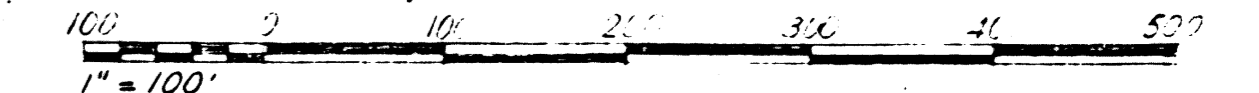


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San Francisco

EXHIBIT L  
SHEET 3

REVISED FEB. 10, 2000 - SPILLWAY MODIFICATIONS

REVISED OCT. 20, 1977



REVISED NOV. 15, 1967 - AS BUILT

REVISED AUG. 1, 1962

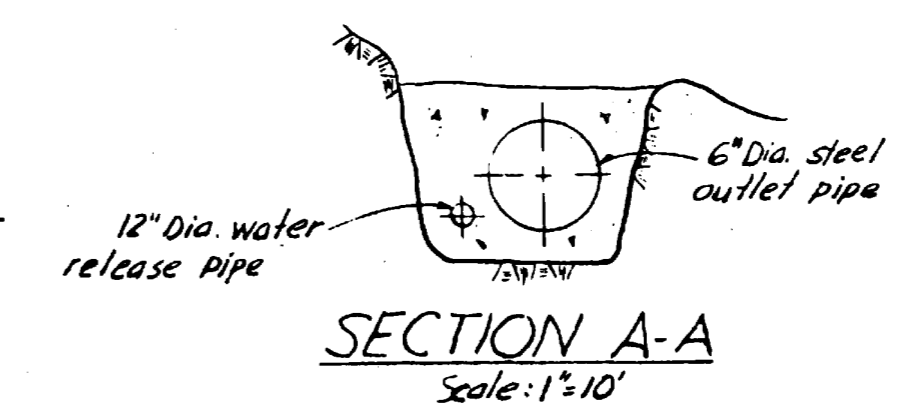
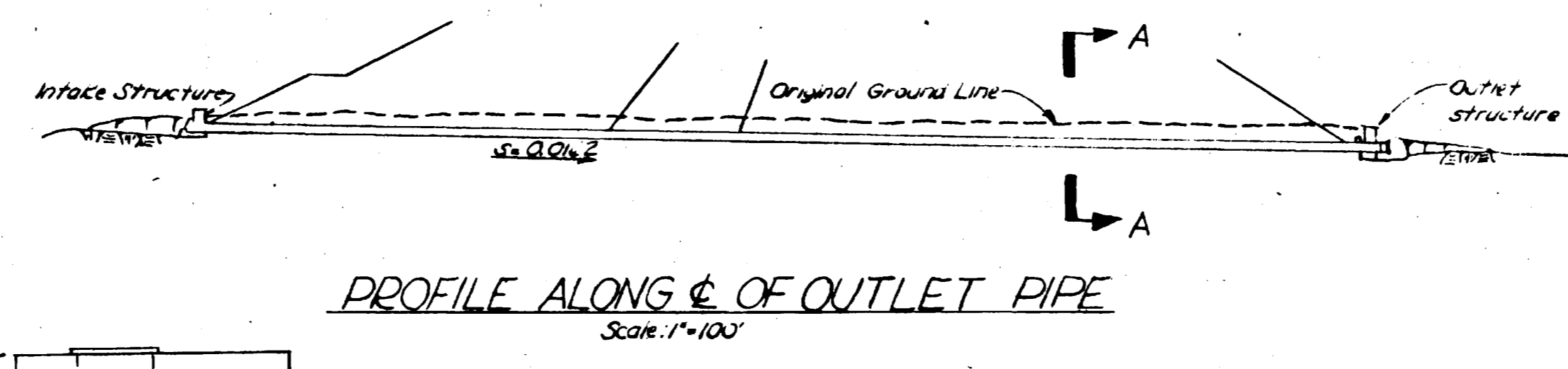
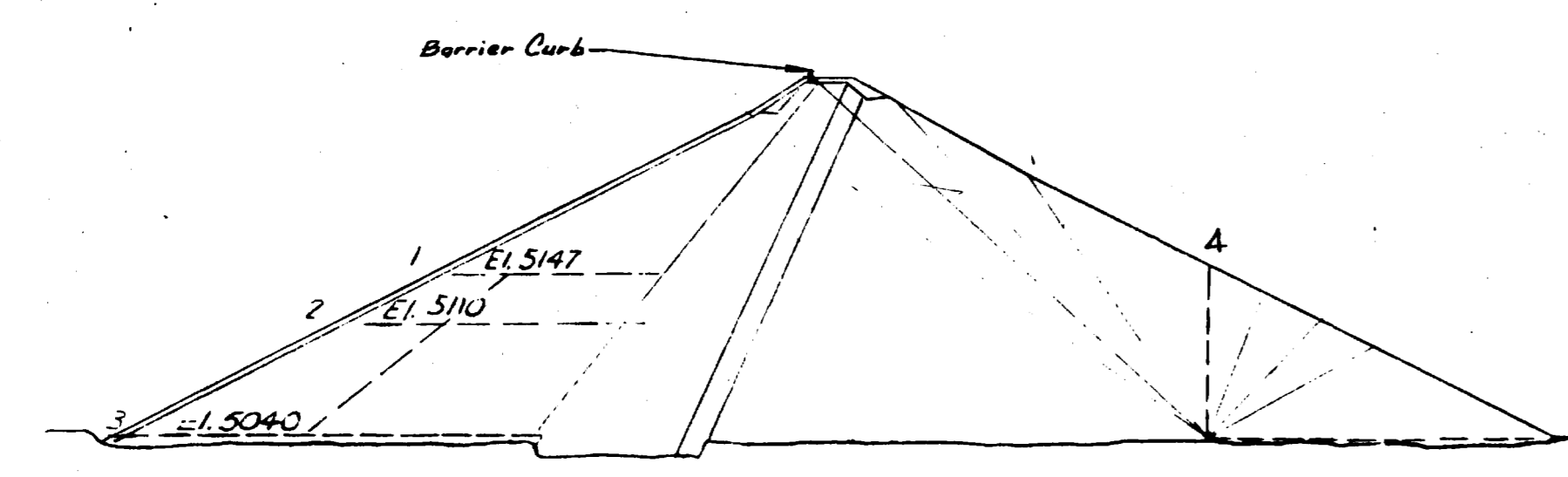
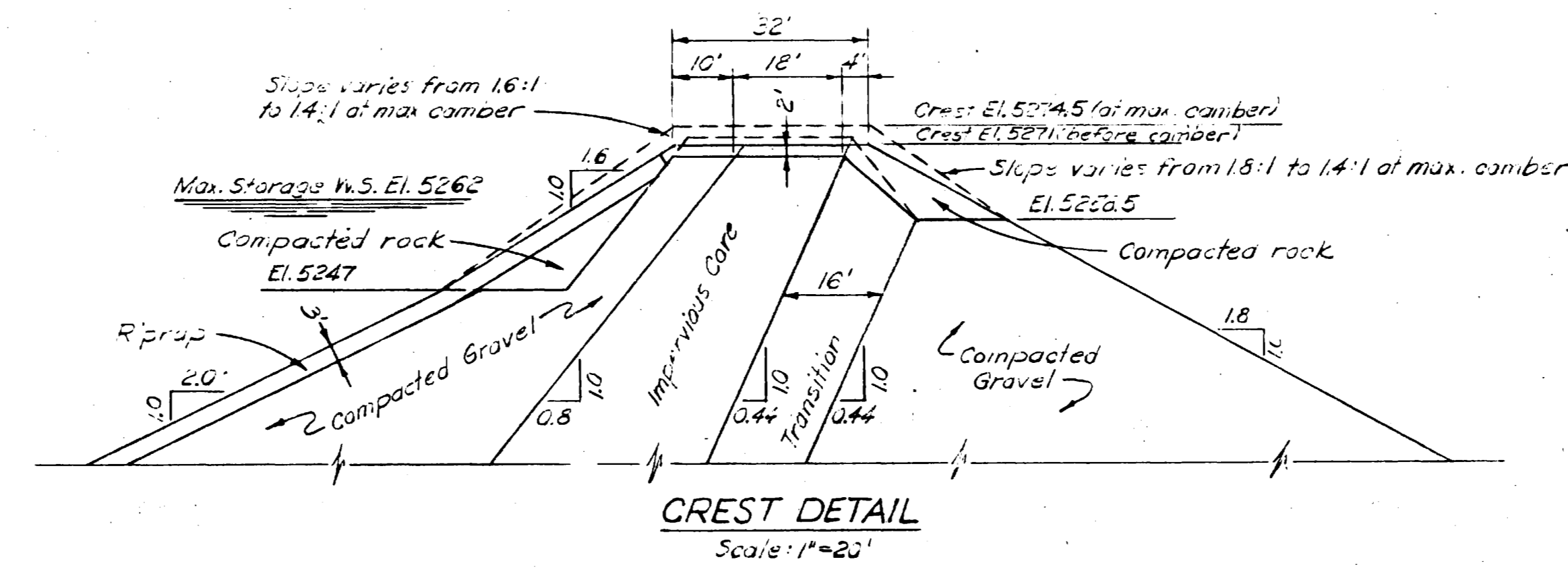
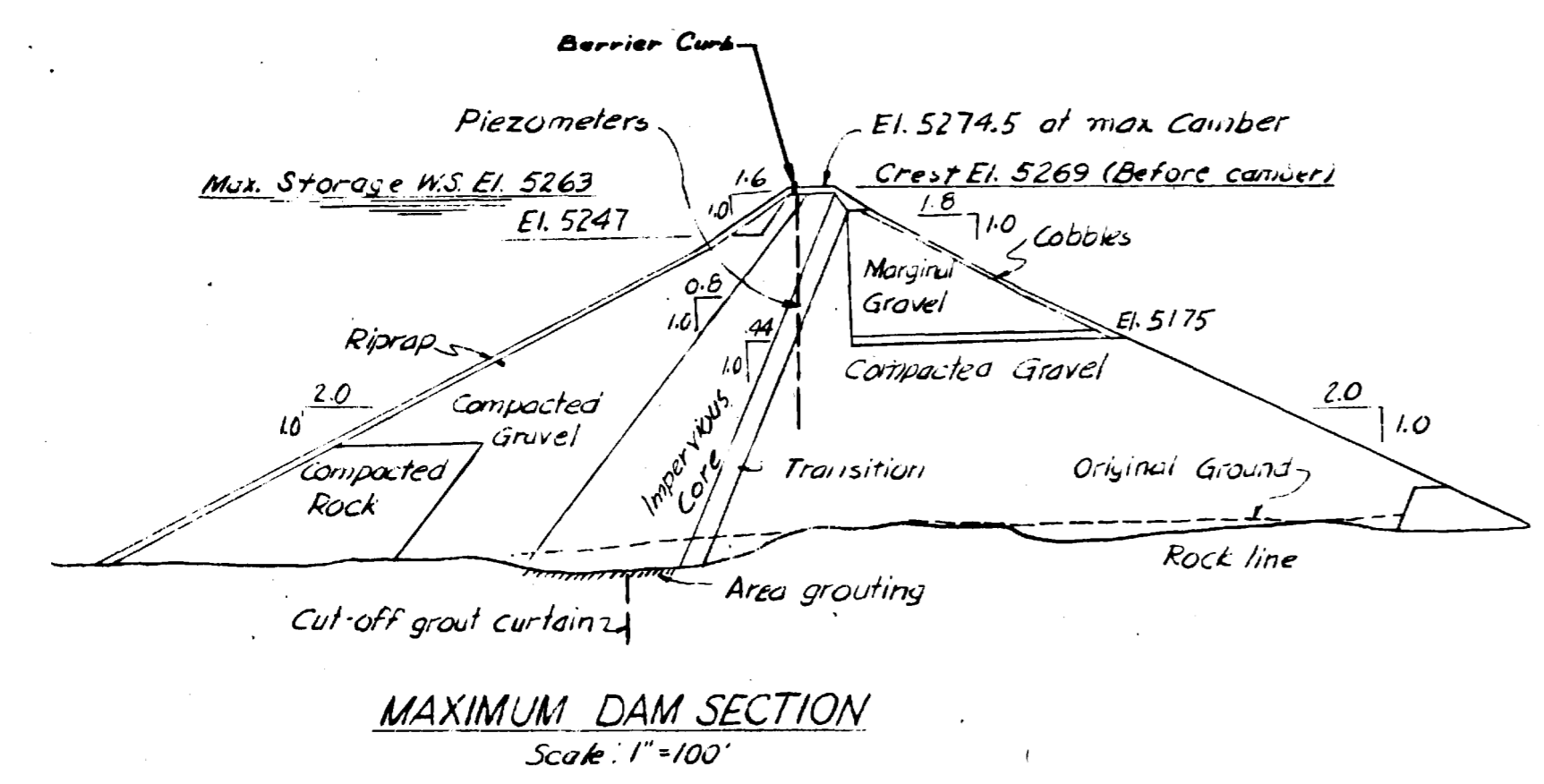
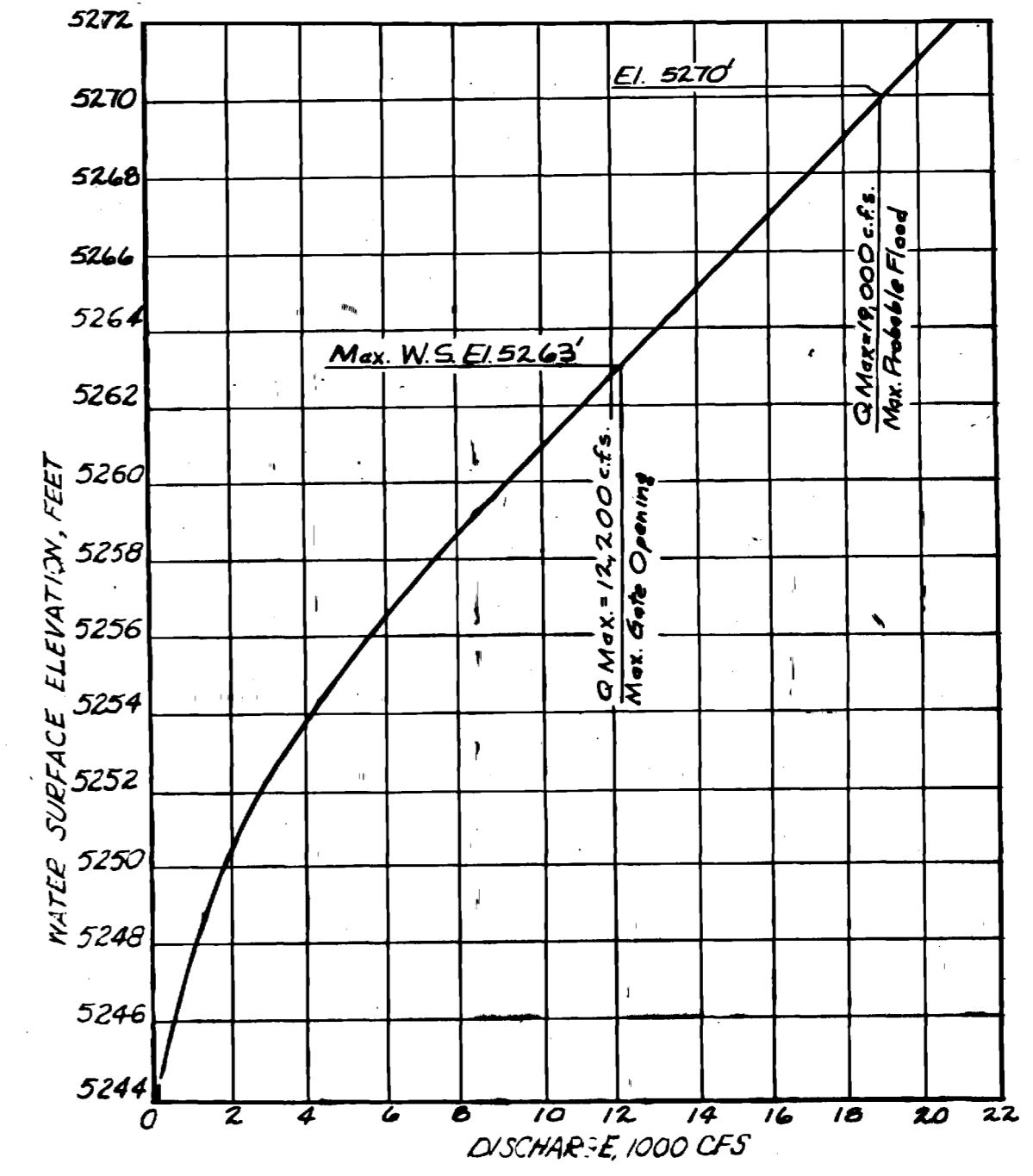
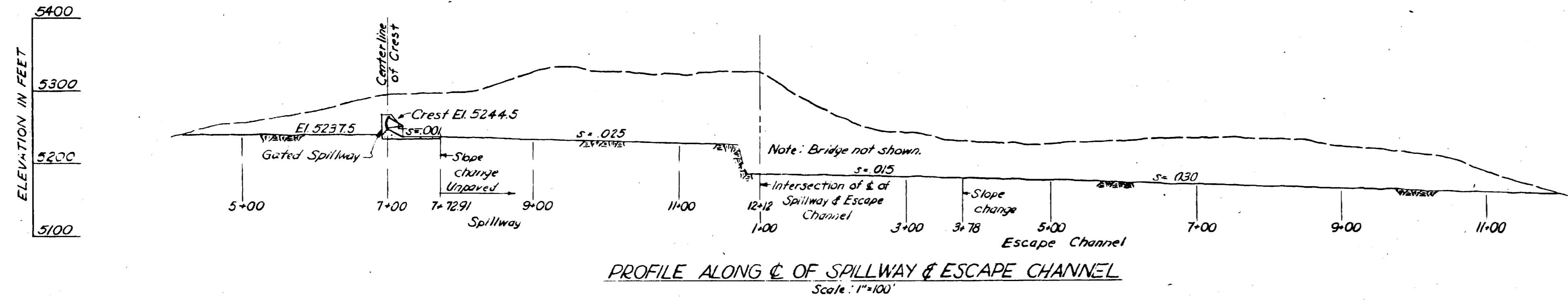
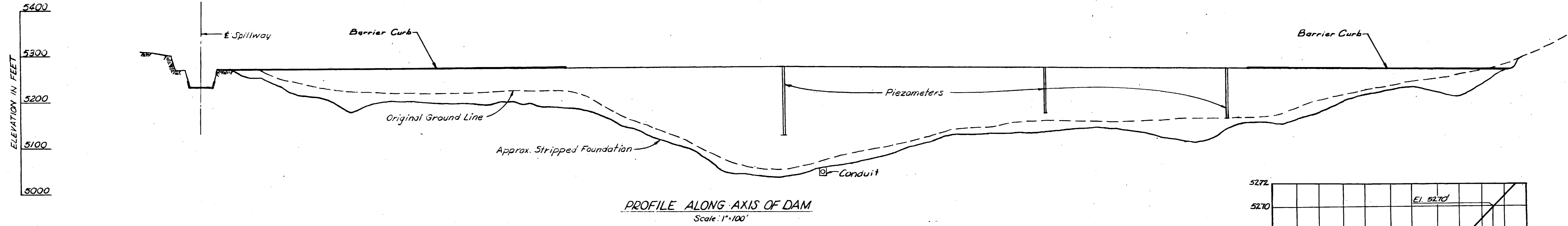
PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
FRENCH MEADOWS DAM  
PLAN  
SCALE 1" = 100'  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

Shotcrete  
Riprap

This drawing is a part of the application for license made by the undersigned this 7<sup>th</sup> day of January 1968

Placer County Water Agency  
By: *Mark J. Jasi*  
Chairman, Board of Directors

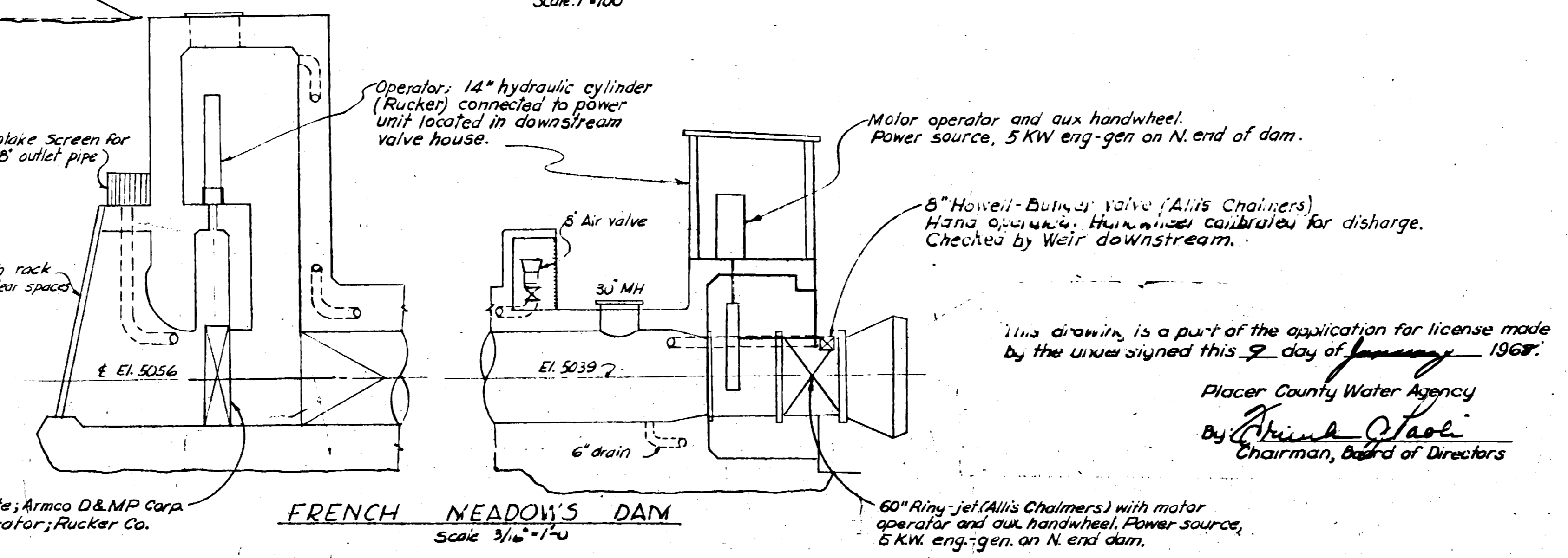
54



MATERIAL CHARACTERISTICS			
PROPERTY	UNIT	US & D'S SHELL	COBE
Saturated Weight	P.C.F.	142.4	130.0
Moist Weight	P.C.F.	127.4	127.0
Submerged Weight	P.C.F.	80.0	67.6
Angle of Friction	φ°	36	34
Cohesion	P.S.F.	0	0

FACTORS OF SAFETY			
Plane of Analysis	Upstream W.S. - El.	F.S.	Remarks
1	5200	1.81	Sudden drawdown
2	5170	1.82	Sudden drawdown
3	5110	1.82	Sudden drawdown
4		1.13	Critical DS Plane

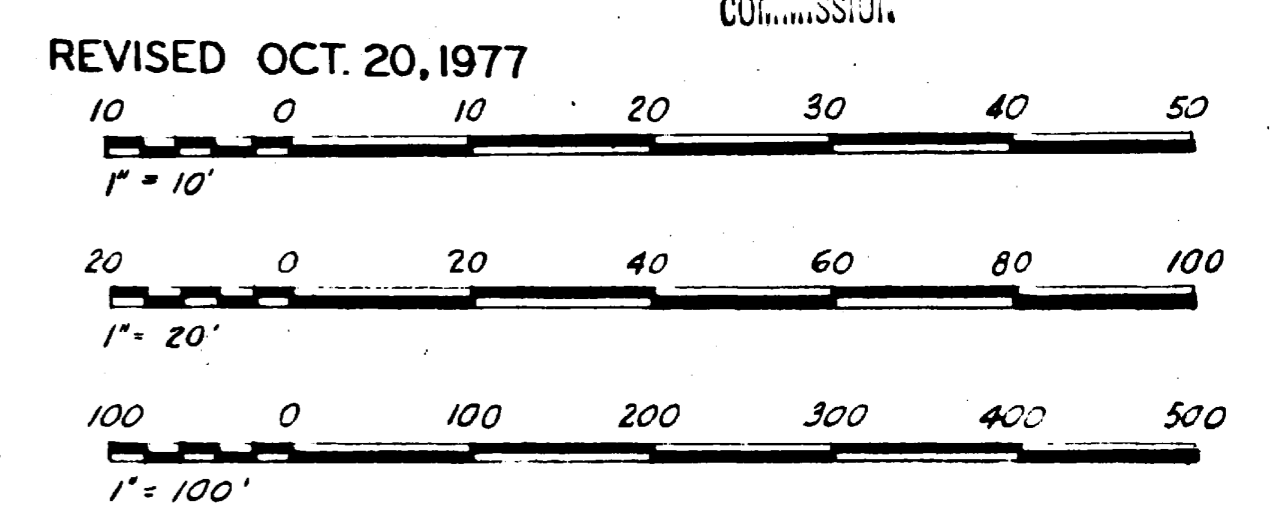
STABILITY ANALYSIS



This drawing is a part of the application for license made by the user signed this 9 day of January 1968.

Placer County Water Agency  
By *Arvid O. Paul*  
Chairman, Board of Directors

EXHIBIT L  
SHEET 4  
RECEIVED  
JUL 1 1968  
FEDERAL POWER  
COMMISSION

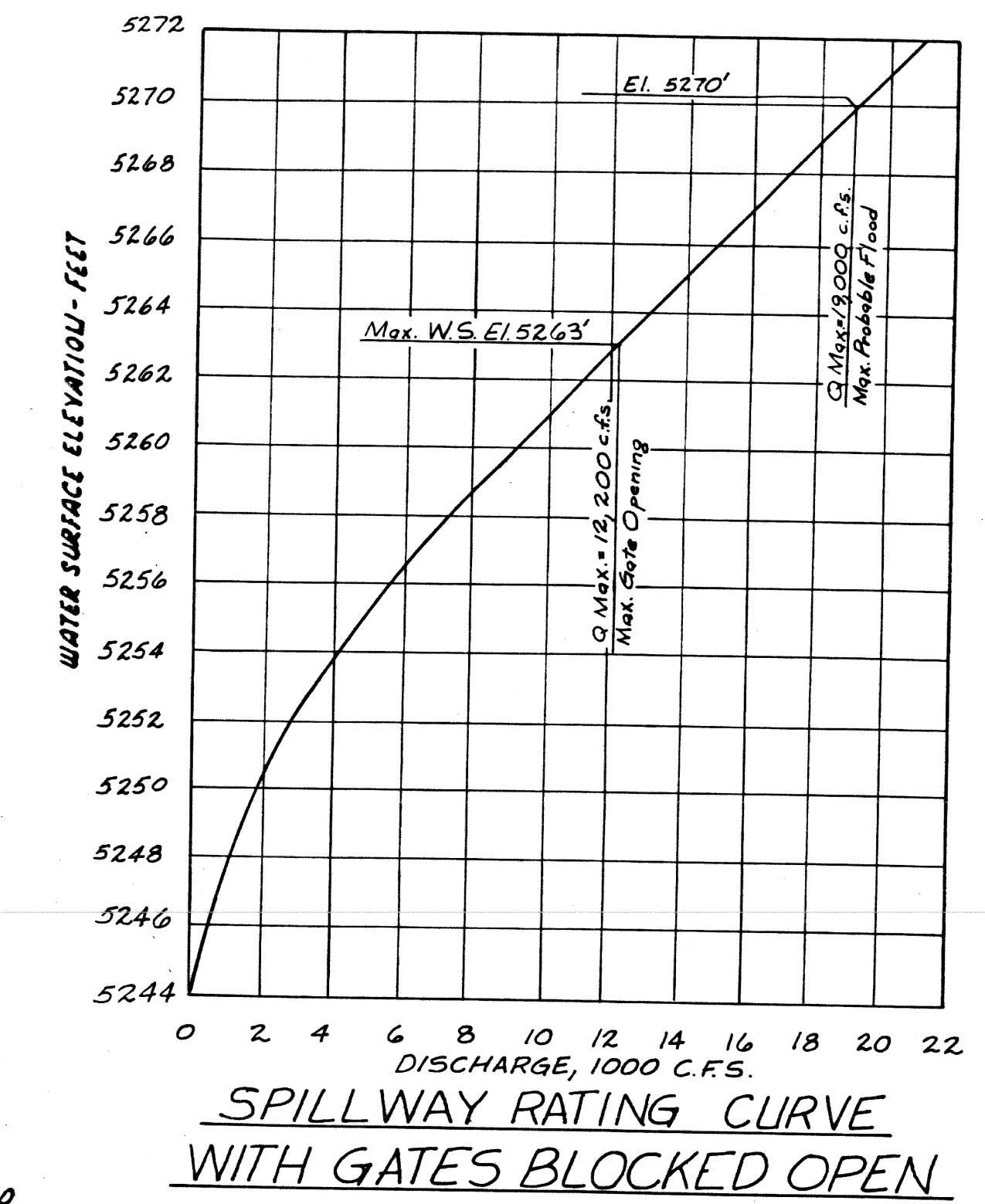
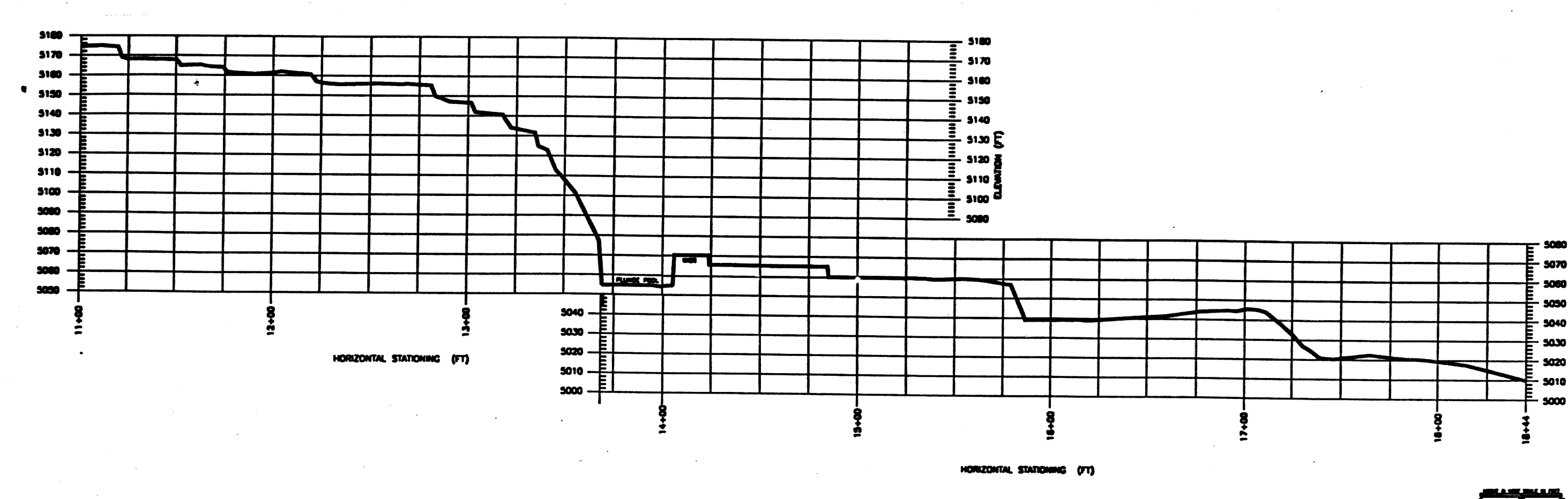
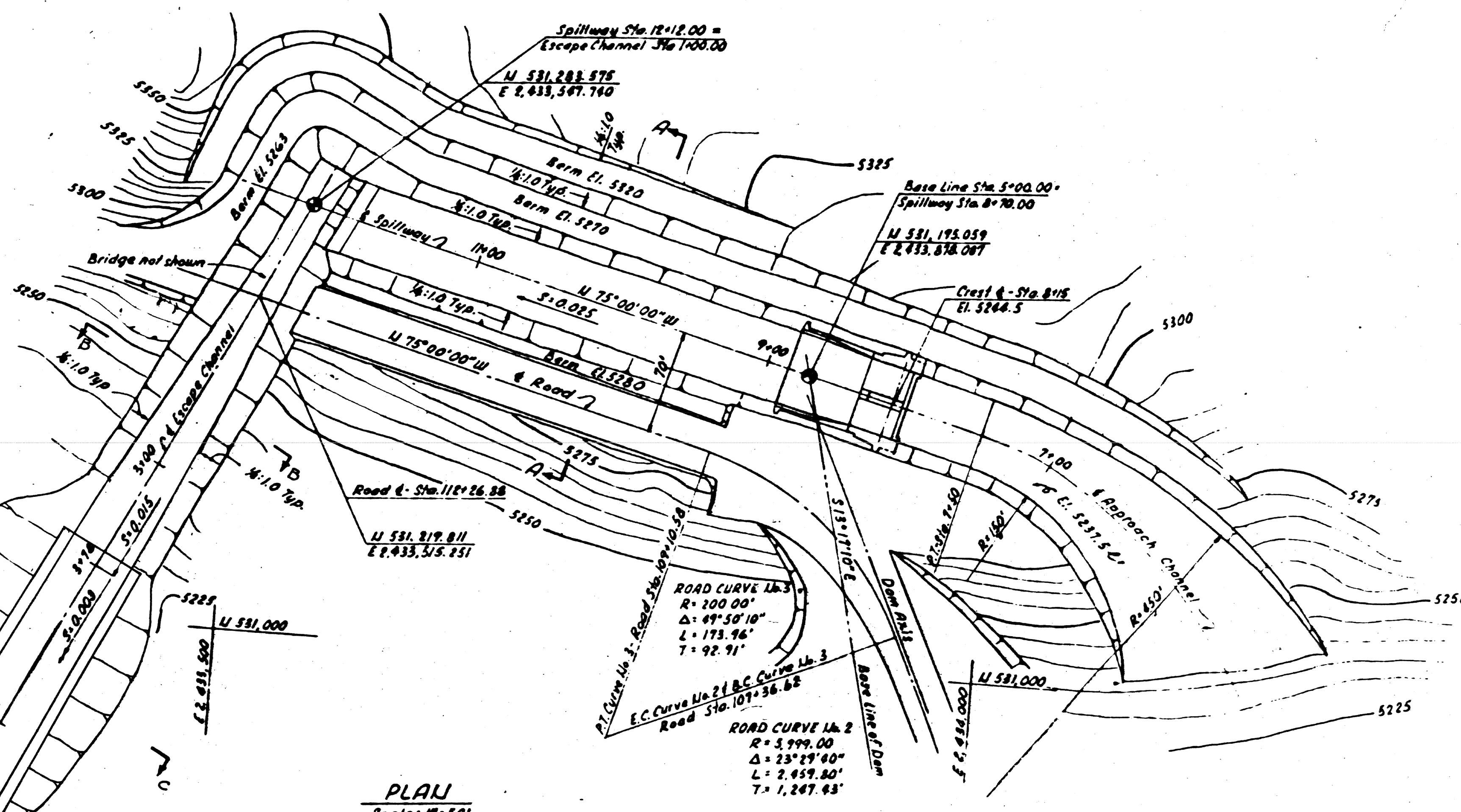
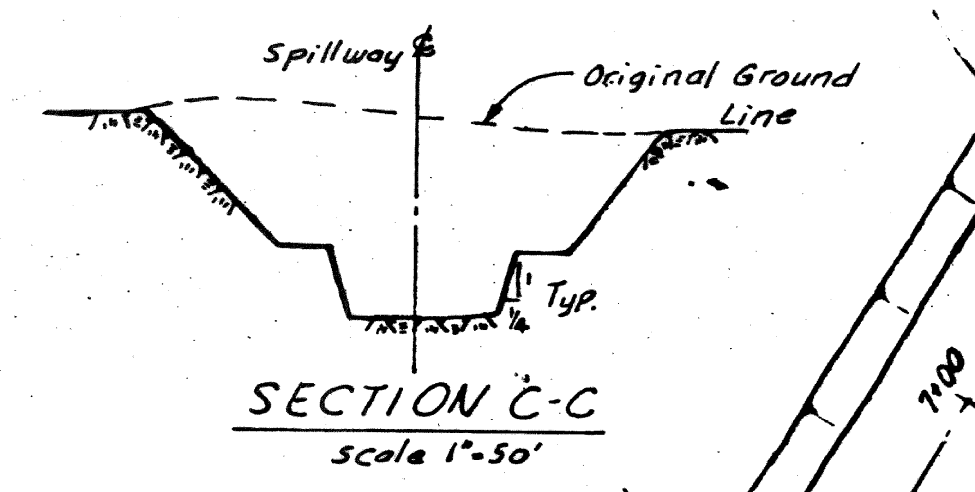
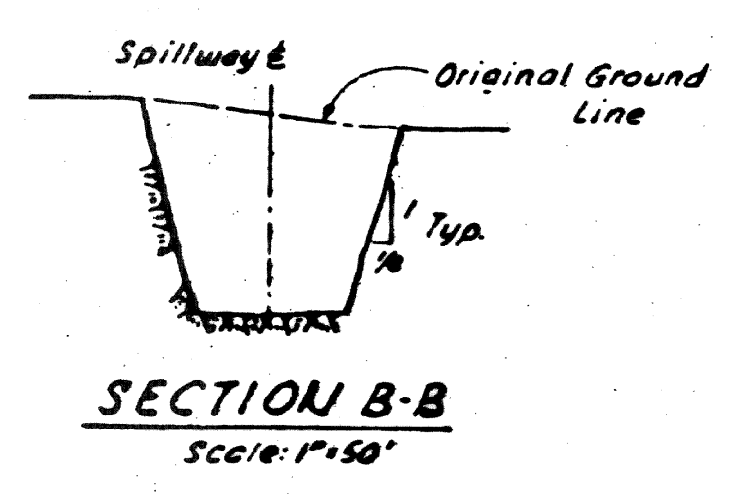
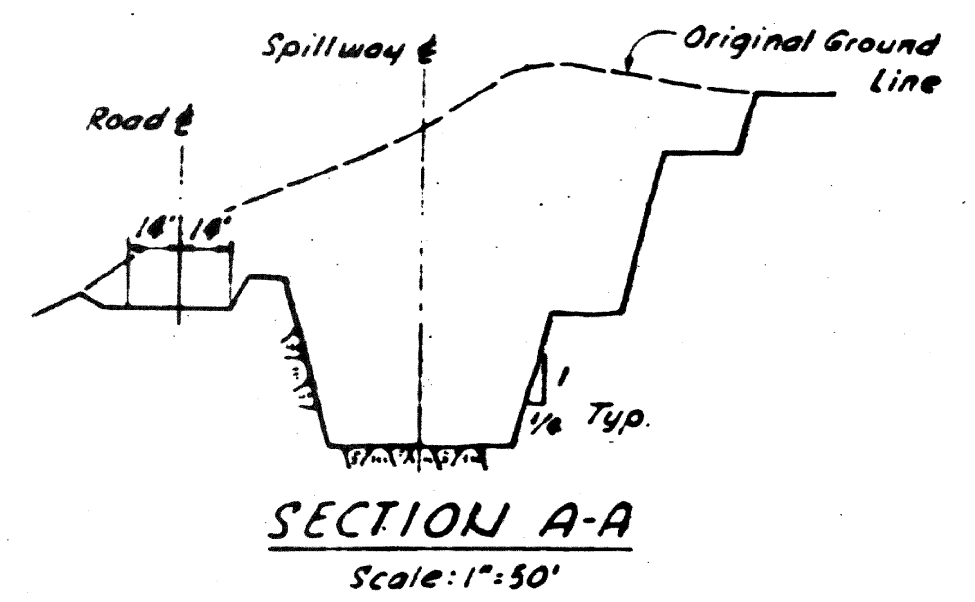


REVISED OCT. 20, 1977  
REVISED NOV. 15, 1967 - AS BUILT  
REVISED AUG. 1, 1962

PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
FRENCH MEADOWS DAM  
SECTIONS AND DETAILS  
SCALE AS SHOWN  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

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San Francisco Sacramento

55

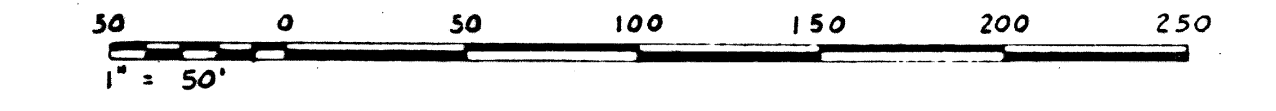


NOTE: This drawing is a final contract in a preliminary state

EXHIBIT L  
SHEET 5

REVISED FEB. 10, 2000 - SPILLWAY MODIFICATIONS

REVISED OCT. 20, 1977



REVISED NOV. 15, 1967 - AS BUILT  
REVISED AUG. 1, 1962 - ADDED DRAWING

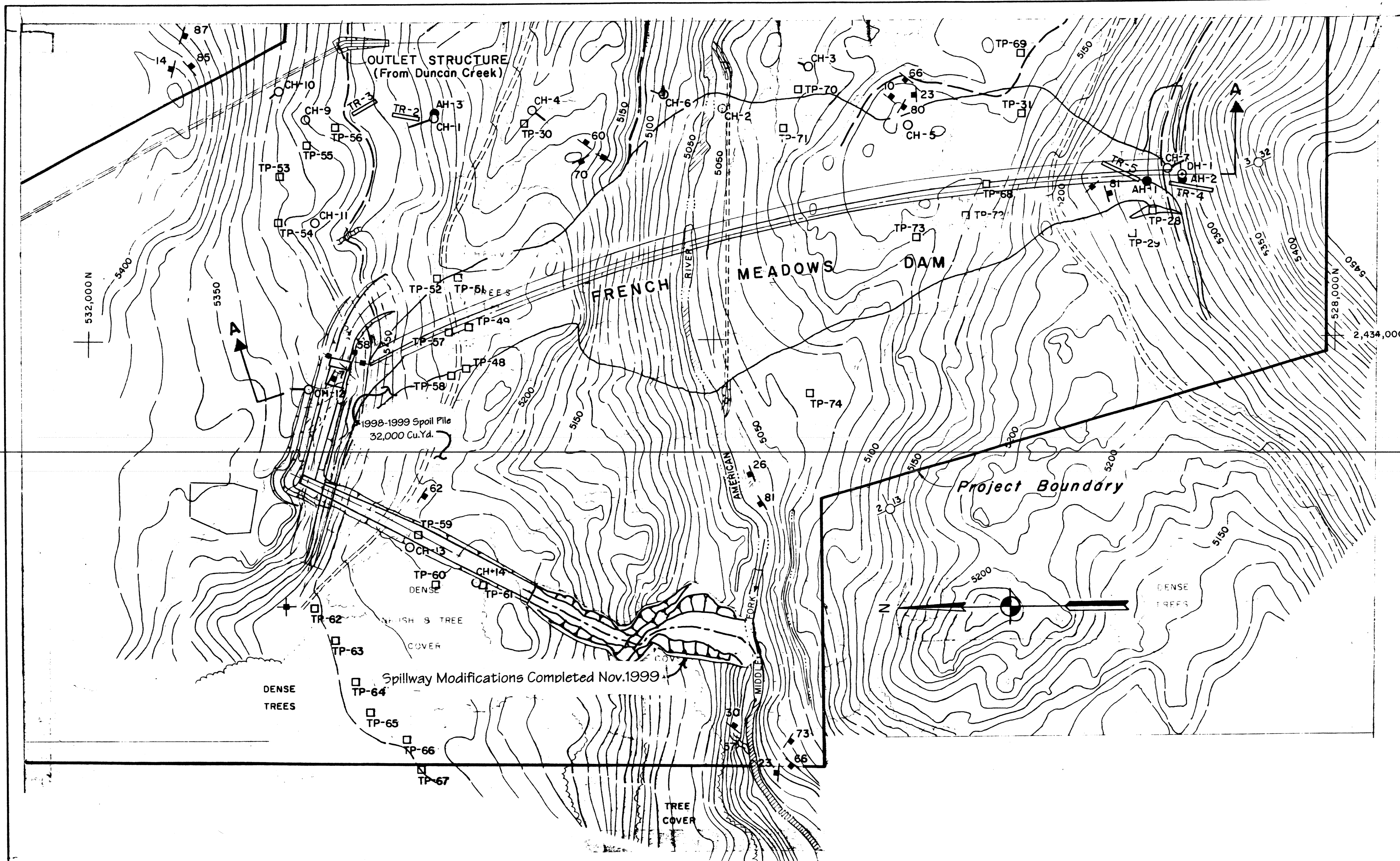
PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
FRENCH MEADOWS SPILLWAY  
PLAN, PROFILE AND SECTIONS  
SCALE AS SHOWN  
PLACER COUNTY WATER AGENCY  
AUBURN

This drawing represents previous submittal.

