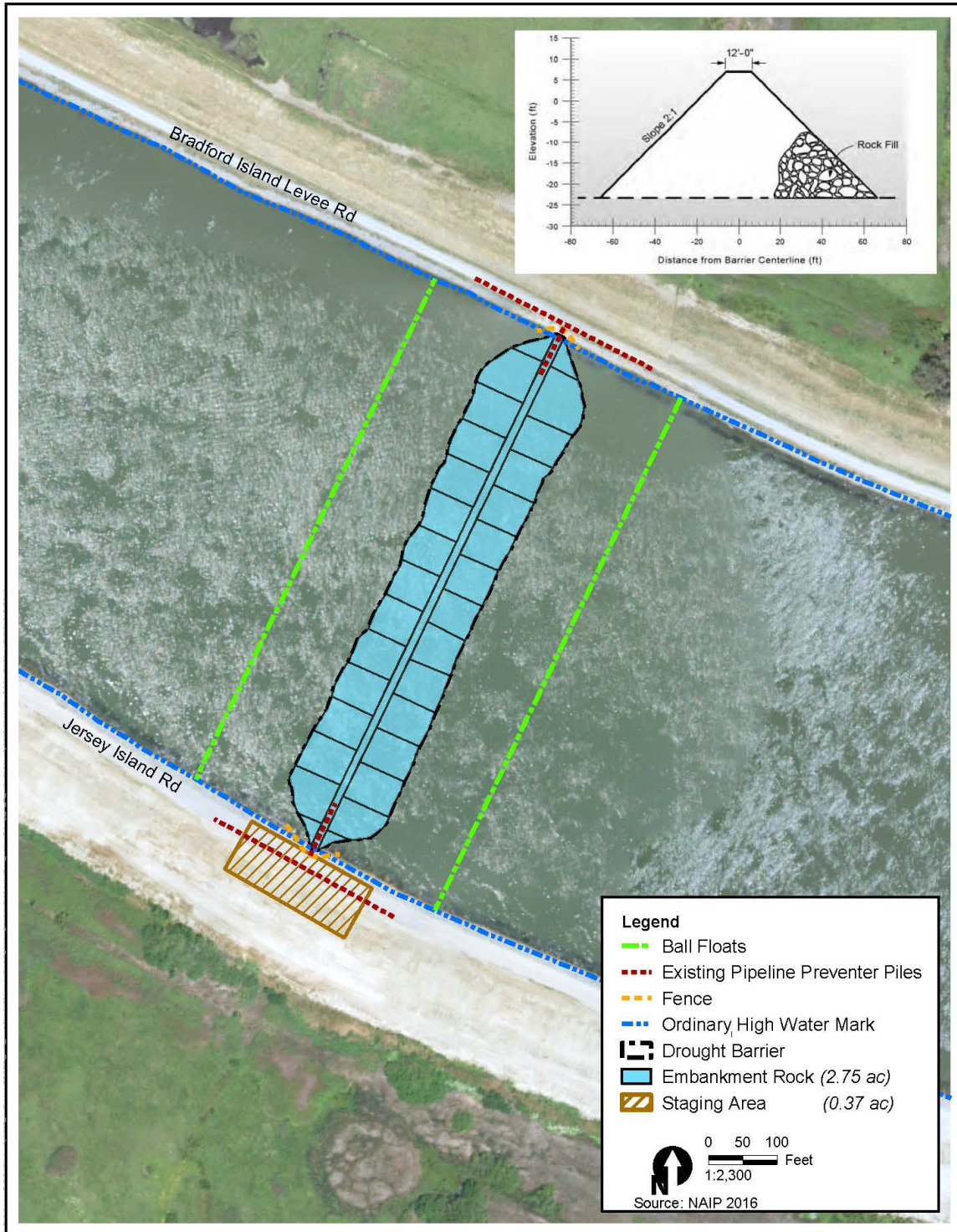


**Figure 1**  
Project Location



**Figure 3**

Project Features - The map above depicts the action area which includes the drought salinity barrier project site, the Rio Vista stockpile site, the Weber stockpile and off-loading sites, and the three water quality monitoring stations. The action area does not include the San Rafael rock quarry or the Rio Vista off-loading site because they are private commercial businesses that would have their own permits for operation.



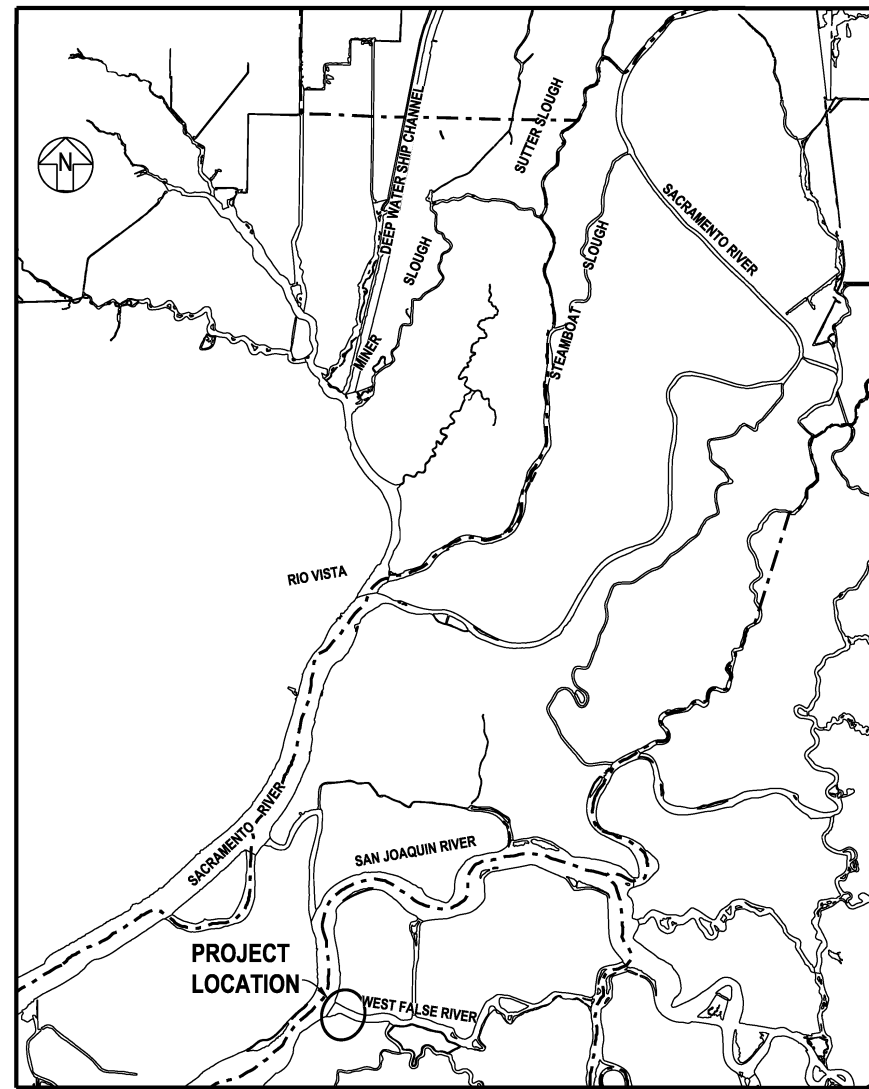
**Figure 2**  
Aerial View of the Project Site and Project Design (without the Notch)



STATE OF CALIFORNIA  
 CALIFORNIA NATURAL RESOURCES AGENCY  
 DEPARTMENT OF WATER RESOURCES  
 DIVISION OF ENGINEERING



STATE WATER FACILITIES  
 WEST FALSE RIVER  
 DROUGHT EMERGENCY  
 TEMPORARY ROCK BARRIER



LIST OF DRAWINGS

SHEET NO.	DRAWING NO.	DRAWING TITLE
001	G-101	COVER SHEET, LOCATION MAP, AND LIST OF DRAWINGS
002	C-201	GENERAL PLAN
003	C-202	RIO VISTA ROCK STORAGE - PLAN
004	C-203	STOCKTON ROCK STORAGE - PLAN
005	C-204	WEST FALSE RIVER INSTALL - GENERAL PLAN
006	C-205	WEST FALSE RIVER INSTALL - SITE PLAN AND PROFILE
007	C-206	WEST FALSE RIVER INSTALL - SECTION
008	C-207	WEST FALSE RIVER INSTALL - FENCE PLAN
009	C-208	WEST FALSE RIVER INSTALL - STANDARD FENCING DETAILS
010	C-301	WEST FALSE RIVER REMOVAL - SITE PLAN AND PROFILE
011	C-302	WEST FALSE RIVER REMOVAL - SECTION
①	012	C-401 WEST FALSE RIVER NOTCH - PLAN AND PROFILE
①	013	C-402 WEST FALSE RIVER SAFETY NAVIGATION - PLAN

