

FEDERAL ENERGY REGULATORY COMMISSION
901 MARKET STREET, SUITE 350
SAN FRANCISCO, CA. 94103

RECEIVED
FEB 26 1993

POWER SYSTEMS DIVISION

February 24, 1993

In reply refer to:
Project No. 2079-CA

Mr. Stephen J. Jones
Power System Manager
Placer County Water Agency
P. O. Box 667
Foresthill, CA 95631

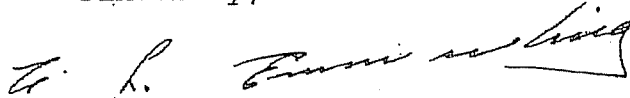
Dear Mr. Jones:

We received three copies of your revised Public Safety Plan for the Middle Fork American River Project No. 2079, on February 23, 1993.

We have reviewed your Public Safety Plan. The Public Safety Plan is an important document that is necessary to show the installation of warning and safety devices for the purposes of the Regional Director's administration of Section 12.42 of the Regulations. Your plan satisfies the submission requirements of Section 12.42. Future enhancements or modifications to the Public Safety Plan may be necessary based on our inspection of the project or your identification of revised usage or revised conditions at the site.

We appreciate your continued cooperation and interest in public safety.

Sincerely,



C. L. Emmerling, P. E.
Regional Director



PLACER COUNTY WATER AGENCY

POWER SYSTEMS DIVISION

P.O. Box 667 24625 HARRISON ST. FORESTHILL, CALIFORNIA 95631
TELEPHONE (916) 367-2291 / (916) 885-6917 FAX (916) 367-4440

— A Public Agency —

Board of Directors

E.W. Horton • Walter Fickewirth
Otis Wollan • Richard Azevedo
R.G. Riolo
Dave Breninger, General Manager
S. Jones, Power Systems Manager

February 22, 1993

Mr. C. L. Emmerling, P.E., Regional Director
FEDERAL ENERGY REGULATORY COMMISSION
901 Market Street, Suite 350
San Francisco, CA 94103

SUBJECT: Public Safety Plans for Project No. 2079-CA

Dear Mr. Emmerling:

As requested by Rob Humble of your staff, enclosed are three copies of the drawings showing the location of the schedule of signs that were submitted by letter to you dated August 6, 1992, as part of our Public Safety Plans. Also enclosed is the key which gives the size, form, and wording of 22 signs.

The following drawings are submitted to show the location of the signs:

1. Drawing from the USGS topographic map showing the location of the sign at the Hell Hole Vista Point.
2. Drawing from the USGS topographic map showing the location of the sign at the North Fork Long Canyon Creek Diversion Dam.
3. Drawing from the USGS topographic map showing the location of the sign at the top of the five mile long project road to Interbay Dam.
4. Drawing from the USGS topographic map showing the location of three signs in the Ralston Afterbay Reservoir area.
5. Drawing No. 2079-369, Exhibit K-2, showing the location of signs at the Hell Hole Dormitory, the access road to the bridge across the Hell Hole Spillway, and at the Hell Hole Powerhouse.
6. Drawing No. 31-06-201A, drawing of the French Meadows Dam showing the location of three signs adjacent to the spillway.

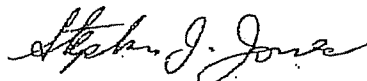
Letter to Mr. C. L. Emmerling, P.E.
Page 2

February 22, 1993

7. Drawing No. 53-15-203, showing the location of four signs at the French Meadows Power Plant.
8. Drawing No. HH-E-13, showing the location of five signs at the Hell Hole Substation.
9. Drawing No. 103-15-200, showing the location of nine signs at the Middle Fork Power Plant, and adjacent switchyards.
10. Drawing No. 111-05-201, showing the location of two signs at Interbay Dam.
11. Drawing No. 121-13-601, showing the location of one sign at the Ralston Tunnel Surge Tank.
12. Drawing No. 133-15-202, showing the location of five signs at the Ralston Power Plant.
13. Drawing No. 241-05-201, showing the location of two signs at Ralston Afterbay Dam.
14. Drawing No. 253-15-202, showing the location of four signs in the area of Ralston Afterbay Dam and Oxbow Power Plant.

Sincerely,

PLACER COUNTY WATER AGENCY



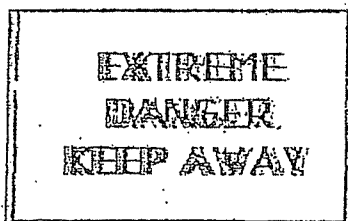
Stephen J. Jones
Power Systems Manager

SJ:lk

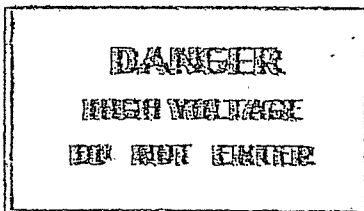
Enclosures

cc: Dave Breninger

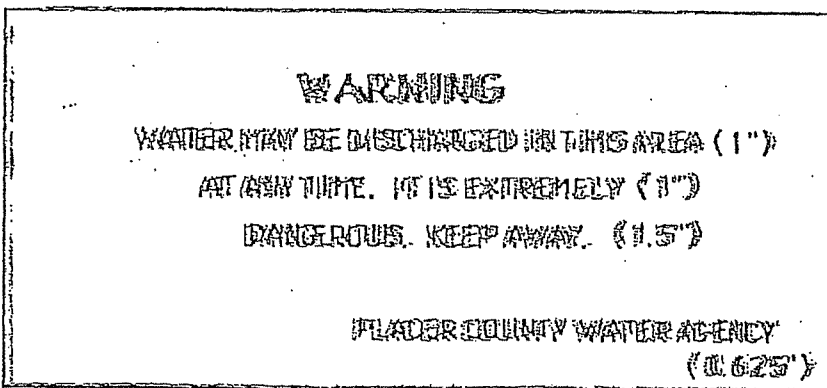
PROJECT NO. 2079-CA
Middle Fork American River Project