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San Francisco

This drawing is a part of the application for license made by the undersigned this 2 day of January 1968.

Placer County Water Agency  
By: *Frank G. Pauli*  
Chairman, Board of Directors

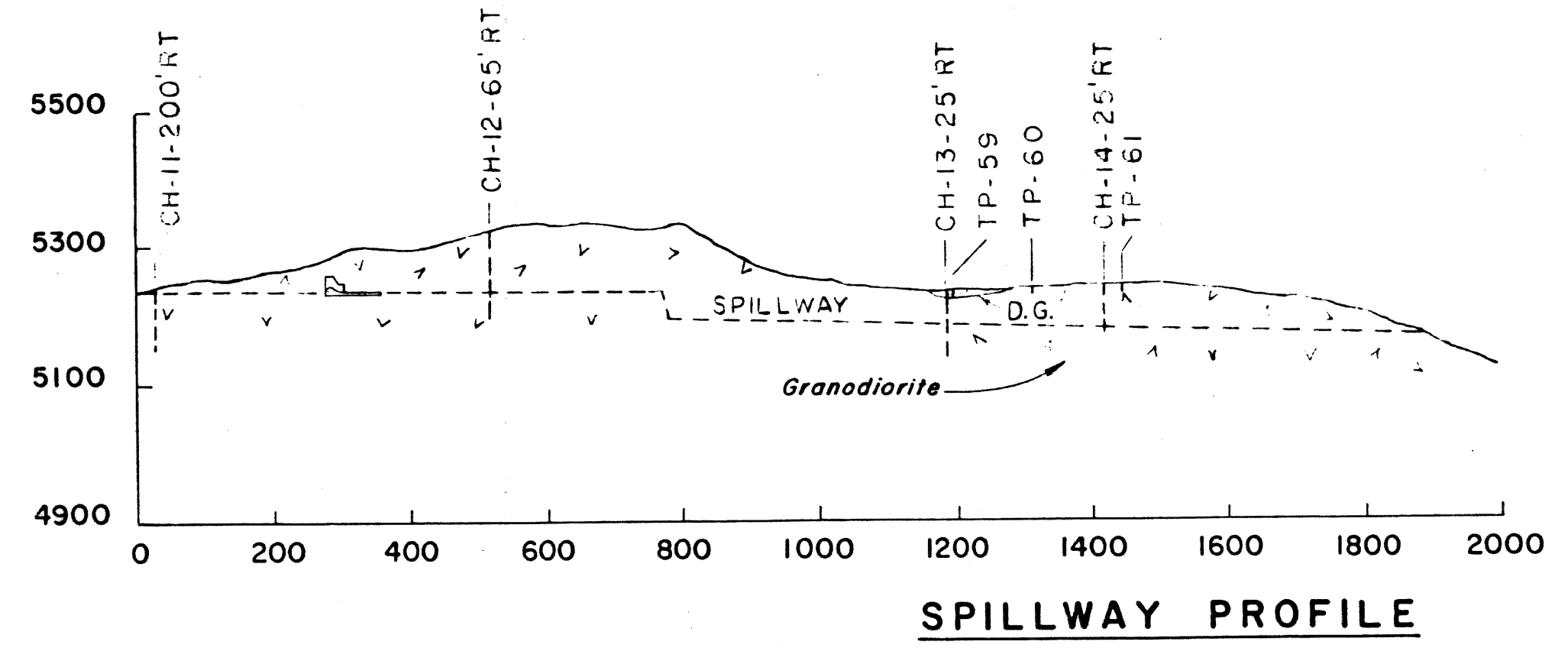
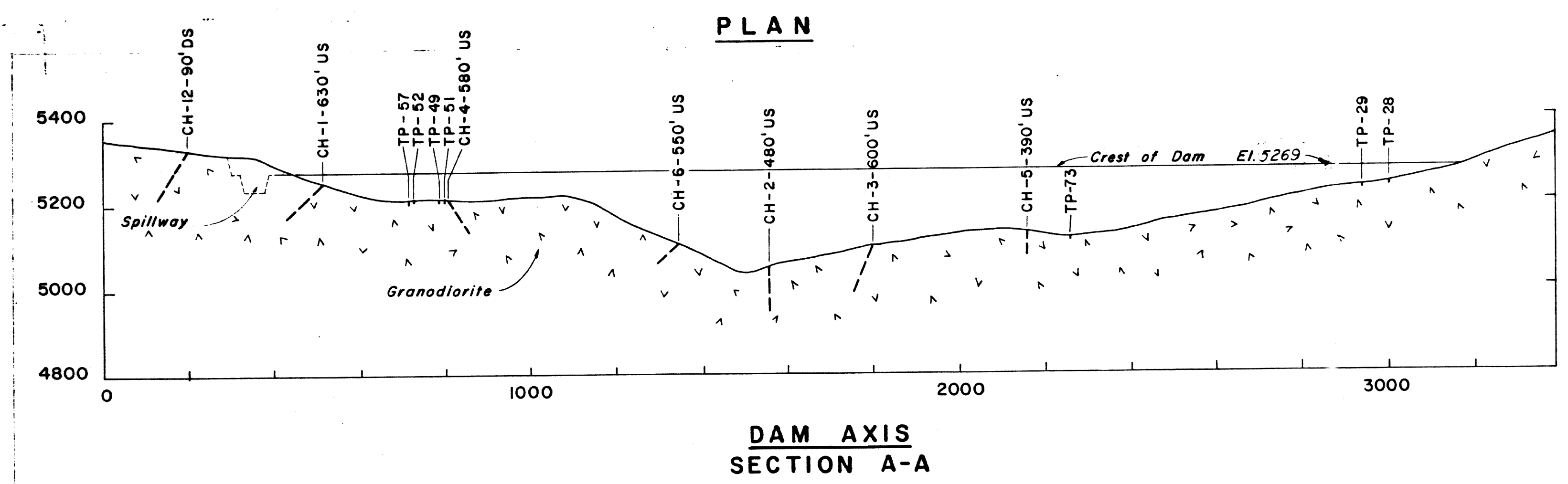


**LEGEND**

○ CH-5	NX. CORE DRILL HOLE
● AH-1	4" DIAMETER AUGER HOLE
⊙ DH-1	6" DIAMETER DENISON CORE HOLE
□ TP-56	BACKHOE TEST PIT
— TR-5	BULLDOZER TRENCH
↖ 30	STRIKE AND DIP OF PRIMARY JOINT
↖	STRIKE OF VERTICAL JOINT
↖ 57	APPROX. STRIKE AND DIP OF MINOR SHEAR ZONE, HATCHED WHERE INFERRED

This map is a part of the application for license made by the undersigned this 7 day of January 19 62.

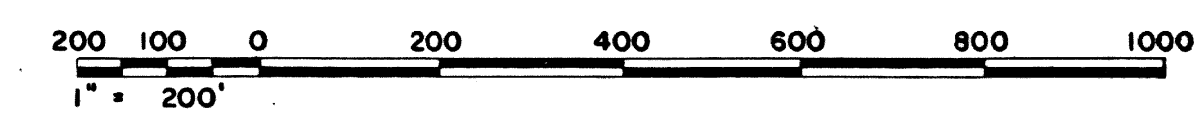
Placer County Water Agency  
 By: *Mark J. Pauli*  
 Chairman, Board of Directors



- NOTES —**
1. See Sheets 6 and 7 for logs of explorations.
  2. Locations of trenches and test pits are approximate.
  3. Geological interpretation as shown are preliminary.

REVISED FEB. 10, 2000 - SPILLWAY MODIFICATIONS  
 REVISED NOV. 15, 1967 - AS BUILT  
 REVISED AUG. 1, 1962

**PROJECT NO. 2079 CALIFORNIA**  
**MIDDLE FORK AMERICAN RIVER PROJECT**  
**FRENCH MEADOWS DAM**  
**GEOLOGY**  
 SCALE: 1" = 200'  
**PLACER COUNTY WATER AGENCY**  
**AUBURN CALIFORNIA**



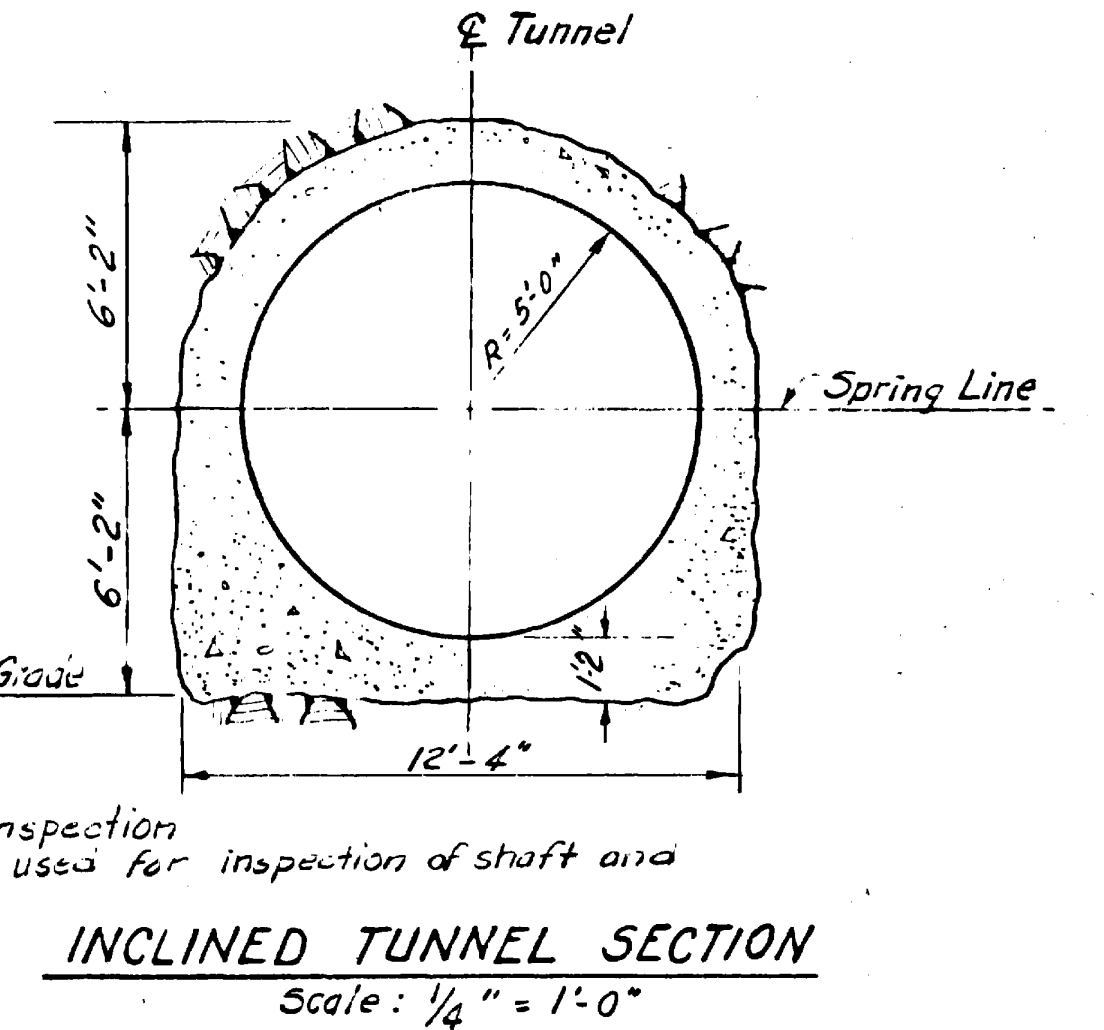
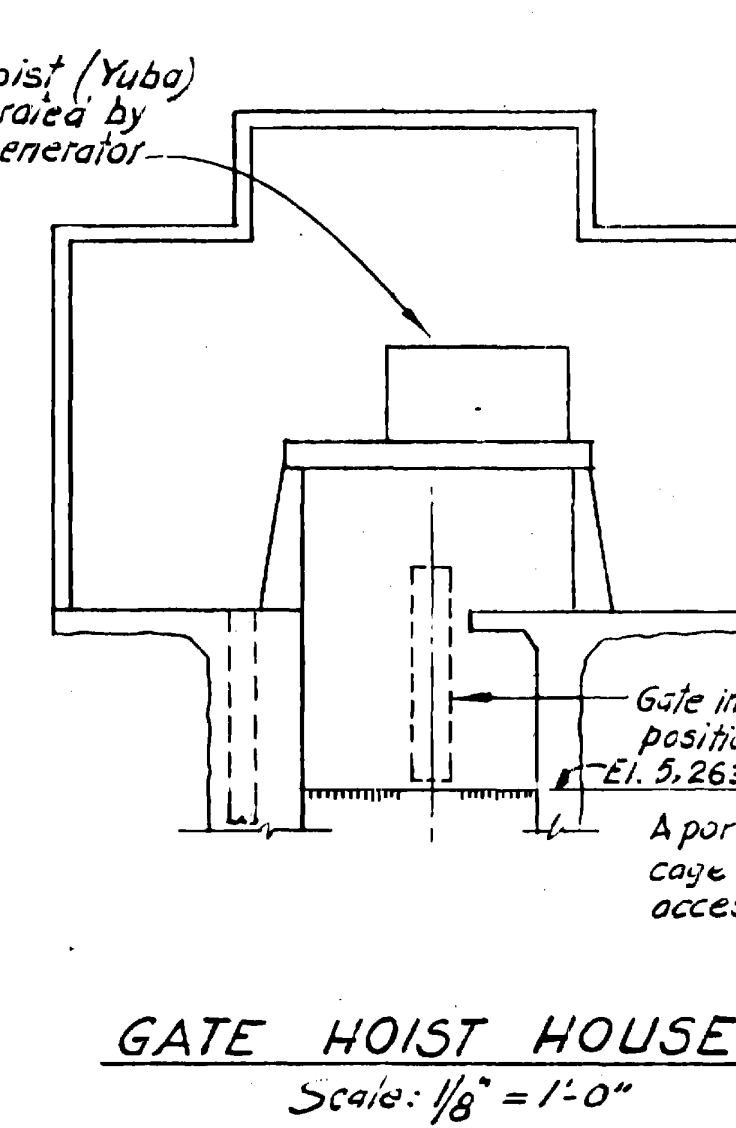
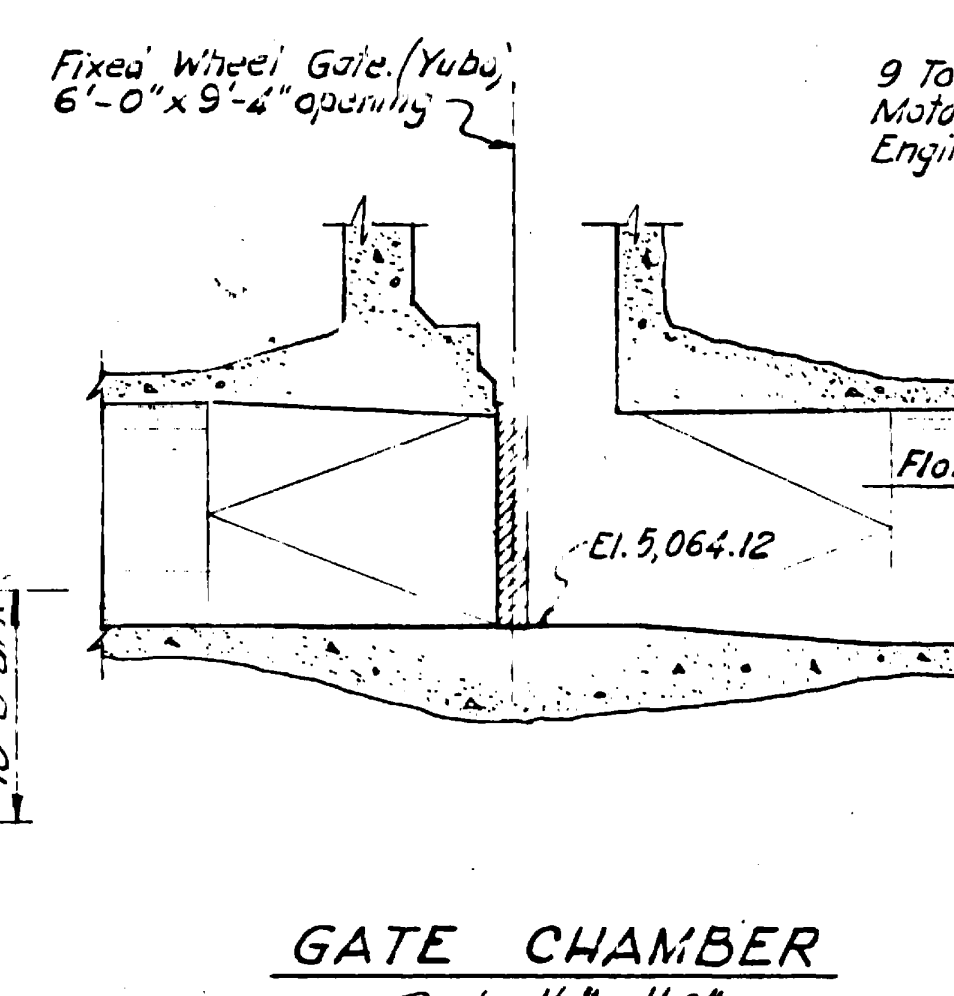
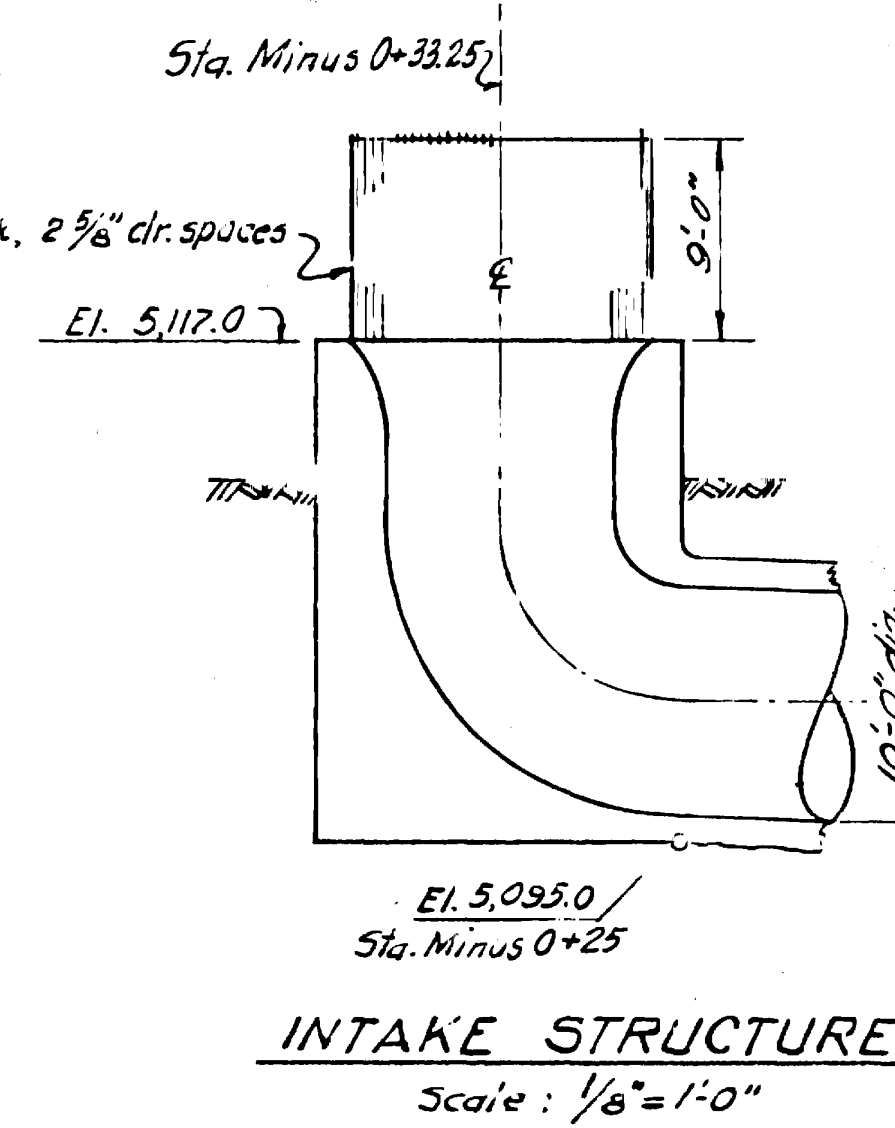
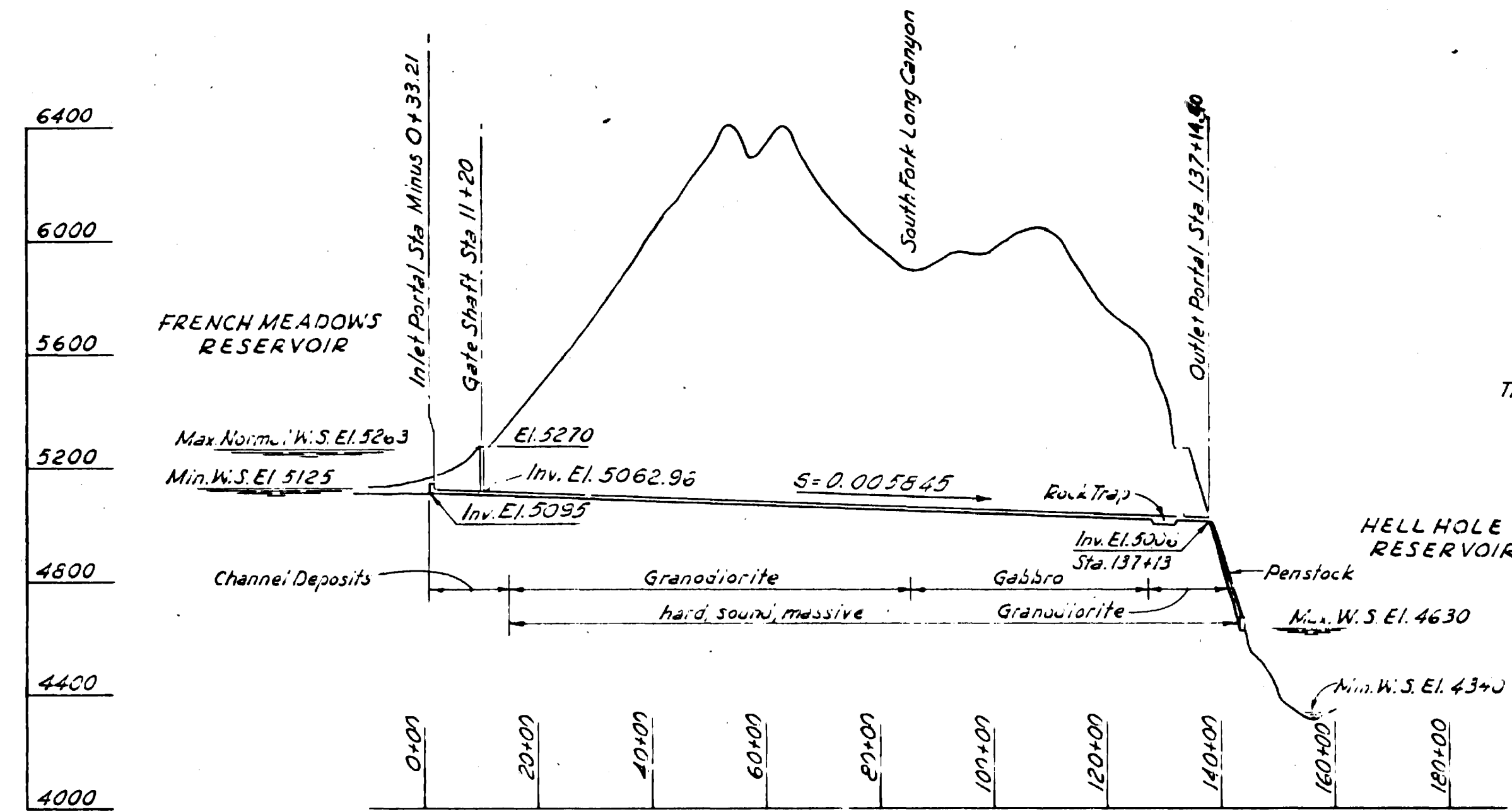
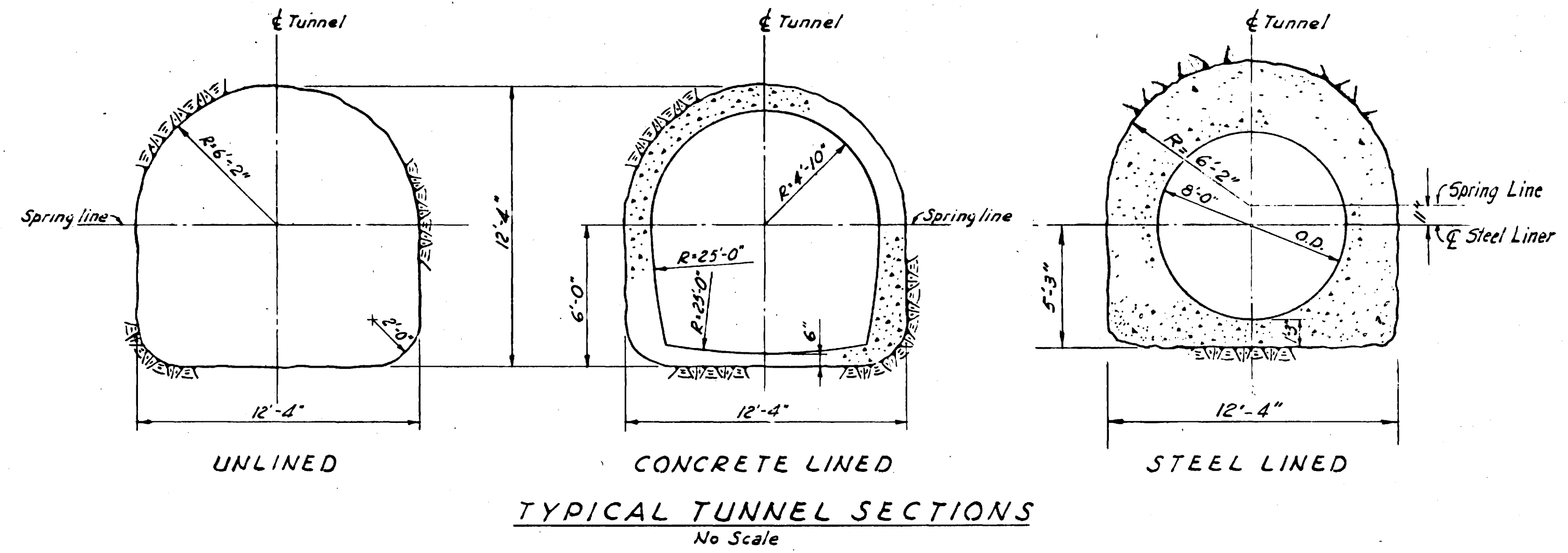
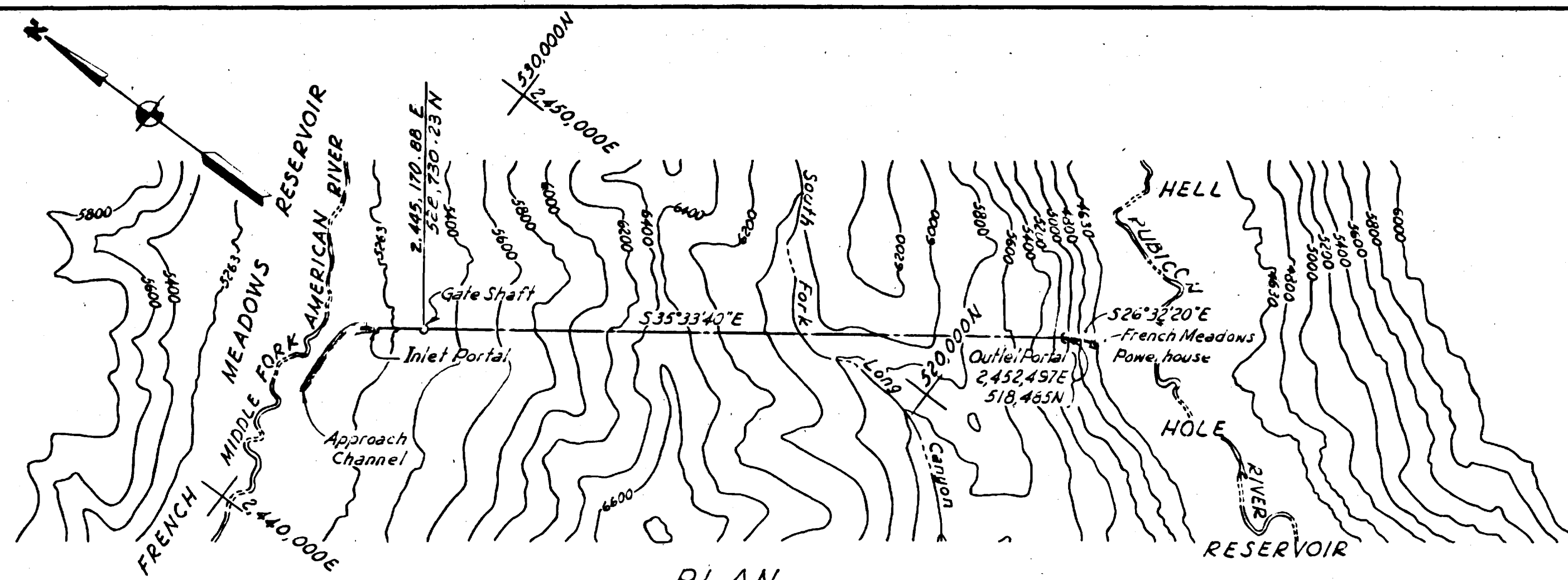
**EXHIBIT L**  
**SHEET 6**

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 Sacramento  
 San Francisco

57

2079-325

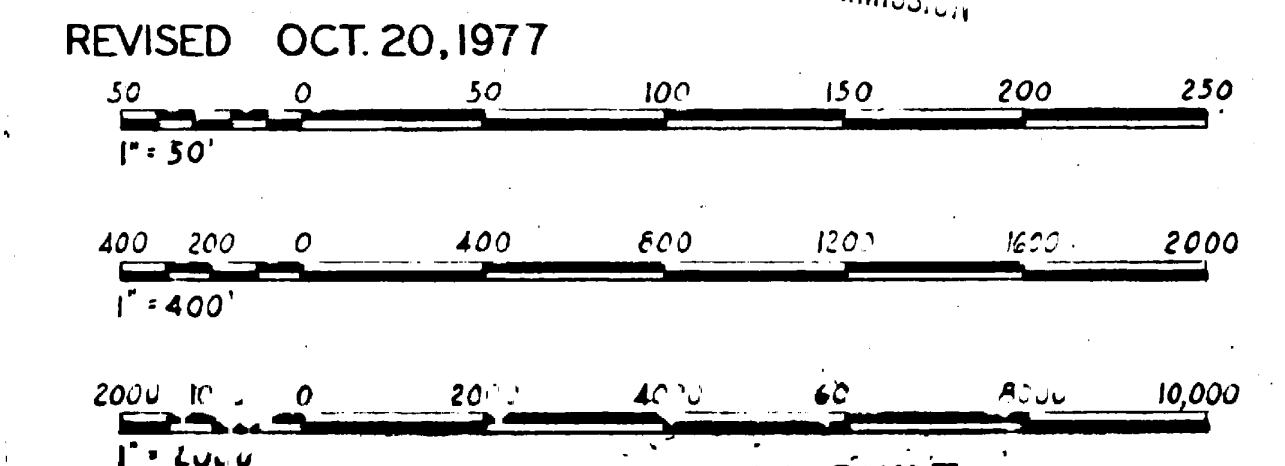
Contains Critical Energy Infrastructure Information (CEII) - Do Not Distribute



NOTE:  
Geological interpretation as shown is preliminary.

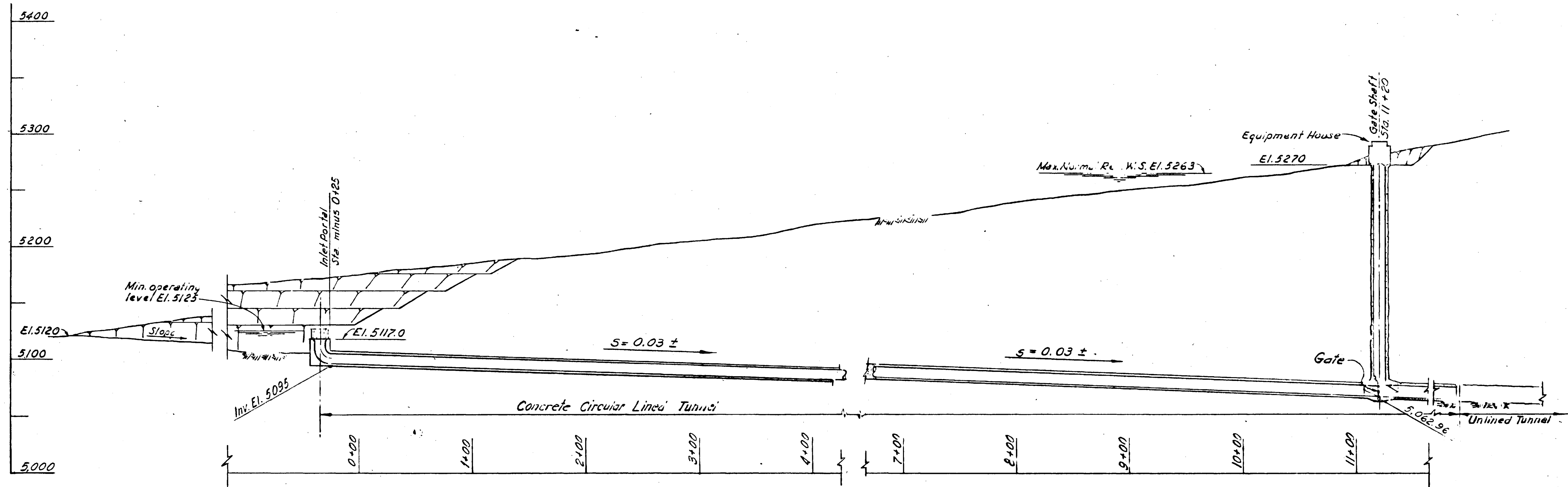
EXHIBIT L  
SHEET 7

RECEIVED  
JUL 1 1962  
FEDERAL POWER  
COMMISSION



REvised NOV. 15, 1961 - AS BUILT  
REvised AUG. 1, 1962; JAN. 13, 1964

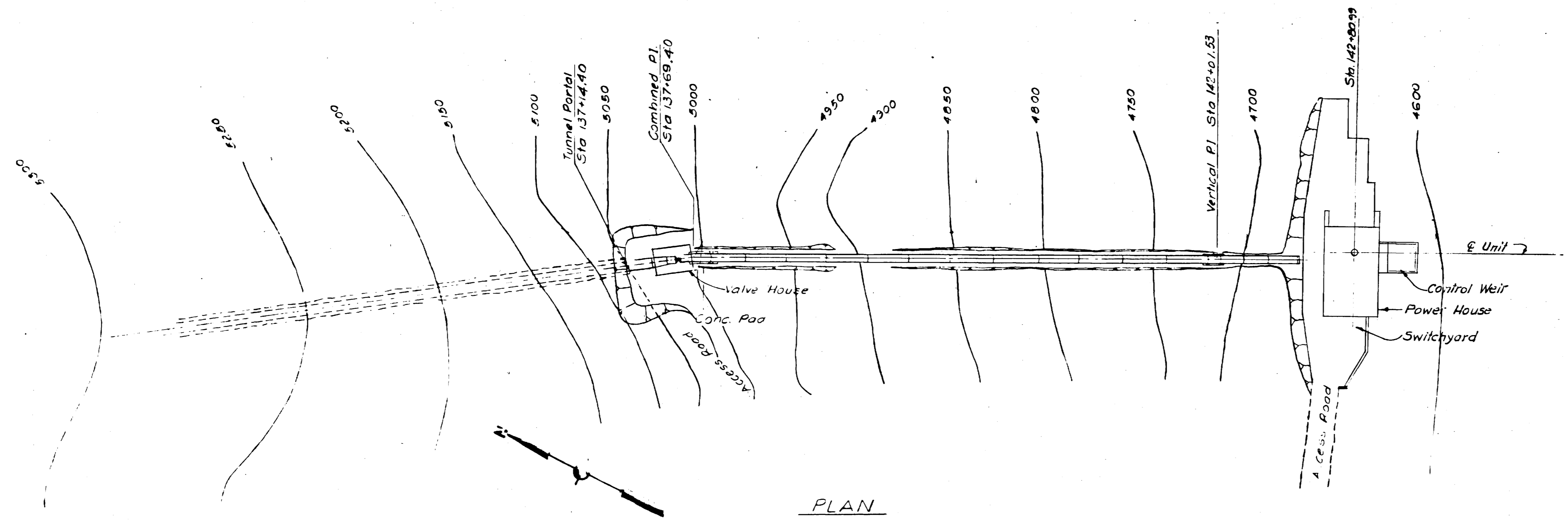
PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
FRENCH MEADOWS - HELL HOLE TUNNEL  
PLAN, PROFILE AND DETAILS  
SCALE AS SHOWN  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA



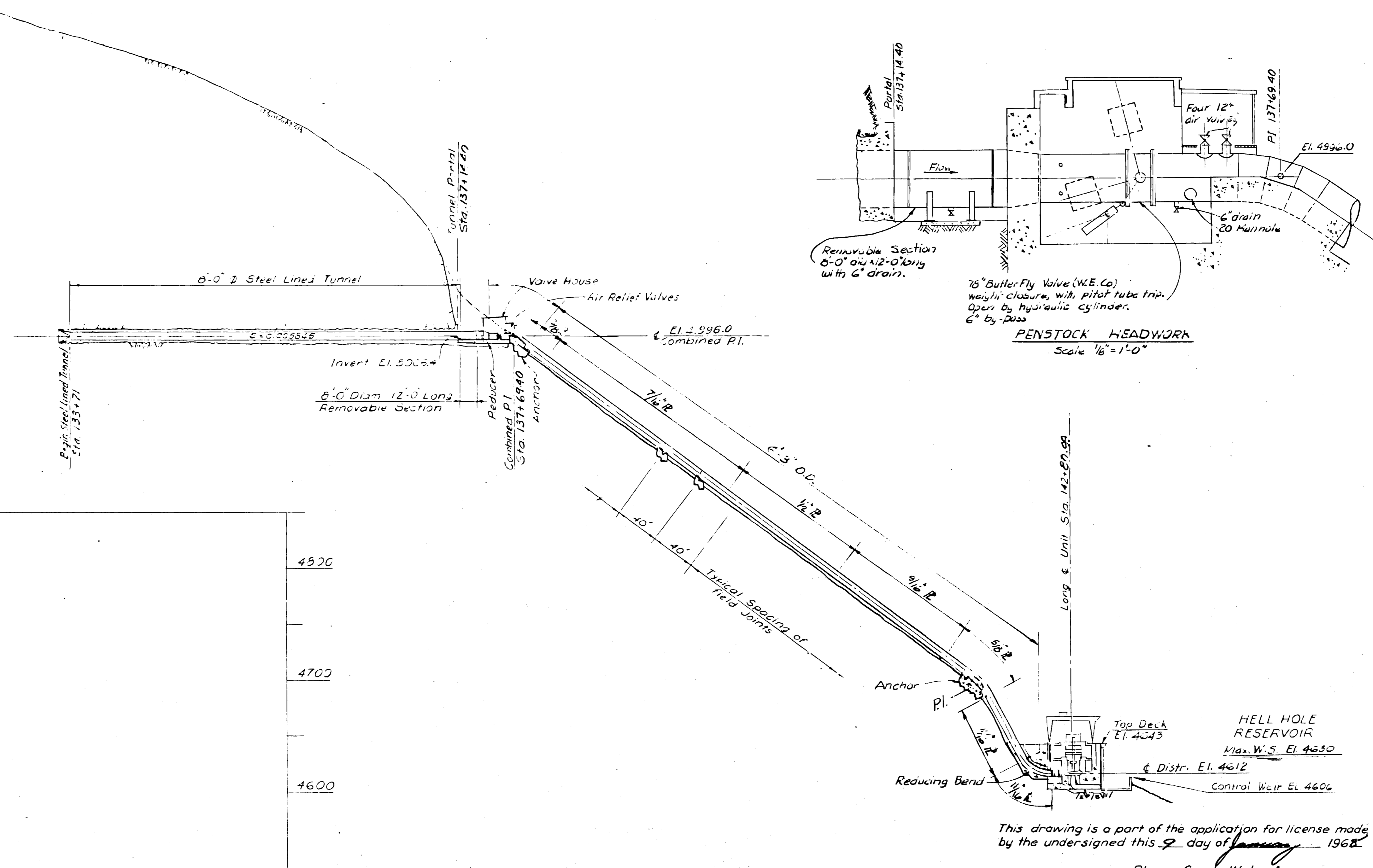
This drawing is a part of the application for license made by the undersigned this 5th day of January 1962.