① REVISION 1: A4  
 ADDED SHEETS

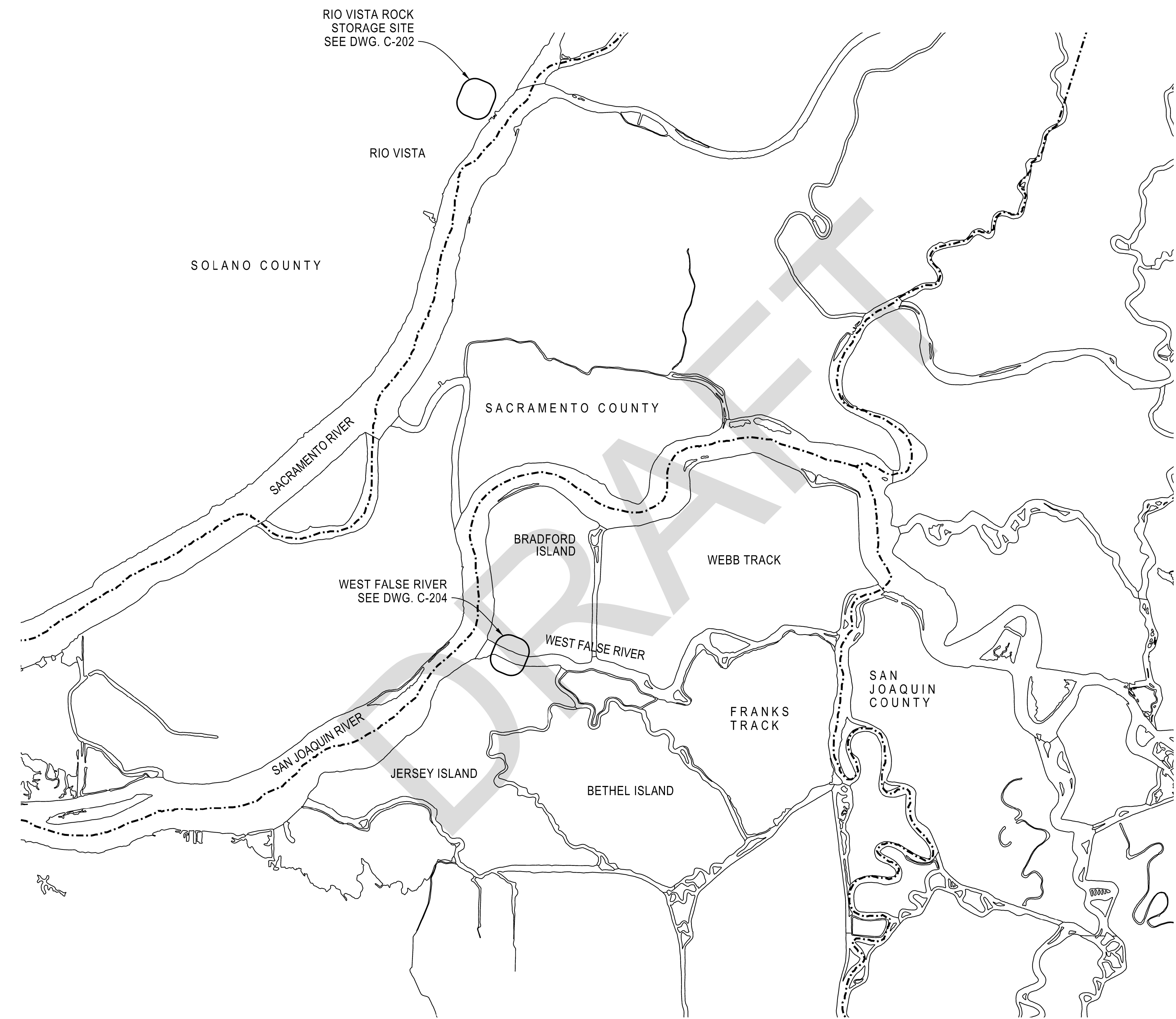
REV.	DESCRIPTION	SUB.	APP.

**THINK SAFETY -  
 ACT SAFELY**

APPROVED: \_\_\_\_\_ DATE: MAY 14, 2021  
 ORIGINAL SIGNED BY  
 JEANNE M. KUTTEL  
 CHIEF, DIVISION OF ENGINEERING, REG. C.E. No. 52771

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
	001	1	G-101

STATE OF CALIFORNIA  
CALIFORNIA NATURAL RESOURCES AGENCY  
DEPARTMENT OF WATER RESOURCES  
DIVISION OF ENGINEERING  
STATE WATER FACILITIES



STOCKTON ROCK STORAGE SITE  
SEE DWG. C-203  
(APPROXIMATELY 21 MILES FROM  
EMERGENCY ROCK BARRIER)

GENERAL PLAN  
NOT TO SCALE



REV.	DESCRIPTION	SUB.	APP.

REV. DESCRIPTION SUB. APP.



DESIGNED: MITCHELL J. MARTINEZ ENGINEER, W.R.	CHECKED: HOANG LE REG. C.E. No. 75744
DRAWN: MITCHELL J. MARTINEZ ENGINEER, W.R.	REVIEWED: RYAN A. COLQUHOUN REG. C.E. No. 77683

SUBMITTED:  
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REG. C.E. No. 75744

APPROVAL RECOMMENDED: DATE: 5/14/2021  
*Ryan Colquhoun*  
CHIEF, CIVIL SECTION I, REG. C.E. No. 77683

APPROVED: DATE: 5/14/2021  
*Paul Ben*  
CHIEF, CIVIL ENGINEERING BRANCH, REG. C.E. No. 65263

**THINK SAFETY -  
ACT SAFELY**

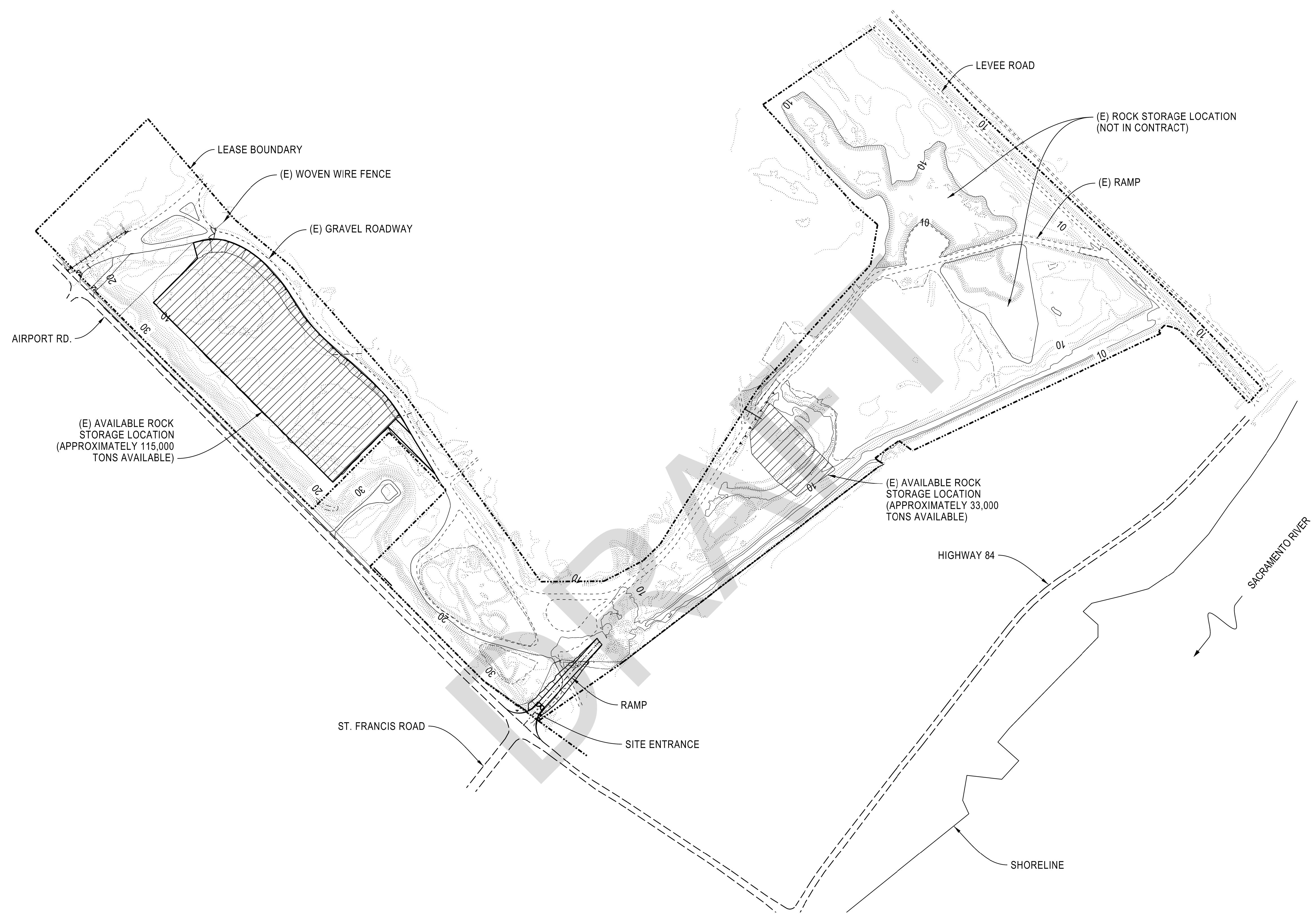
STATE WATER FACILITIES  
DROUGHT EMERGENCY  
TEMPORARY ROCK BARRIER  
WEST FALSE RIVER