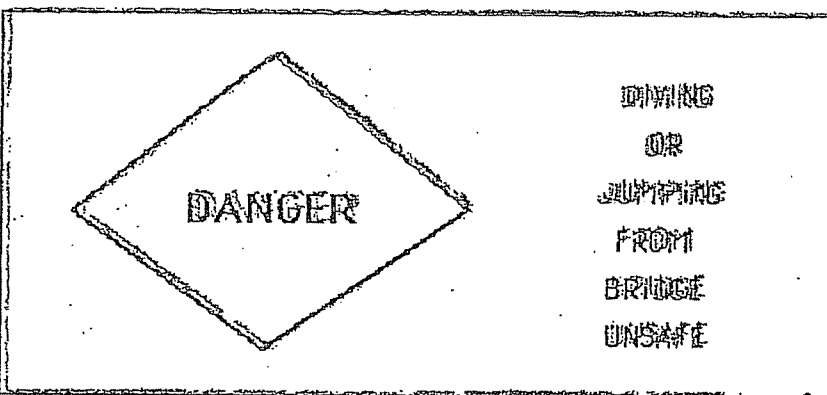
SIZE(IN.)
SIGN 36X60
LETTERS 6
TYPE: METAL
COLOR GREEN
WHITE



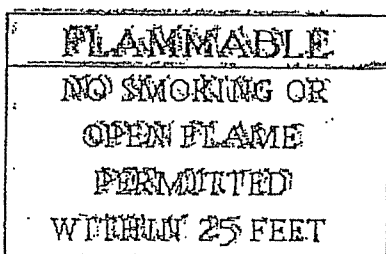
SIZE(IN.)
SIGN 7X14
LETTERS 1.5
TYPE: METAL
COLOR WHITE
ORANGE
ORANGE



SIZE(IN.)
SIGN 14X20
LETTERS 3.0
TYPE: METAL
COLOR YELLOW
BLACK
BLACK
BLACK
BLACK



SIZE(IN.)
SIGN 19X26
LETTERS 2.0
TYPE: METAL
COLOR VEL/BRN
BLACK
WHITE



SIZE(IN.)
SIGN 12X16
LETTERS 1.75
TYPE: ADHESIVE
COLOR RED/WHITE
WHITE
BLACK

PROJECT NO. 2079-CA
Middle Fork American River Project

6.

HIGH VOLTAGE

SIGN	SIZE(IN.)	COLOR
LETTERS	4X24	GREEN
	2.5	WHITE
TYPE: METAL		

7.

NO
TRESPASSING

SIGN	SIZE(IN.)	COLOR
LETTERS	7X10	BLACK
	2	WHITE
TYPE: METAL		

8.

DANGER
SLIDE AREA AHEAD
DO NOT ENTER

SIGN	SIZE(IN.)	COLOR
LETTERS	18X36	BROWN
	3	RED
TYPE: WOOD		

9.

UNAUTHORIZED
VEHICLES WILL
BE TOWED AWAY
AT OWNERS
EXPENSE

SIGN	SIZE(IN.)	COLOR
LETTERS	18X18	WHITE
	2	BLACK
TYPE: METAL		

10.

DANGER

HIGH VOLTAGE
DO NOT ENTER

SIGN	SIZE(IN.)	COLOR
LETTERS	10X14	RD\BLK\WH
	2(DAN)	WHITE
	3(HIGH)	BLACK
TYPE: PLASTIC		

NOTE: DANGER PORTION OF
SIGN ON RED ELLIPSE.

PROJECT NO. 2079-CA
Middle Fork American River Project

HELL HOLE
SUBSTATION

PLACER COUNTY WATER AGENCY
POWER SYSTEMS DIVISION

SIZE(IN.) COLOR
SIGN 7X10 WHITE
LETTERS RED
TYPE: METAL

CAUTION

NO SMOKING
TURN OFF MOTOR AND RADIO
FUEL NOZZLE MUST BE HAND HELD
AND MANUALLY HELD OPEN

SIZE(IN.) COLOR
SIGN 14X20 BLK/YEL
LETTERS 3 YELLOW
1.5 BLACK
1 BLACK
TYPE: ADHESIVE

CAUTION

RED LIGHT INDICATES
CO₂ DISCHARGE
VENTILATE AND TEST FOR OXYGEN
DEFICIENCY BEFORE ENTERING

SIZE(IN.) COLOR
SIGN 7X10 BLK/YEL
LETTERS 1.625 YELLOW
0.5 BLACK
TYPE: ADHESIVE

STREAMFLOW
MEASURING STATION

U.S. GEOLOGICAL SURVEY
IN COOPERATION WITH
CALIFORNIA DEPARTMENT
OF WATER RESOURCES

SIZE(IN.) COLOR
SIGN 8.5X11 YELLOW
LETTERS 1 BLACK
0.75 BLACK
0.5 BLACK
TYPE: METAL

AUTHORIZED
VEHICLES
ONLY

SIZE(IN.) COLOR
SIGN 18X24 WHITE
LETTERS 4 RED
TYPE: METAL

PROJECT NO. 2079-CA
Middle Fork American River Project

6. **HELL HOLE
POWER HOUSE**

PLACER COUNTY WATER AGENCY
POWER SYSTEMS DIVISION

SIZE(IN.) COLOR
SIGN 7X10 WHITE
LETTERS RED
RED

TYPE: METAL

7. **WARNING**

THIS ROAD IS STEEP
CROOKED AND HAZARDOUS
NO TRAILERS OR BOATING PERMITTED
NO OVERNIGHT CAMPING
PERMISSION TO PASS
REVOCABLE AT ANY TIME

SIZE(IN.) COLOR
SIGN 36X48 BLUE
LETTERS 6 RED
3 WHITE
3 RED

TYPE: METAL

8. **NO TRESPASSING**

SIZE(IN.) COLOR
SIGN 4X24 BLUE
LETTERS 2.5 WHITE
TYPE: METAL

9. **CAUTION**

CUT OUT CO₂ SYSTEM
BEFORE
WORKING INSIDE

SIZE(IN.) COLOR
SIGN 10X14 BLK/YEL
LETTERS 2.25 YELLOW
1 BLACK
TYPE: ADHESIVE

10. **CAUTION**

HEARING PROTECTION
REQUIRED
IN THIS AREA

SIZE(IN.) COLOR
SIGN 10X14 BLK/YEL
LETTERS 2.25 YELLOW
1 BLACK
TYPE: ADHESIVE

PROJECT NO. 2079-CA
Middle Fork American River Project

21.

WELCOME TO FRENCH MEADOWS RESERVOIR RECREATION AREA
RECREATION FACILITIES ARE WITHIN THE MIDDLE FORK AMERICAN RIVER PROJECT
OWNED BY PLACER COUNTY WATER AGENCY UNDER FEDERAL ENERGY REGULATORY
COMMISSION LICENSE No. 2079. RECREATION FACILITIES ARE OWNED
OPERATED AND MAINTAINED BY THE U.S. FOREST SERVICE
FOR FURTHER RECREATION INFORMATION PLEASE CONTACT
UNITED STATES FOREST SERVICE, FORESTHILL RANGER STATION, FORESTHILL CA.
OR PLACER COUNTY WATER AGENCY, FORESTHILL CA.
ALL FACILITIES ARE OPEN TO THE PUBLIC WITHOUT DISCRIMINATION

	SIZE(IN.)	COLOR
SIGN	20X36	WHITE
LETTERS	2	BLACK
	1	BLACK

TYPE: METAL

22.