Placer County Water Agency  
by *Max S. Tait*  
Chairman, Board of Directors

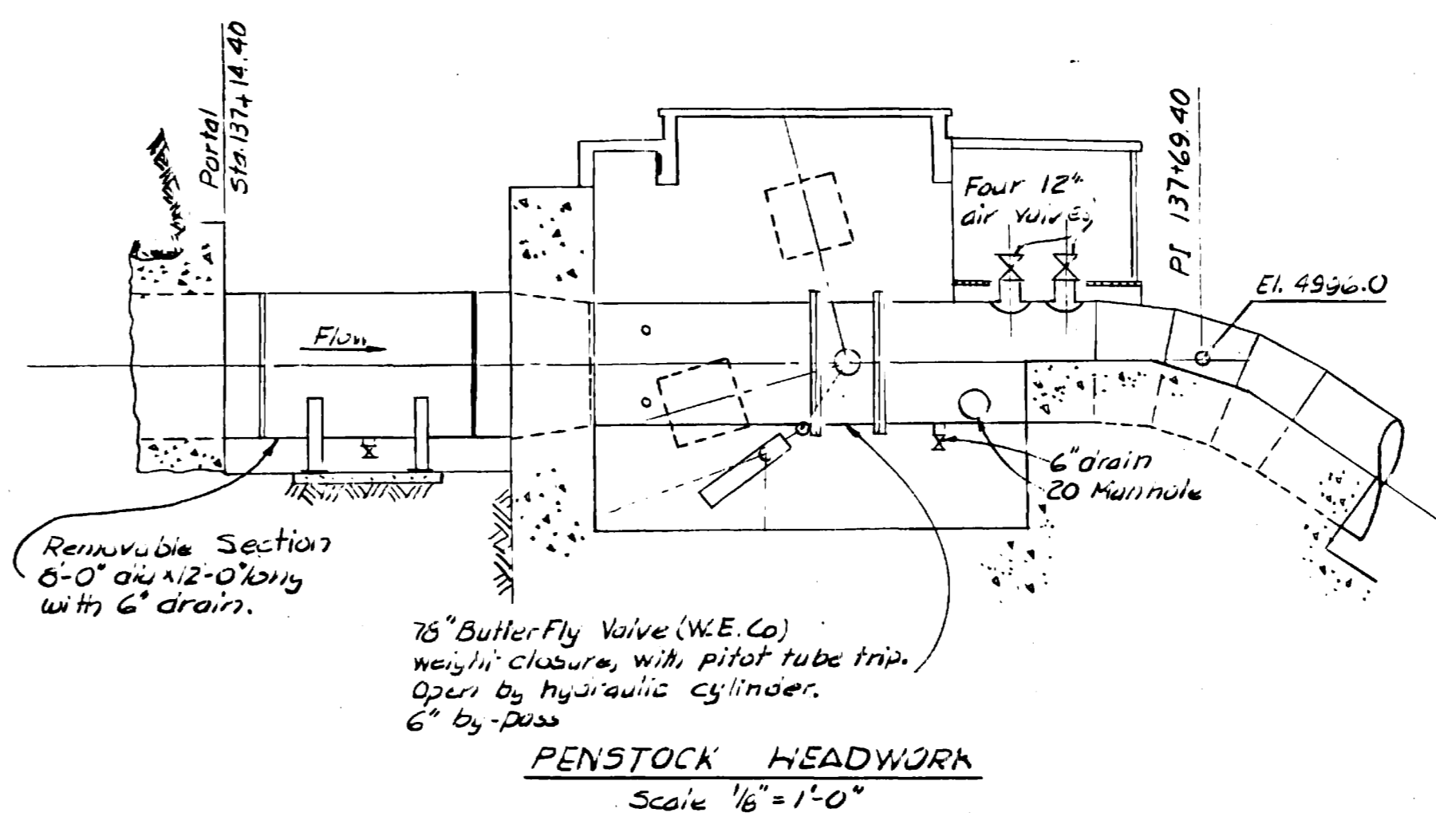
58



PLAN



PROFILE

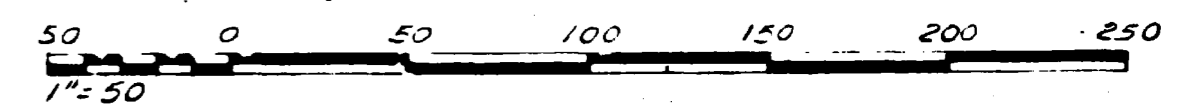


PENSTOCK HEADWORK  
Scale 1/8" = 1'-0"

RECEIVED  
JUL 17 1963  
FEDERAL POWER  
COMMISSION

EXHIBIT L  
SHEET 8

REVISED OCT. 20, 1977



REVISED NOV. 15, 1967 - AS BUILT  
REVISED AUG. 1, 1962 ; JAN. 13, 1964

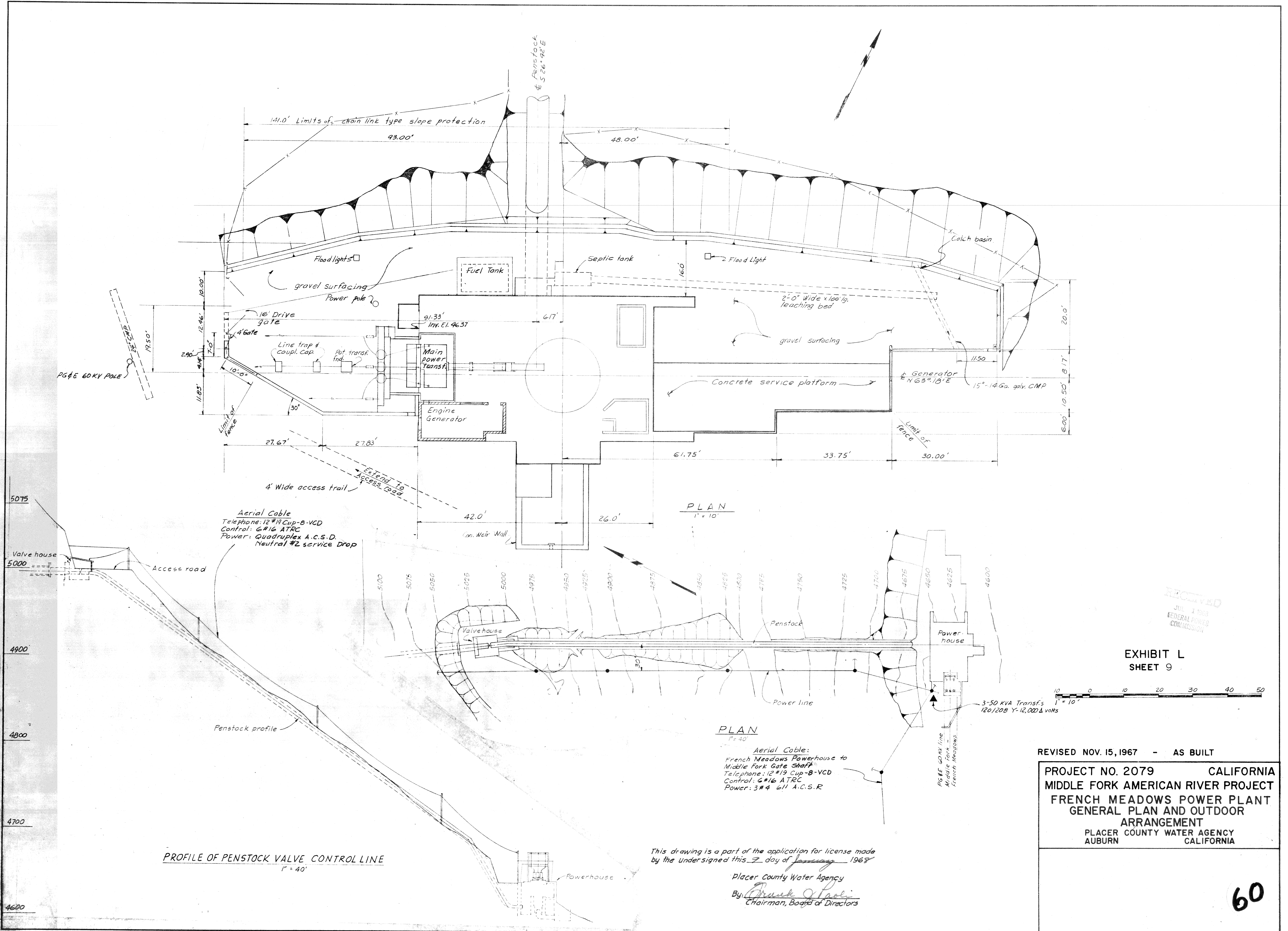
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MIDDLE FORK AMERICAN RIVER PROJECT  
FRENCH MEADOWS POWER PLANT  
AND PENSTOCK  
SCALE 1" = 50'  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

This drawing is a part of the application for license made  
by the undersigned this 9 day of January 1962  
Placer County Water Agency  
By *Frank J. Haver*  
Chairman, Board of Directors

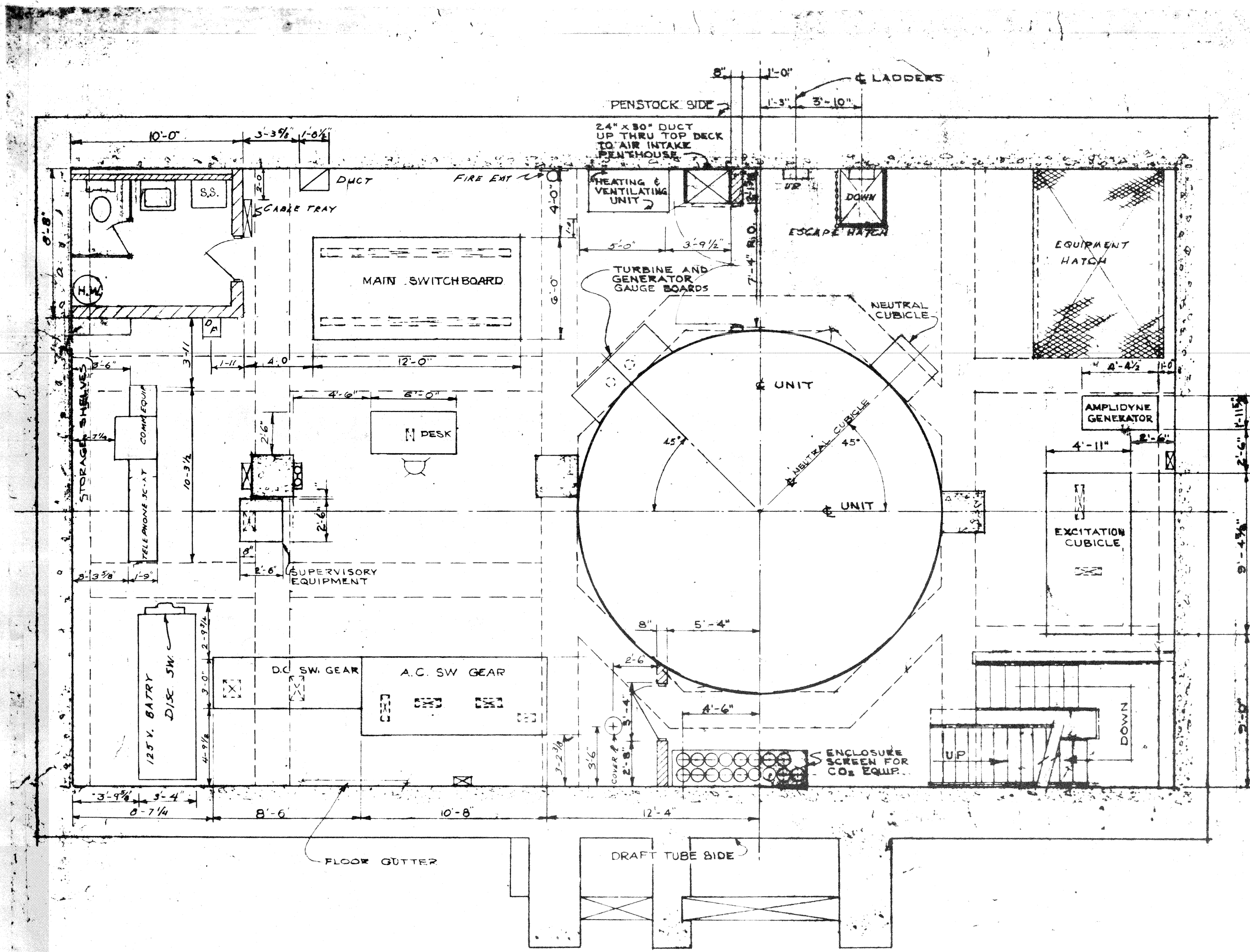
53

COPYRIGHT

Contains Critical Energy Infrastructure Information (CEII) - Do Not Distribute



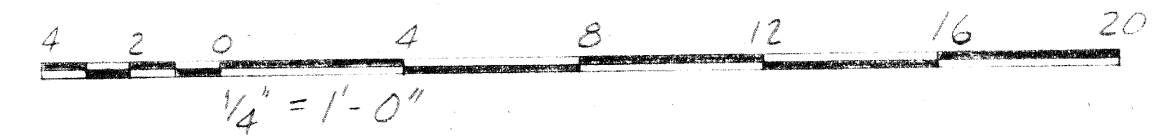
McCREARY · KORETSKY · ENGINEERS  
Sacramento



**GENERATOR FLOOR**

JUL 1 1968  
FEDERAL POWER  
COMMISSION

**EXHIBIT L  
SHEET 10**



REVISED NOV. 15, 1967 - AS BUILT

PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
FRENCH MEADOWS POWER PLANT  
POWERHOUSE PLANS

PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

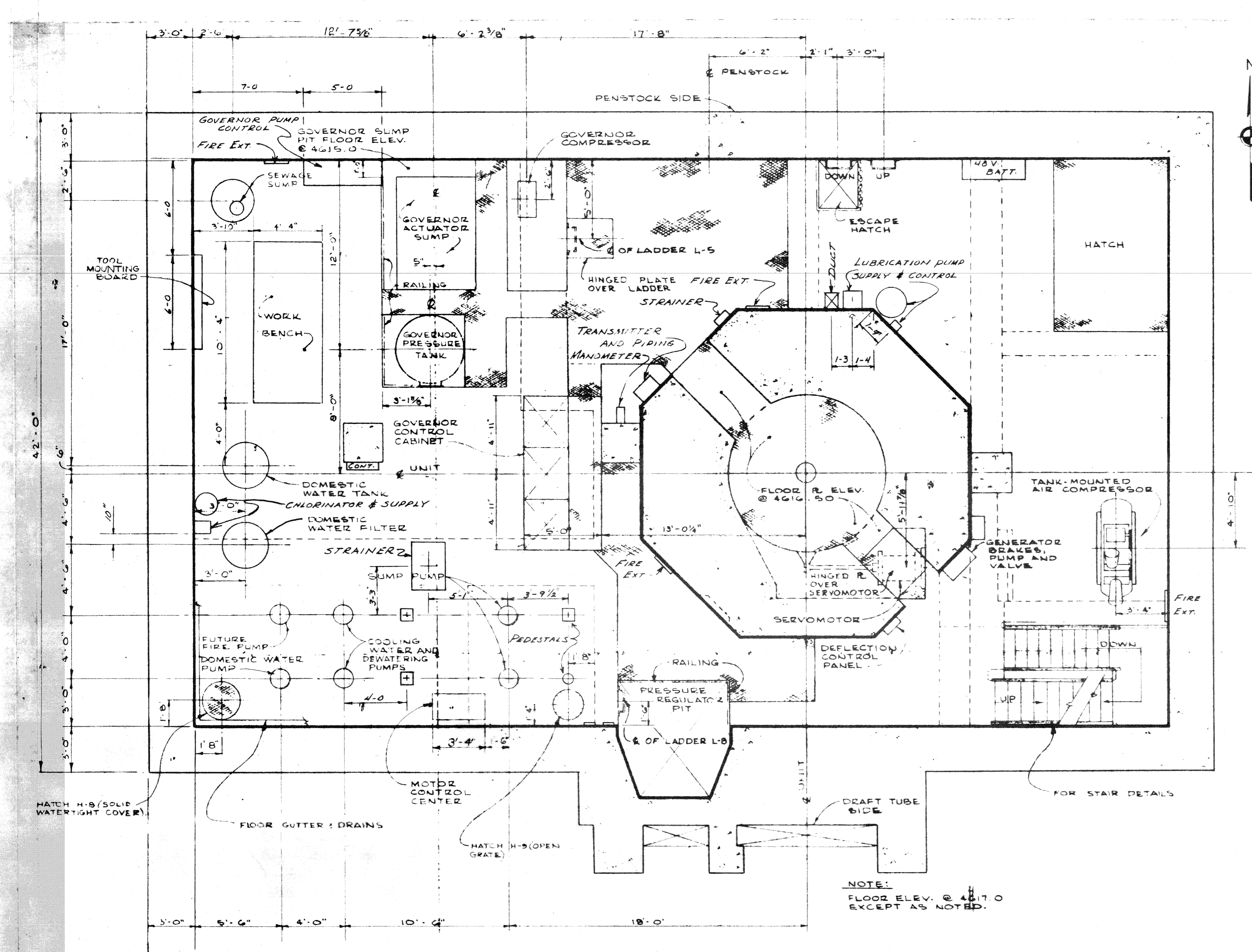
This drawing is a part of the application for license made  
by the undersigned this 7 day of January 1968

Placer County Water Agency

By *Frank J. Pauli*  
Chairman, Board of Directors

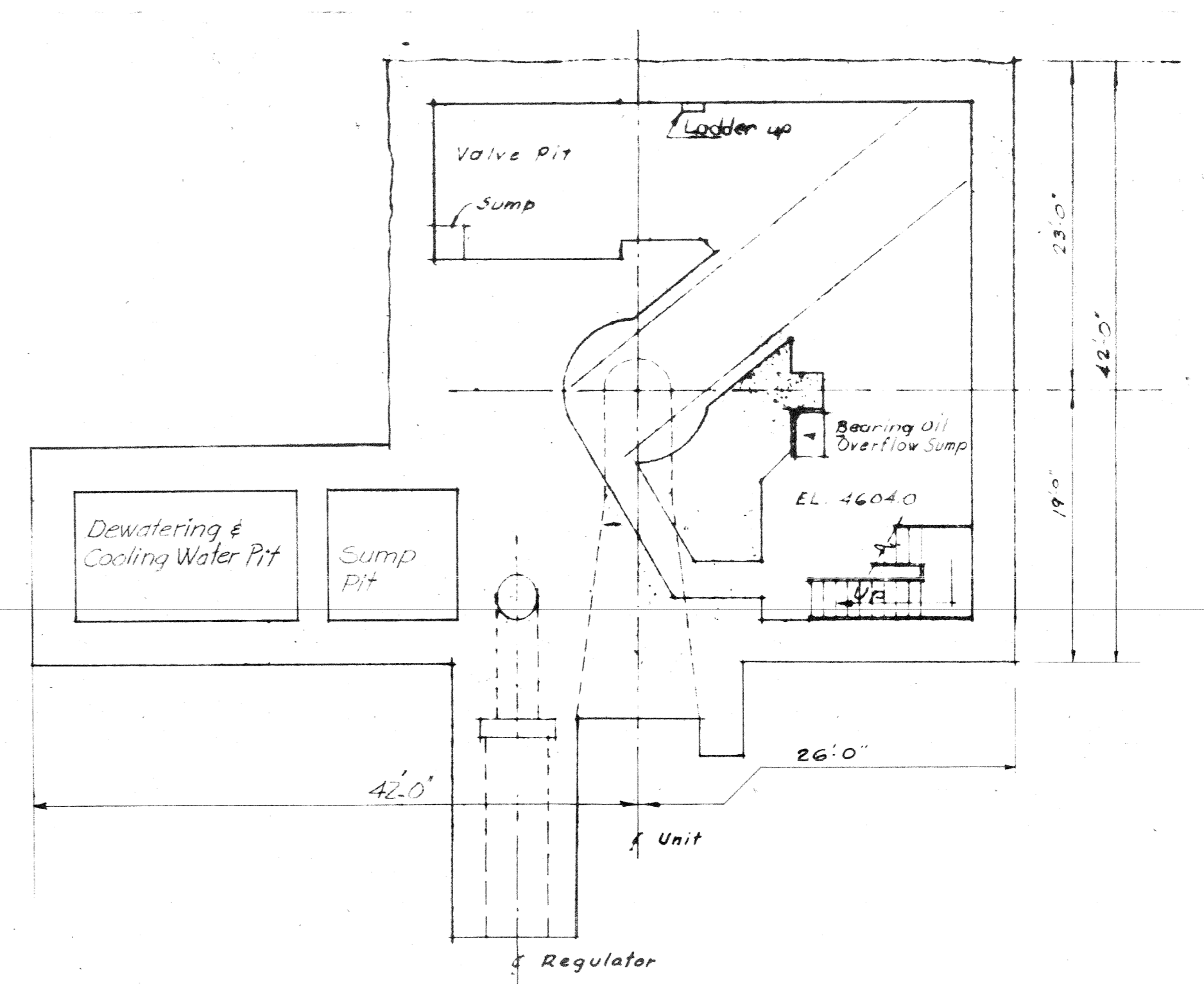
61

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San Francisco



PLAN  
SCALE: 1/4" = 1'-0"

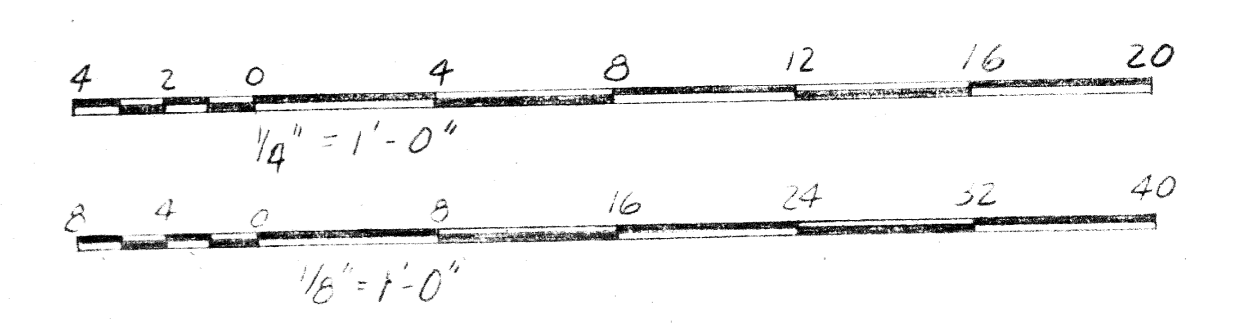
TURBINE FLOOR



PLAN - BASEMENT FLOOR - ELEV.  
SCALE: 1/8" = 1'-0" 4605.0

McCREEARY · KORETSKY · ENGINEERS  
San Francisco

EXHIBIT L  
SHEET 11



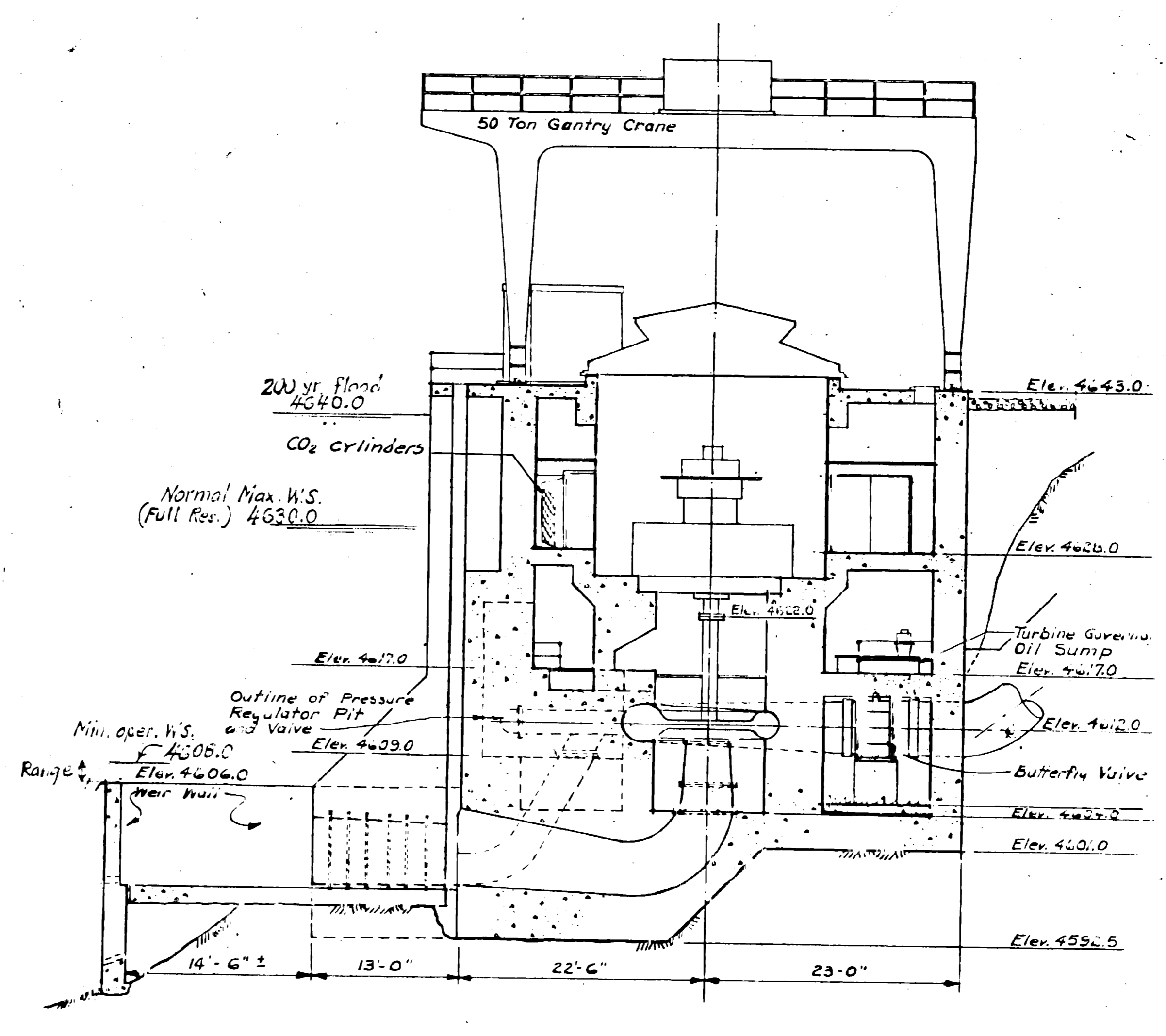
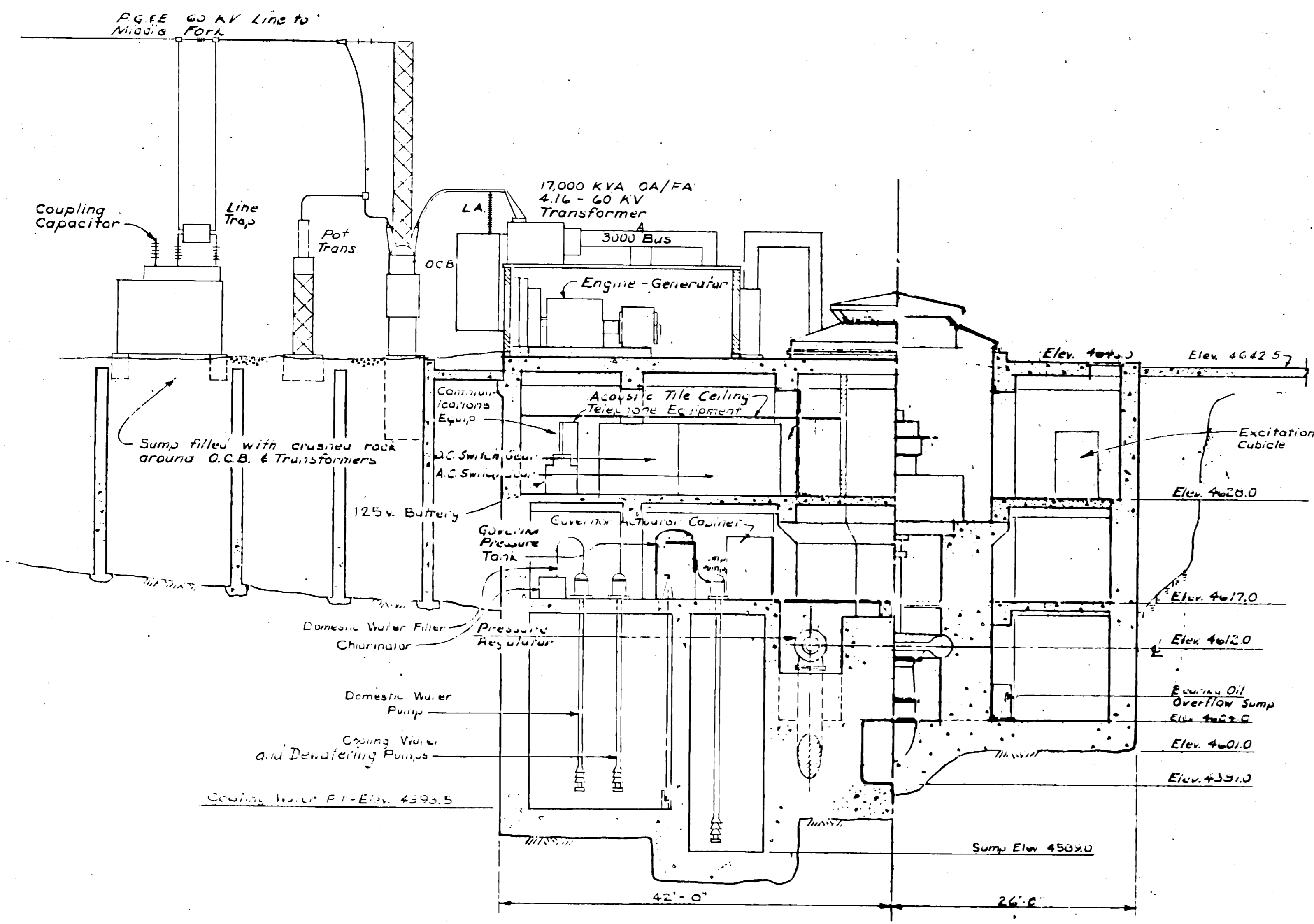
REVISED NOV. 15, 1967 - AS BUILT

PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
FRENCH MEADOWS POWER PLANT  
POWERHOUSE PLANS

PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

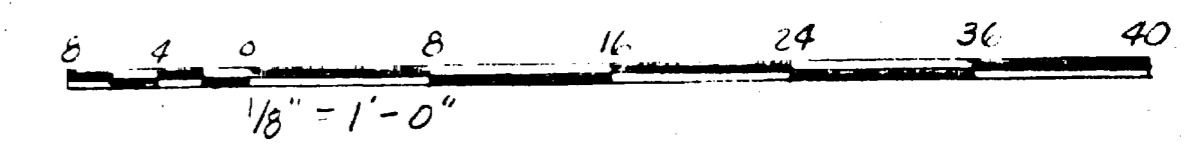
This drawing is a part of the application for license made  
by the undersigned this 7 day of January 1968  
Placer County Water Agency  
By: *Frank J. Paoli*  
Chairman, Board of Directors