GENERAL PLAN

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
	002		C-201

1 2 3 4 5 6 7 8

D  
C  
B  
A



**RIO VISTA ROCK STORAGE PLAN**  
 SCALE: 1" = 200'  
 0 100 200

STATE OF CALIFORNIA  
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 DEPARTMENT OF WATER RESOURCES  
 DIVISION OF ENGINEERING  
 STATE WATER FACILITIES



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SUBMITTED: HOANG LE REG. C.E. No. 75744	
APPROVAL RECOMMENDED: DATE: 5/14/2021 <i>Ryan Colquhoun</i> CHIEF, CIVIL SECTION I, REG. C.E. No. 77683	
APPROVED: DATE: 5/14/2021 <i>Jack B...</i> CHIEF, CIVIL ENGINEERING BRANCH, REG. C.E. No. 65263	

**THINK SAFETY -  
 ACT SAFELY**

STATE WATER FACILITIES  
 DROUGHT EMERGENCY

TEMPORARY ROCK BARRIER

RIO VISTA STORAGE FACILITY

RIO VISTA ROCK STORAGE

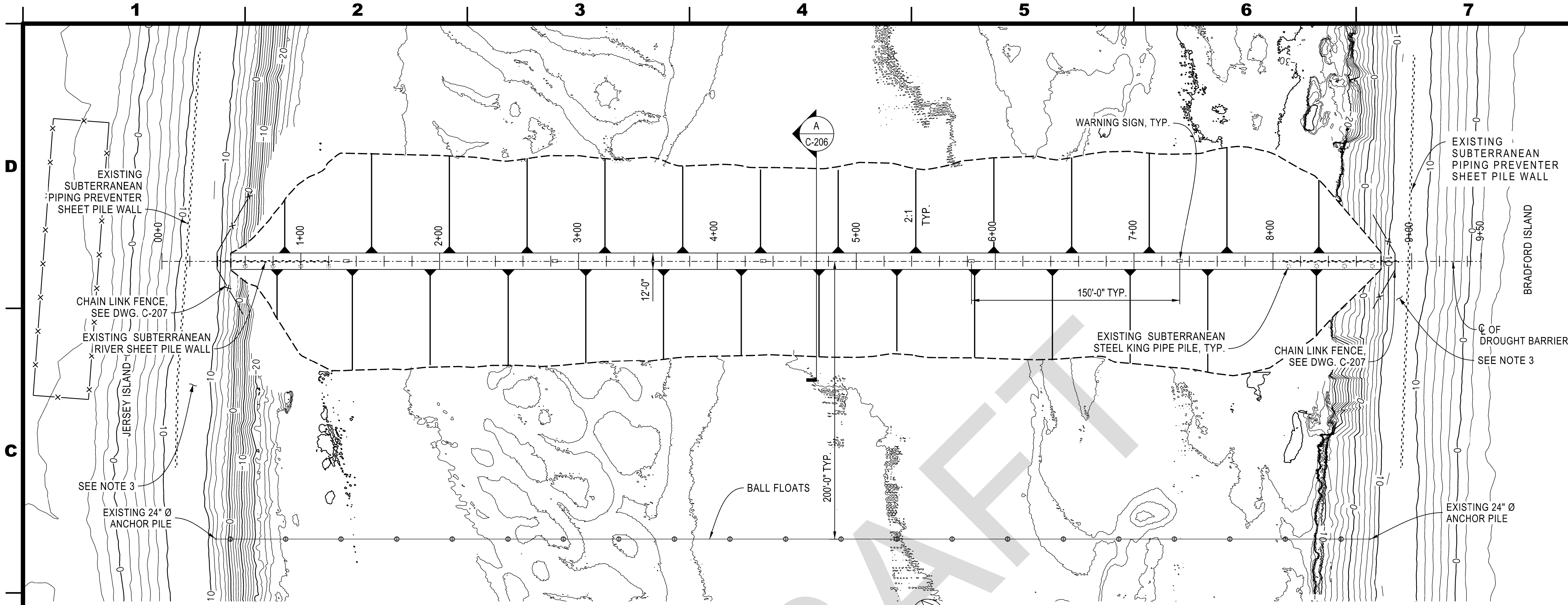
PLAN

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
	003		C-202

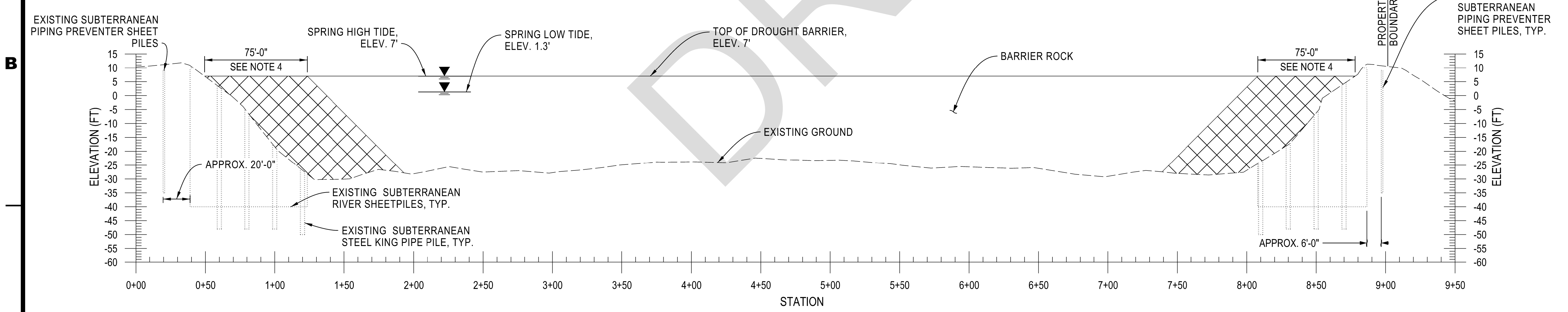








**WEST FALSE RIVER - SITE PLAN**  
SCALE: 1"=40'



**WEST FALSE RIVER - PROFILE**  
HORIZONTAL SCALE: 1"=40'  
VERTICAL SCALE: 1"=20'

- NOTES**
- DATUM: CALIFORNIA STATE PLANE ZONE 3, NAD 83, NAVD 88, FEET (SEE SHEET C-204)
  - SUBTERRANEAN KING AND SHEET PILES IN THE RIVER WERE DEMOLISHED TO MUDLINE IN 2015 REMOVAL PROJECT.
  - EXISTING MONITORING EQUIPMENT ALONG LEVEE TO BE PROTECTED IN PLACE. LOCATIONS TO BE FIELD VERIFIED.
  - ROCK ALONG ABUTMENT TO BE PLACED BY CLAMSHELL OR BUCKET EQUIPMENT.

REV.	DESCRIPTION	SUB.	APP.