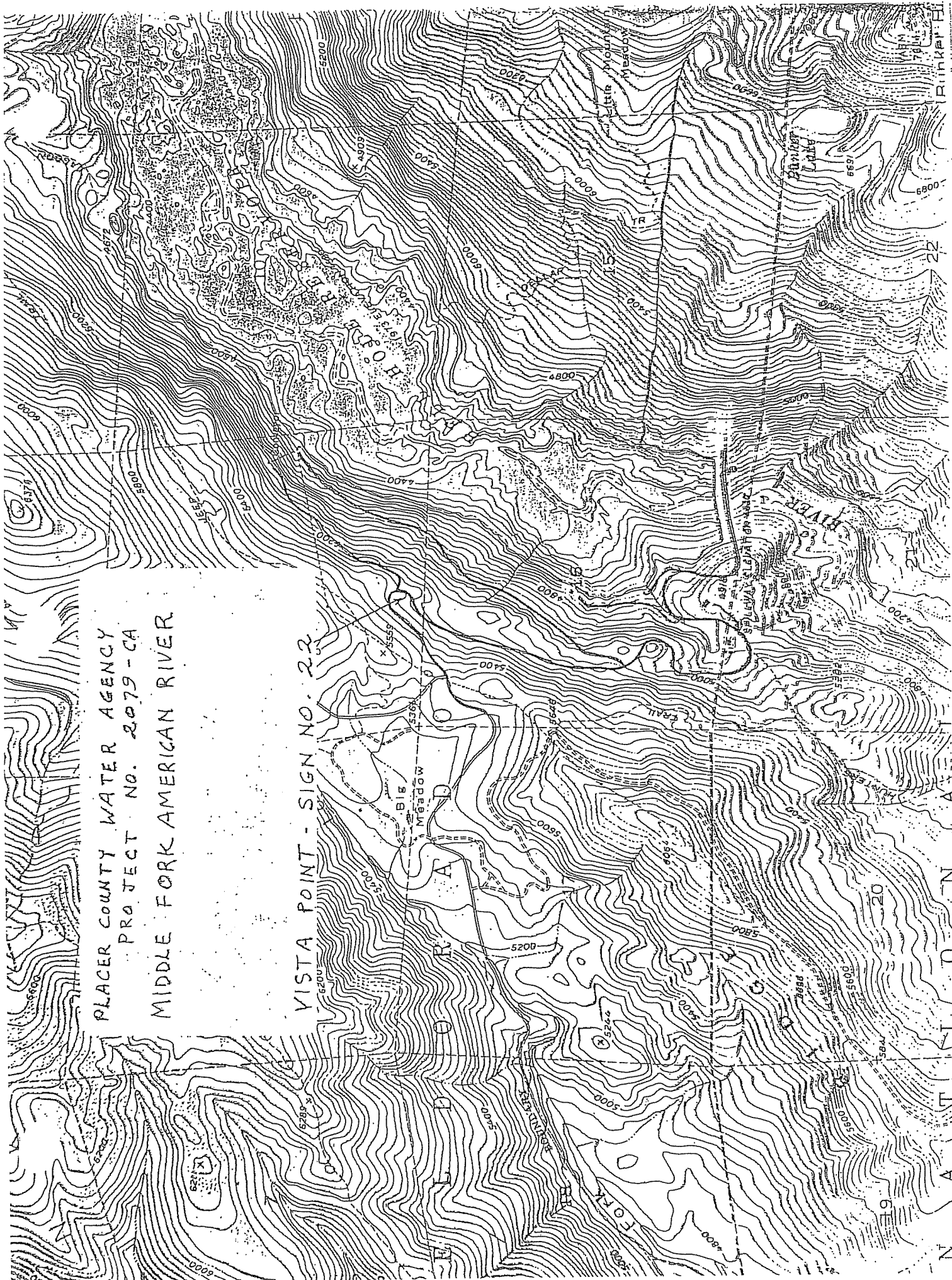
WELCOME TO HELL HOLE RESERVOIR RECREATION AREA
RECREATION FACILITIES ARE WITHIN THE MIDDLE FORK AMERICAN RIVER PROJECT
OWNED BY PLACER COUNTY WATER AGENCY UNDER FEDERAL ENERGY REGULATORY
COMMISSION LICENSE No. 2079. RECREATION FACILITIES ARE OWNED
OPERATED AND MAINTAINED BY THE U.S. FOREST SERVICE
FOR FURTHER RECREATION INFORMATION PLEASE CONTACT
UNITED STATES FOREST SERVICE, GEORGETOWN RANGER STATION, GEORGETOWN CA.
OR PLACER COUNTY WATER AGENCY, FORESTHILL CA.
ALL FACILITIES ARE OPEN TO THE PUBLIC WITHOUT DISCRIMINATION

	SIZE(IN.)	COLOR
SIGN	20X36	WHITE
LETTERS	2	BLACK
	1	BLACK

TYPE: METAL

PLACER COUNTY WATER AGENCY
PROJECT NO. 2079-CA
MIDDLE FORK AMERICAN RIVER

VISTA POINT - SIGN NO. 22



PLACER COUNTY WATER AGENCY
F.E.R.C. PROJECT NO. 2079
NORTH FORK AND SOUTH FORK
LONG CANYON CREEK DIVERSION
DAMS

U.S. G.S. TOPOGRAPHIC MAP
BUNKER HILL, CA, T. 14N., R. 13E.