62



McCREARY · KORETSKY · ENGINEERS  
San Francisco

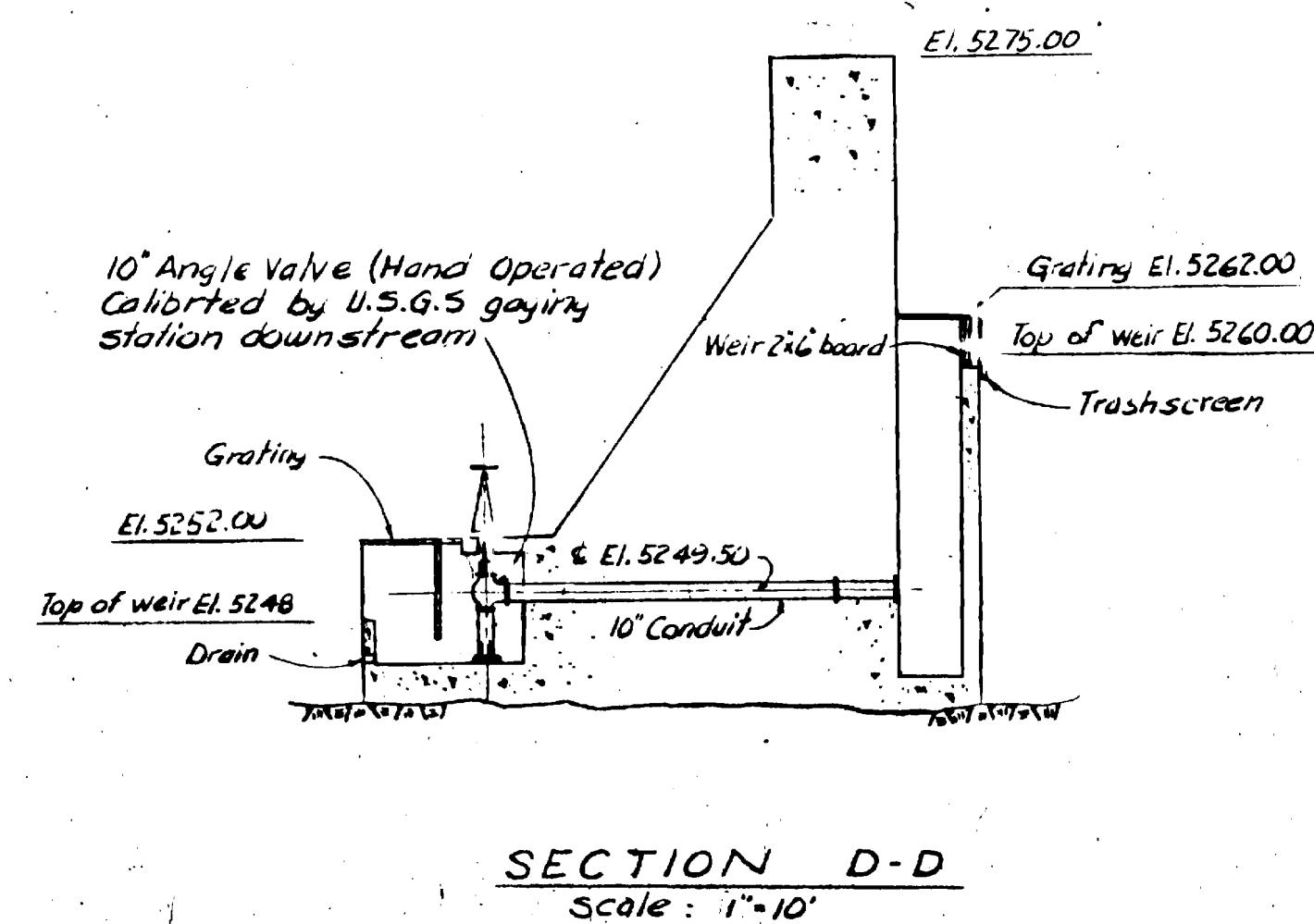
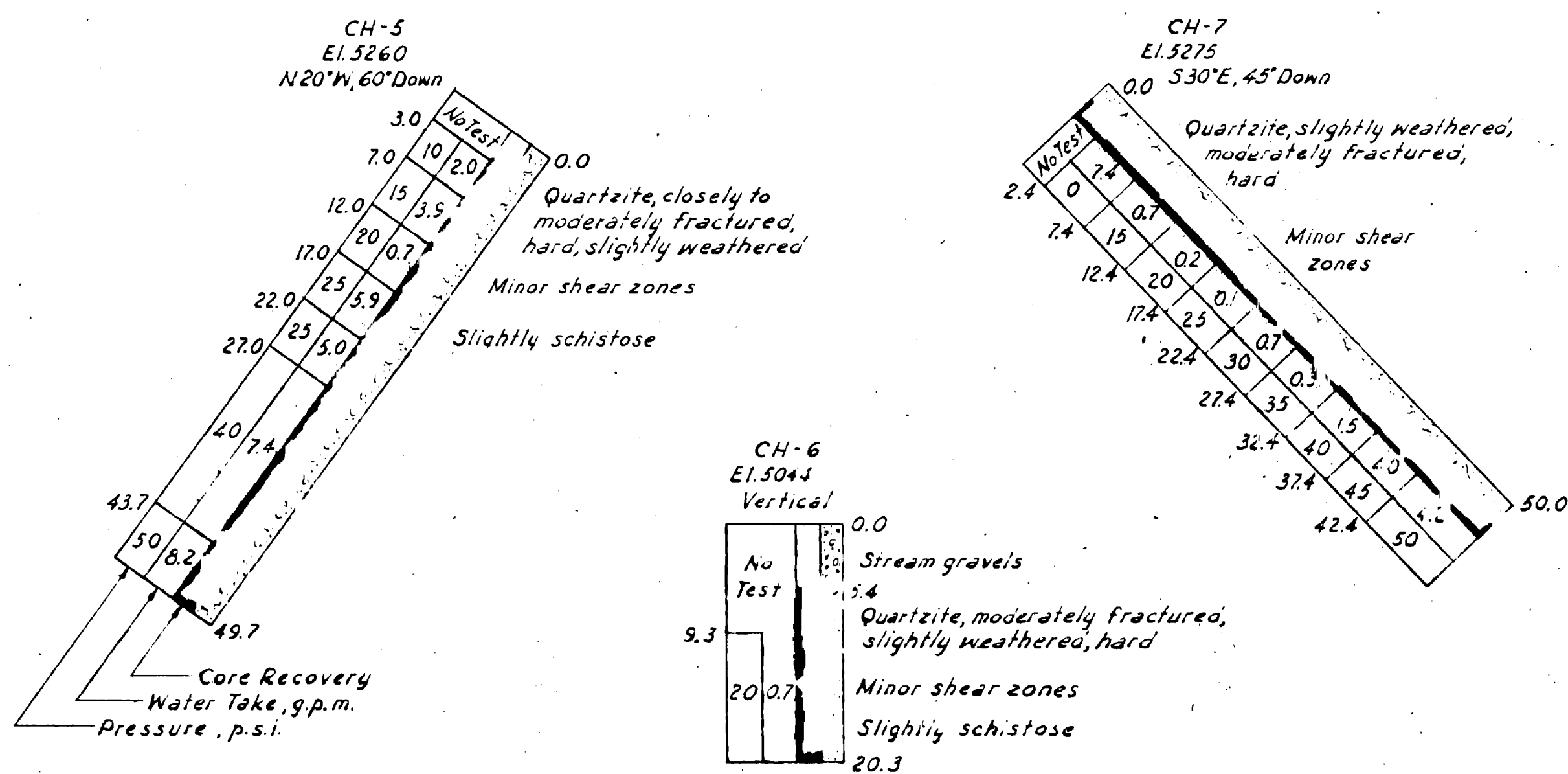
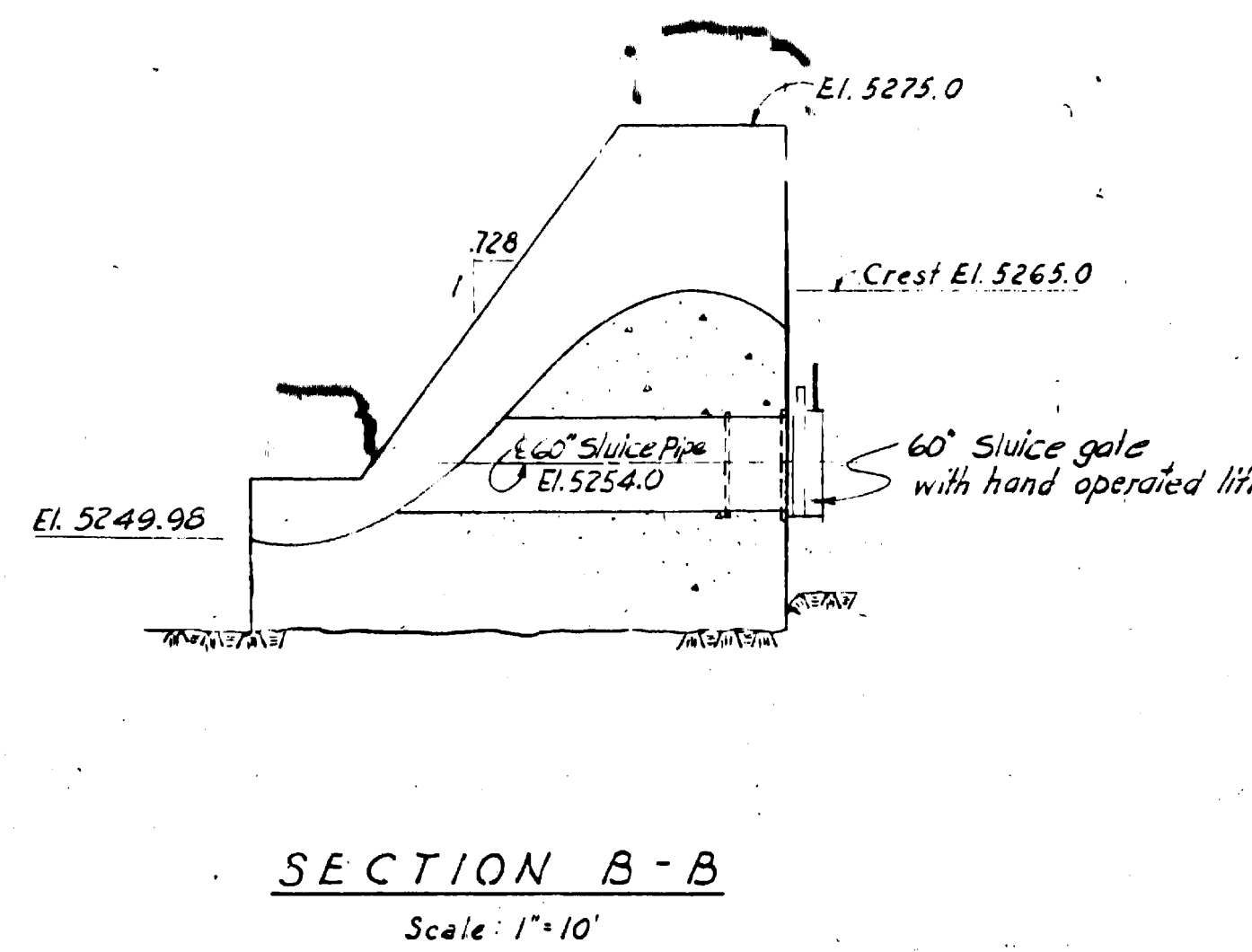
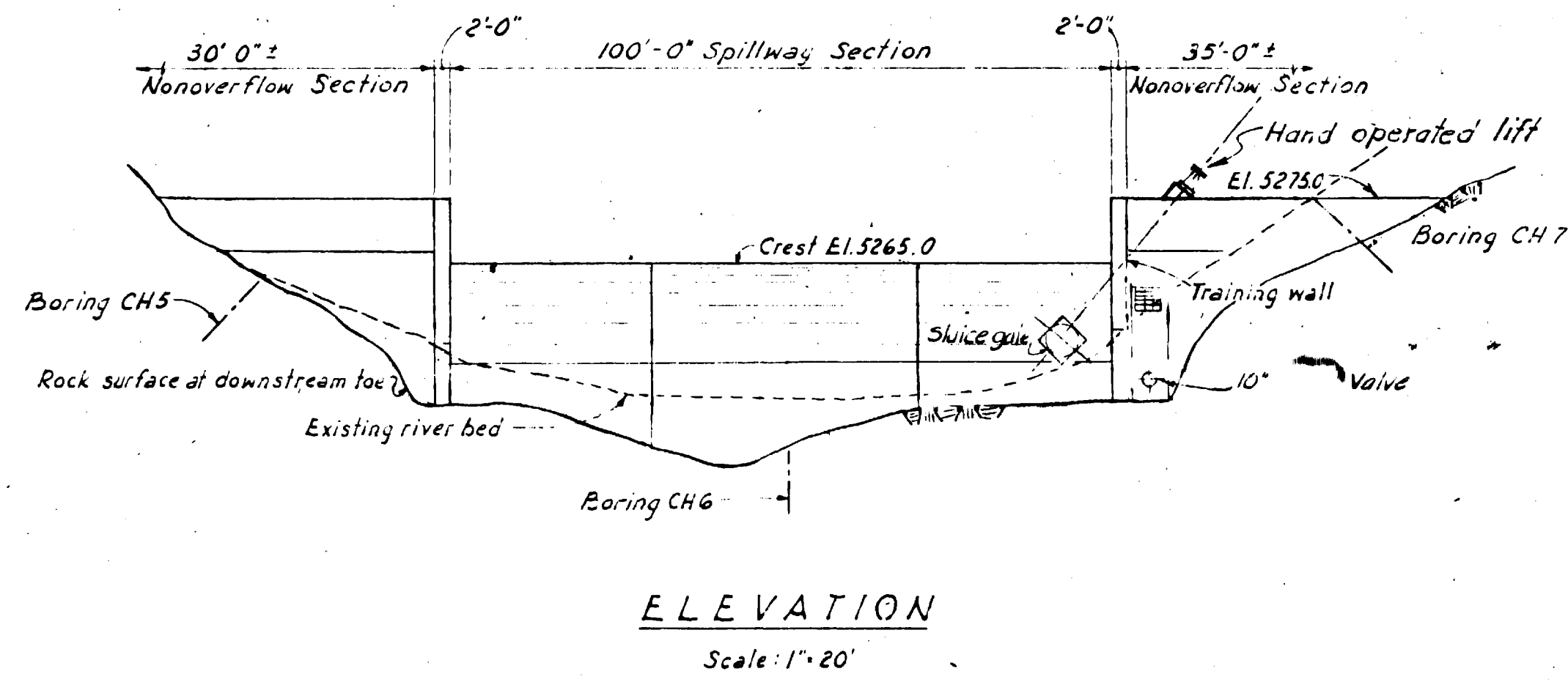
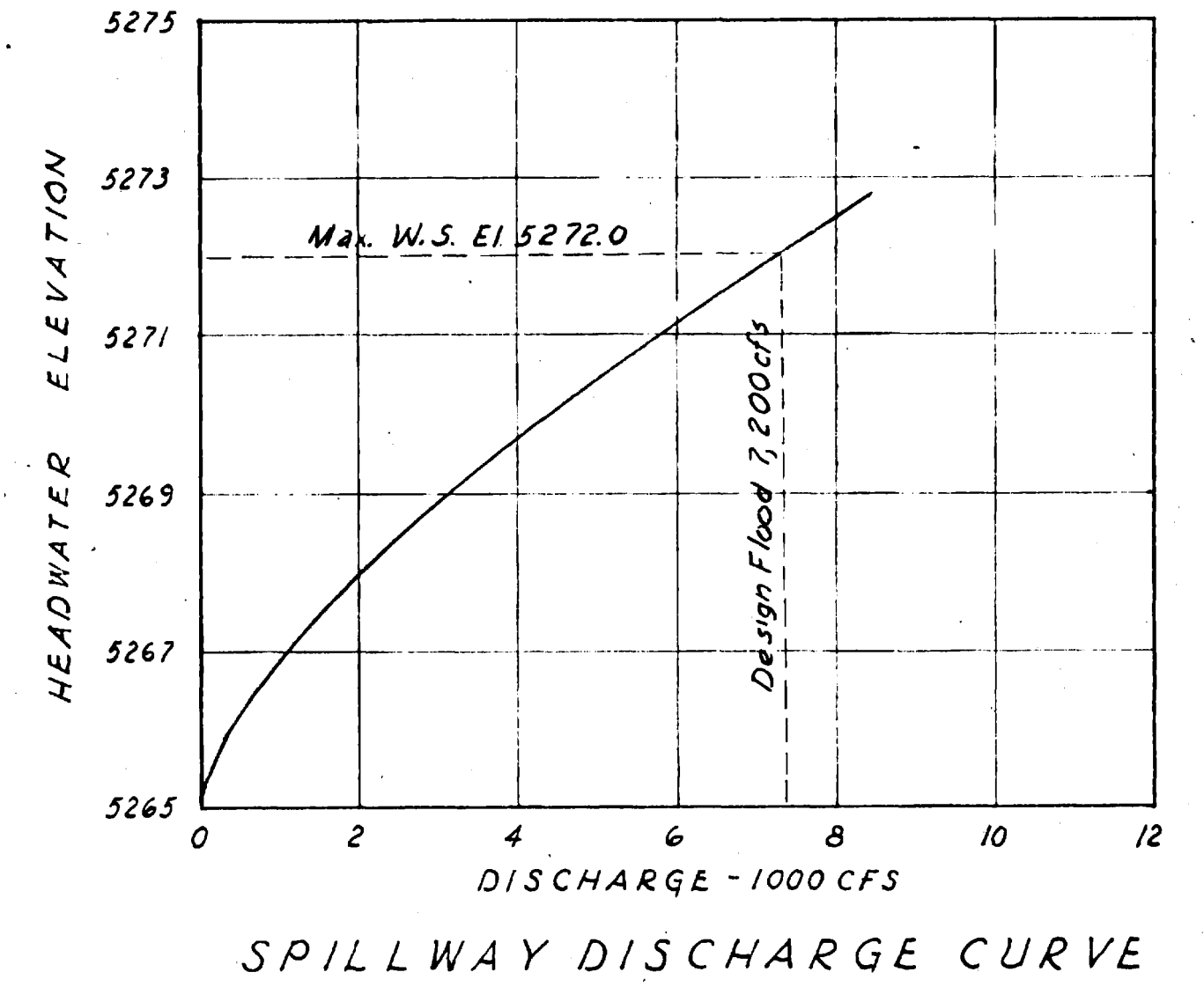
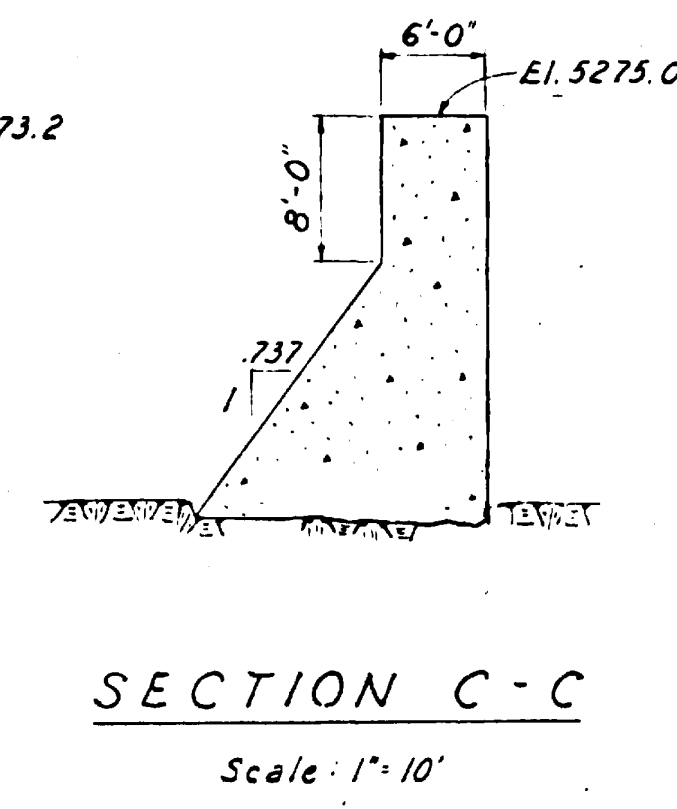
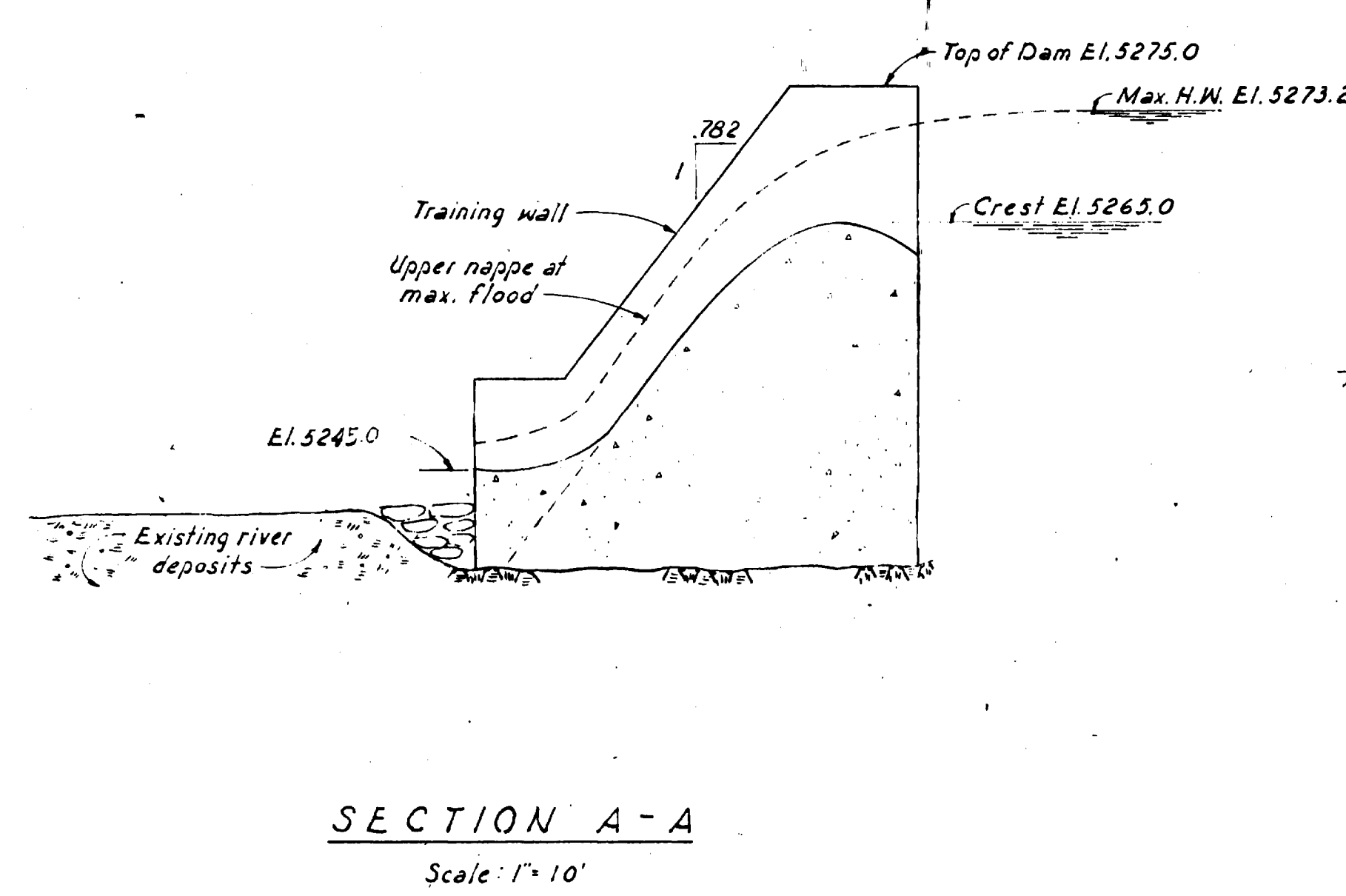
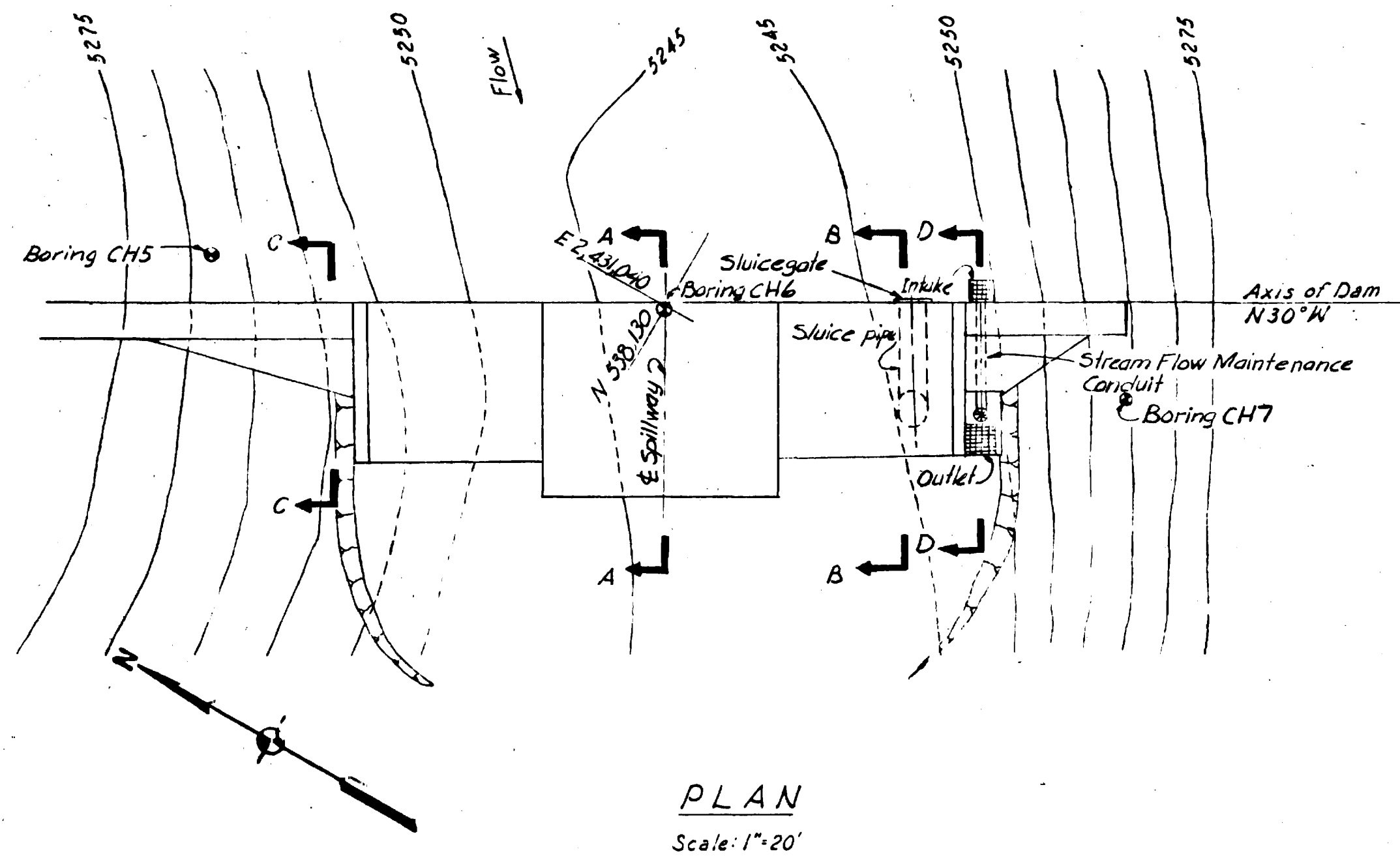
EXHIBIT L  
SHEET 12'



REVISED NOV. 15, 1967 - AS BUILT  
PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
FRENCH MEADOWS POWER PLANT  
POWERHOUSE SECTIONS  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

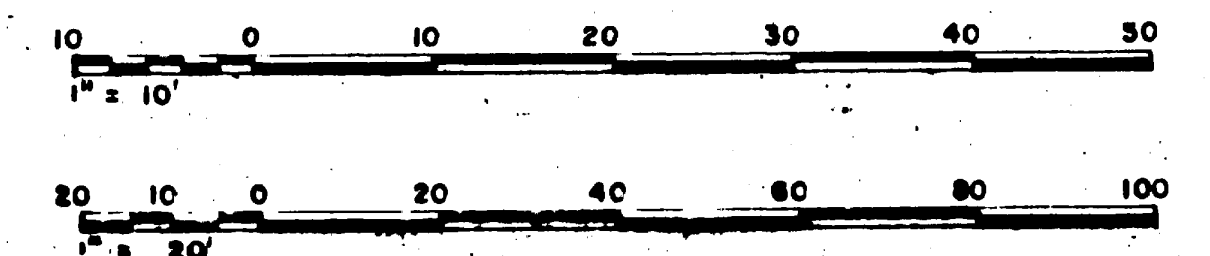
This drawing is a part of the application for license made  
by the undersigned this 9 day of January 1968  
Placer County Water Agency  
By: *Frank J. Vash*  
Chairman, Board of Directors

63



RECORDED  
JUL 1 1968  
FEDERAL POWER  
COMMISSION

EXHIBIT L  
SHEET I



REVISED OCT. 20, 1977  
REVISED NOV. 15, 1967 AS BUILT

PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
DUNCAN CREEK DIVERSION  
PLAN AND SECTIONS  
SCALE AS SHOWN  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

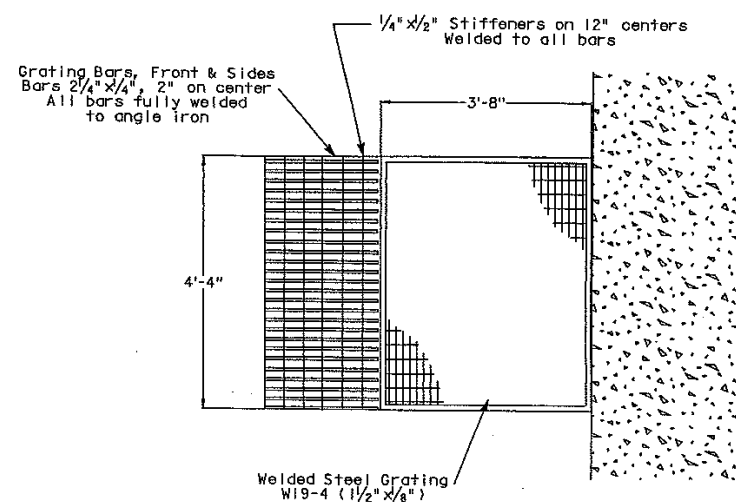
This drawing is a part of the application for license made by the undersigned this 2 day of January 1968.

Placer County Water Agency  
L. C. ...  
L. C. ...

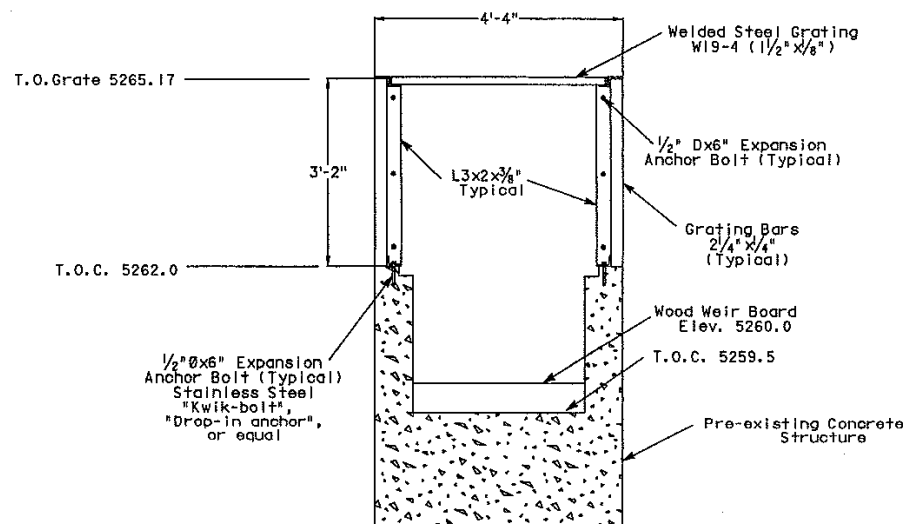
CREAFY-KOFFER ENGINEERS



# Contains Critical Energy Infrastructure Information (CEII) - Do Not Distribute



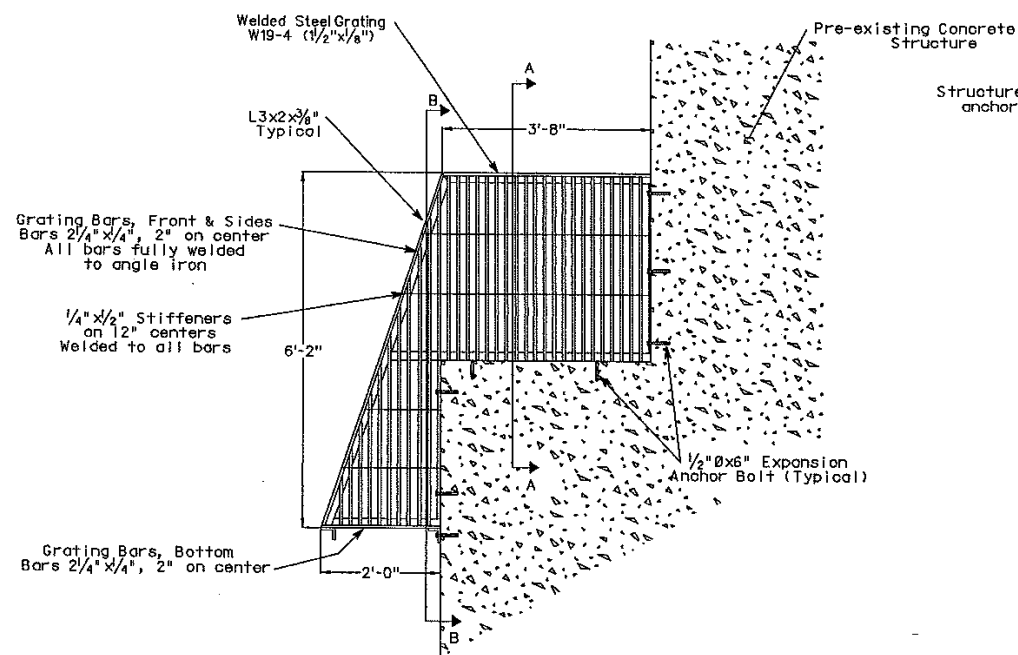
PLAN



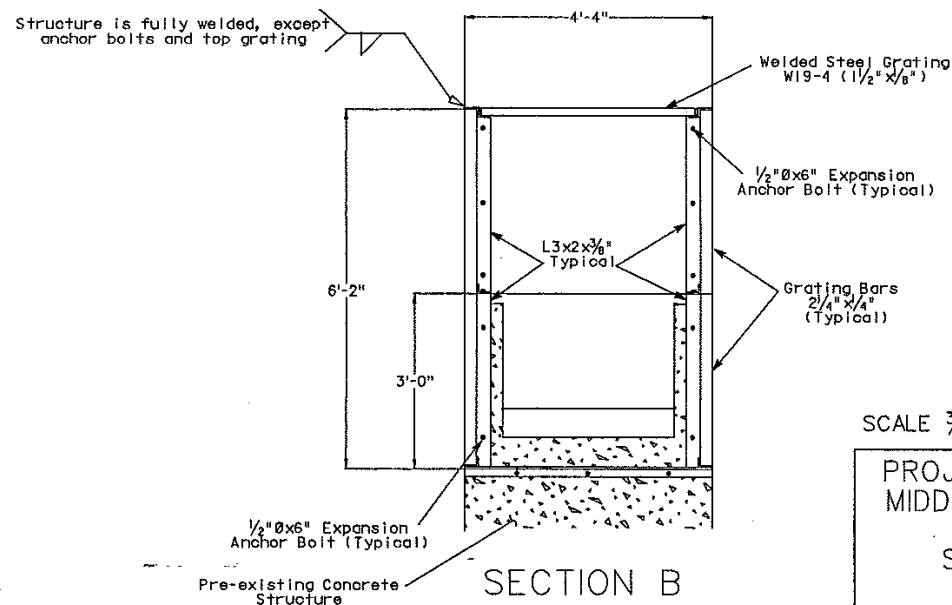
SECTION A

Note: Galvanize entire trashrack structure after fabrication

- Reference Drawings:
- Exhibit L Sheet 1 Duncan Diversion Dam Plan and Sections
  - Drawing 11-05-201 Duncan Creek Dam General Arrangement Plan and Elevation
  - Drawing 11-05-202 Duncan Creek Dam General Arrangement Sections
  - Drawing 11-05-203 Duncan Creek Dam Concrete Outline



ELEVATION



SECTION B

SCALE 3/4" = 1'

EXHIBIT L SHEET 45

PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
DUNCAN CREEK DIVERSION  
STREAMFLOW MAINTENANCE PIPE  
INTAKE TRASHRACK  
PLACER COUNTY WATER AGENCY

As-Built March 9, 1999 J Mattson

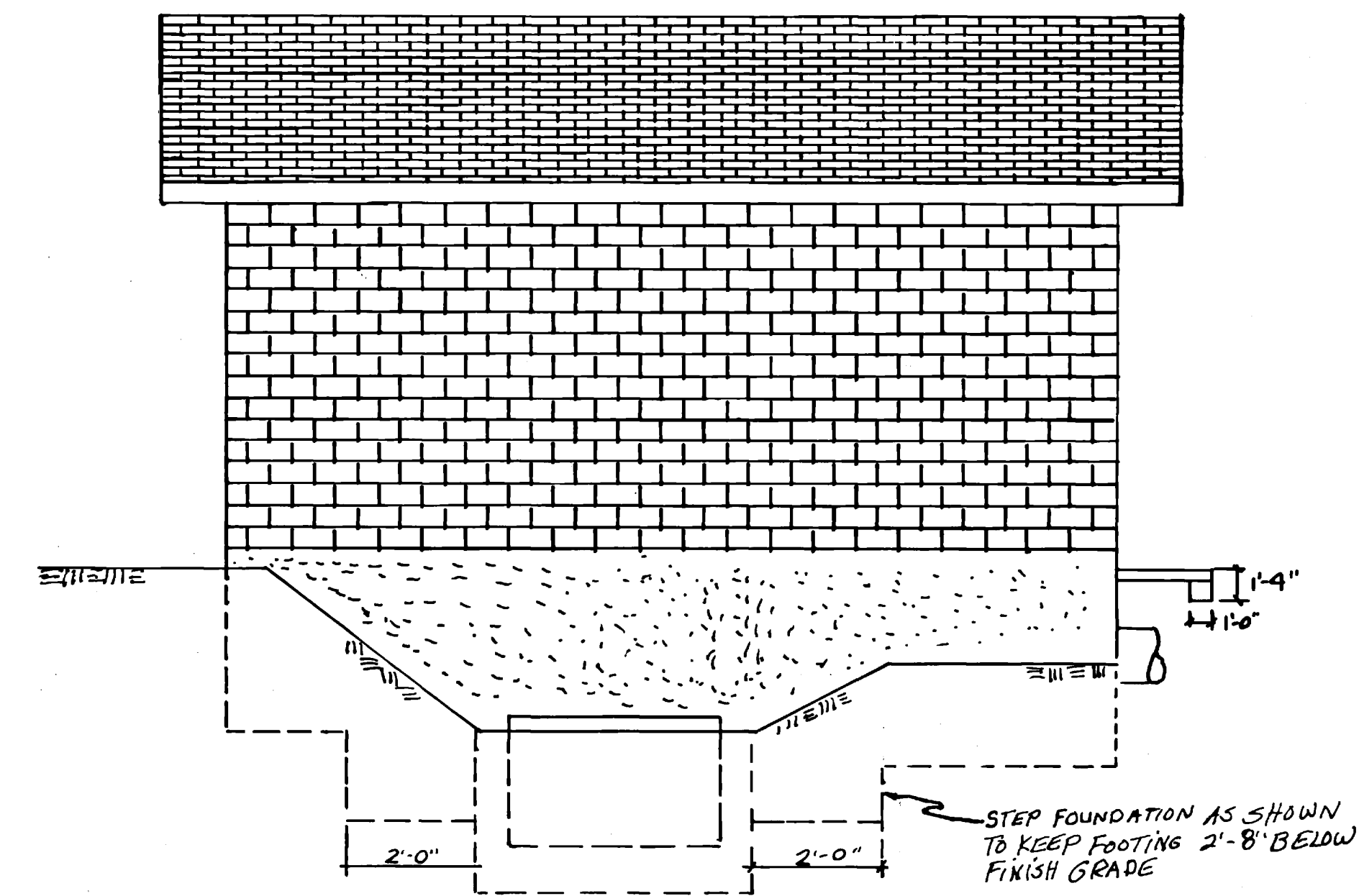
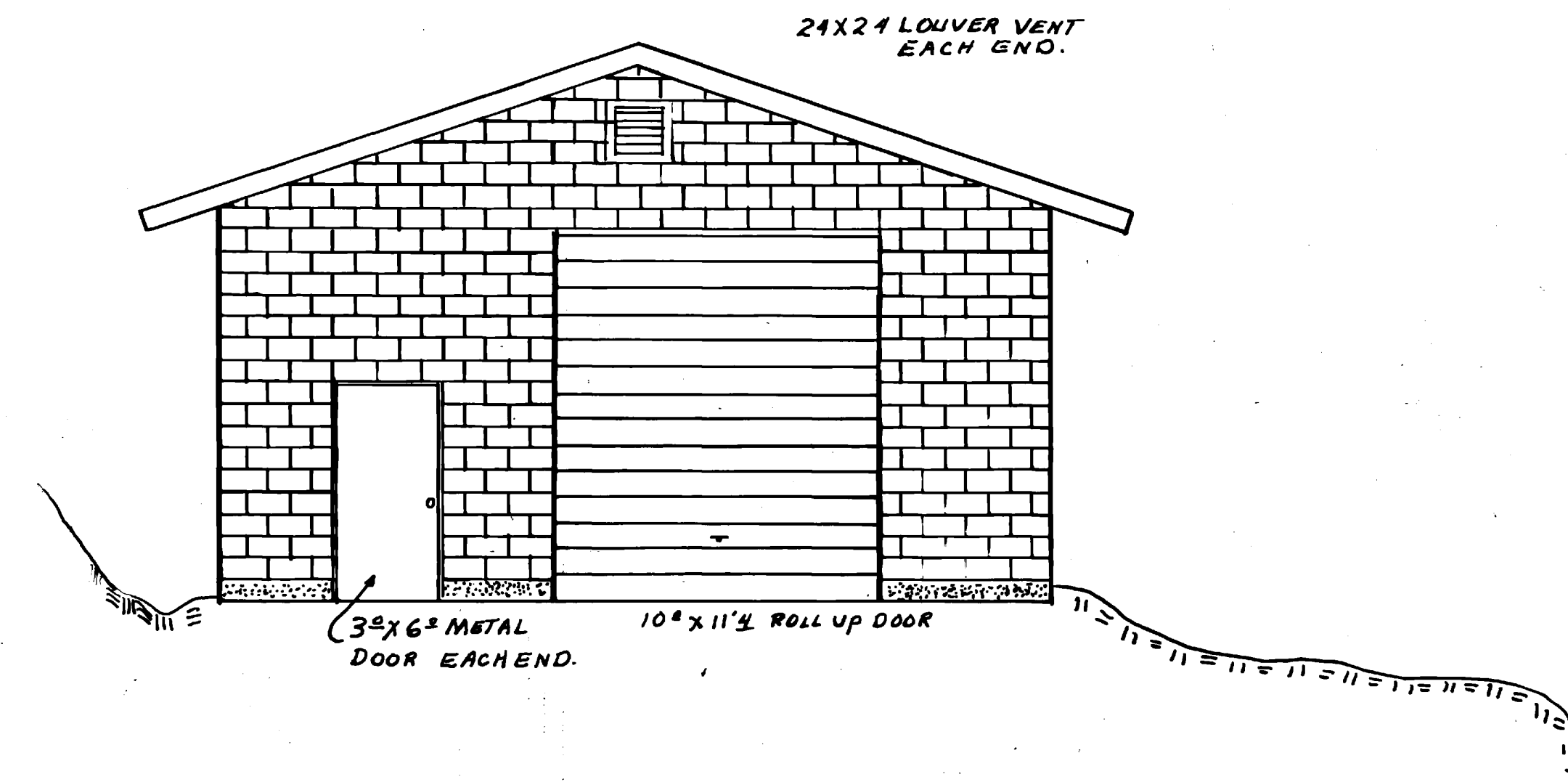
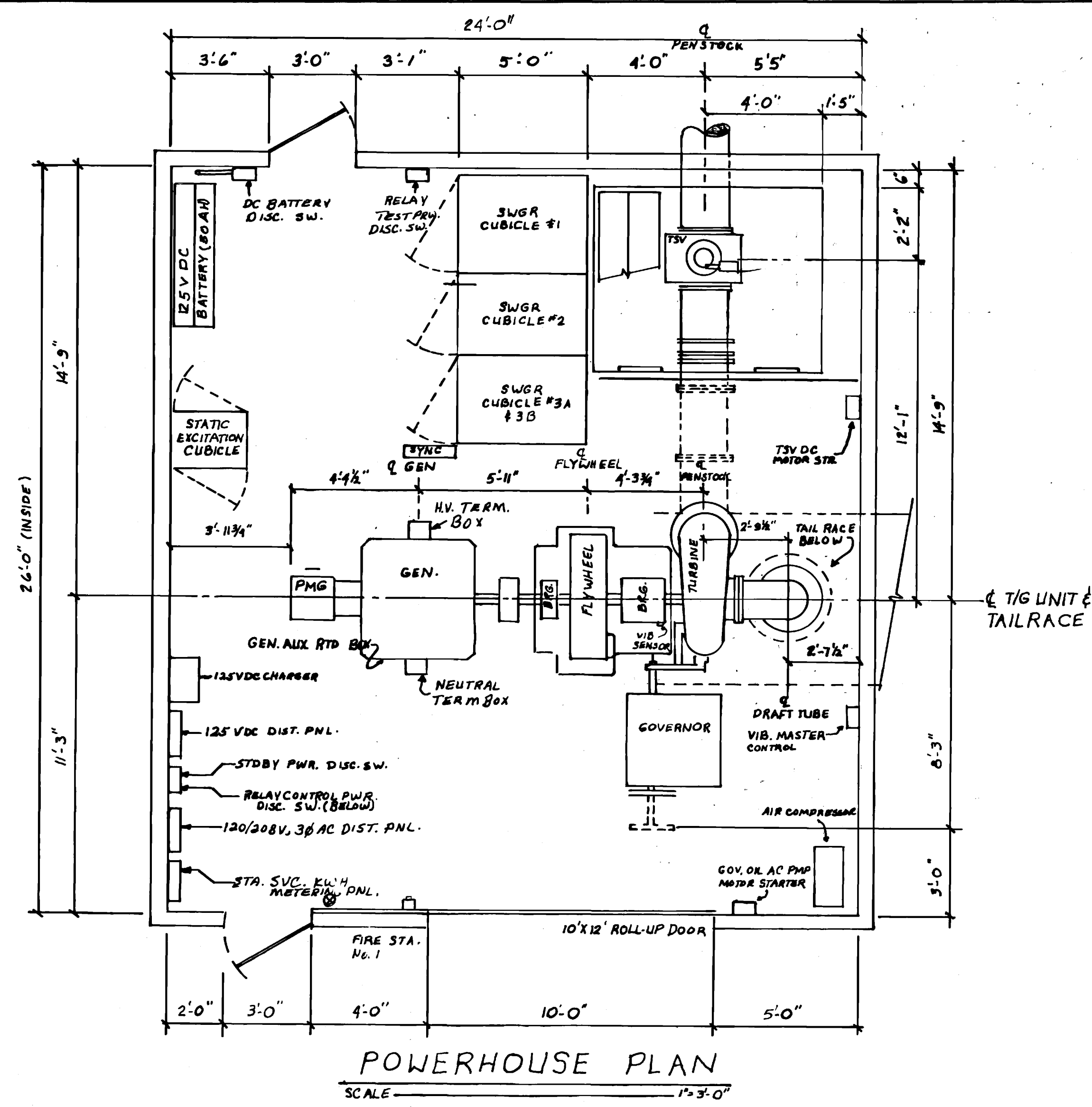