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DRAWN: MITCHELL J. MARTINEZ ENGINEER, W.R.	REVIEWED: RYAN A. COLQUHOUN REG. C.E. No. 77683
SUBMITTED: HOANG LE REG. C.E. No. 75744	

APPROVAL RECOMMENDED: <i>Ryan Colquhoun</i> CHIEF, CIVIL SECTION I, REG. C.E. No. 77683	DATE: 5/14/2021
APPROVED: <i>Paul Ben</i>	DATE: 5/14/2021
CHIEF, CIVIL ENGINEERING BRANCH, REG. C.E. No. 65263	

**THINK SAFETY -  
ACT SAFELY**

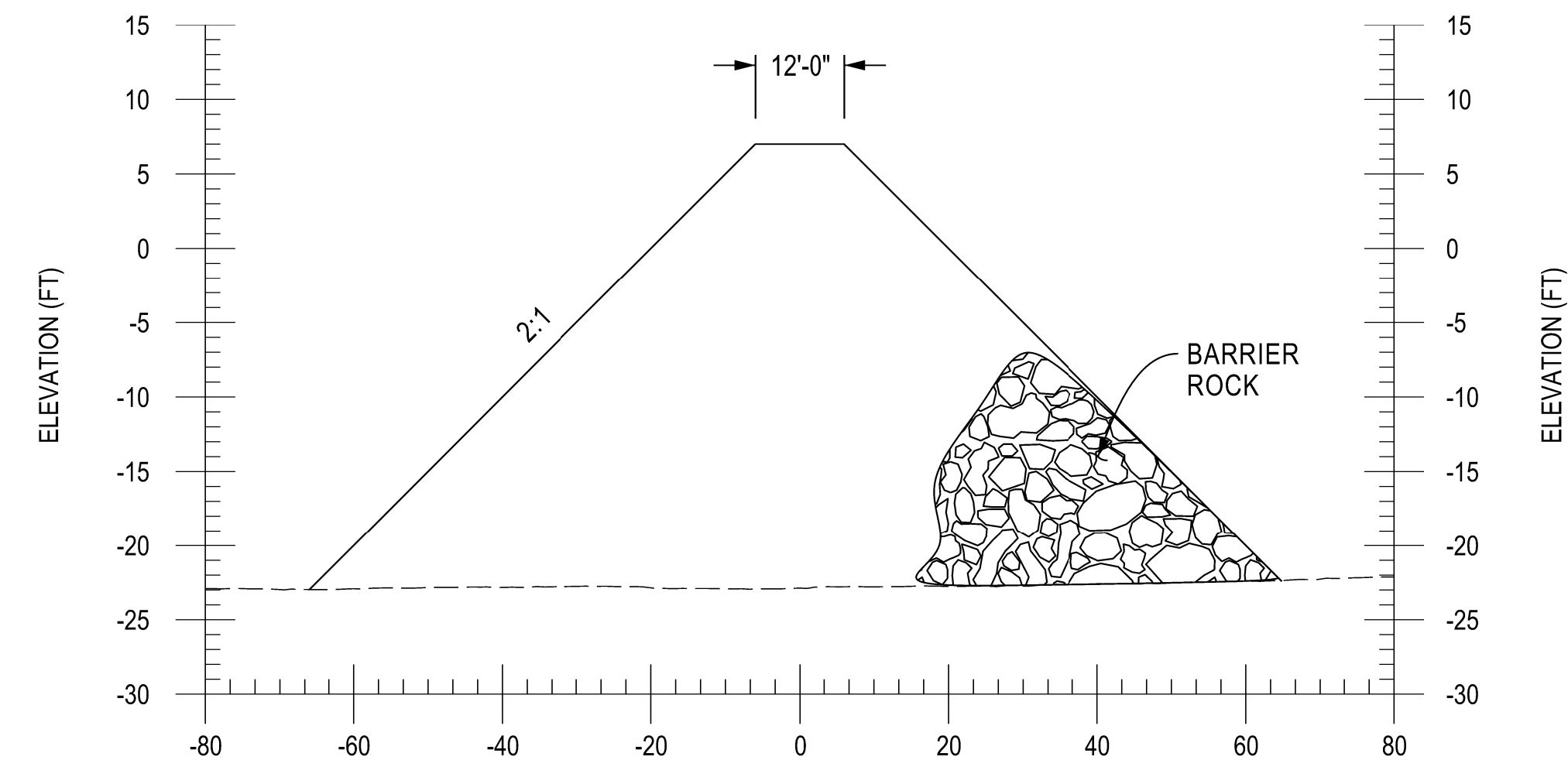
STATE WATER FACILITIES  
DROUGHT EMERGENCY  
TEMPORARY ROCK BARRIER

WEST FALSE RIVER

WEST FALSE RIVER INSTALL

SITE PLAN AND PROFILE			
SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
	006		C-205

1 2 3 4 5 6 7 8



**A** TYPICAL ROCK BARRIER SECTION C-205

HORIZ. SCALE: 1" = 20'  
VERT. SCALE: 1" = 10'

HORIZONTAL  
0 5 10

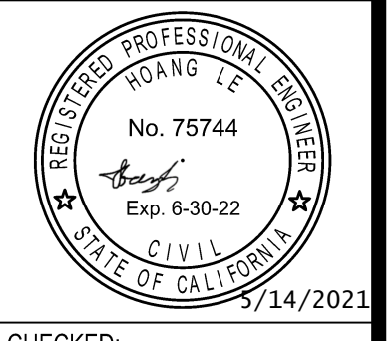
VERTICAL  
0 5 10

DRAFT

STATE OF CALIFORNIA  
CALIFORNIA NATURAL RESOURCES AGENCY  
DEPARTMENT OF WATER RESOURCES  
DIVISION OF ENGINEERING  
STATE WATER FACILITIES



REV.	DESCRIPTION	SUB.	APP.



DESIGNED: MITCHELL J. MARTINEZ  
ENGINEER, W.R.

CHECKED: HOANG LE  
REG. C.E. No. 75744

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APPROVED: *Jack B...* DATE: 5/14/2021  
CHIEF, CIVIL ENGINEERING BRANCH, REG. C.E. No. 65263