1862 II SE
BRUSHY SPRING, S. 6.4 MI.
(GREEK STORE)

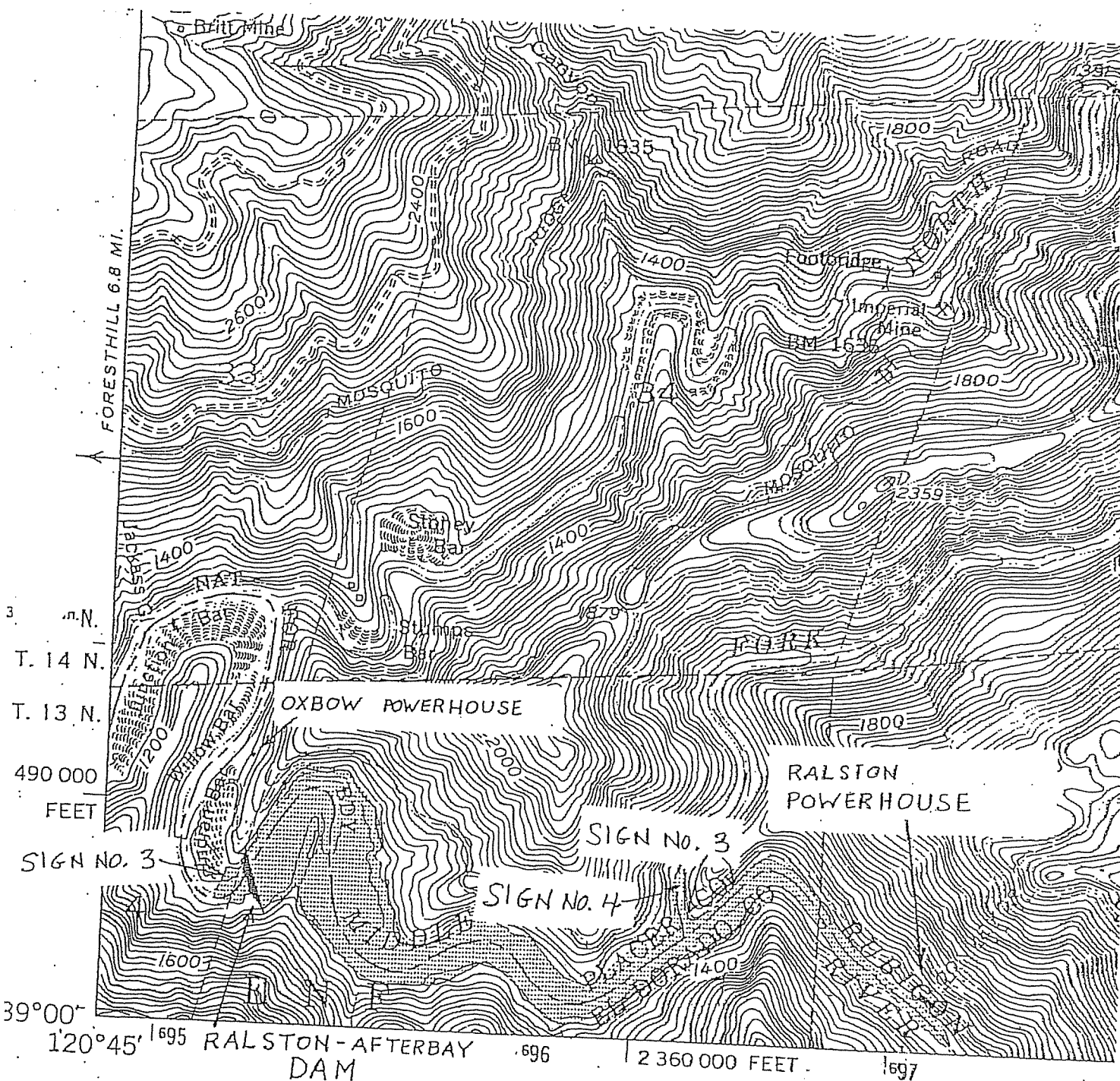
NORTH FORK LONG
CANYON CREEK
DIVERSION DAM
SIGN NO. 14

SOUTH FORK LONG
CANYON CREEK
DIVERSION DAM

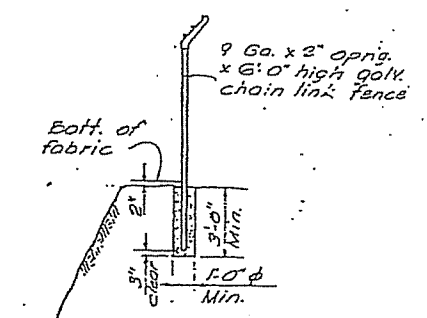
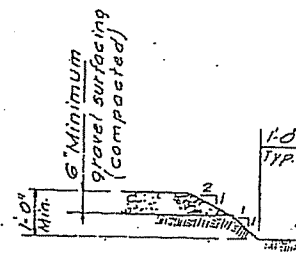
Lower
Meadow

N

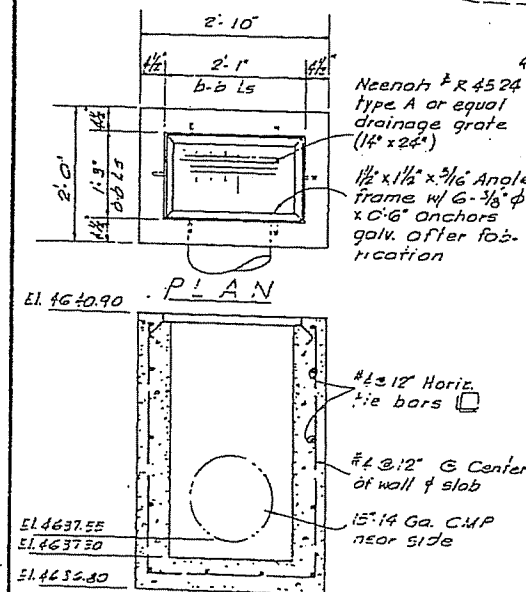
N



PLACER COUNTY WATER AGENCY
 PROJECT NO. 2079 - CA
 MIDDLE FORK AMERICAN RIVER PROJECT

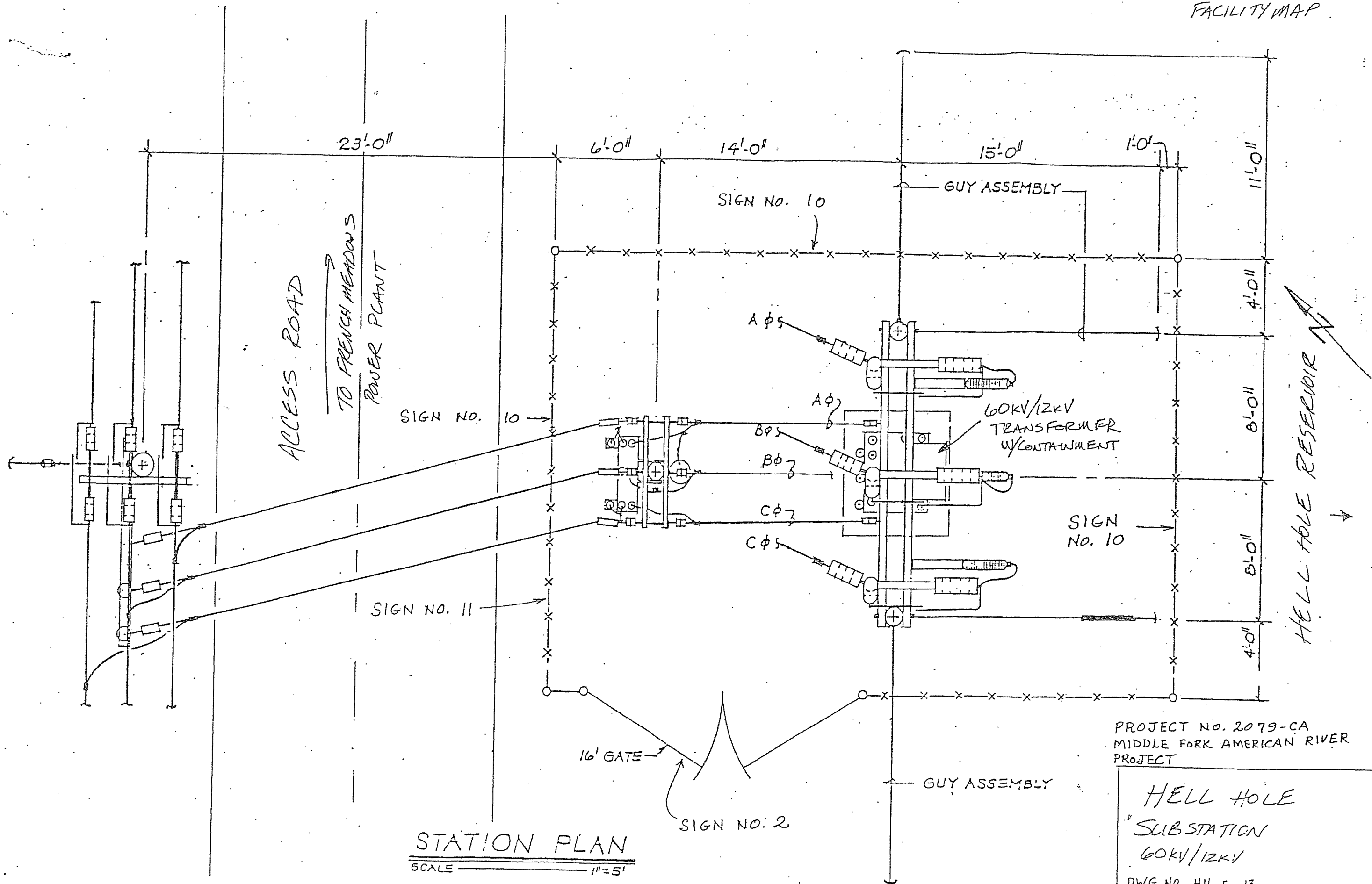


NOTE: SIGN NO. 10
Where fence crosses ditch section, 1" dia. steel bars shall be driven or drilled & grouted for entire width of opening. The bars shall be embedded a minimum of one foot & shall extend six inches above the bottom of the fence fabric.