EXHIBIT L-1

Revised 4-84 to show Hell Hole Powerhouse.  
AS-BUILT

REVISED 2-27-84 BY ADT  
PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
HELL HOLE POWERHOUSE  
PROJECT AREA  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

Drawn By:  
A. W. Bair  
10-2-80



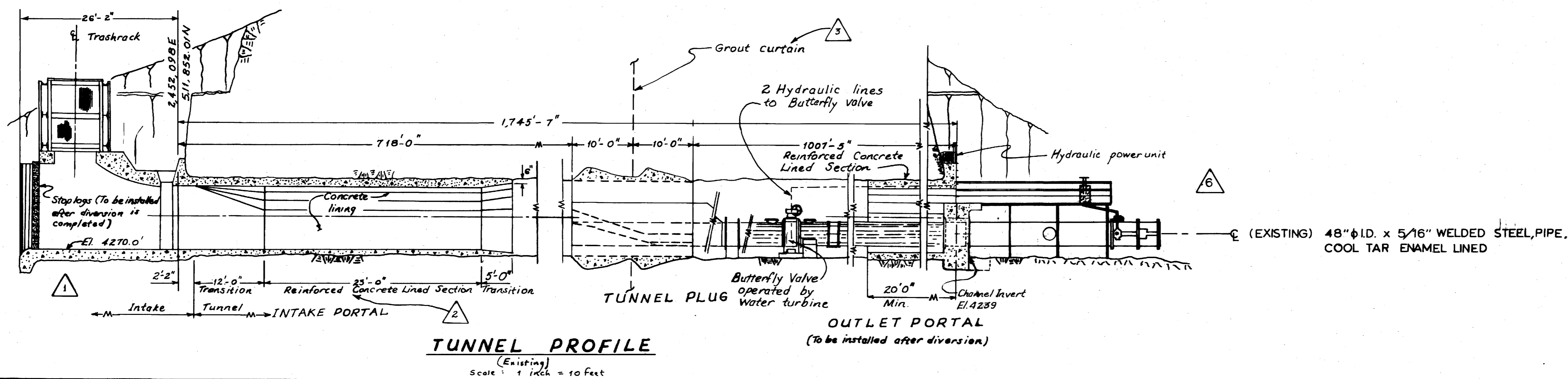
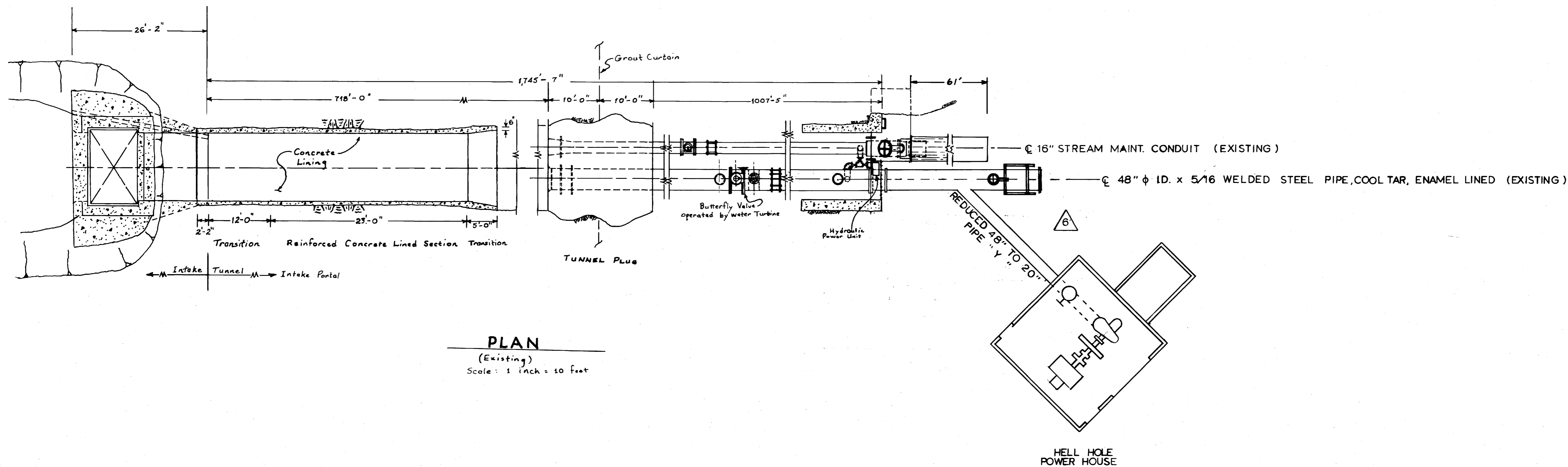
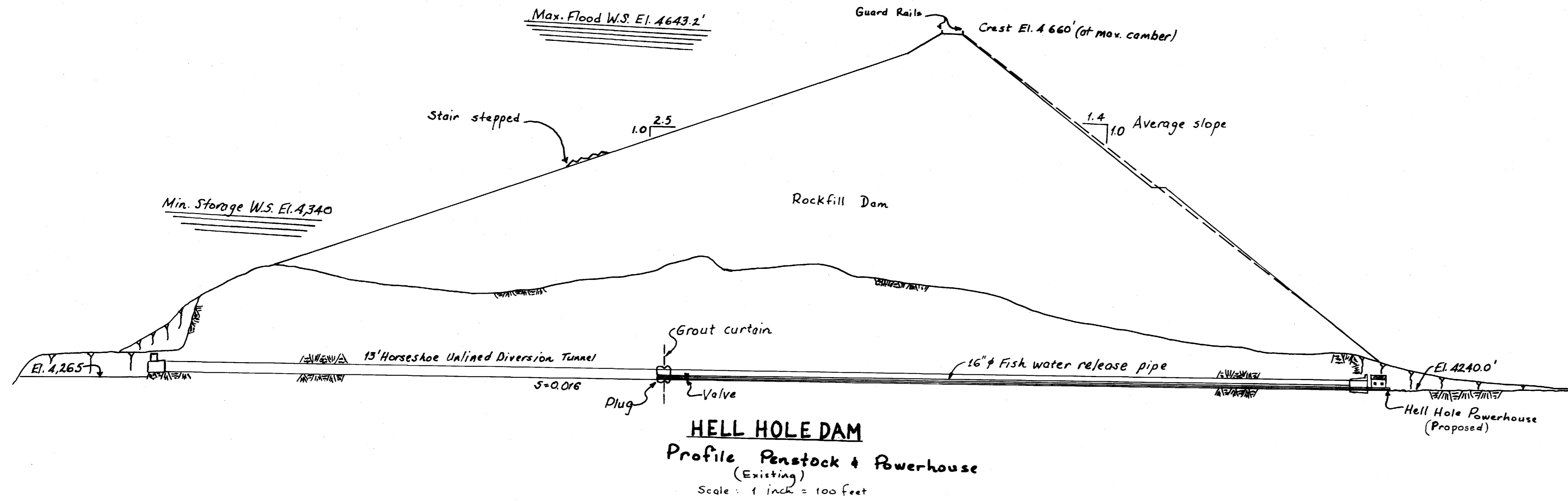


EXHIBIT L-2

Revised 4 84 to show HELL HOLE POWERHOUSE.  
AS-BUILT

PROJECT NO.2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
**HELL HOLE POWERHOUSE**  
GENERAL ARRANGEMENT: PLAN,  
TUNNEL PROFILE,  
PROFILE PENSTOCK & POWERHOUSE.

PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

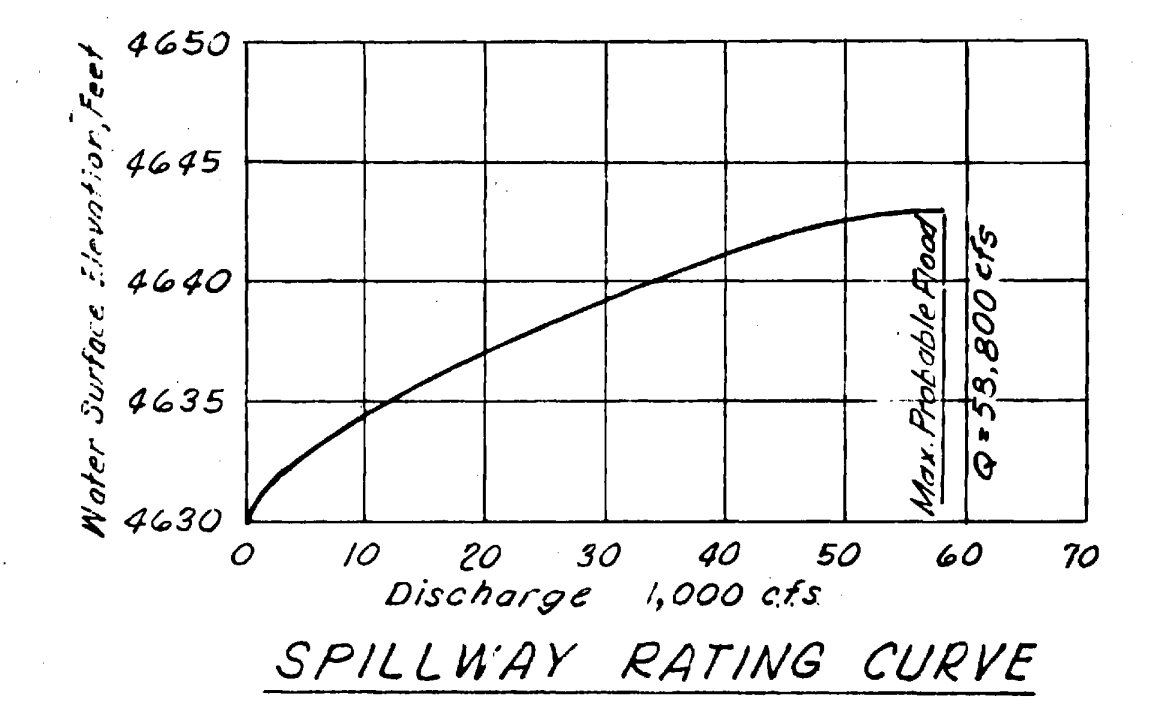
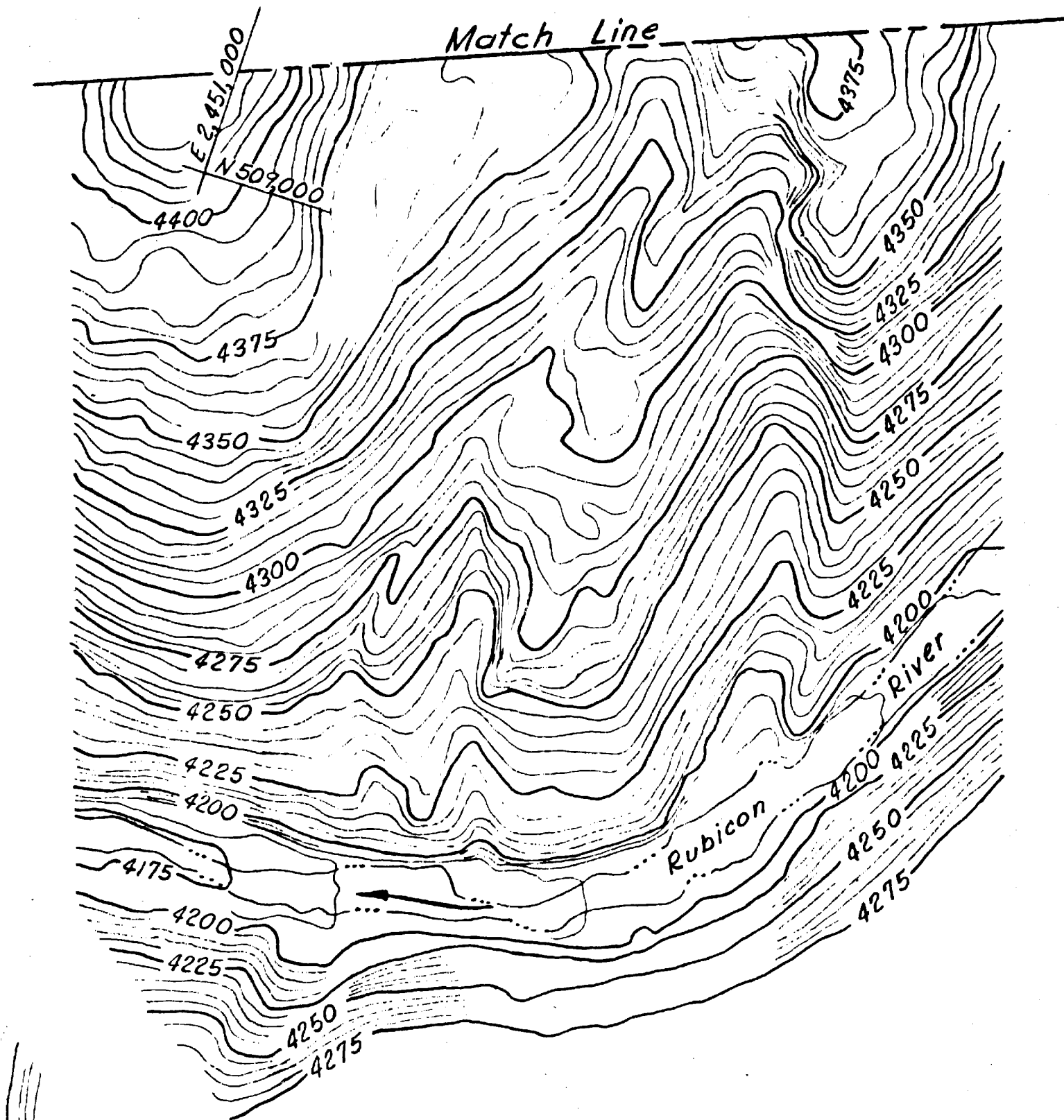
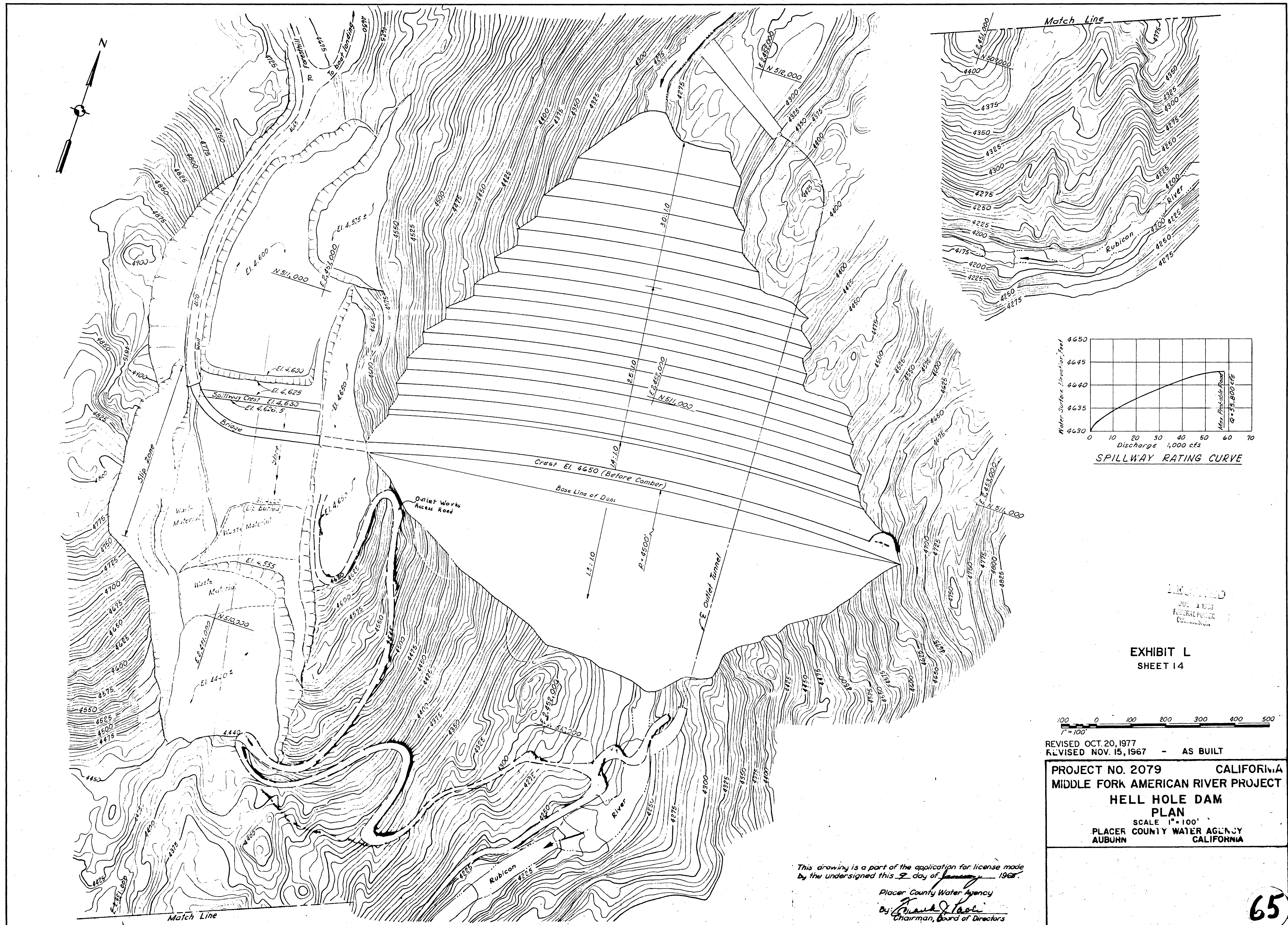
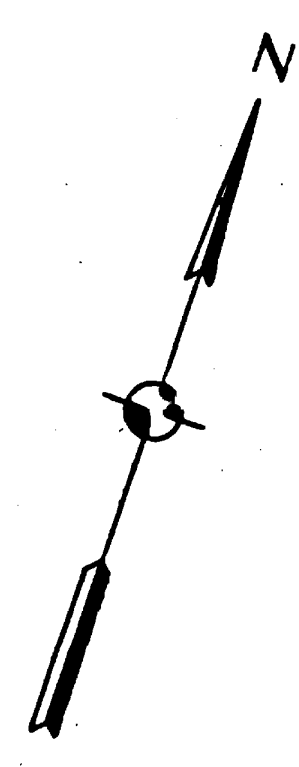
95

Drawn By: *A.W. Bain*  
10-2-80

Minor corrections As Built. ADT 2-21-81

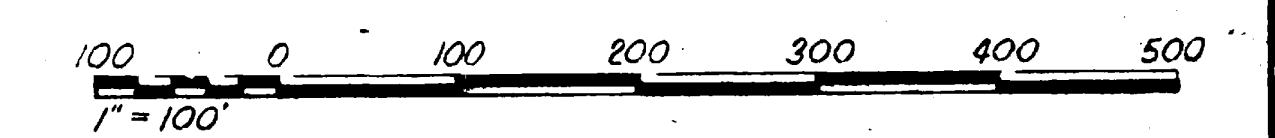
As Built 2-28-66 R.D. I.K.M. 10-2-80 Addition Hell Hole Powerhouse A.W. Bain

Revised Intake Added reinforcement Added grout curtain Minor corrections State Approval 2-5-63 R.M. *AW*



RECORDED  
JUL 1 1968  
FEDERAL POWER  
COMMISSION

EXHIBIT L  
SHEET 14



REVISED OCT. 20, 1977  
REVISED NOV. 15, 1967 - AS BUILT

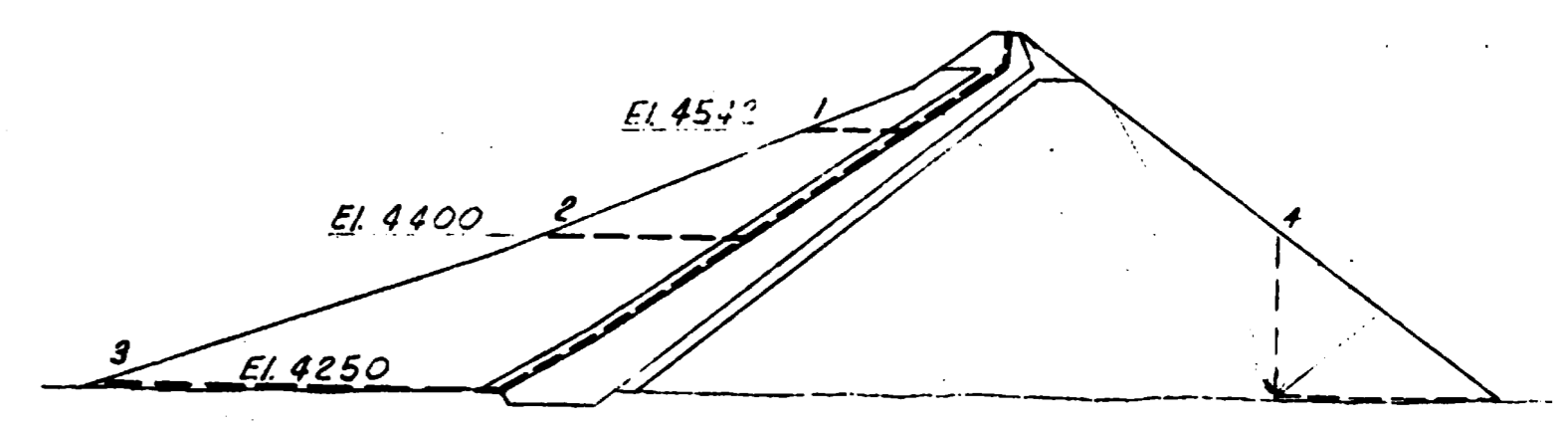
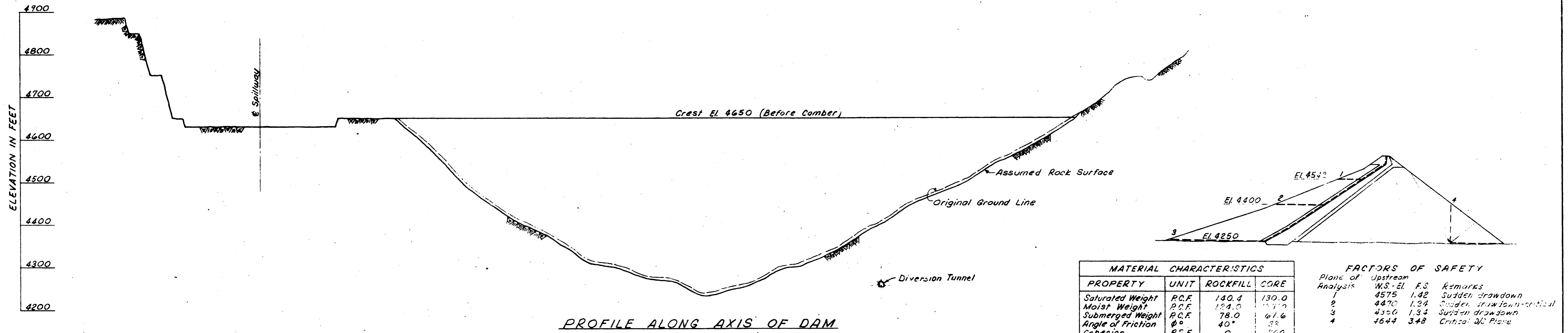
PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
HELL HOLE DAM  
PLAN  
SCALE 1" = 100'  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

This drawing is a part of the application for license made  
by the undersigned this 2 day of January 1968.  
Placer County Water Agency  
By: *Frank J. Lee*  
Chairman, Board of Directors

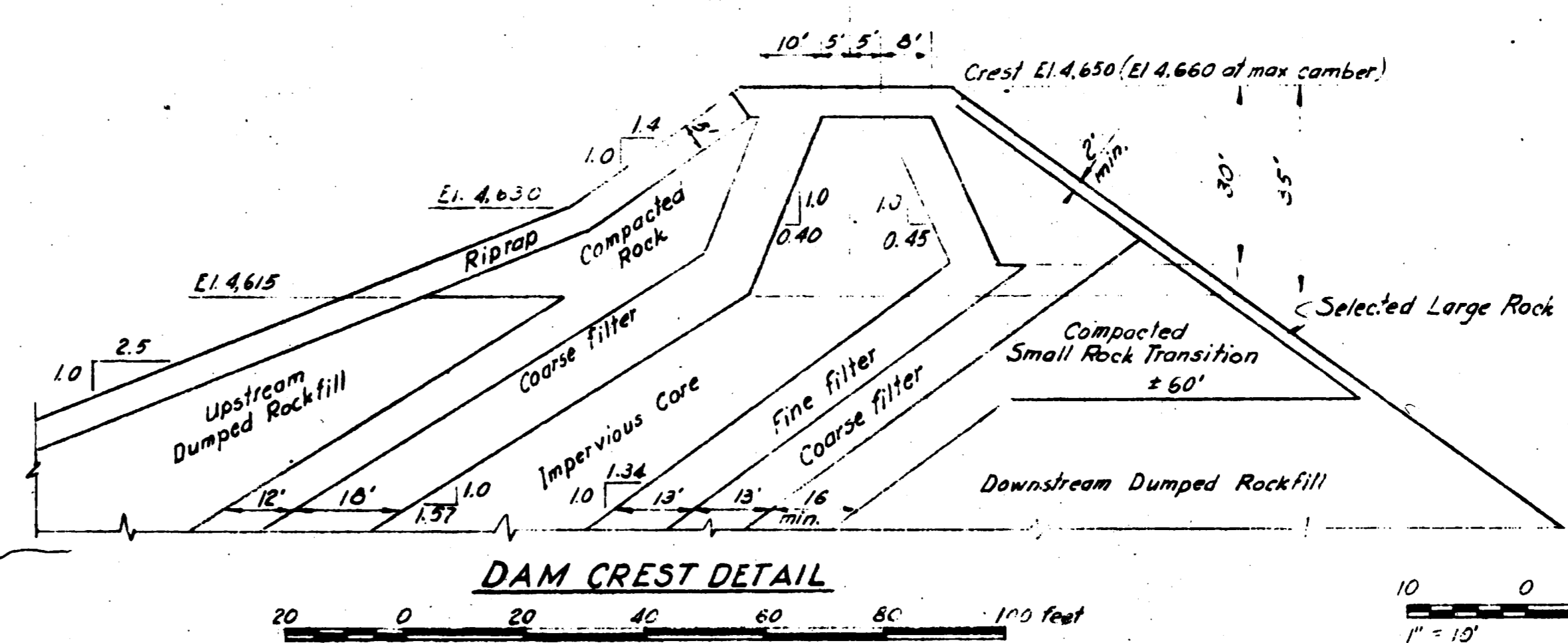
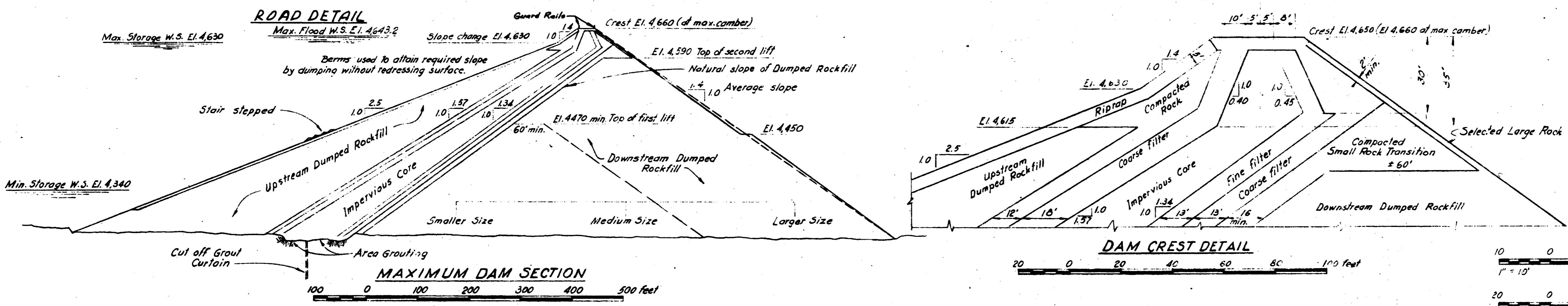
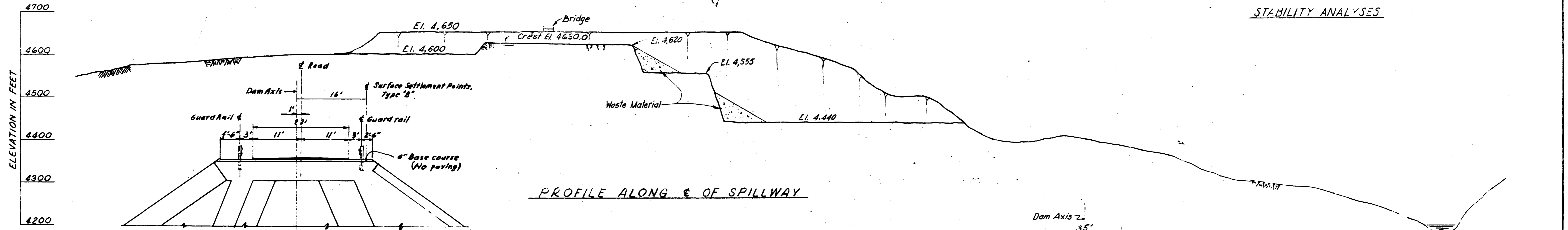
McCREARY · KORETSKY · ENGINEERS  
San Francisco

65

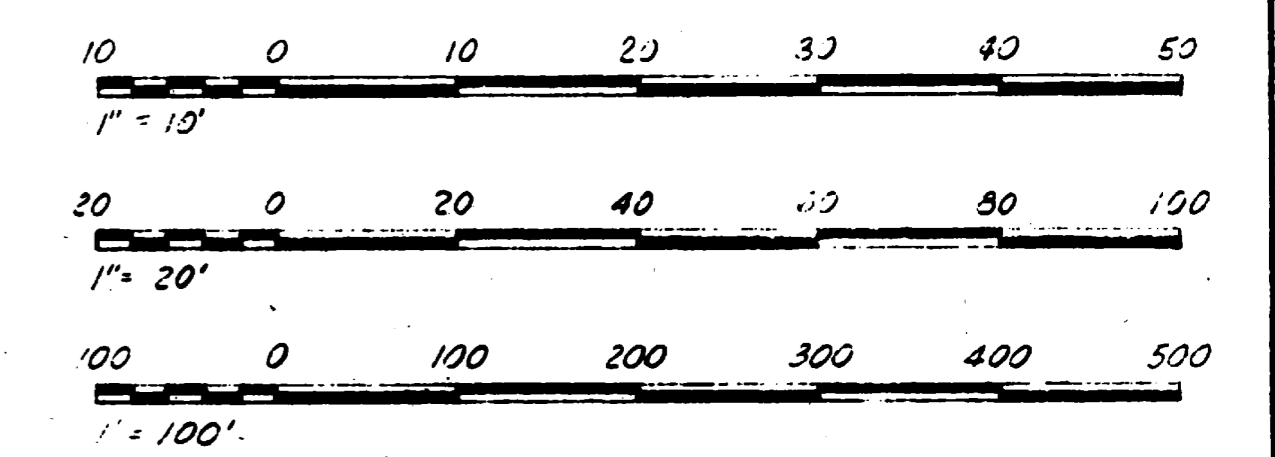
# Contains Critical Energy Infrastructure Information (CEII) - Do Not Distribute



MATERIAL CHARACTERISTICS				FACTORS OF SAFETY			
PROPERTY	UNIT	ROCKFILL	CORE	Plane of Analysis	Upstream WS - El.	F.S.	Remarks
Saturated Weight	P.C.F.	140.4	130.0	1	4575	1.42	Sudden drawdown
Moist Weight	P.C.F.	124.0	117.0	2	4470	1.24	Sudden drawdown-critical
Submerged Weight	P.C.F.	78.0	67.6	3	4320	1.34	Sudden drawdown
Angle of Friction	φ°	40°	32°	4	4644	3.48	Critical 90° Plane
Cohesion	P.S.F.	0	220				

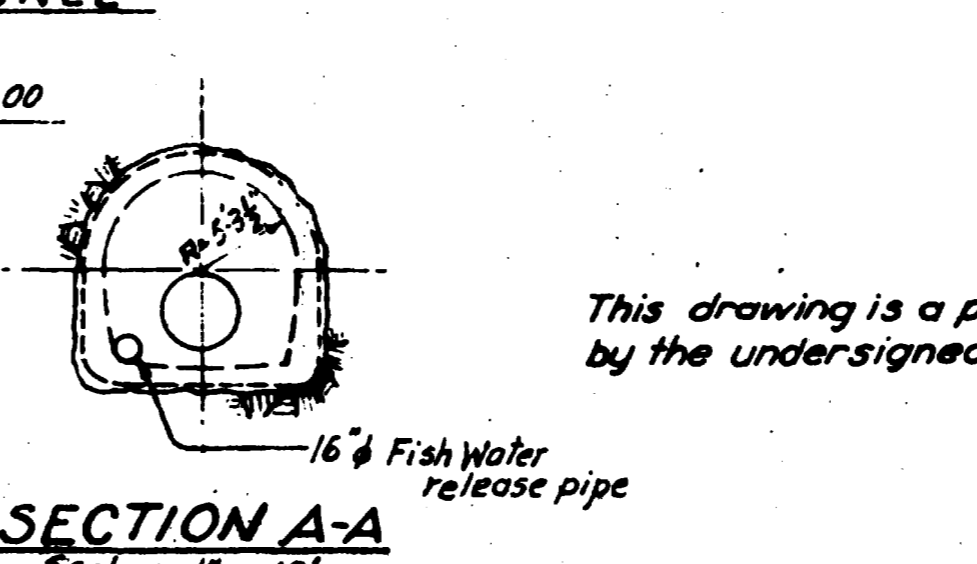
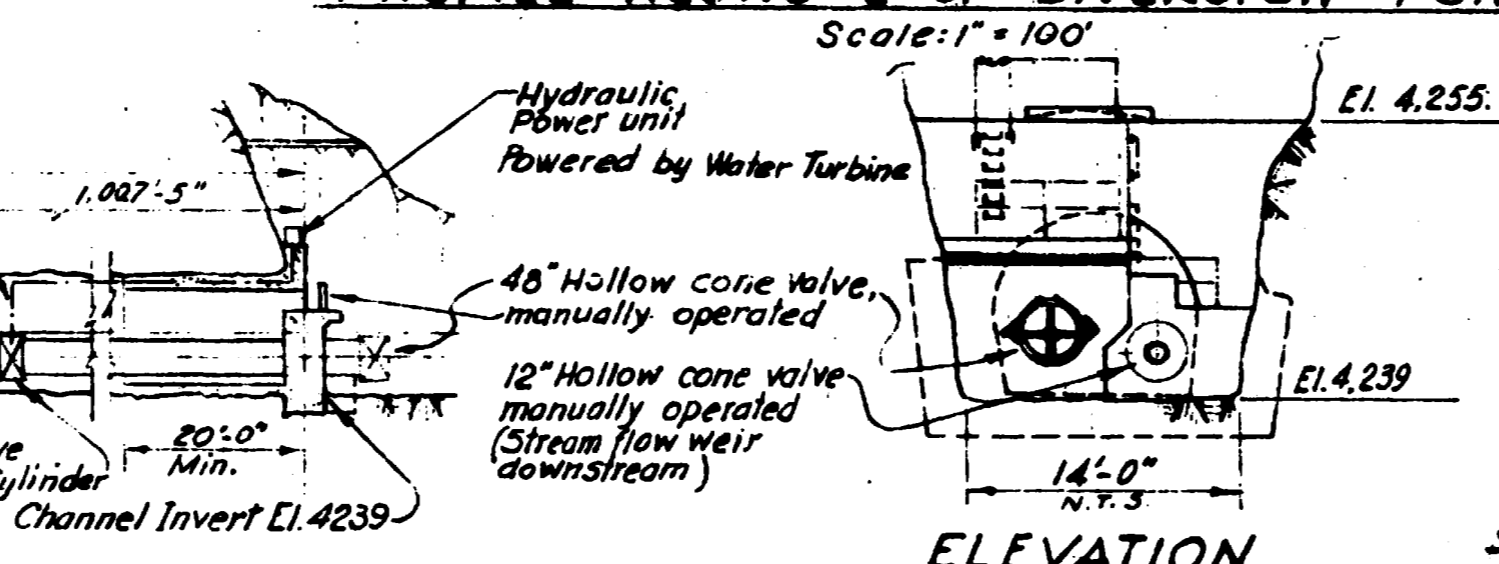
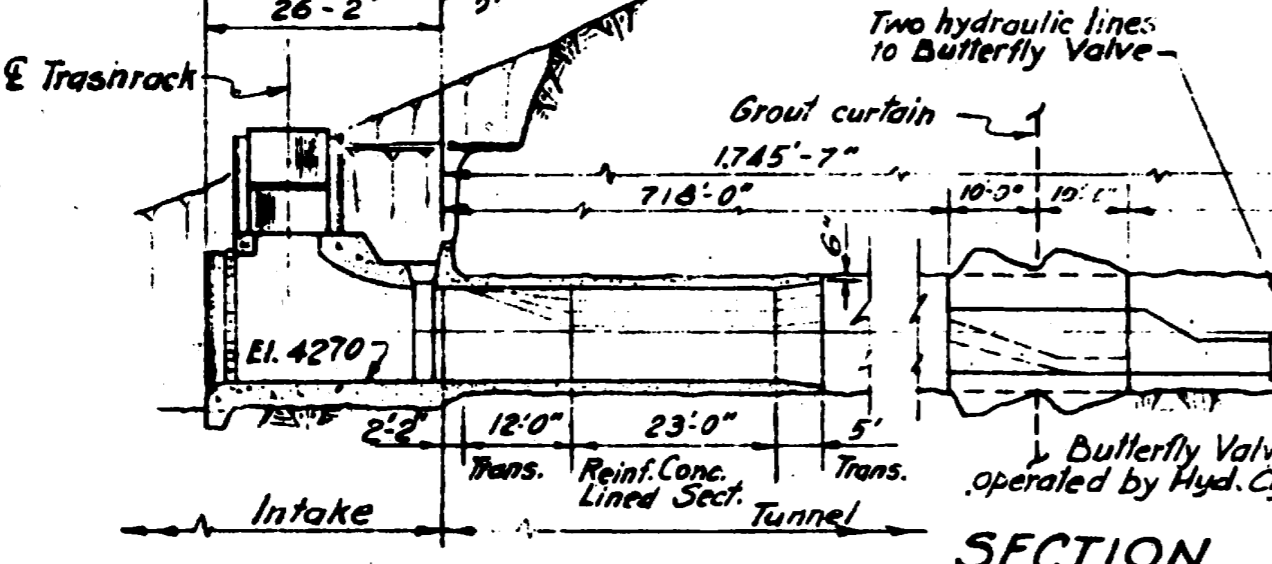
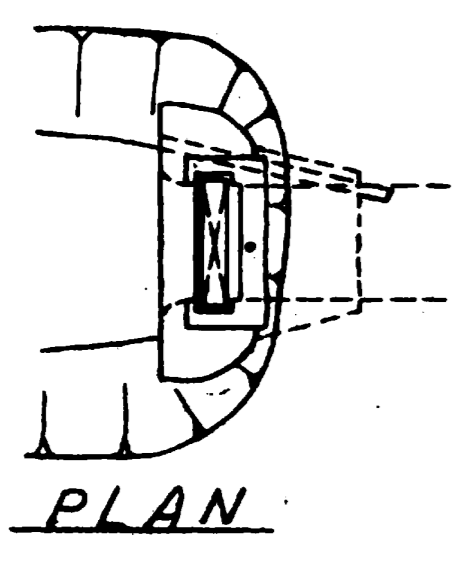
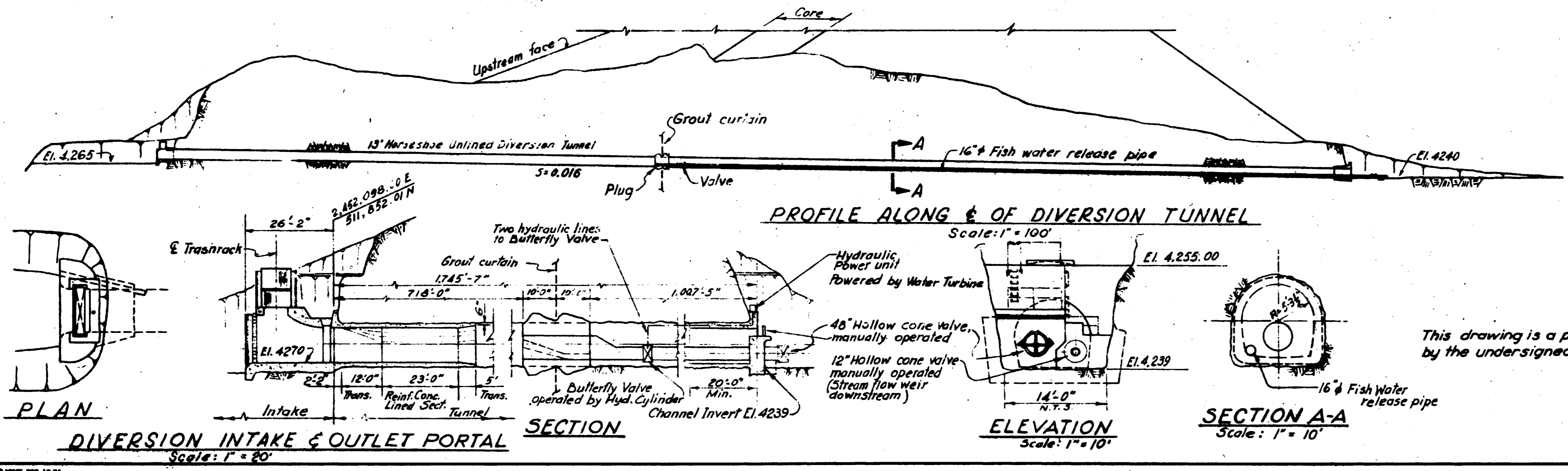


**EXHIBIT L  
SHEET 15**



REVISED OCT. 20, 1977  
REVISED NOV. 15, 1967 - AS BUILT

**PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
HELL HOLE DAM  
SECTIONS AND DETAILS  
SCALE AS SHOWN  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA**



This drawing is a part of the application for license made by the undersigned this 2 day of January 1968.