**THINK SAFETY -  
ACT SAFELY**

STATE WATER FACILITIES  
DROUGHT EMERGENCY

TEMPORARY ROCK BARRIER

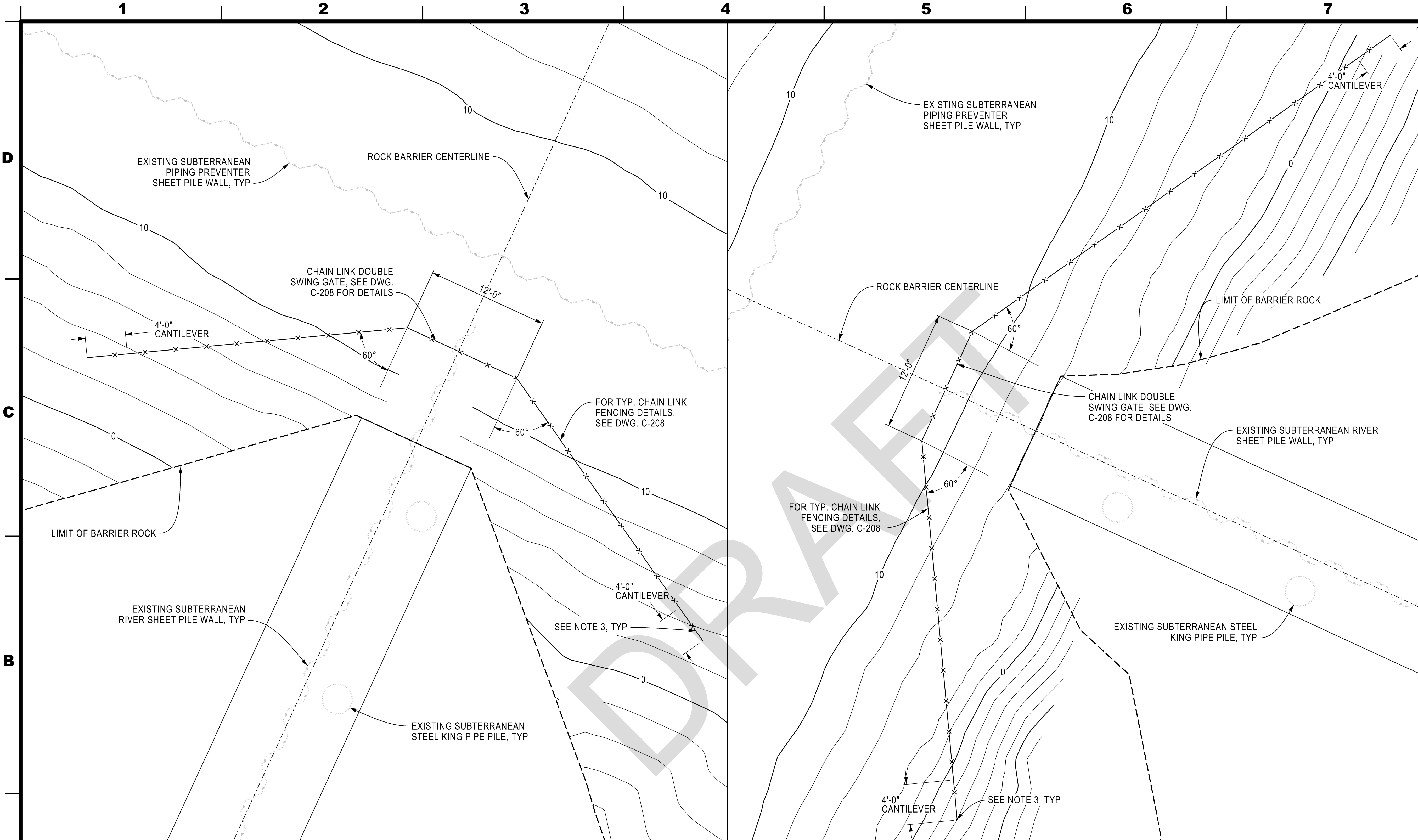
WEST FALSE RIVER

WEST FALSE RIVER INSTALL

SECTION			
SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
	007		C-206

NOTES  
1. DATUM: CALIFORNIA STATE PLANE ZONE 3, NAD 83, NAVD 88, FEET (SEE SHEET C-204)

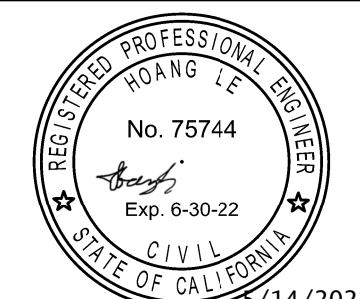
1 2 3 4 5 6 7 8



STATE OF CALIFORNIA  
 CALIFORNIA NATURAL RESOURCES AGENCY  
 DEPARTMENT OF WATER RESOURCES  
 DIVISION OF ENGINEERING  
 STATE WATER FACILITIES



REV.	DESCRIPTION	SUB.	APP.



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DRAWN: MITCHELL J. MARTINEZ ENGINEER, W.R.	REVIEWED: RYAN A. COLQUHOUN REG. C.E. No. 77683

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 CHIEF, CIVIL SECTION I, REG. C.E. No. 77683

APPROVED: DATE: 5/14/2021  
*Paul B...*  
 CHIEF, CIVIL ENGINEERING BRANCH, REG. C.E. No. 65263

**THINK SAFETY -  
ACT SAFELY**

STATE WATER FACILITIES  
 DROUGHT EMERGENCY  
 TEMPORARY ROCK BARRIER  
 WEST FALSE RIVER

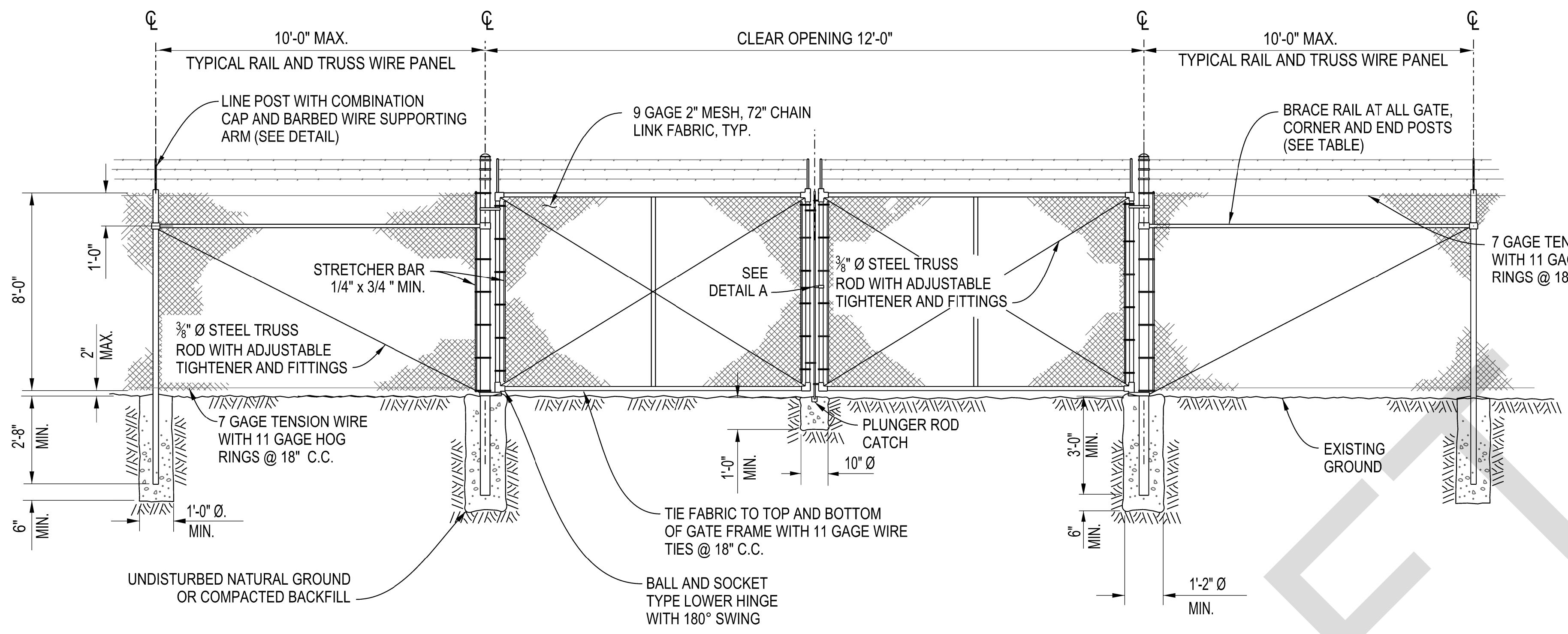
WEST FALSE RIVER INSTALL

FENCE PLAN			
SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
	008		C-207

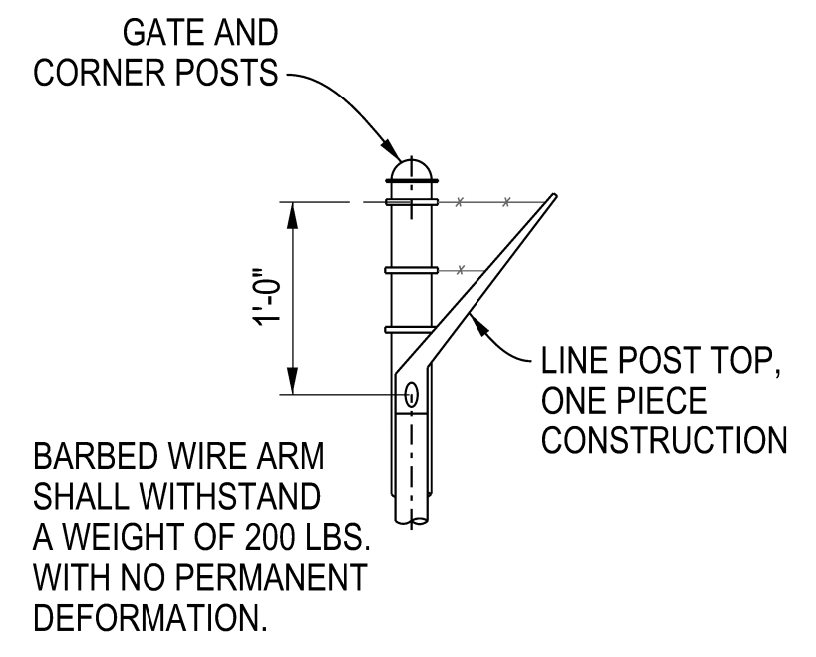
**BRADFORD ISLAND FENCE PLAN**  
 SCALE: 1"=5'