NOTE: SEE SIGN KEY FOR FORM, WORDING, LEGEND AND SIZE OF SIGNS

PLACER COUNTY WATER AGENCY MIDDLE FORK AMERICAN RIVER PROJECT	
FRENCH MEADOWS POWER PLANT YARD GRADING AND DRAINAGE PLAN	
DESIGNED BY McCREARY - KORETSKY - ENGINEERS SAN FRANCISCO	CHECKED BY DATE 5/5/13
REVISIONS 53-15-203	



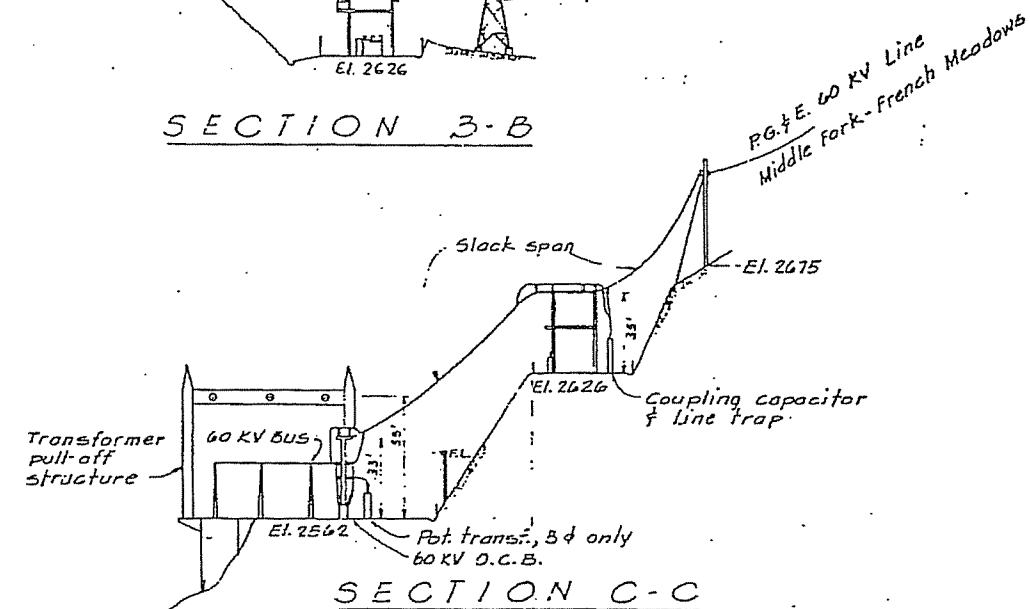
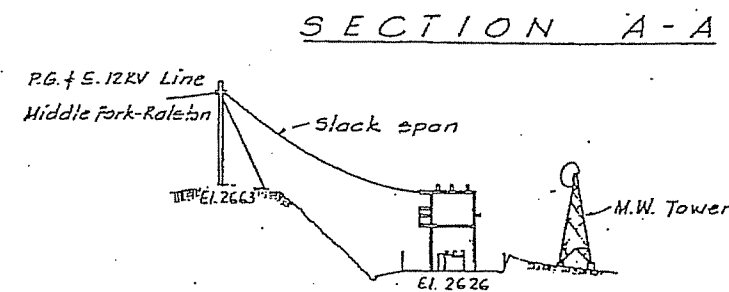
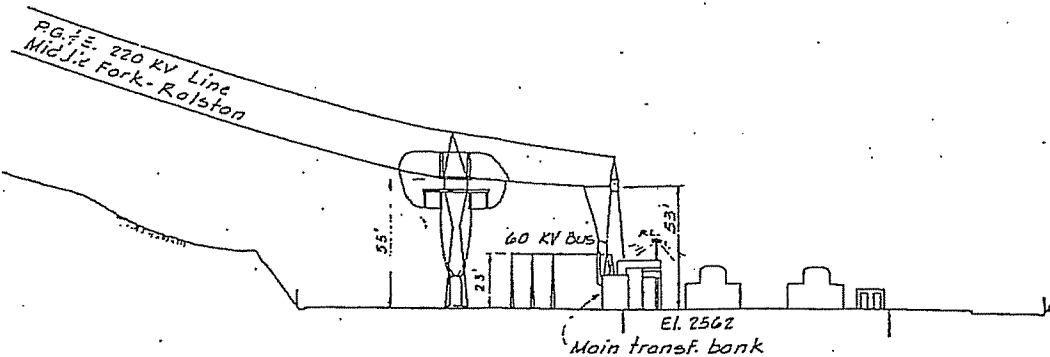
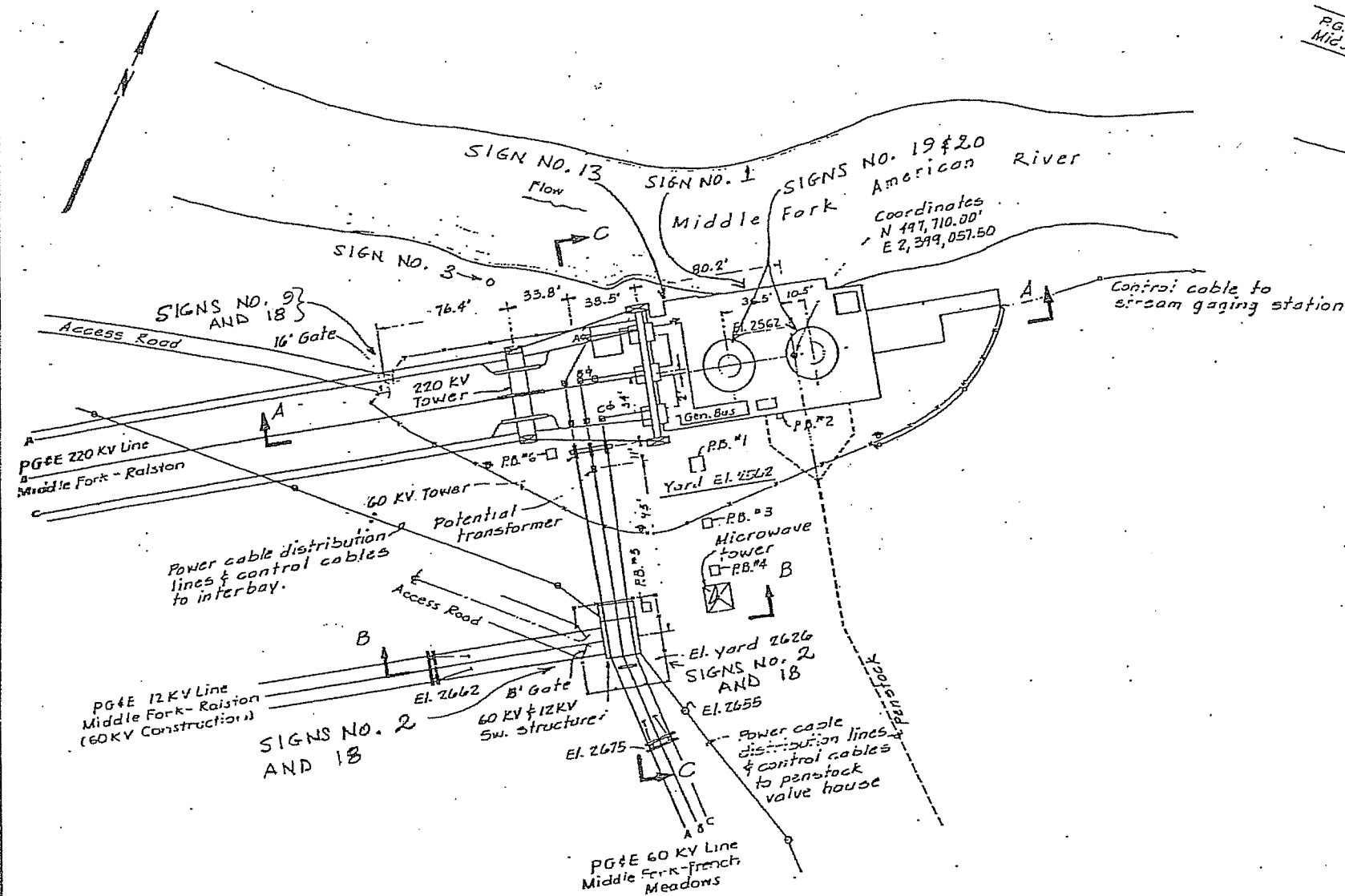
STATION PLAN
SCALE 1"=5'