Placer County Water Agency  
By *Frank Plater*  
Chairman, Board of Directors

66

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Sacramento  
San Francisco

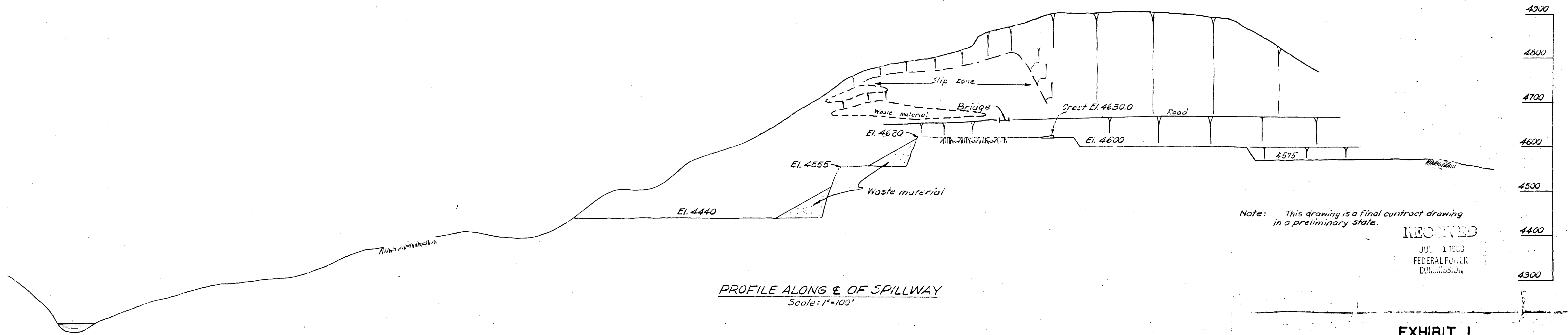
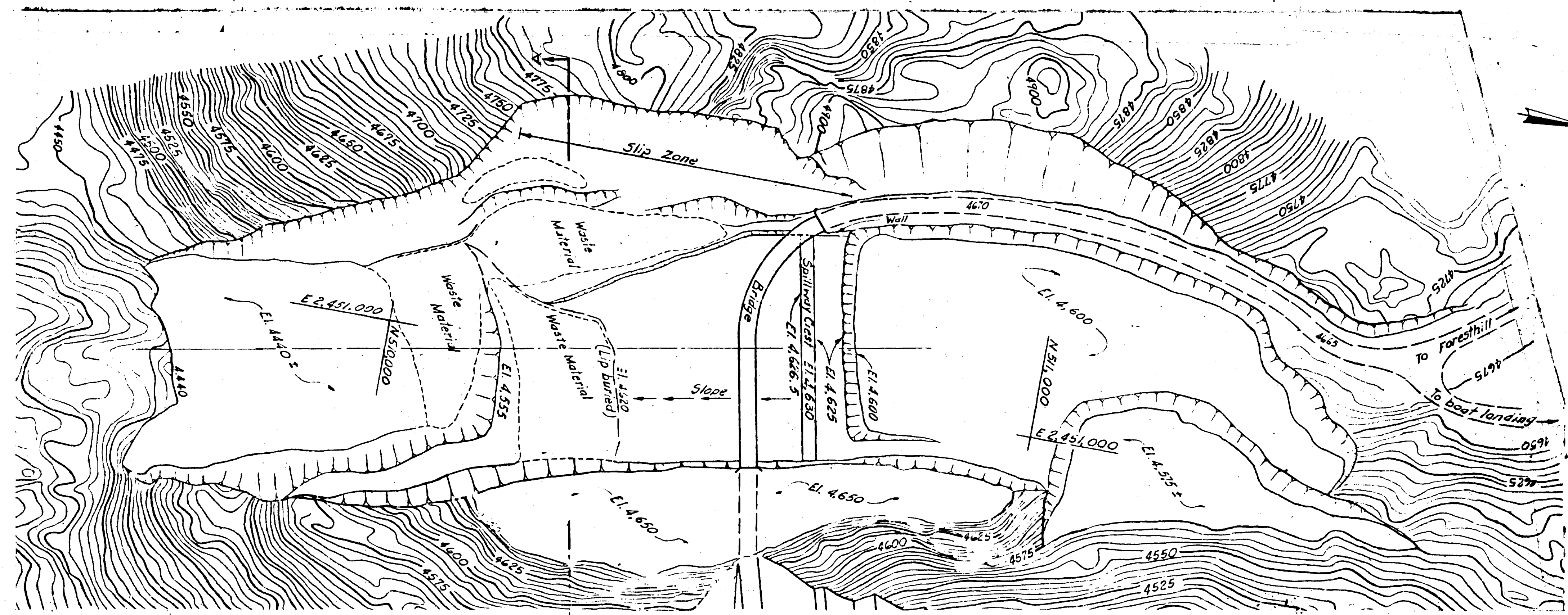
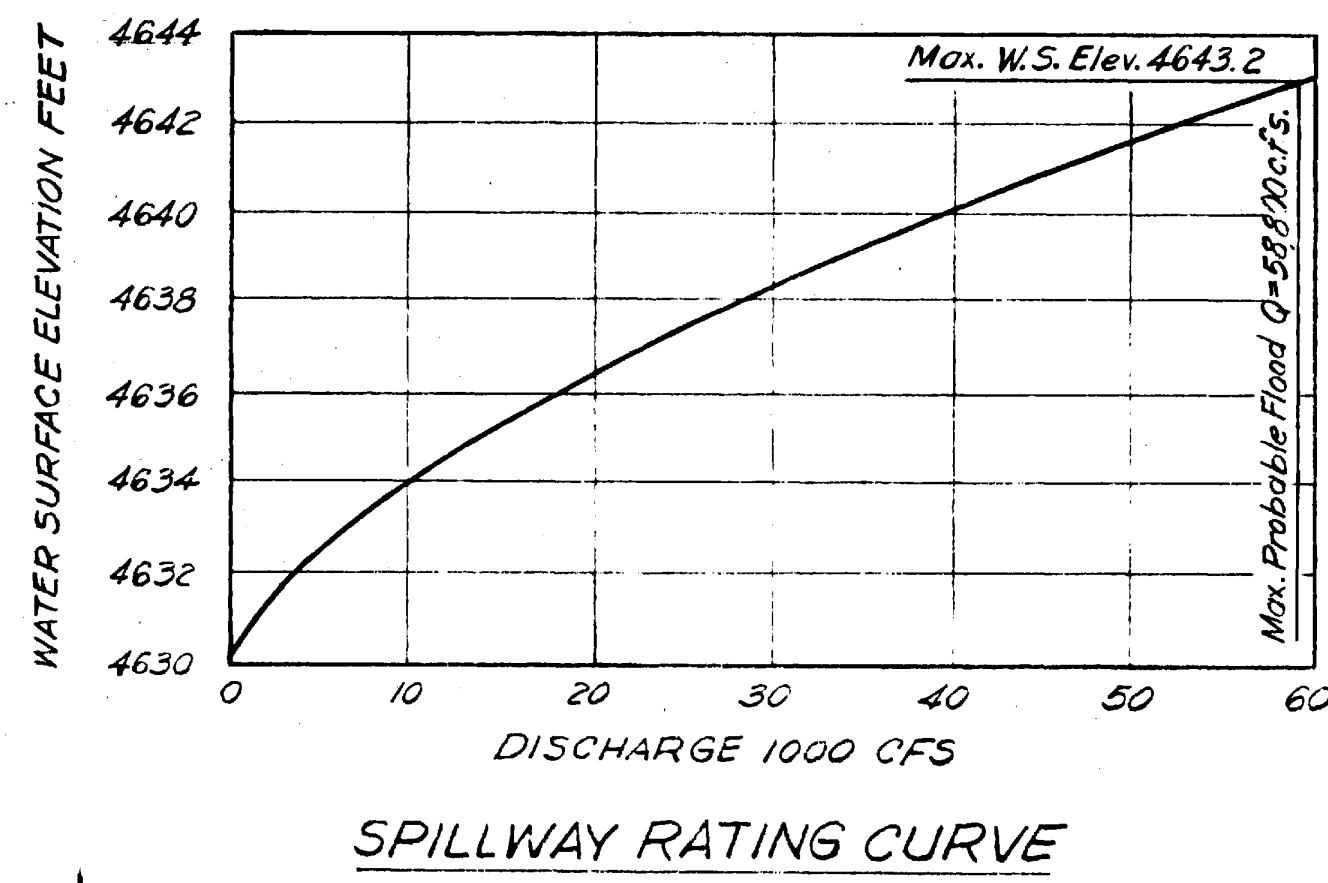
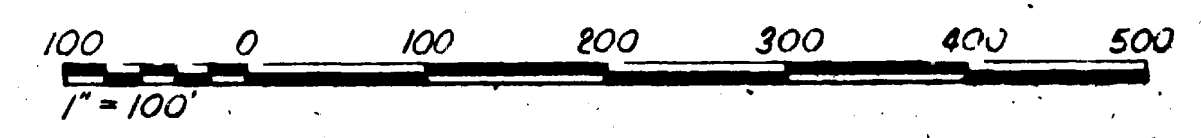
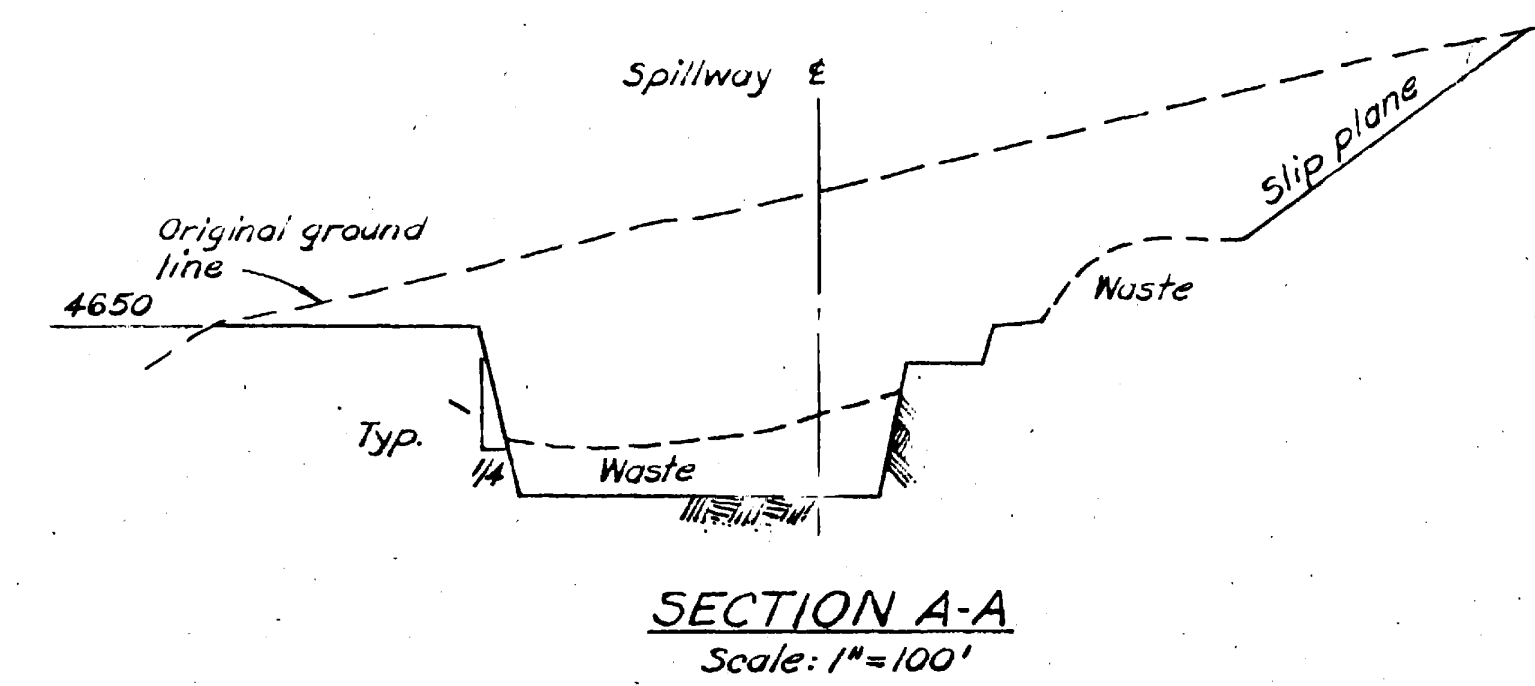
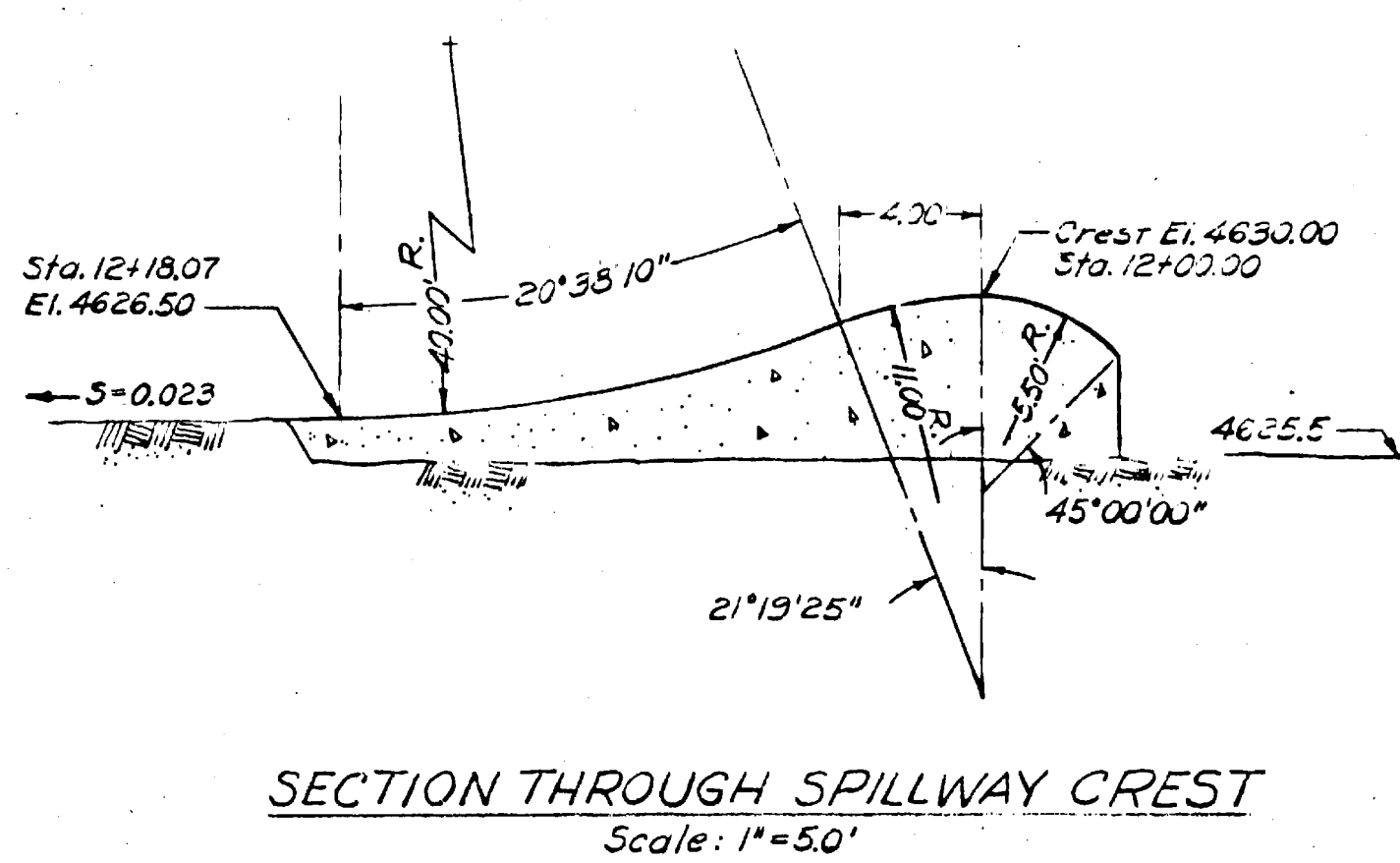


EXHIBIT L  
 SHEET 16



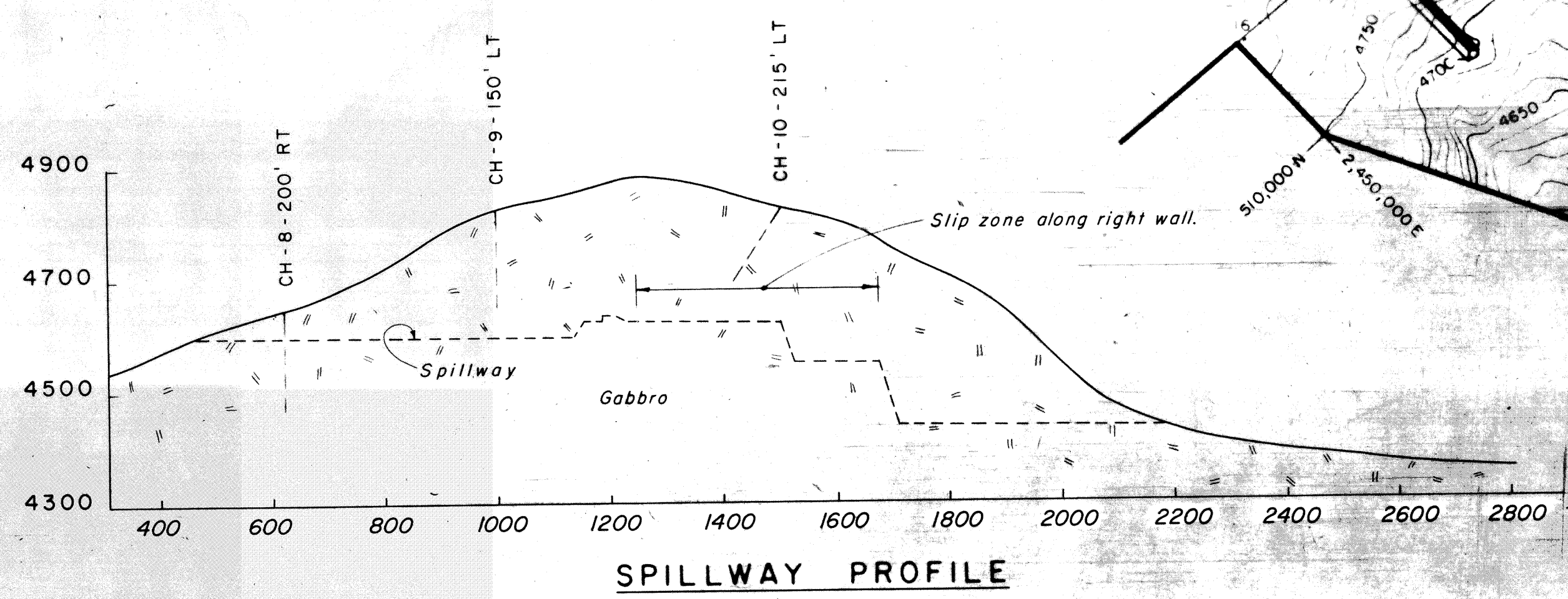
REVISED NOV. 15, 1961 - AS ELEC 1  
**PROJECT NO. 2079 CALIFORNIA**  
**MIDDLE FORK AMERICAN RIVER PROJECT**  
**HELL HOLE SPILLWAY**  
**PLAN PROFILE AND SECTIONS**  
 SCALE AS SHOWN  
**PLACER COUNTY WATER AGENCY**  
**AUBURN CALIFORNIA**



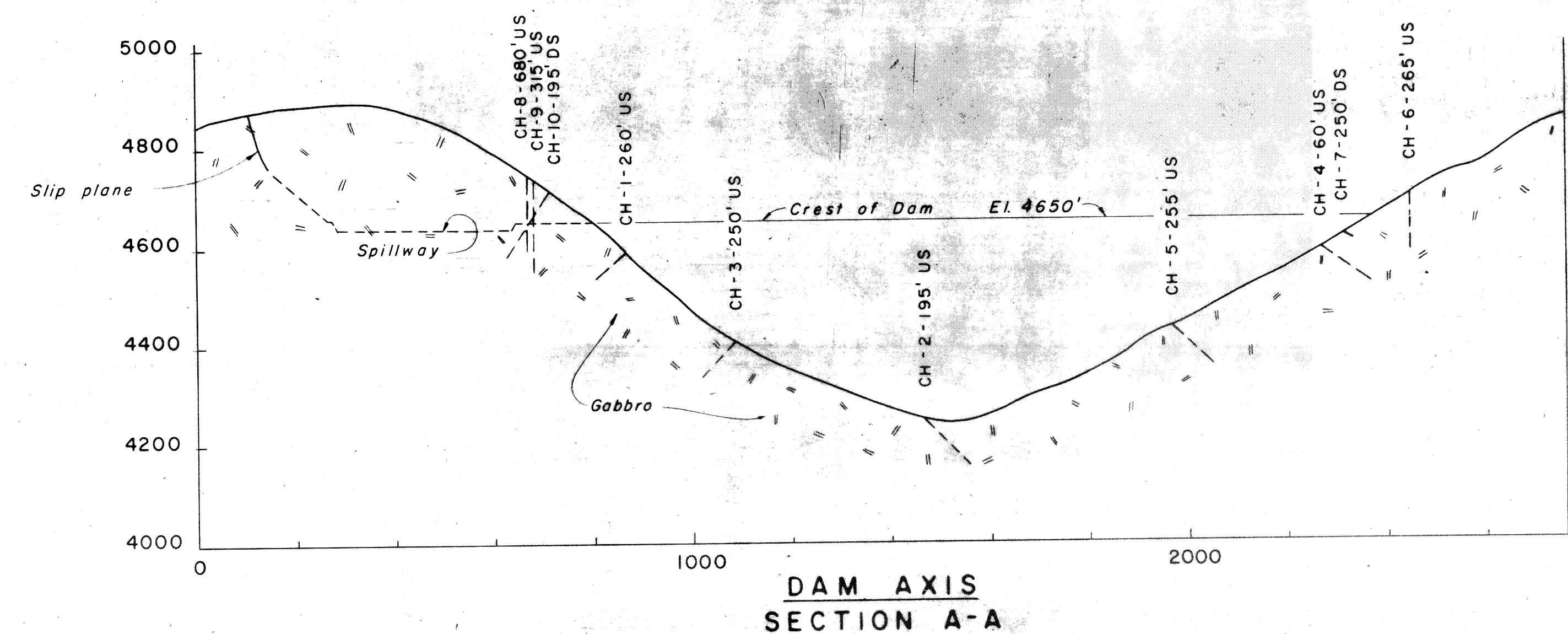
This drawing is a part of the application for license made by the undersigned this 2 day of January 1968.

Placer County Water Agency  
 By: *David J. Pool*  
 Chairman, Board of Directors

67



SPILLWAY PROFILE



DAM AXIS SECTION A-A

PLAN

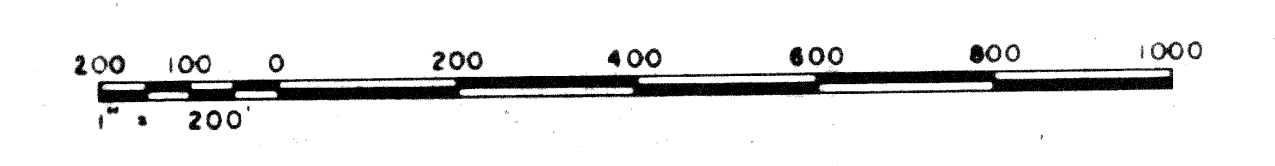
LEGEND

- CH-3 NX CORE DRILL HOLE
- ↘ 20 STRIKE AND DIP OF PRIMARY JOINT
- ★ STRIKE OF VERTICAL JOINT

This map is a part of the application for license made by the undersigned this 9 day of January 1958.

Placer County Water Agency  
By *Frank J. Pace*  
Chairman, Board of Directors

EXHIBIT L  
SHEET 17



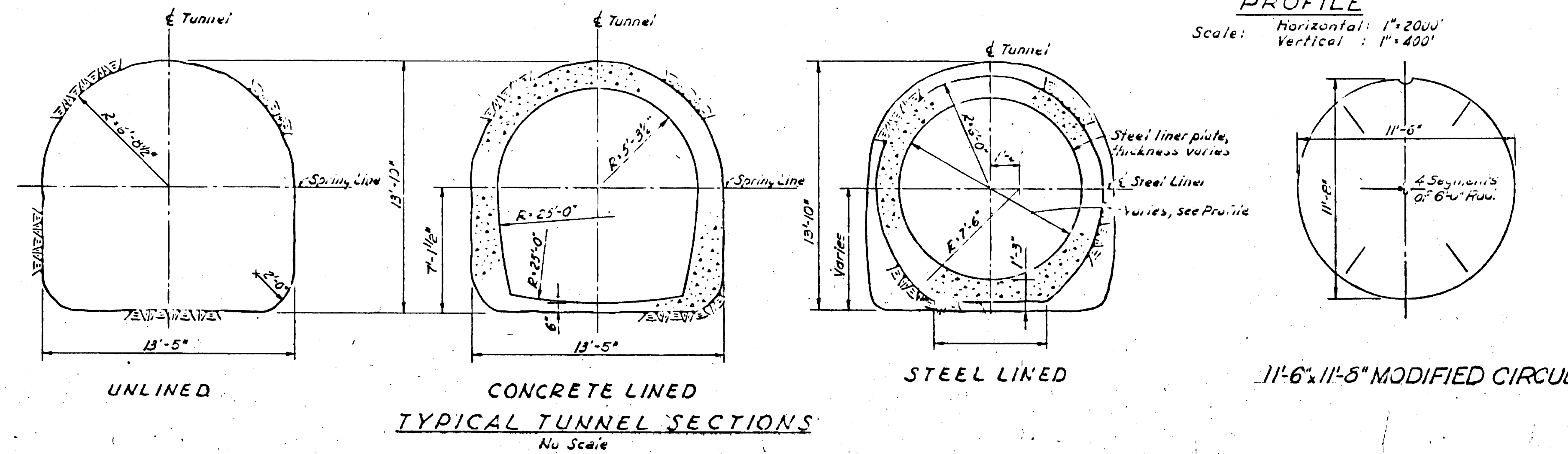
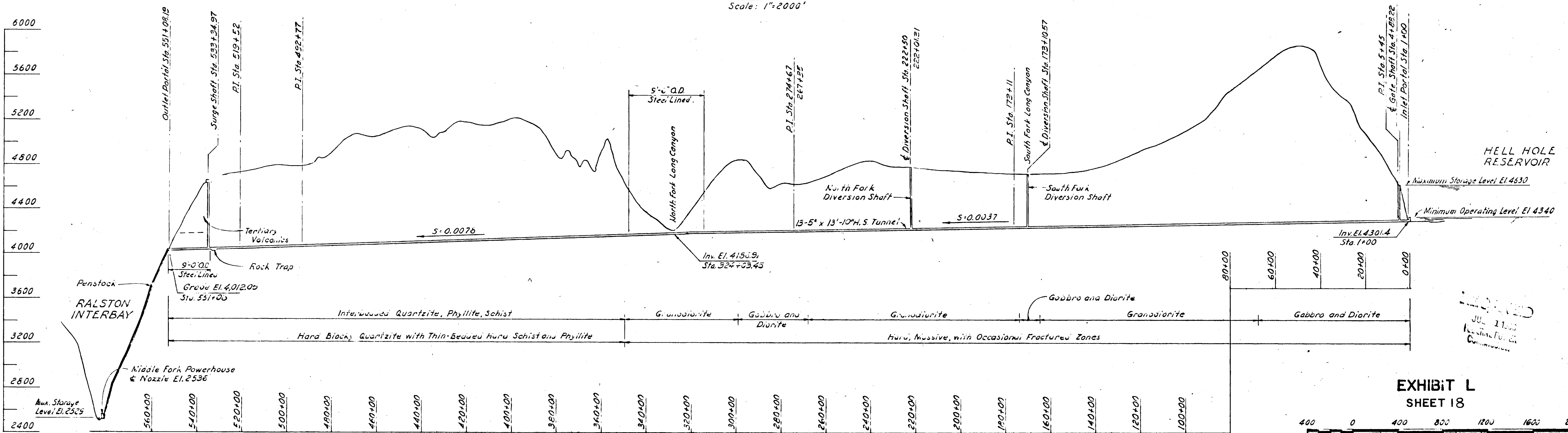
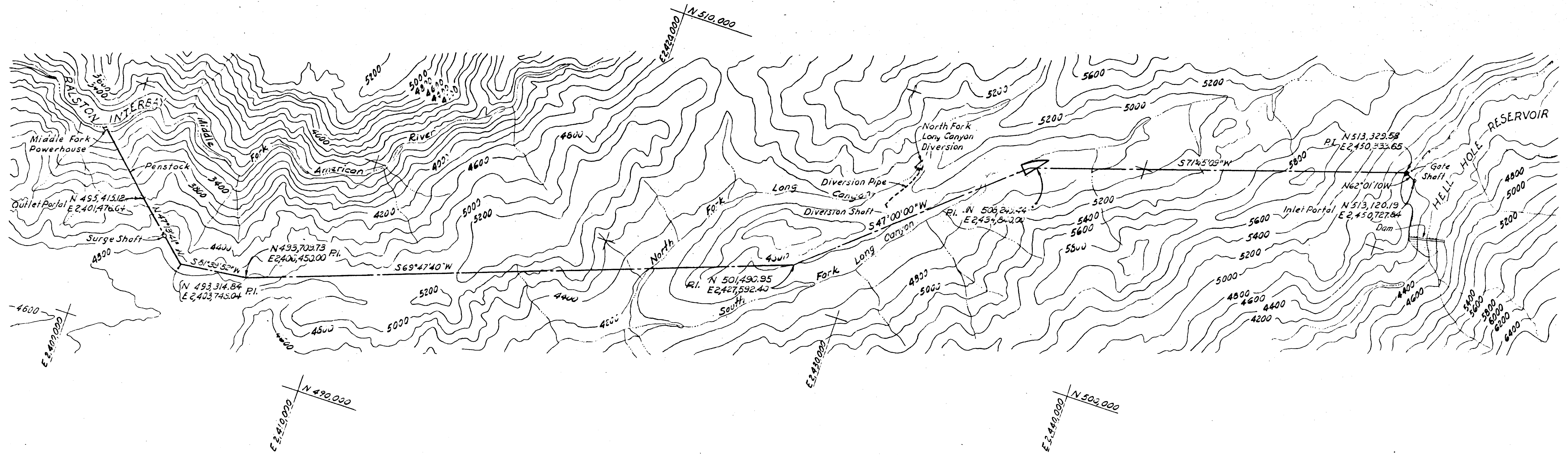
NOTE

1. See Sheet 15 for logs of explorations
2. Locations for CH-5, CH-7, CH-11 and CH-12 are approximate
3. Geological interpretations as shown are preliminary

REVISED NOV. 15, 1967 - AS BUILT  
REVISED AUG. 1, 1962

PROJECT NO 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
HELL HOLE DAM  
GEOLOGY  
SCALE 1" = 200'  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

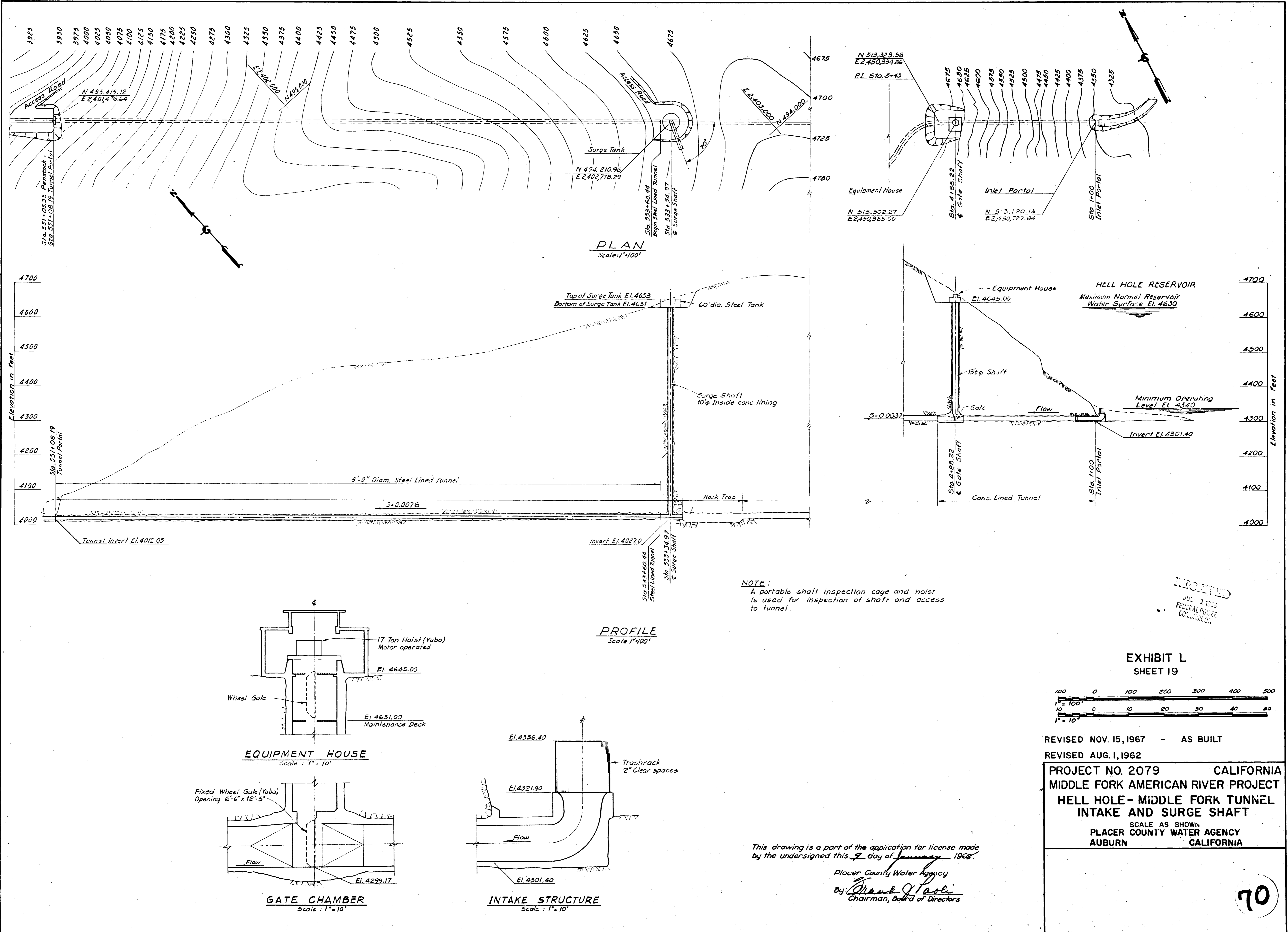
McCREARY · KORETSKY · ENGINEERS  
San Francisco Sacramento



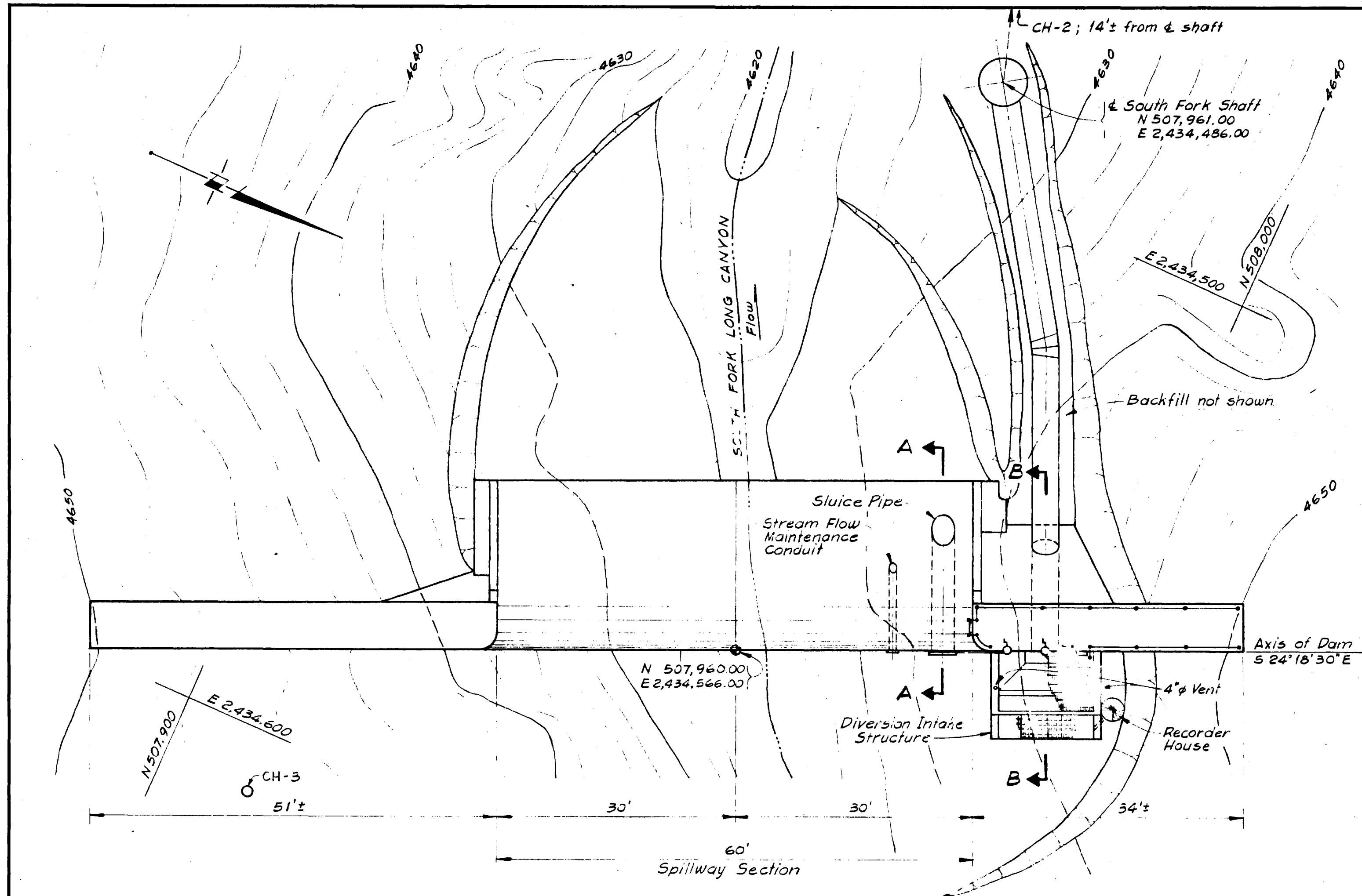
NOTE:  
1. The rock types indicated on the profile apply to the tunnel.  
The surge shaft penetrates tertiary volcanics to the approximate depths indicated.