**JERSEY ISLAND FENCE PLAN**  
 SCALE: 1"=5'

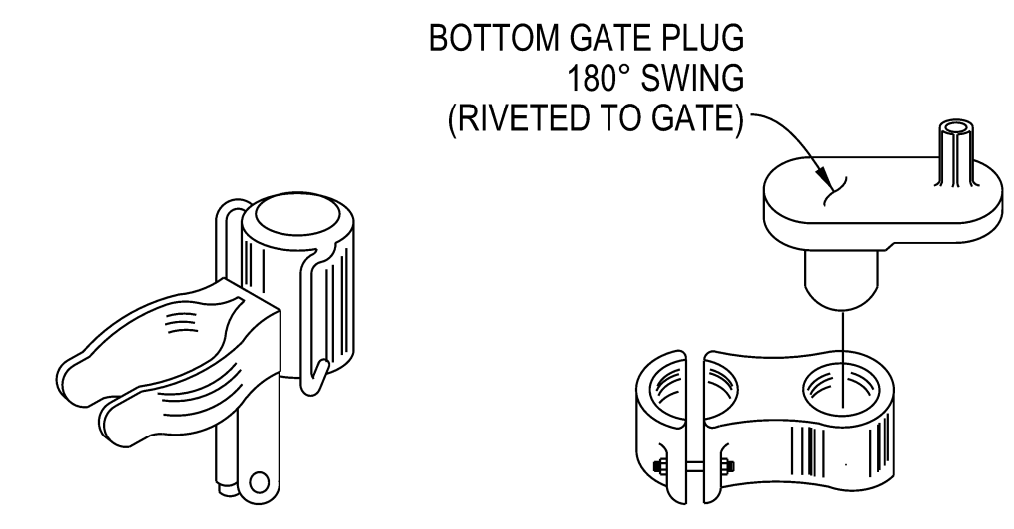
- NOTES**
- CENTER FENCE AND DOUBLE SWING GATE ON DROUGHT BARRIER CENTERLINE
  - DOUBLE SWING GATE TO BE PLACED ALONG WATER SIDE LEVEE SHOULDER
  - 4' CANTILEVER FENCING EXTENDS HORIZONTALLY FROM ELEVATION 4'
  - APPROXIMATELY 70' OF LINEAR FENCING PER SIDE OF BARRIER
  - SUBTERRANEAN KING AND SHEET PILES IN THE RIVER WERE DEMOLISHED TO MUDLINE IN 2015 REMOVAL PROJECT.