NOTE: SEE SIGN KEY FOR FORM, WORDING, AND SIZE OF SIGNS

PROJECT NO. 2079-CA
MIDDLE FORK AMERICAN RIVER
PROJECT

HELL HOLE
SUBSTATION
60KV/12KV

DWG NO. HH-E-13
DATE: 2-5-93



NOTE: SEE SIGN KEY FOR FORM, WORDING
AND SIZE OF SIGNS

REFERENCE DRAWINGS:

Yard Grading & Drainage Plan ----- 103-15-201
General Arrangement ----- 103-15-202 to 204
Power, Control & Communications Lines ----- 103-23-240
In Vicinity
Arrangement of Lighting - Outdoors ----- 103-20-601
Arrangement of 230 KV & 60 KV Sw. & Bus Str. ----- 103-23-250 to 272
Arrangement of Aux. Sta. Service Sw. & Bus Str. ----- 103-23-275 & 276

40 0 40 80 120
1" = 40'

PLACER COUNTY WATER AGENCY
MIDDLE FORK AMERICAN RIVER PROJECT
MIDDLE FORK
POWER PLANT
GENERAL ARRANGEMENT
OUTDOOR



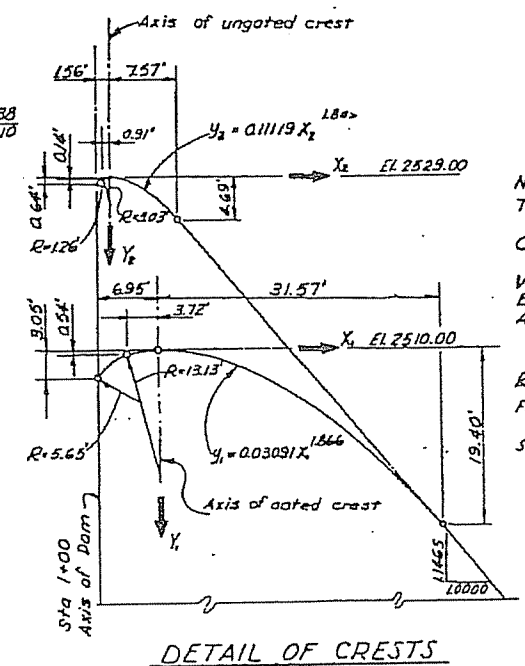
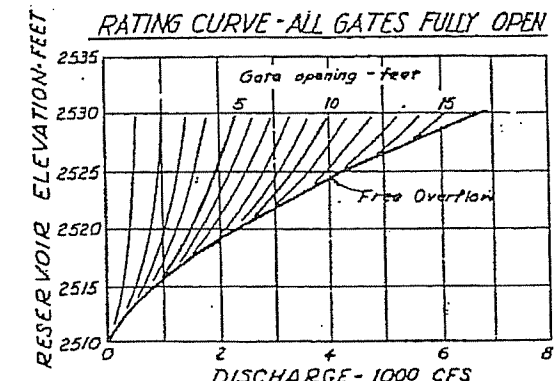
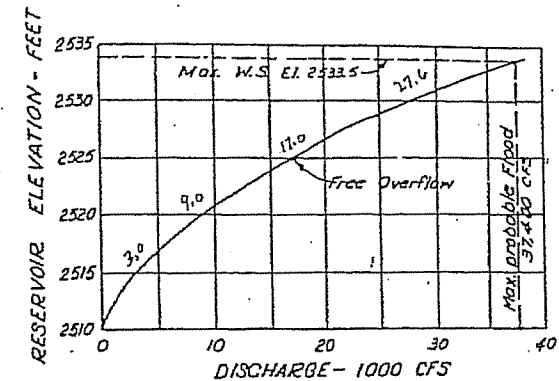
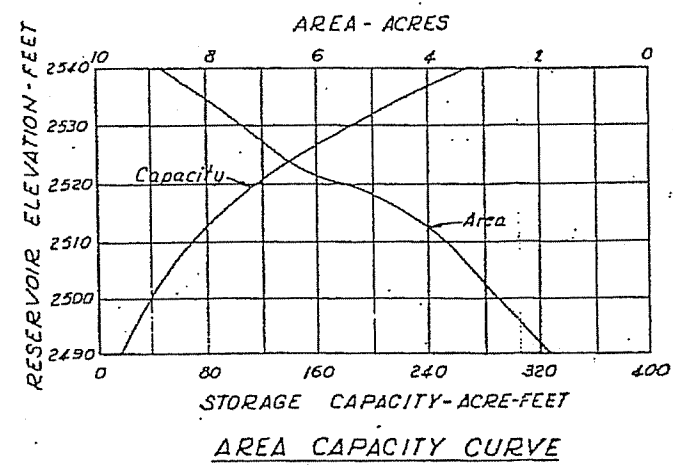
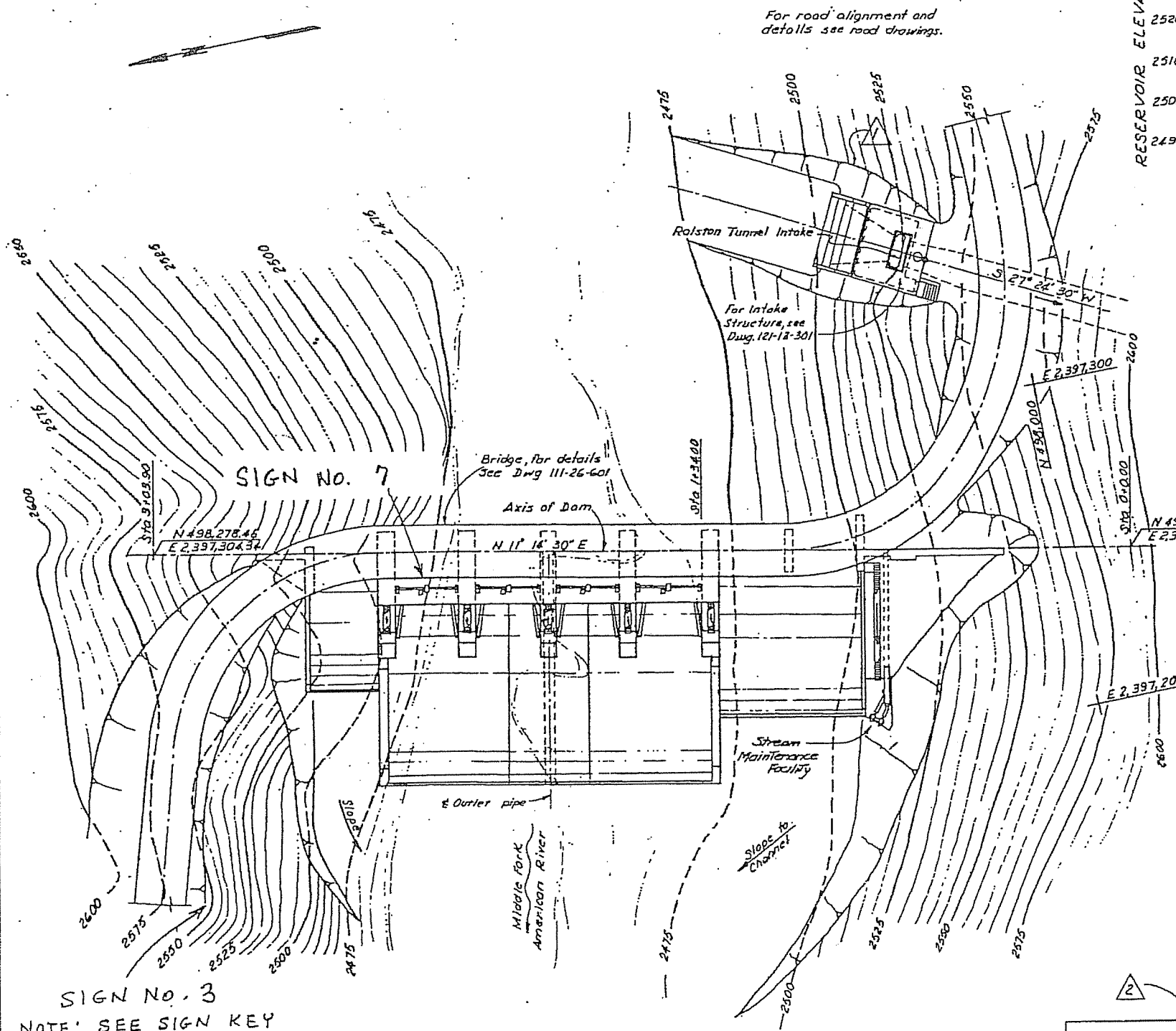
MKE McCREARY - KURETSKY - ENGINEERS
SAN FRANCISCO SACRAMENTO