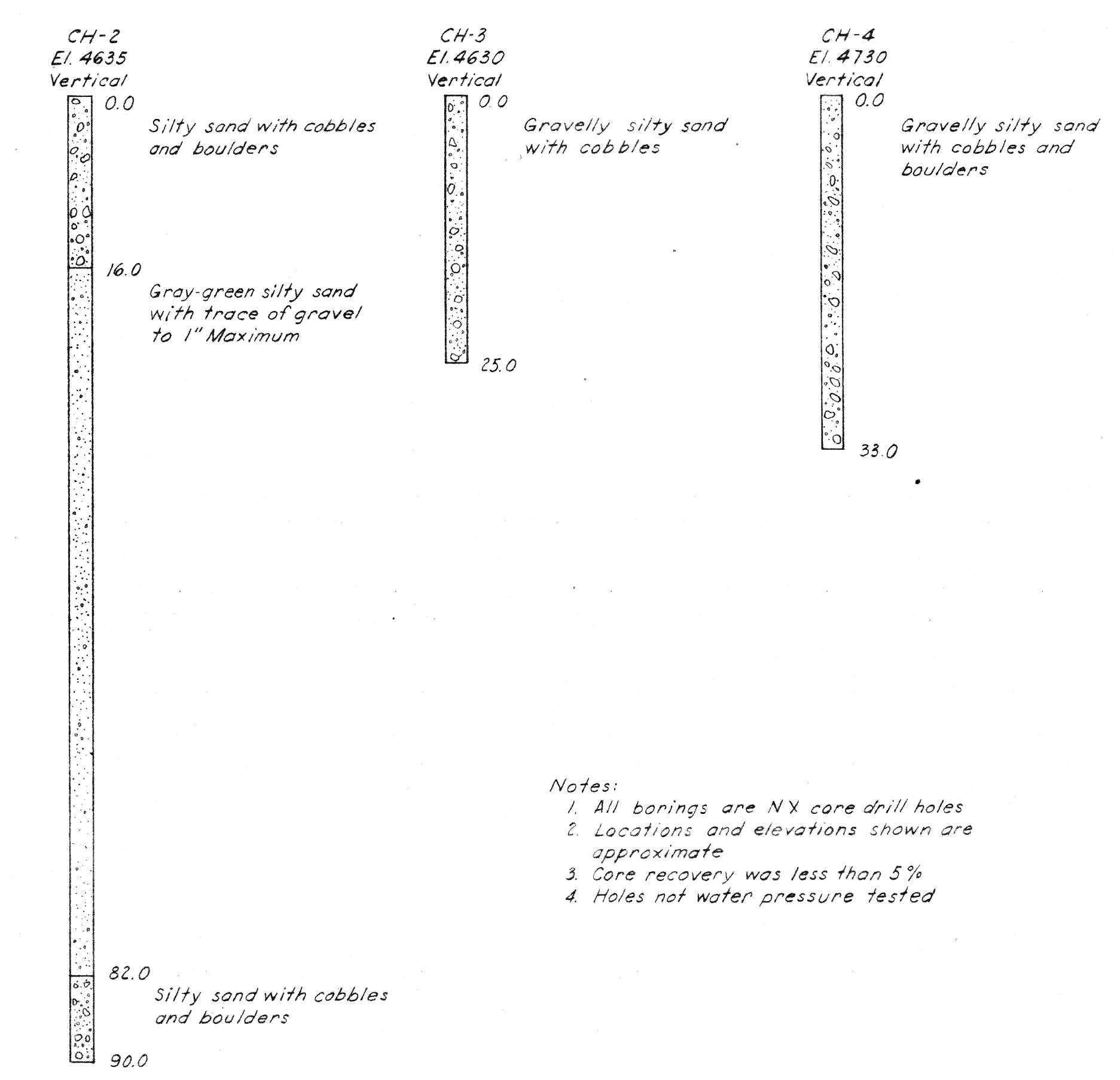
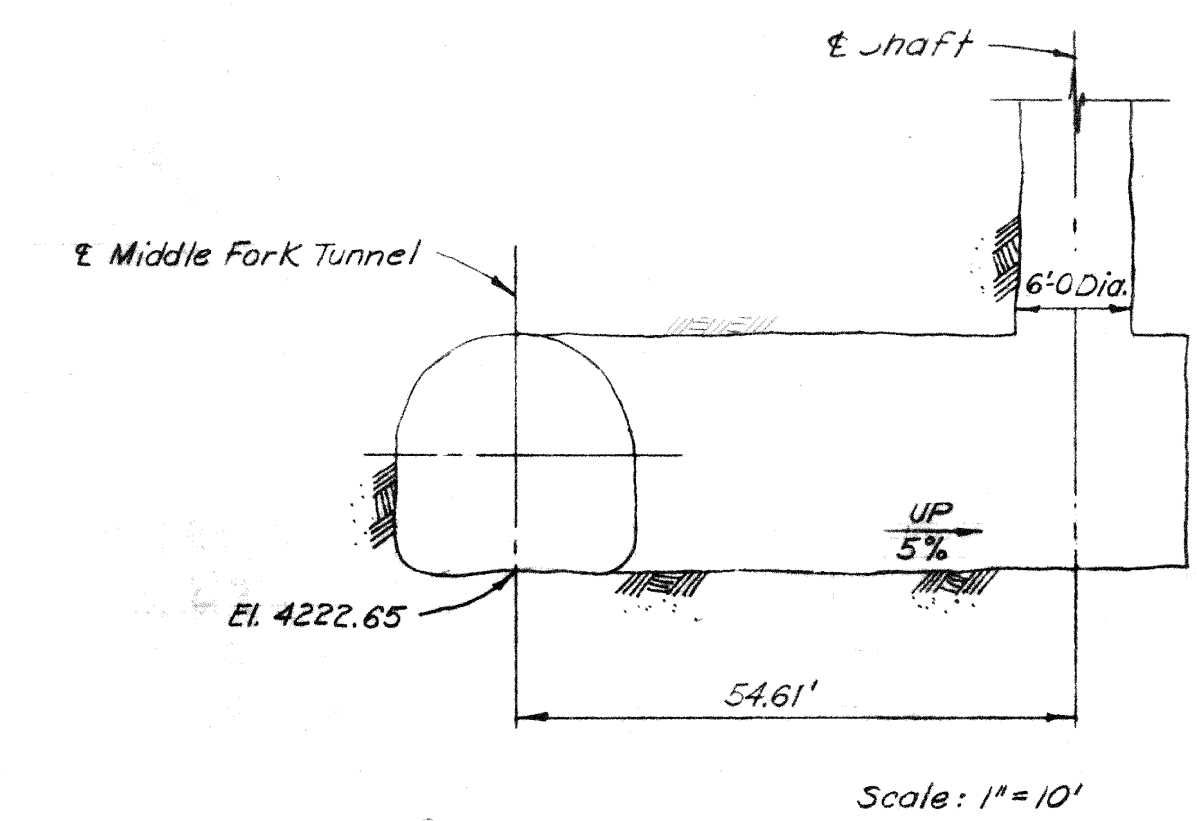
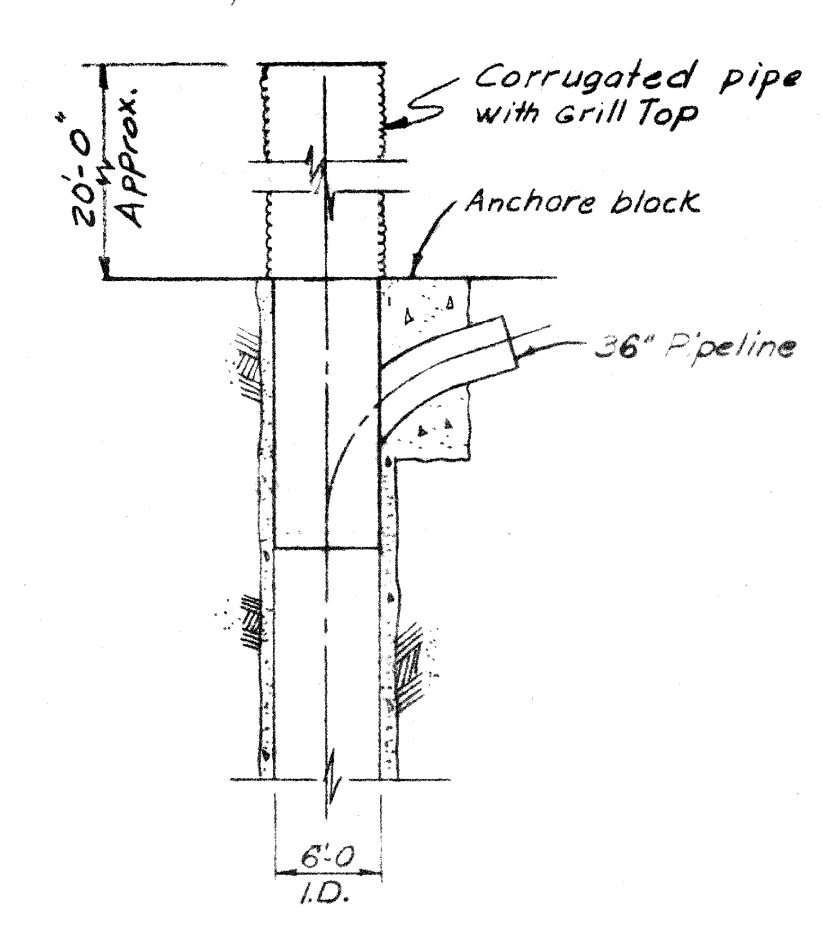
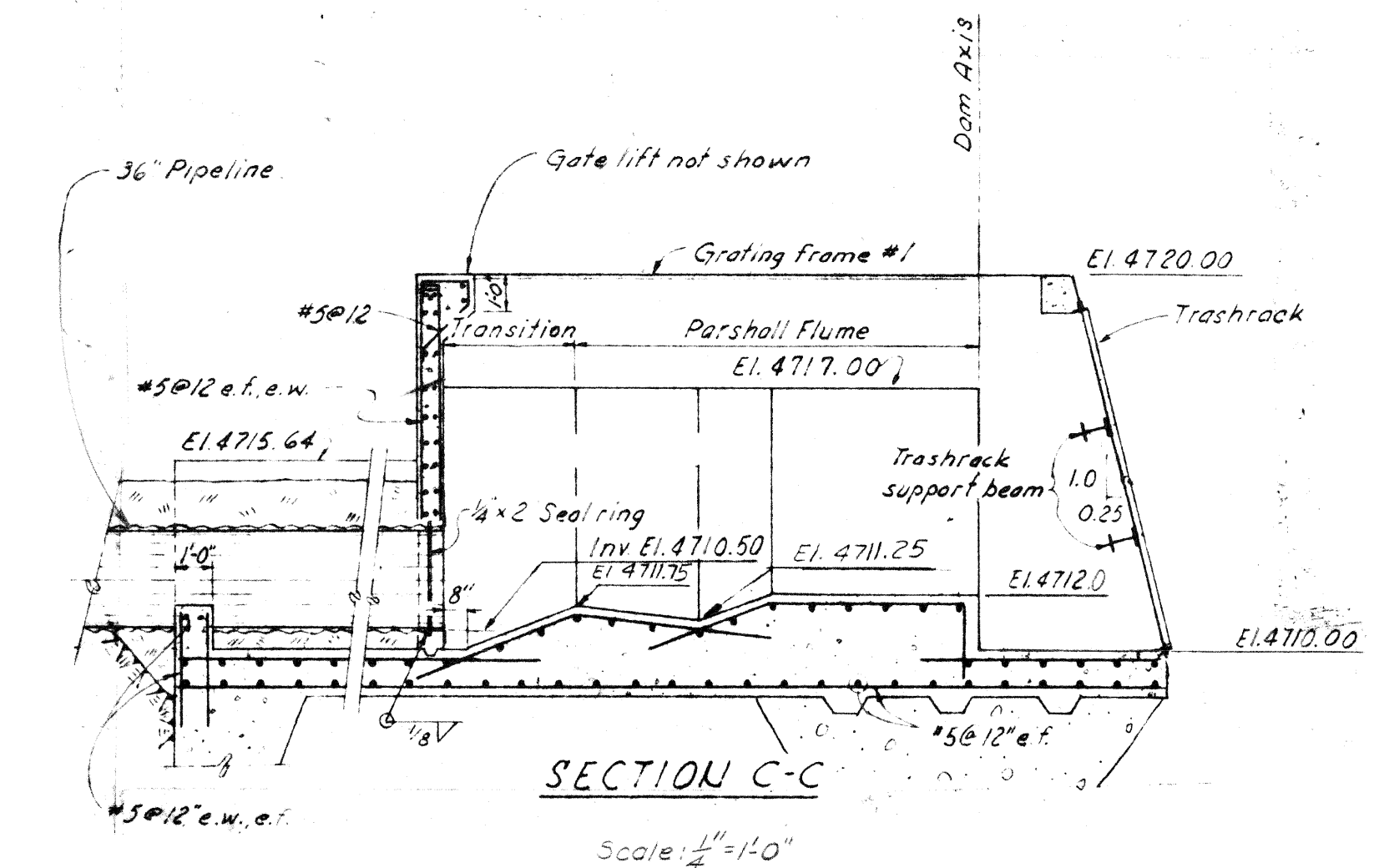
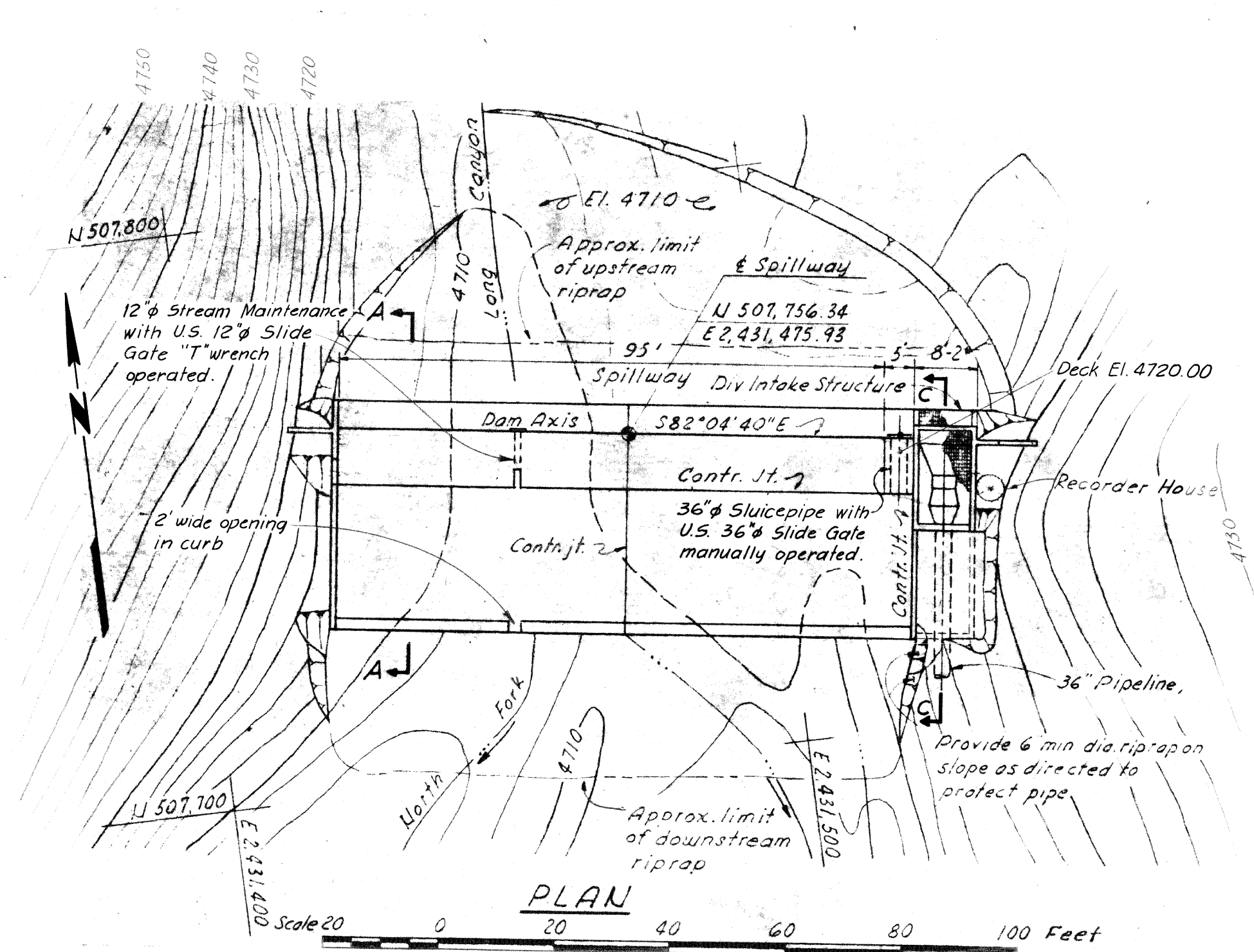
EXHIBIT L  
SHEET 18  
1"=400'  
1"=2000'  
REV. JUL 15, 1967 - AS EJLT  
REVISED AUG. 1962

PROJECT NO. 2075 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
HELL HOLE - MIDDLE FORK TUNNEL  
PLAN AND PROFILE  
SCALE AS SHOWN  
PLUMBLER COUNTY WATER AGENCY  
ALBUQUERQUE CALIFORNIA



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San Francisco



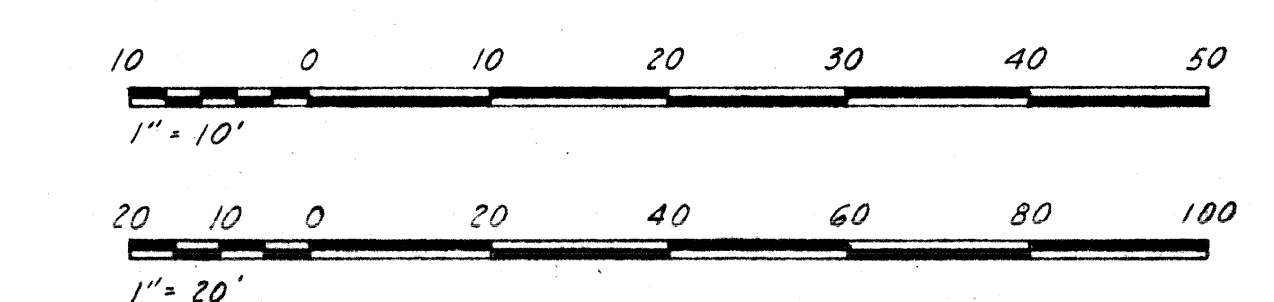
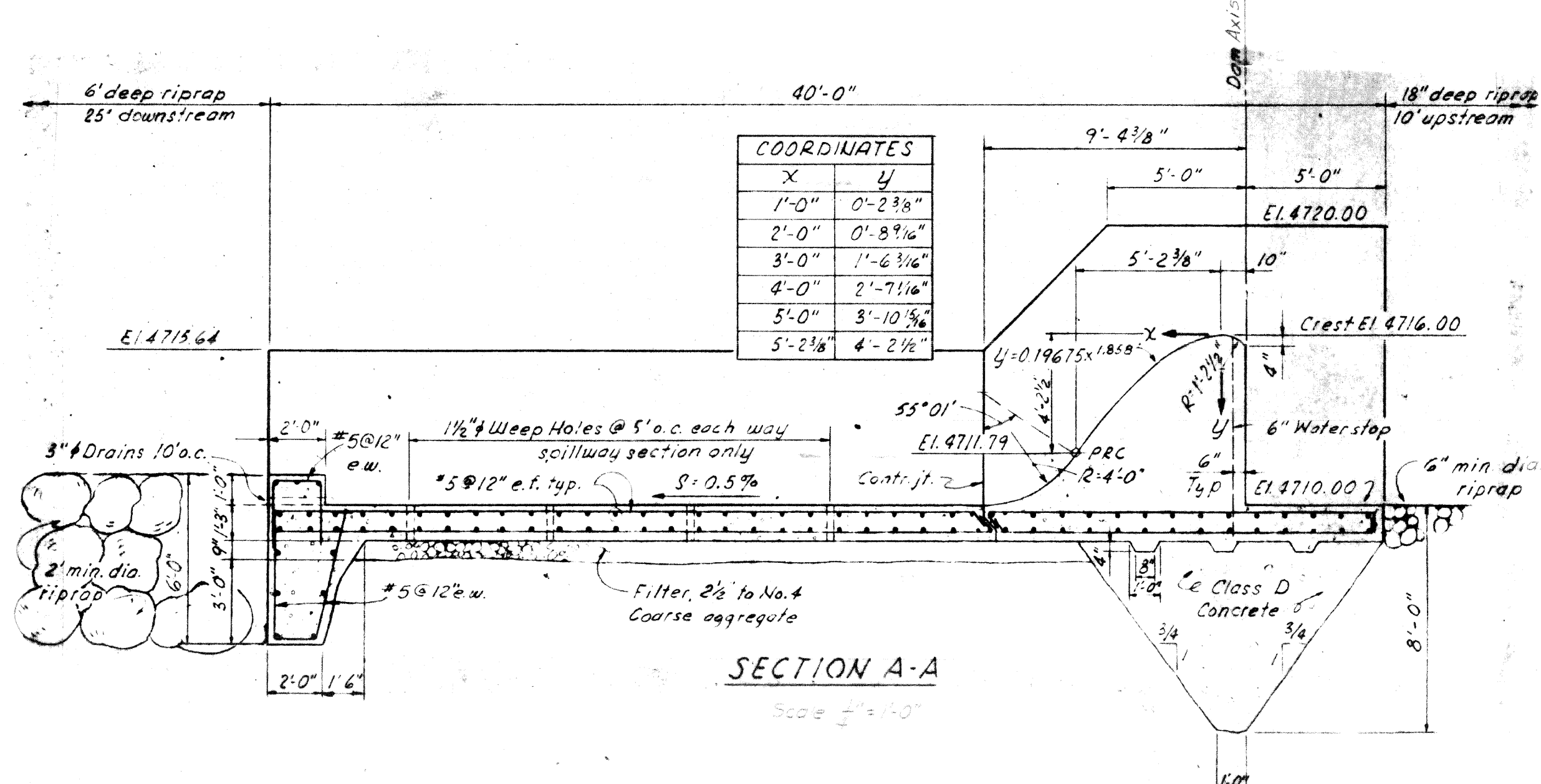


- Notes:
1. All borings are NX core drill holes
  2. Locations and elevations shown are approximate
  3. Core recovery was less than 5%
  4. Holes not water pressure tested

LOG OF BORINGS  
Scale: Vertical 1"=10'

RECEIVED  
JUL 1 1968  
FEDERAL POWER  
COMMISSION

EXHIBIT L  
SHEET 21

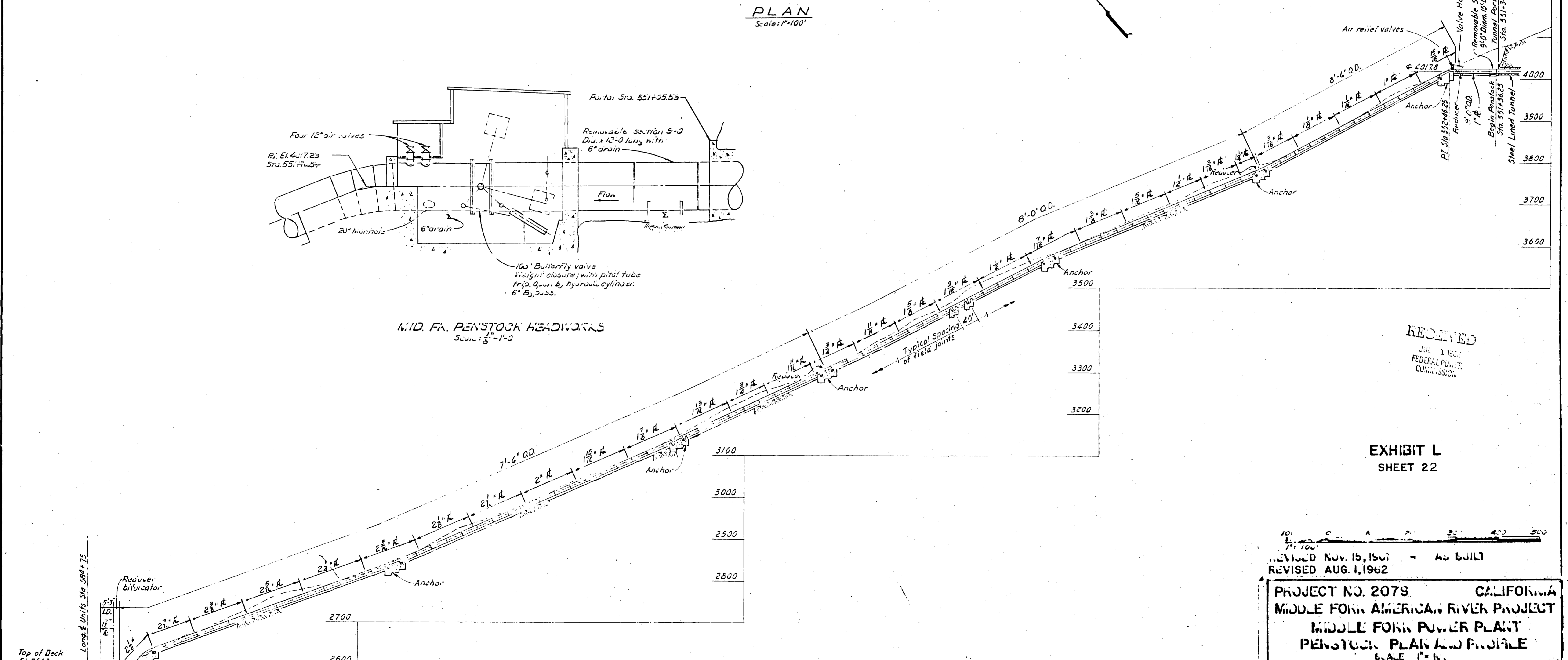
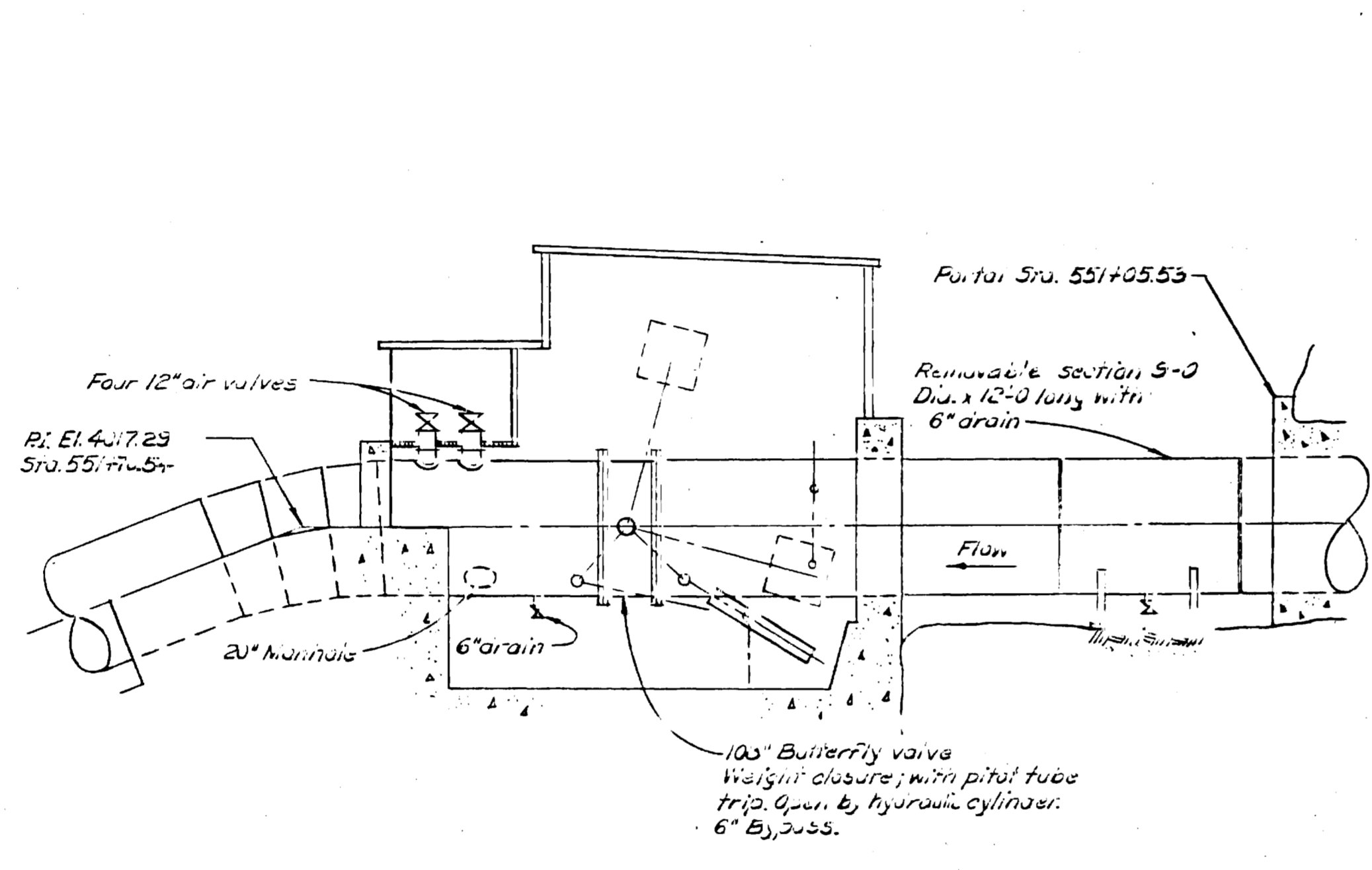
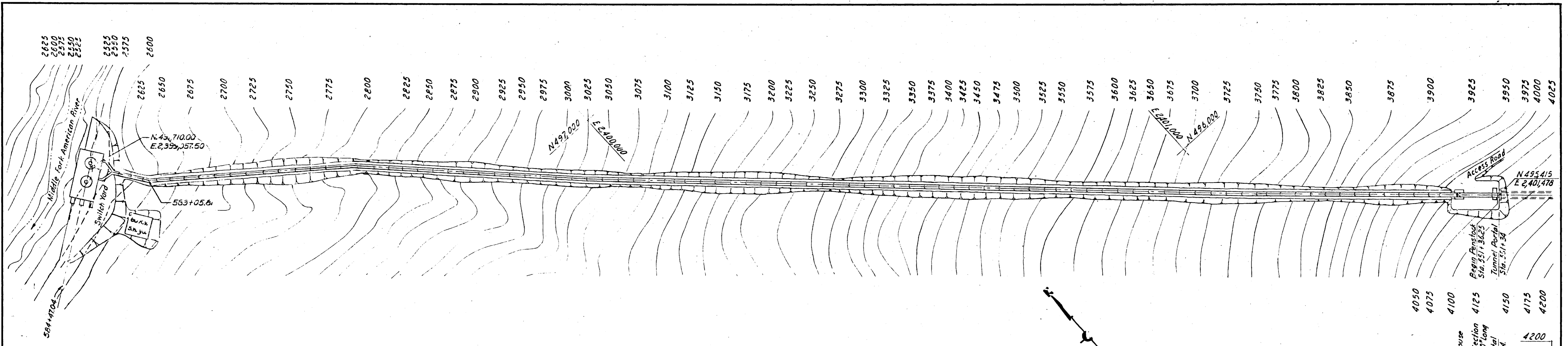


REVISED NOV. 15, 1967 - AS BUILT  
REVISED AUG. 1, 1962

PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
LONG CANYON DIVERSION  
NORTH FORK DAM AND SHAFT  
SCALE AS SHOWN  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

This drawing is a part of the application for license made by the undersigned this 9 day of January 1968  
Placer County Water Agency  
By: Frank J. Pauli  
Chairman, Board of Directors

MCCREARY KORETSKY ENGINEERS  
San Francisco



RECEIVED  
 JUL 1 1962  
 FEDERAL POWER  
 COMMISSION

EXHIBIT L  
 SHEET 22

REVISIONS:  
 REVISED Nov. 15, 1961 AS BUILT  
 REVISED AUG. 1, 1962

PROJECT NO. 2079 CALIFORNIA  
 MIDDLE FORK AMERICAN RIVER PROJECT  
 MIDDLE FORK POWER PLANT  
 PENSTOCK PLAN AND PROFILE  
 SCALE 1"=100'  
 PLACER COUNTY WATER AGENCY  
 SACRAMENTO CALIFORNIA

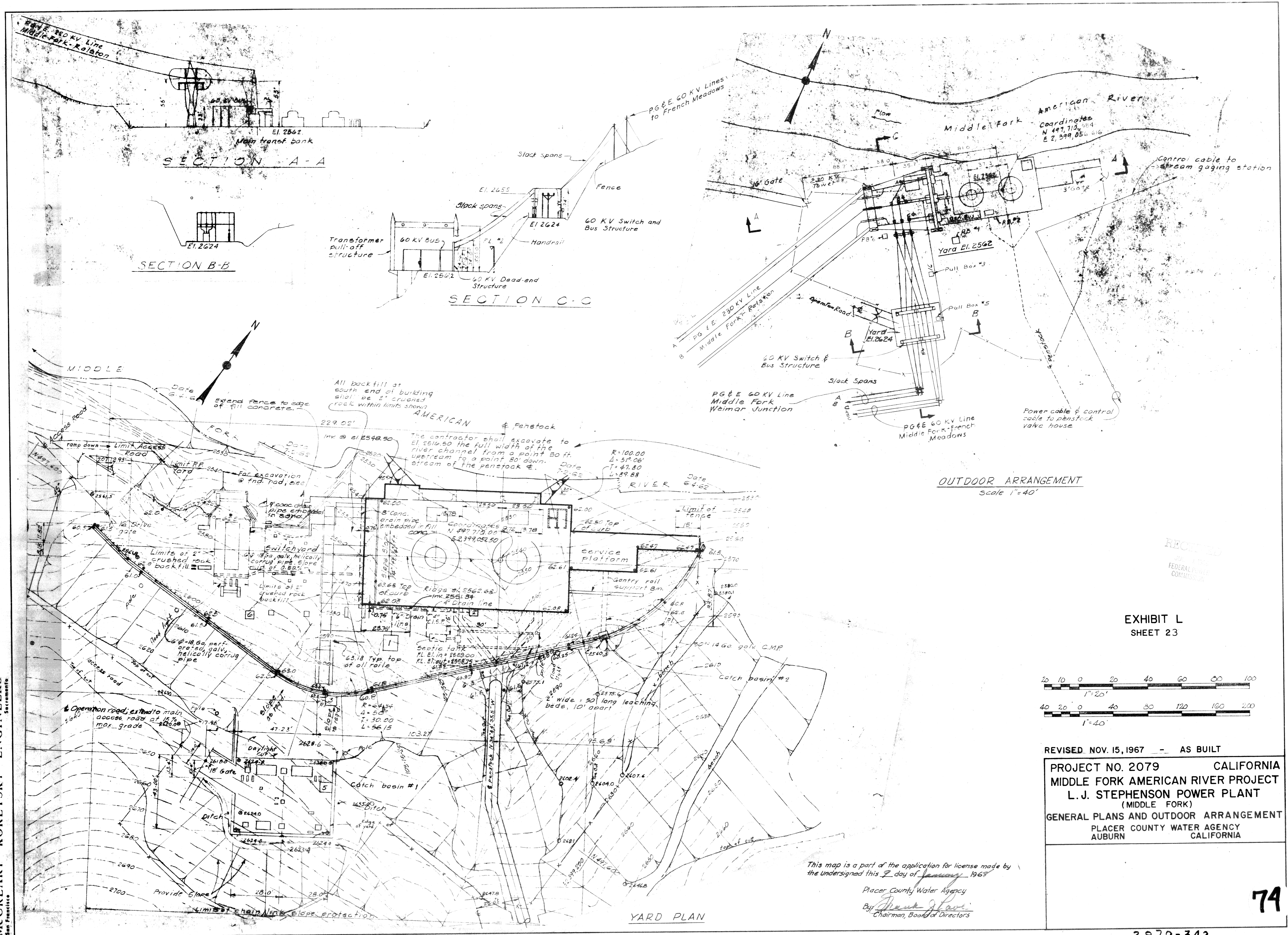
This drawing is a part of the application for license made  
 by the undersigned this 5 day of January 1962.