**CHAIN LINK DOUBLE SWING GATE**  
NOT TO SCALE

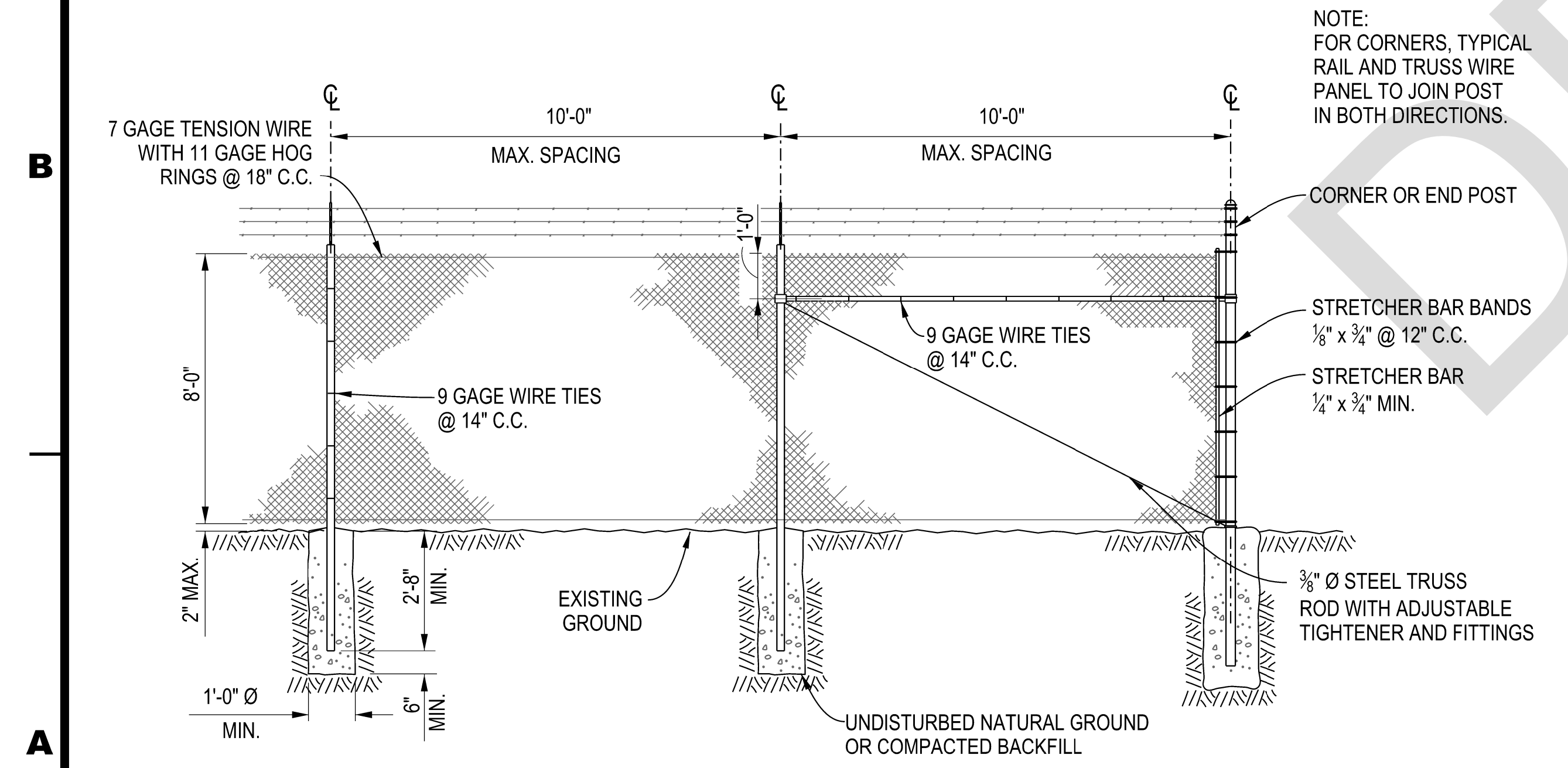


**DETAIL - BARB WIRE SUPPORT ARM**  
SCALE: 1"=1'

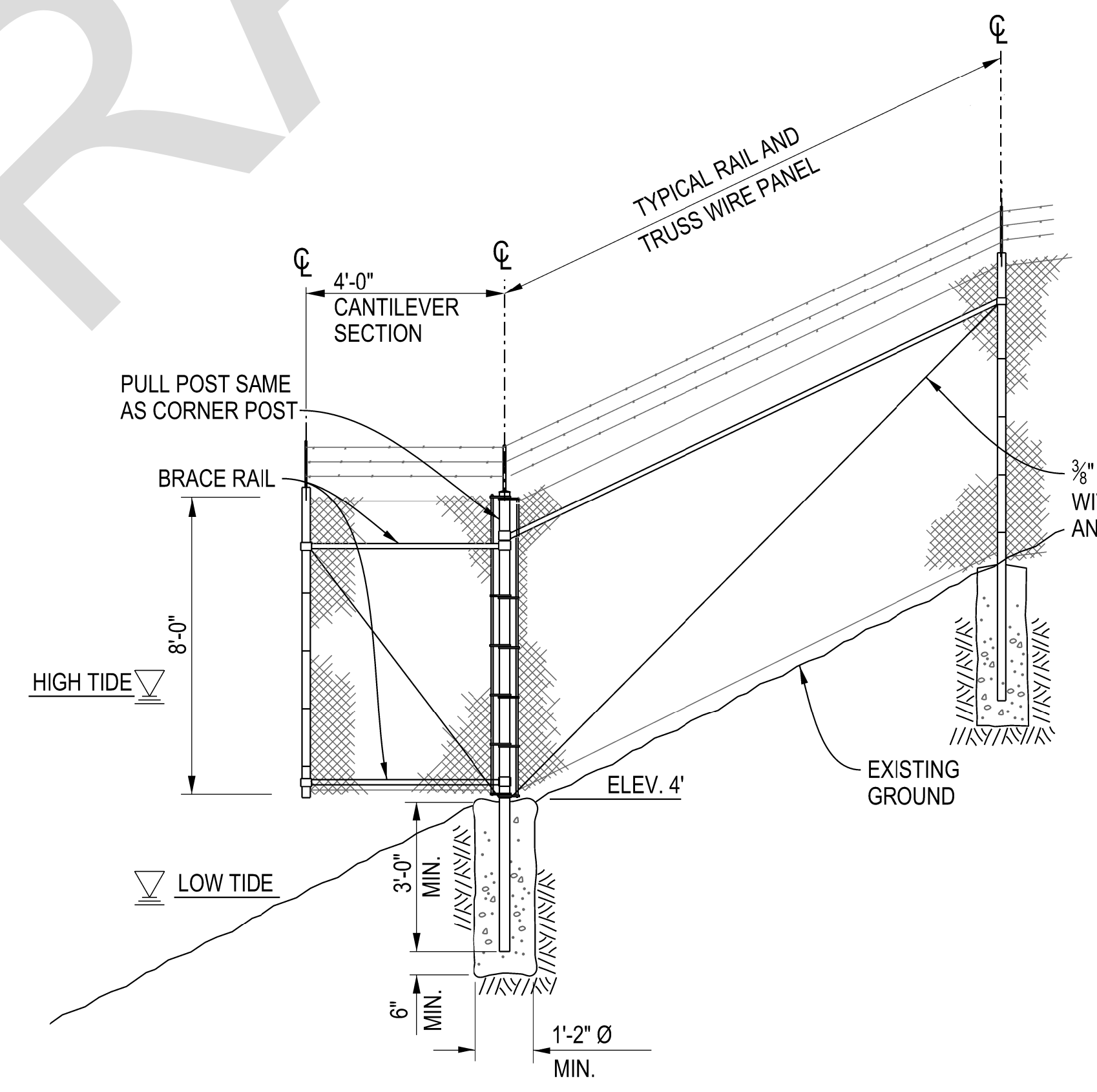


**DETAIL A**  
NOT TO SCALE

**BOTTOM GATE HINGE**  
TYPICAL FOR ALL GATES  
NOT TO SCALE



**TYPICAL FENCE ELEVATION**  
NOT TO SCALE

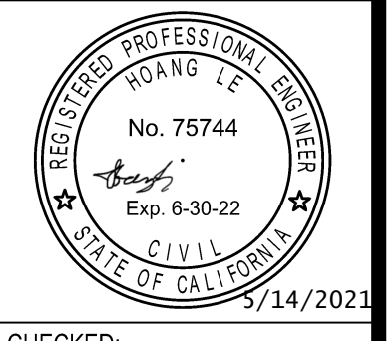


**CANTILEVER FENCING**  
NOT TO SCALE

POST & MATERIAL TABLE			
	TUBULAR SCHED. 40 PIPE	OUTSIDE DIA.	THICKNESS
LINE POSTS	2"	2.375"	0.154"
CORNER, PULL & END POSTS	2 1/2"	2.875"	0.203"
WALK GATE POSTS	2 1/2"	2.875"	0.203"
DRIVE GATE POSTS	3 1/2"	4.000"	0.226"
BRACES	1 1/4"	1.660"	0.140"
GATE FRAMES	1 1/2"	1.900"	0.145"

- NOTES**
- ADJUSTABLE TIGHTENERS SHALL BE TURNBUCKLE OR EQUIVALENT, HAVING 6" MIN. TAKEUP.
  - TYPICAL RAIL AND TRUSS WIRE PANELS SHALL BE USED AT ALL CORNERS, END POSTS AND ANGLE POINTS, OR CURVES WITH HORIZONTAL DEFLECTION OF 15° OR GREATER.
  - SEE SPECIFICATIONS FOR ALTERNATIVE POSTS AND MATERIALS SUBMITTED.

REV.	DESCRIPTION	SUB.	APP.



DESIGNED: MITCHELL J. MARTINEZ ENGINEER, W.R.	CHECKED: HOANG LE REG. C.E. No. 75744
DRAWN: MITCHELL J. MARTINEZ ENGINEER, W.R.	REVIEWED: RYAN A. COLQUHOUN REG. C.E. No. 77683
SUBMITTED: HOANG LE REG. C.E. No. 75744	

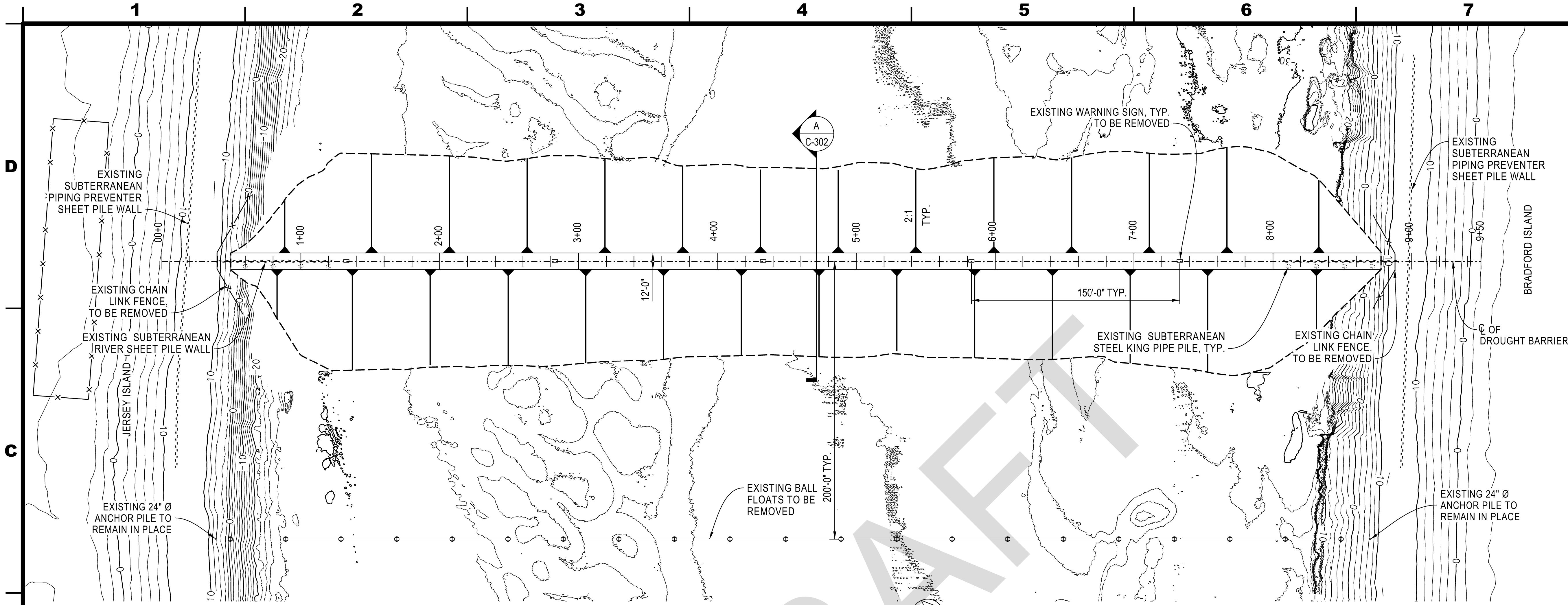
APPROVAL RECOMMENDED:	DATE:
<i>Ryan Colquhoun</i>	5/14/2021
CHIEF, CIVIL SECTION I, REG. C.E. No. 77683	
APPROVED:	DATE:
<i>Tate Br...</i>	5/14/2021
CHIEF, CIVIL ENGINEERING BRANCH, REG. C.E. No. 65263	