DESIGNED BY AH DATE 7-7-62 DRAWING NO. 103-15-200

REVISIONS

CHECKED BY DATE 7-7-62

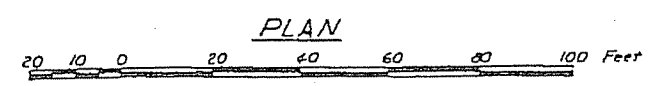
10 E 3 103-15-200



NOTES:
 Topography prepared by Claire A. Hill and Associates
 Redding, California
 Coordinates are based on the California Coordinate
 System, Zone 2.
 Vertical Datum is U.S.C. & G.S. Mean Sea Level.
 Bearings are based on Grid North.
 All concrete shall be class B.

REFERENCE DRAWINGS:
 For Arrangement of Electrical Equipment at Interbay Dam and Ralston
 Intake, See Dwg. 103-25-242
 See 'List of Drawings' under heading Interbay, scbheadings Dam,
 and Bridge for titles and numbers of drawings pertinent to
 features shown on this layout.

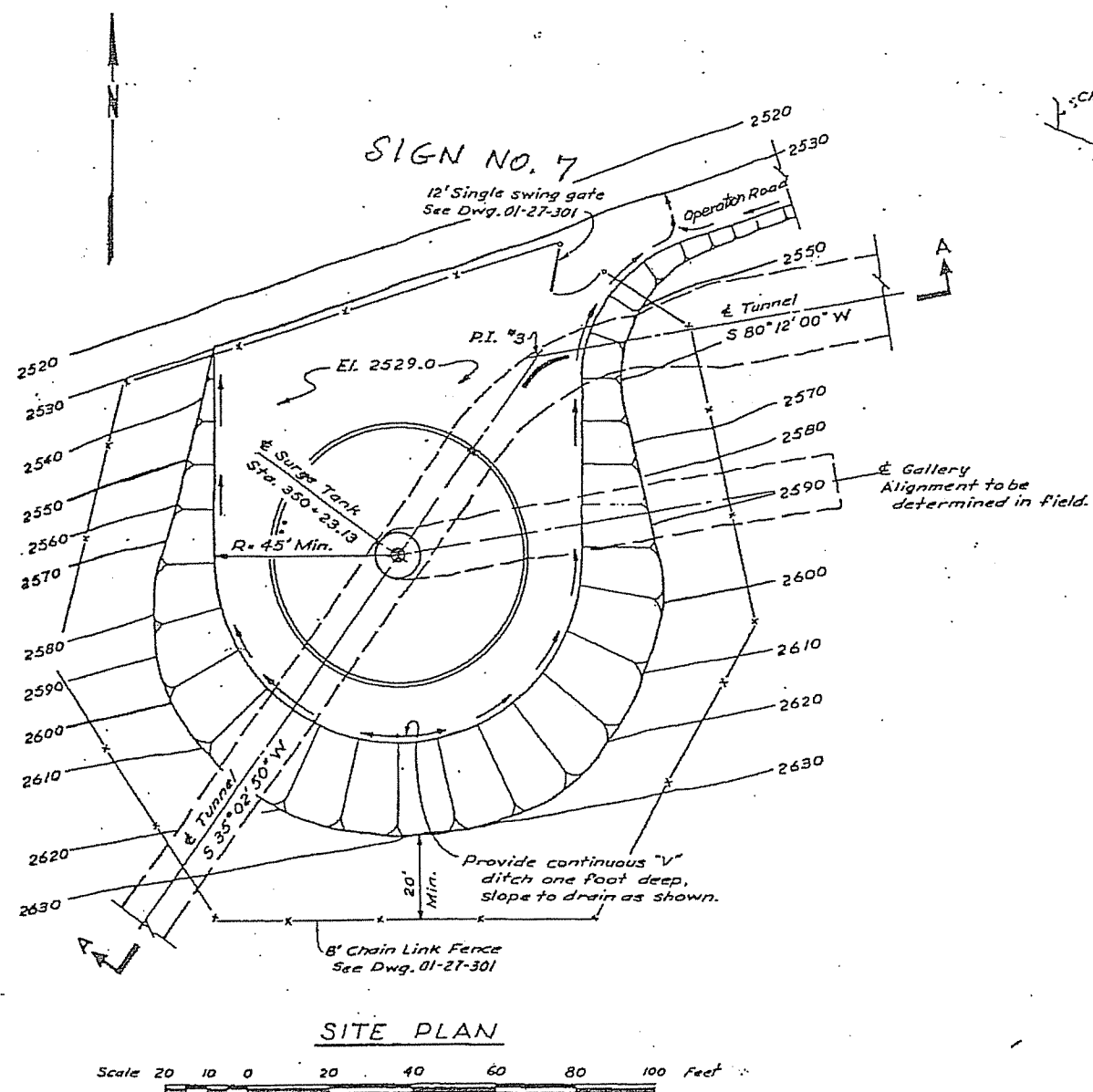
SIGN NO. 3
 NOTE: SEE SIGN KEY
 FOR FORM, WORDING,
 AND SIZE OF SIGNS



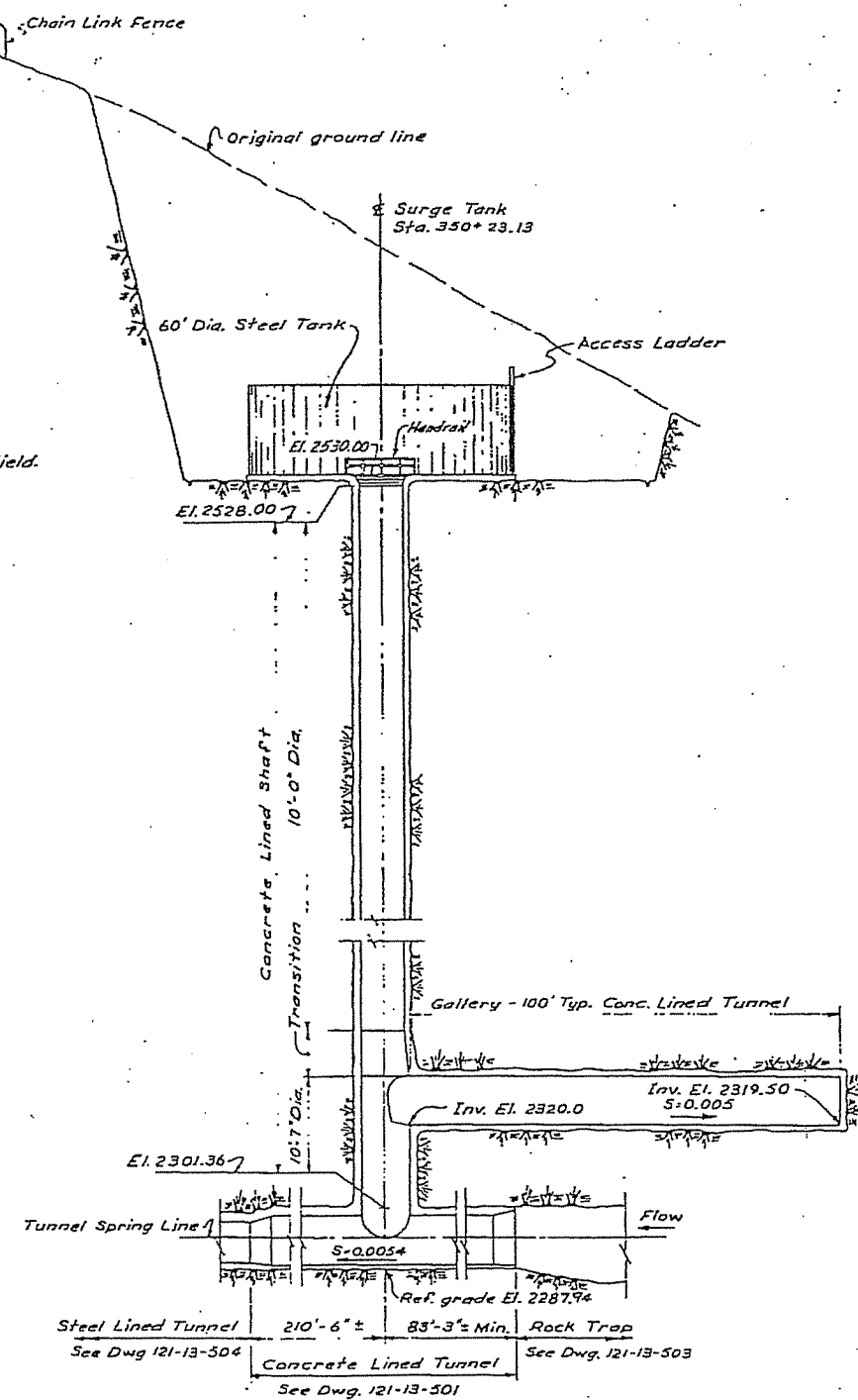
STATE OF CALIFORNIA
 DEPARTMENT OF WATER RESOURCES
 APPLICATION NO. 1030-3
 APPROVED AS TO SAFETY
 FOR THE CHIEF ENGINEER
 Feb. 5, 1963 *W. G. Brown*
 Supervisor, Safety of Dams

Joseph K. Kretsky
 REGISTERED PROFESSIONAL ENGINEER
 No. 7122
 CIVIL
 STATE OF CALIFORNIA

PLACER COUNTY WATER AGENCY MIDDLE FORK AMERICAN RIVER PROJECT	
INTERBAY DAM GENERAL LAYOUT	
DESIGNED BY <i>I.T.K.</i>	DRAWN BY <i>J.H.</i>
CHECKED BY <i>J.P.K.</i>	DATE Dec. 3, 1962
REVISIONS 1. Change excavation line 2. State Approval 2-5-63	
PROJECT NO. 103-05-201	



NOTE: SEE SIGN KEY FOR FORM, WORDING, AND SIZE OF SIGNS



NOTES:
Following are maximum allowable slopes for excavated materials, except that structure lines will govern where concrete is placed against rock:
Sound rock 1 horizontal to 4 vertical
Weathered rock 1 " 2 "
Overburden 3 " 2 "
Slopes shall be left safe and free from potential rock falls or slides.

PLACER COUNTY WATER AGENCY
MIDDLE FORK AMERICAN RIVER PROJECT

RALSTON
TUNNEL
SURGE TANK
GENERAL ARRANGEMENT

MKE - McCREARY - KORETSKY - ENGINEERS
SAN FRANCISCO

DESIGNED BY
DRAWN BY
CHECKED BY
DATE
12/14/52

REVISIONS
12 C 1
121-13-601