**THINK SAFETY - ACT SAFELY**

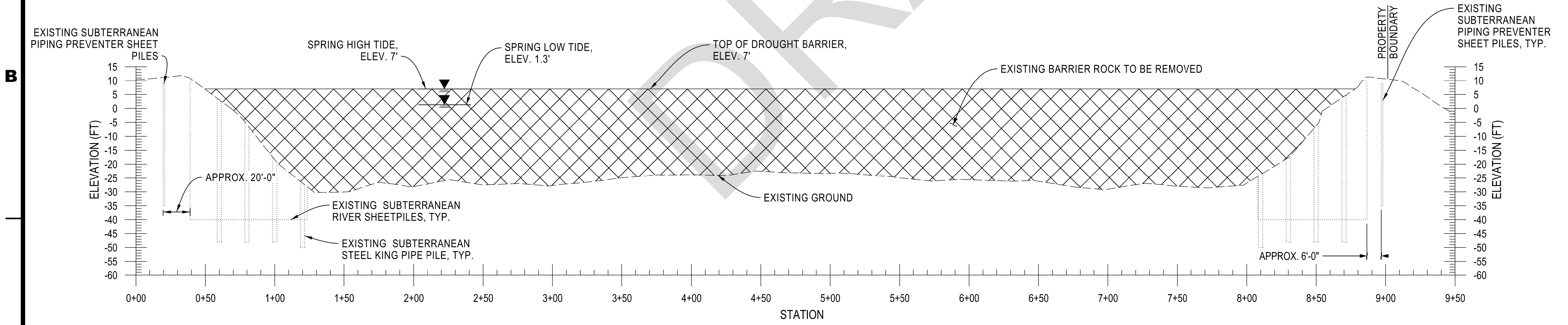
STATE WATER FACILITIES  
DROUGHT EMERGENCY  
**TEMPORARY ROCK BARRIER**  
**WEST FALSE RIVER**

**WEST FALSE RIVER INSTALL**

STANDARD FENCING DETAILS			
SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
	009		C-208



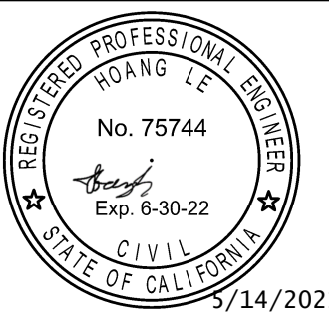
**WEST FALSE RIVER - SITE PLAN**  
 SCALE: 1"= 40'



**WEST FALSE RIVER - PROFILE**  
 HORIZONTAL SCALE: 1"= 40'  
 VERTICAL SCALE: 1"=20'

- NOTES**
- DATUM: CALIFORNIA STATE PLANE ZONE 3, NAD 83, NAVD 88, FEET (SEE SHEET C-204)
  - REMOVE TEMPORARY BARRIER ROCK TO THE LIMITS SHOWN.
  - FINISHED GRADE SHALL MATCH RIVER CHANNEL CONDITIONS PRIOR TO INSTALLATION OF THE TEMPORARY ROCK BARRIER.

REV.	DESCRIPTION	SUB.	APP.



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APPROVED: *Jack B...* DATE: 5/14/2021  
 CHIEF, CIVIL ENGINEERING BRANCH, REG. C.E. No. 65263

**THINK SAFETY -  
 ACT SAFELY**

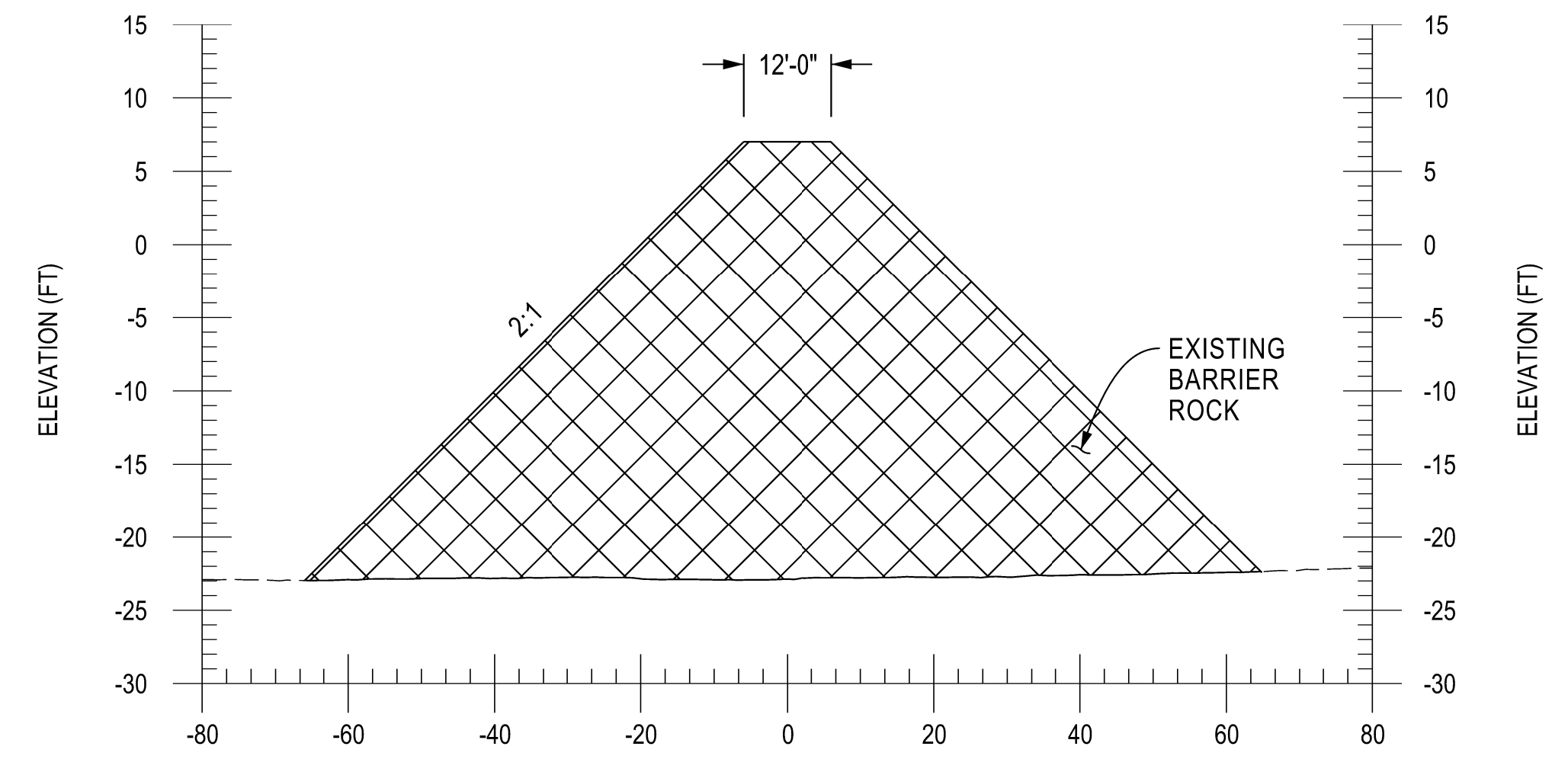
STATE WATER FACILITIES  
 DROUGHT EMERGENCY  
 TEMPORARY ROCK BARRIER  
 WEST FALSE RIVER

**WEST FALSE RIVER REMOVAL**

SITE PLAN AND PROFILE

SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
	010		C-301

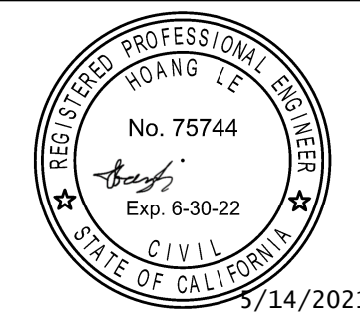
STATE OF CALIFORNIA  
CALIFORNIA NATURAL RESOURCES AGENCY  
DEPARTMENT OF WATER RESOURCES  
DIVISION OF ENGINEERING  
STATE WATER FACILITIES



**A** TYPICAL ROCK BARRIER SECTION C-301  
HORIZ. SCALE: 1" = 20'  
VERT. SCALE: 1" = 10'  
HORIZONTAL  
VERTICAL  
BARRIER ROCK, TO BE REMOVED

DRAFT

REV.	DESCRIPTION	SUB.	APP.



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**THINK SAFETY -  
ACT SAFELY**

STATE WATER FACILITIES  
DROUGHT EMERGENCY  
TEMPORARY ROCK BARRIER  
WEST FALSE RIVER

WEST FALSE RIVER REMOVAL

- NOTES**
- DATUM: CALIFORNIA STATE PLANE ZONE 3, NAD 83, NAVD 88, FEET (SEE SHEET C-204)
  - REMOVE TEMPORARY BARRIER ROCK TO THE LIMITS SHOWN.
  - FINISHED GRADE SHALL MATCH RIVER CHANNEL CONDITIONS PRIOR TO INSTALLATION OF THE TEMPORARY ROCK BARRIER.

SECTION			
SPEC. NO.	SHEET NO.	REVISION	DRAWING NO.
	011		C-302