Placer County Water Agency  
 By: *Walter O. Thomas*  
 Chairman, Board of Directors

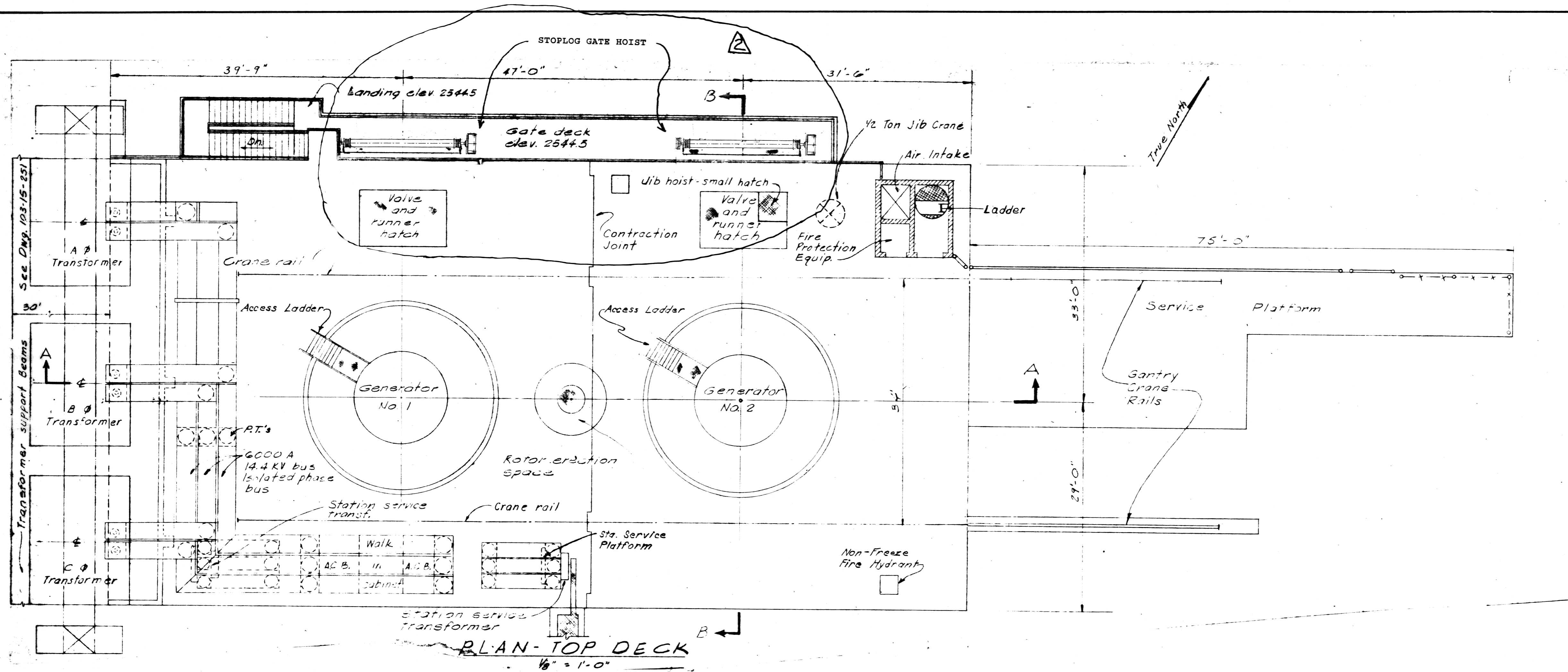
73

SCHEPPEY · YOFETS · ENGINEERS  
 Sacramento

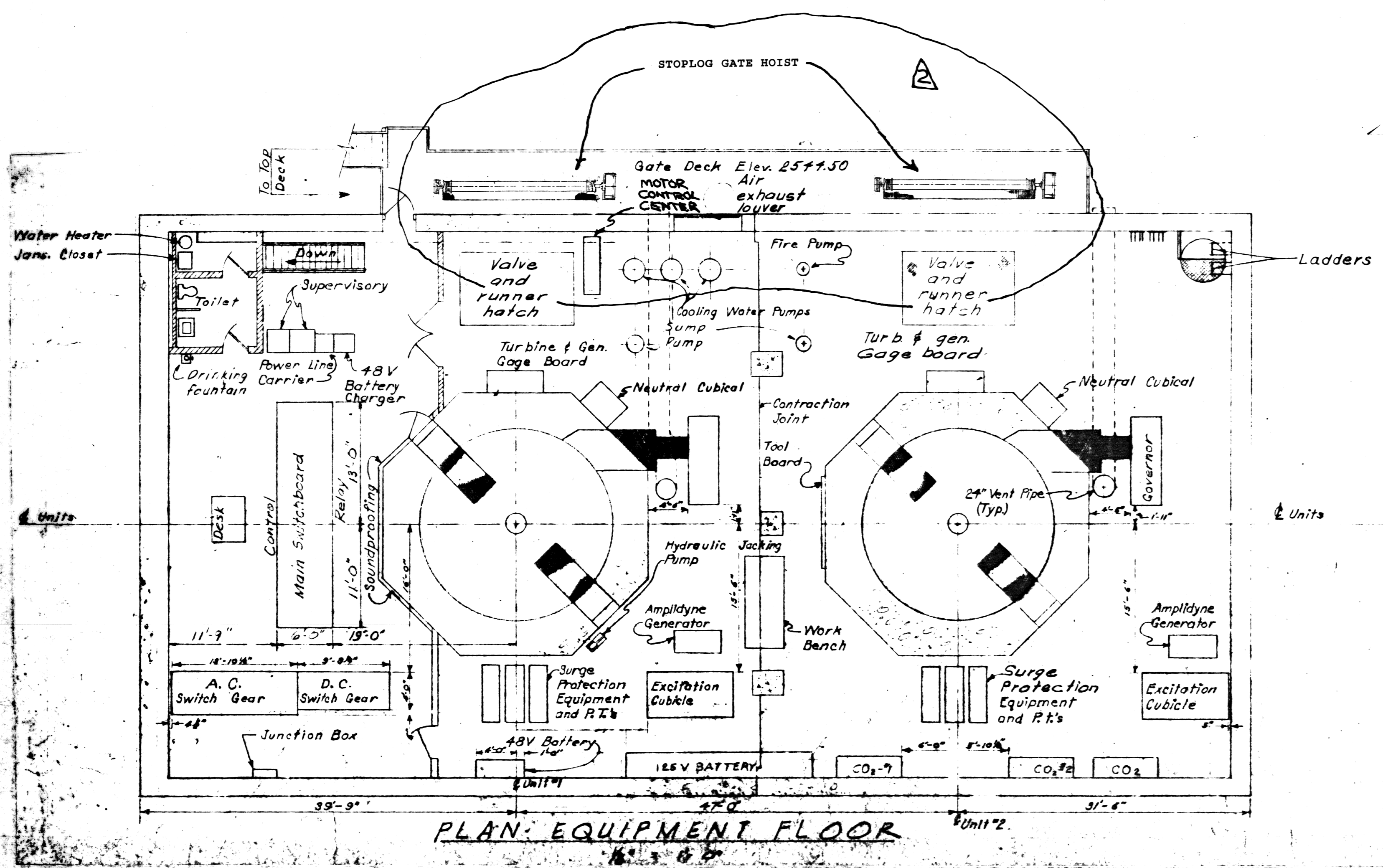
# Contains Critical Energy Infrastructure Information (CEII) - Do Not Distribute



**MCCREARY · KORETSKY · ENGINEERS**  
 Sacramento  
 San Francisco



PLAN - TOP DECK  
1/8" = 1'-0"

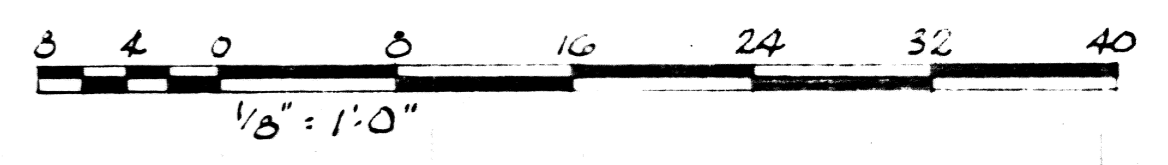


PLAN - EQUIPMENT FLOOR  
1/8" = 1'-0"

RECEIVED  
JUL 1 1968  
FEDERAL POWER  
COMMISSION

EXHIBIT L  
SHEET 24

FOR DETAILS OF ADDED GATE HOISTS, SEE MIDDLE FORK  
PROJECT DRAWINGS 103-15-202, 103-15-239, AND 103-15-240



REVISED MARCH 31, 2003 - ADDED STOPLOG GATE HOISTS  
REVISED NOV. 15, 1967 - AS BUILT

PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
L. J. STEPHENSON POWER PLANT  
(MIDDLE FORK)  
FLOOR PLANS  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

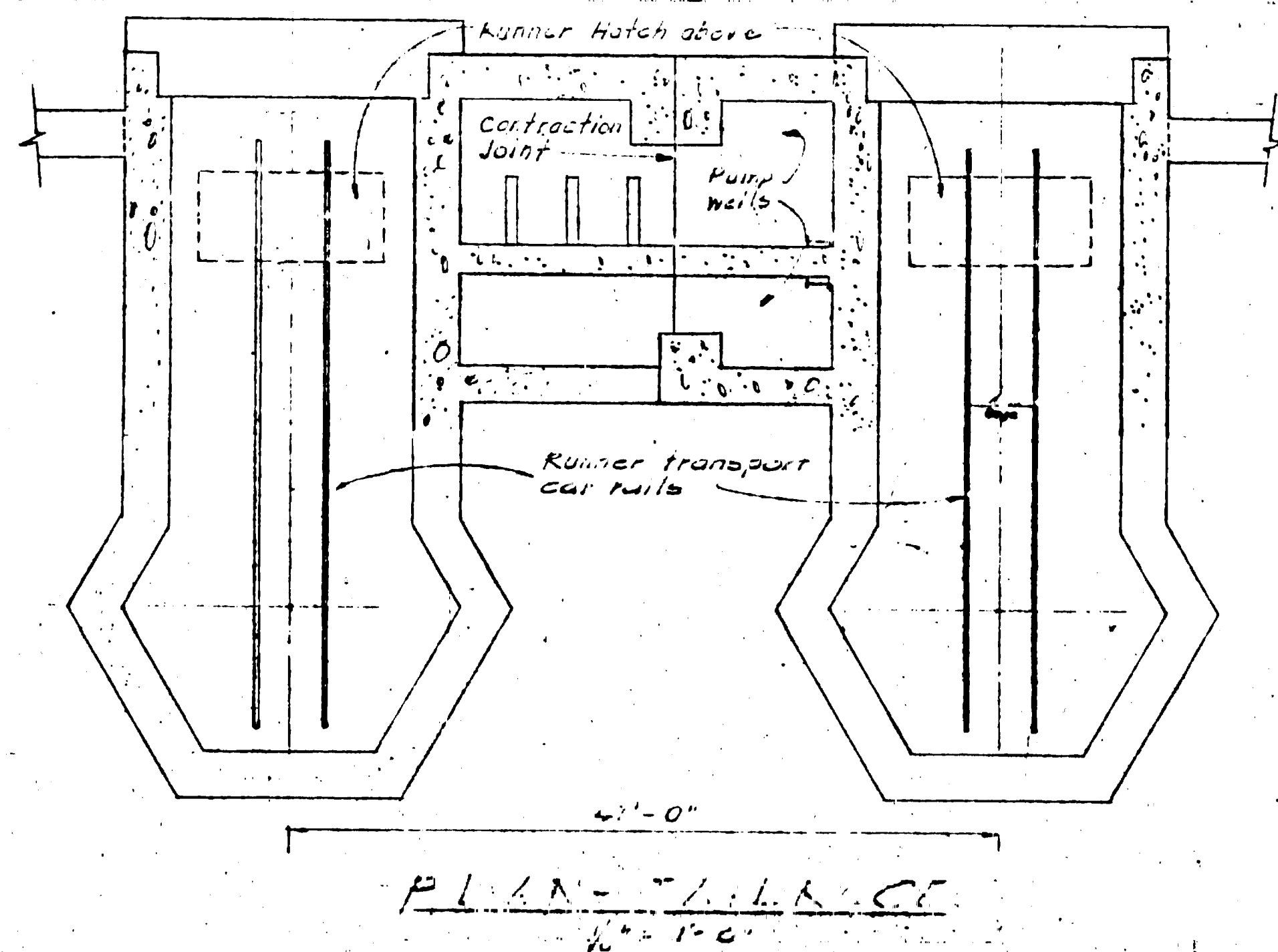
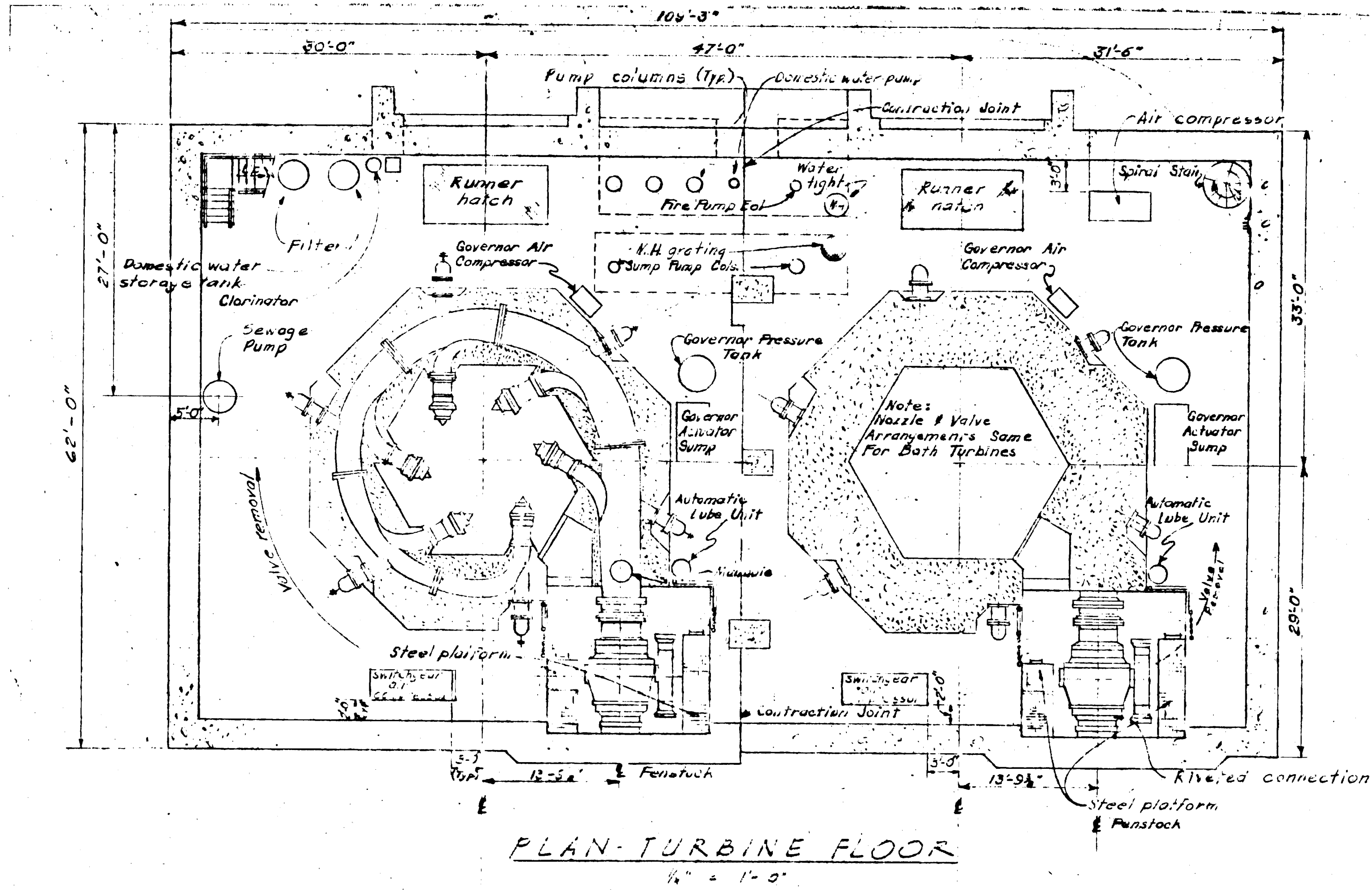
THIS DRAWING SUPERCEDES FERC DRAWING  
#2079-343 ON AUGUST 23, 2004.

This drawing is a part of the application for license made  
by the undersigned this 7 day of January 1968  
Placer County Water Agency  
By: *Frank Hove*  
Chairman, Board of Directors

#2079-389

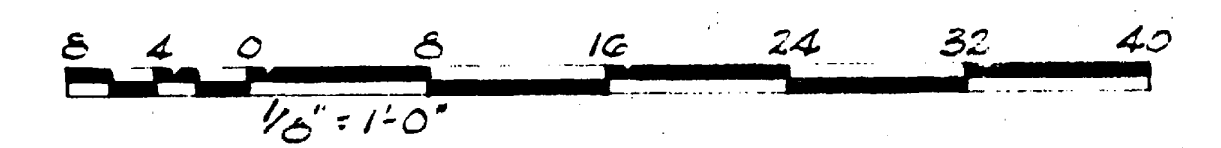
75

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San Francisco Sacramento



RECEIVED  
JUL 1 1968  
FEDERAL POWER  
COMMISSION

EXHIBIT L  
SHEET 25.



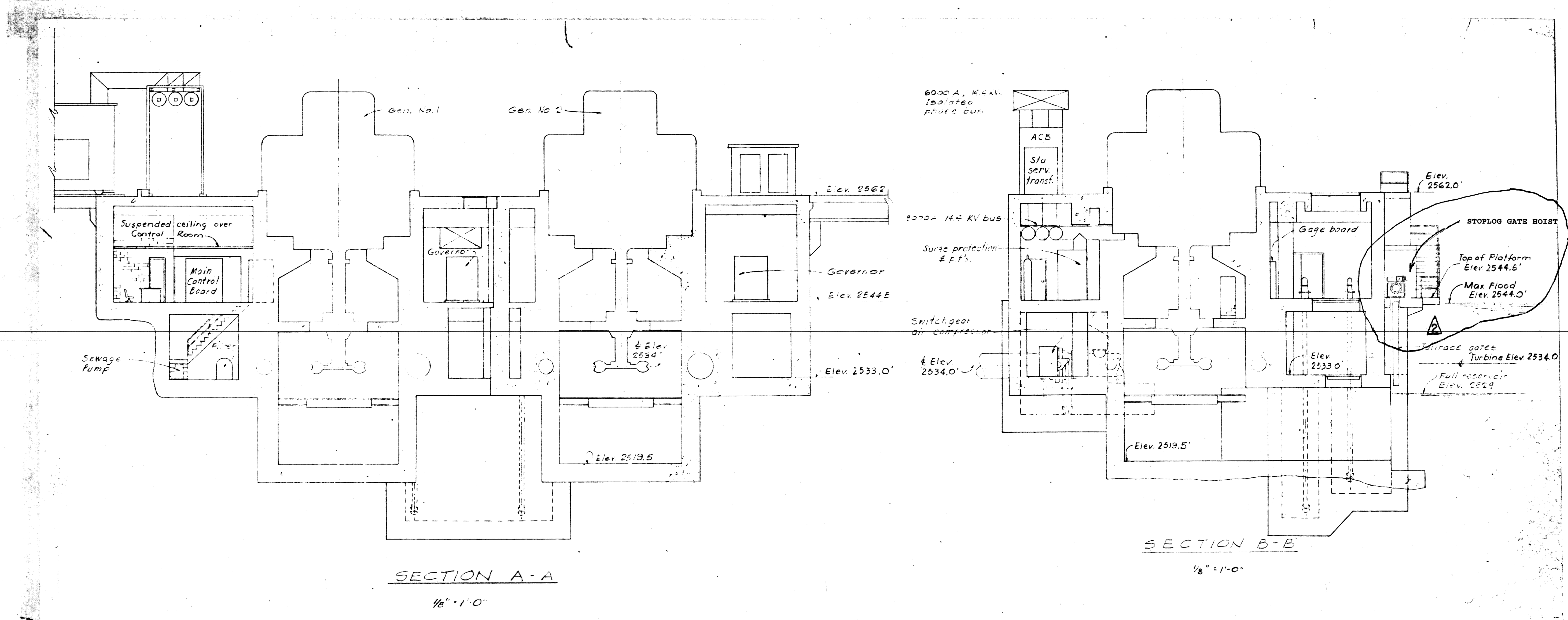
REVISED NOV. 15, 1967 - AS BUILT

PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
L. J. STEPHENSON POWER PLANT  
(MIDDLE FORK)  
FLOOR PLANS  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

This drawing is a part of the application for license made  
by the undersigned this 2 day of January 1968  
Placer County Water Agency  
By: *Frank J. Papp*  
Chairman, Board of Directors

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2079-344



SECTION A-A  
1/8" = 1'-0"

SECTION B-B  
1/8" = 1'-0"

FOR DETAILS OF ADDED GATE HOISTS, SEE MIDDLE FORK  
PROJECT DRAWINGS 103-15-202, 103-15-239, AND 103-15-240

FEDERAL POWER  
COMMISSION

EXHIBIT L  
SHEET 26



REVISED MARCH 31, 2003 - ADDED STOPLOG GATE HOISTS  
REVISED NOV. 15, 1967 AS BUILT

PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
L. J. STEPHENSON POWER PLANT  
(MIDDLE FORK)  
POWERHOUSE SECTIONS  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

THIS DRAWING SUPERCEDED FERC DRAWING  
#2079-345 ON AUGUST 23, 2004.

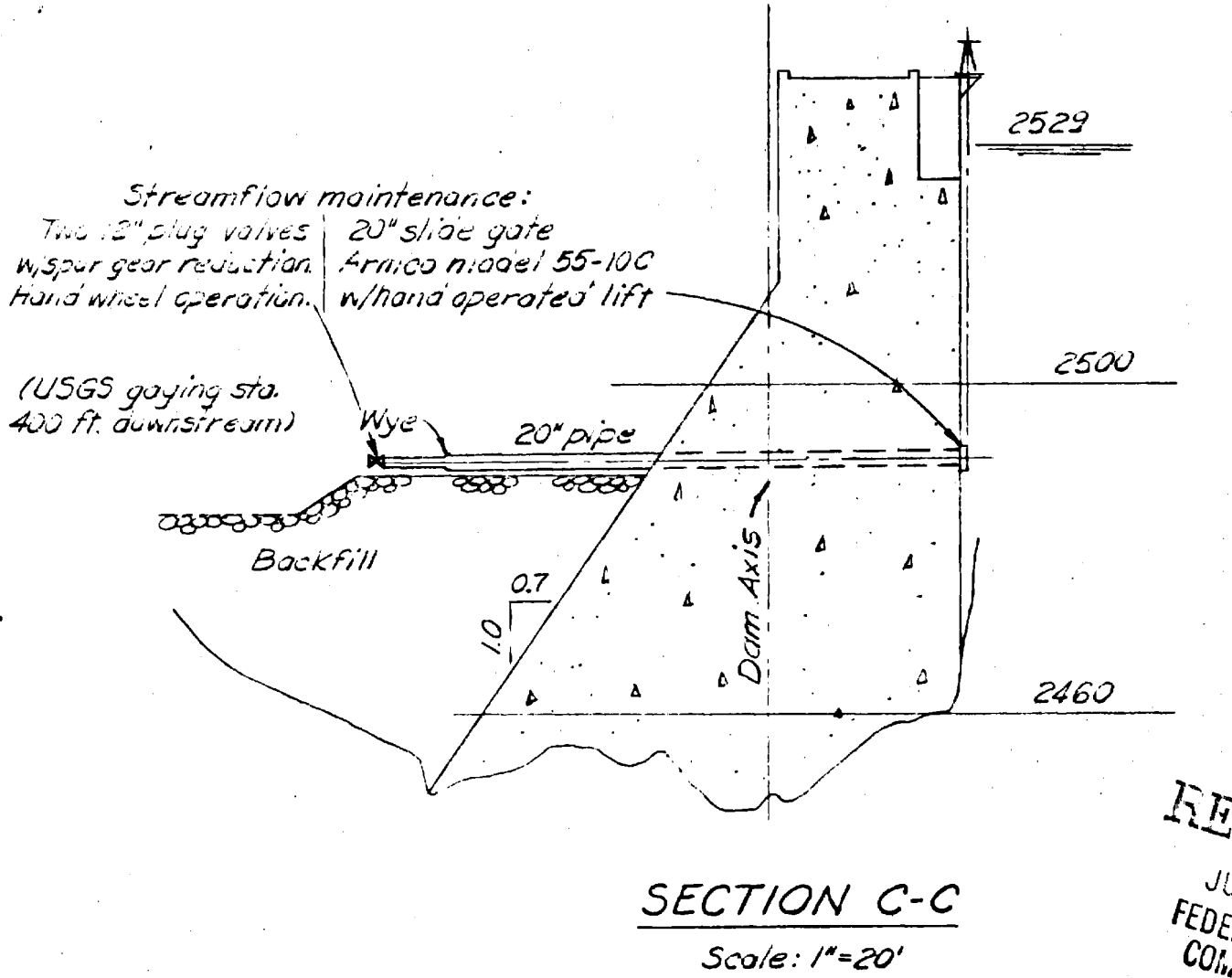
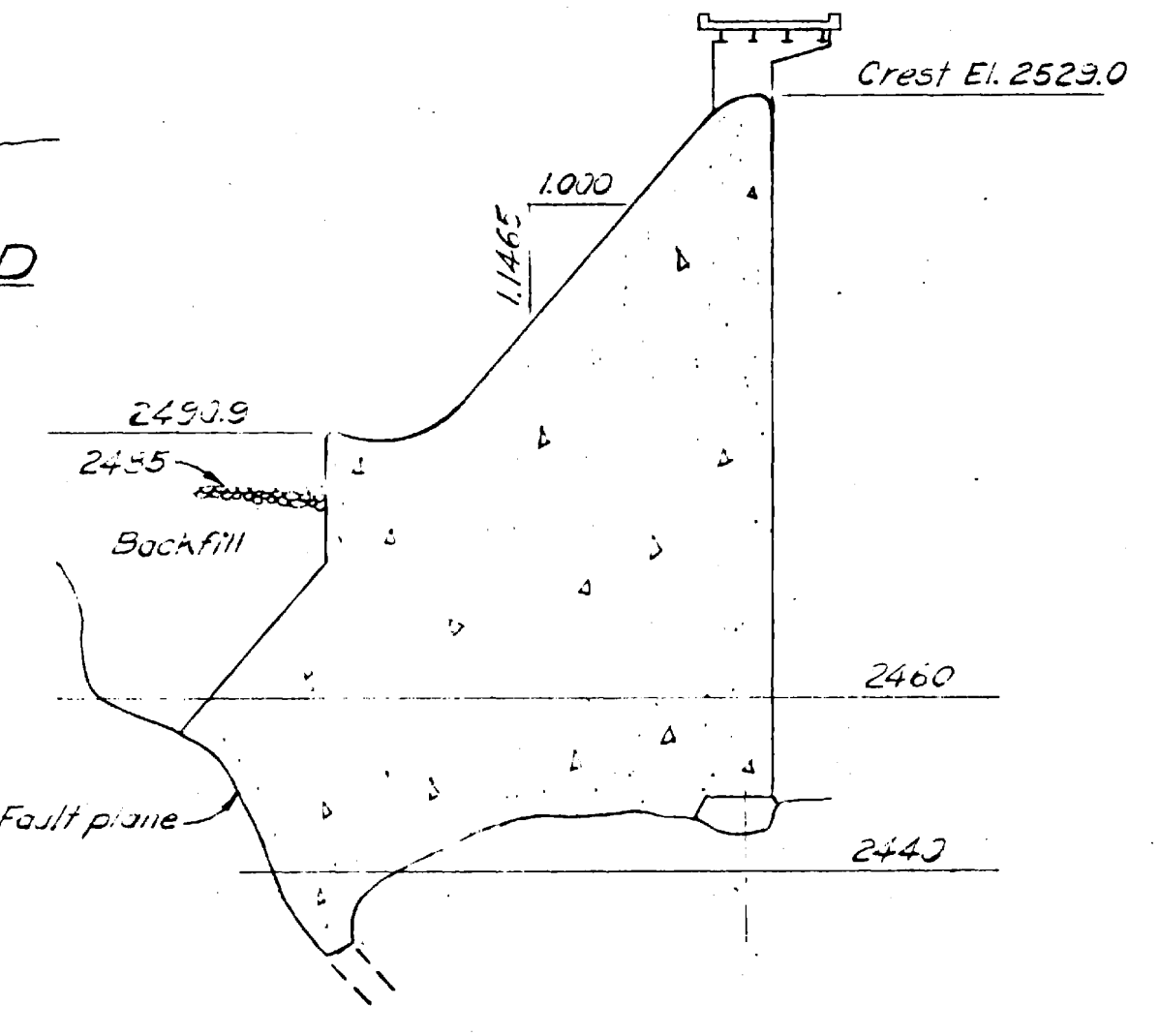
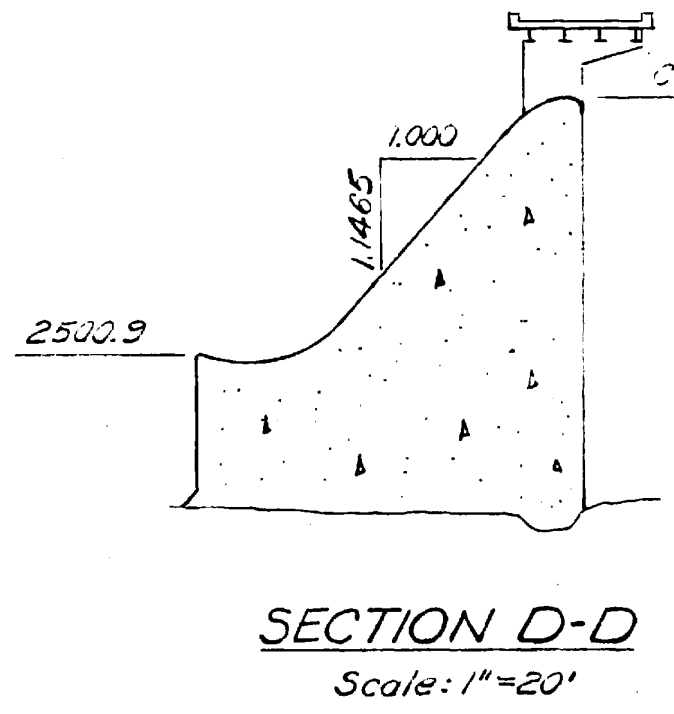
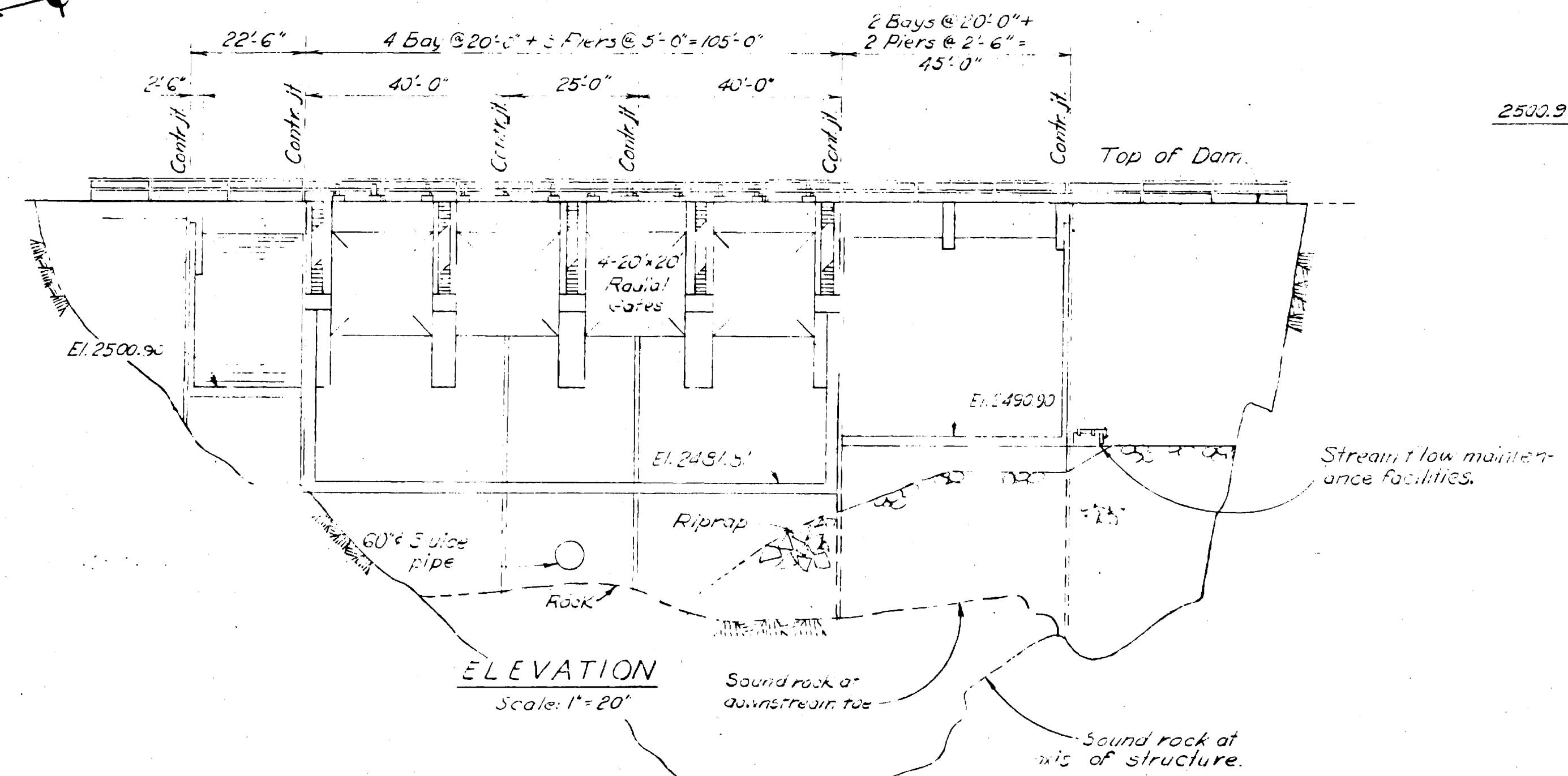
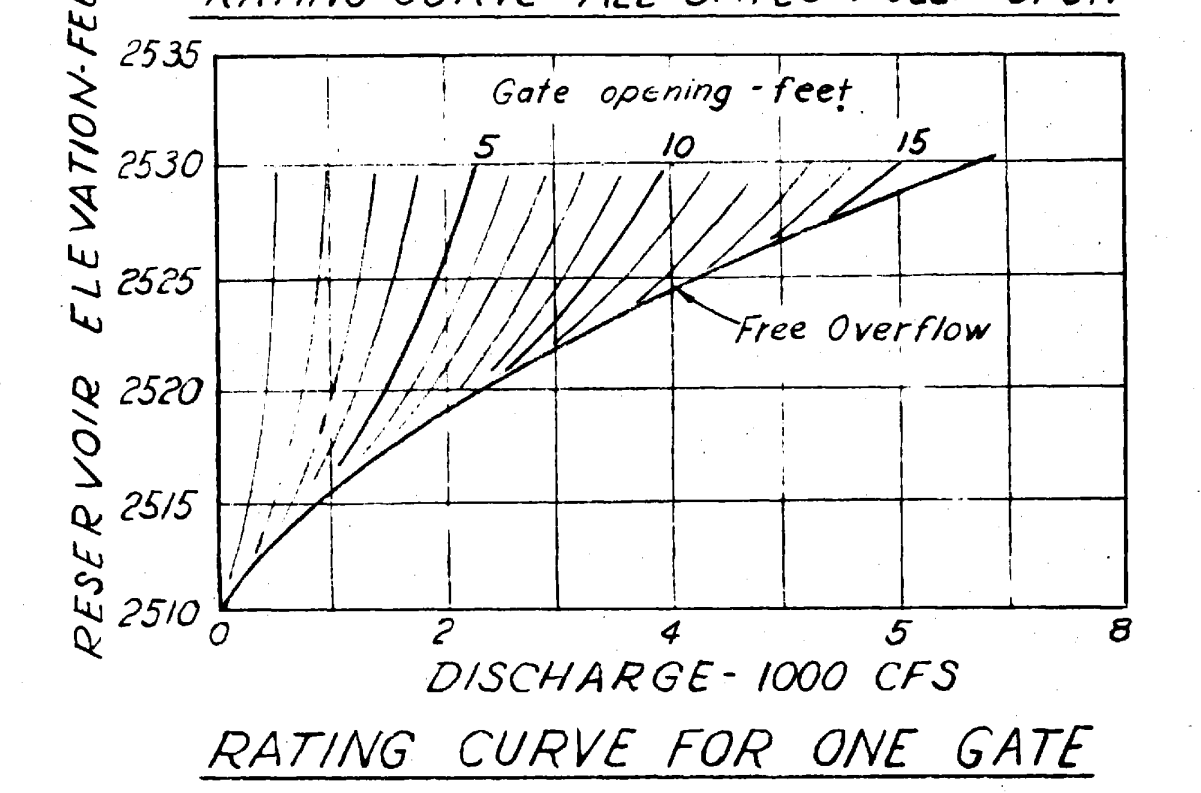
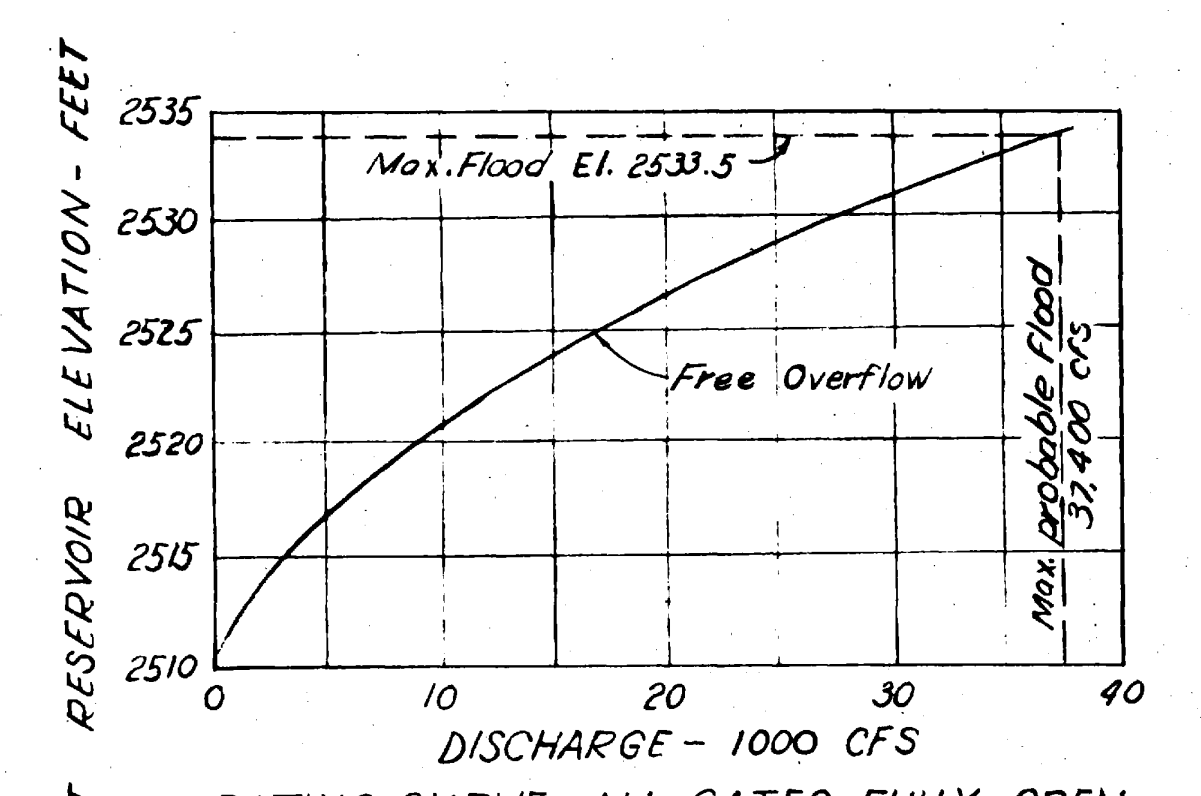
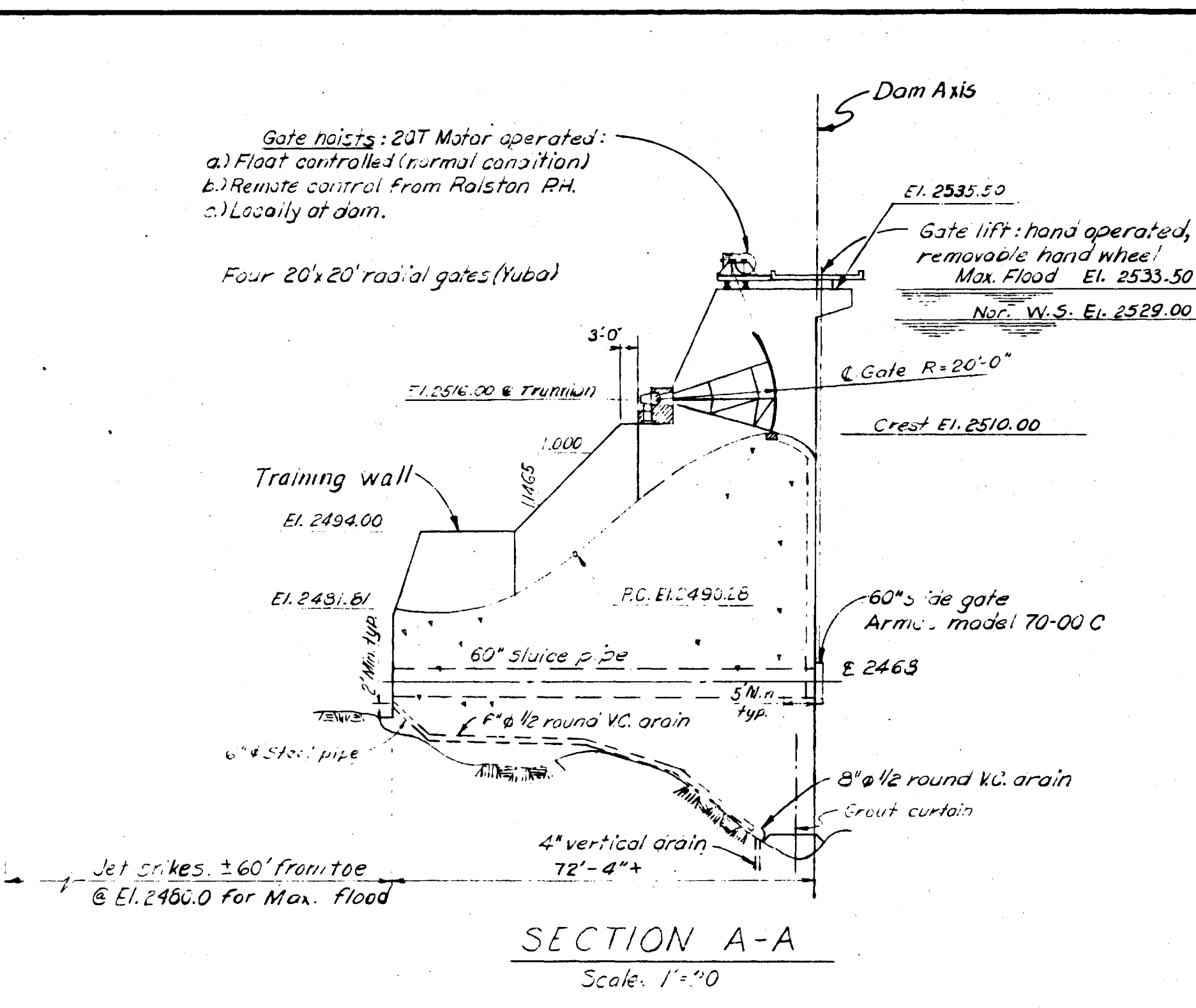
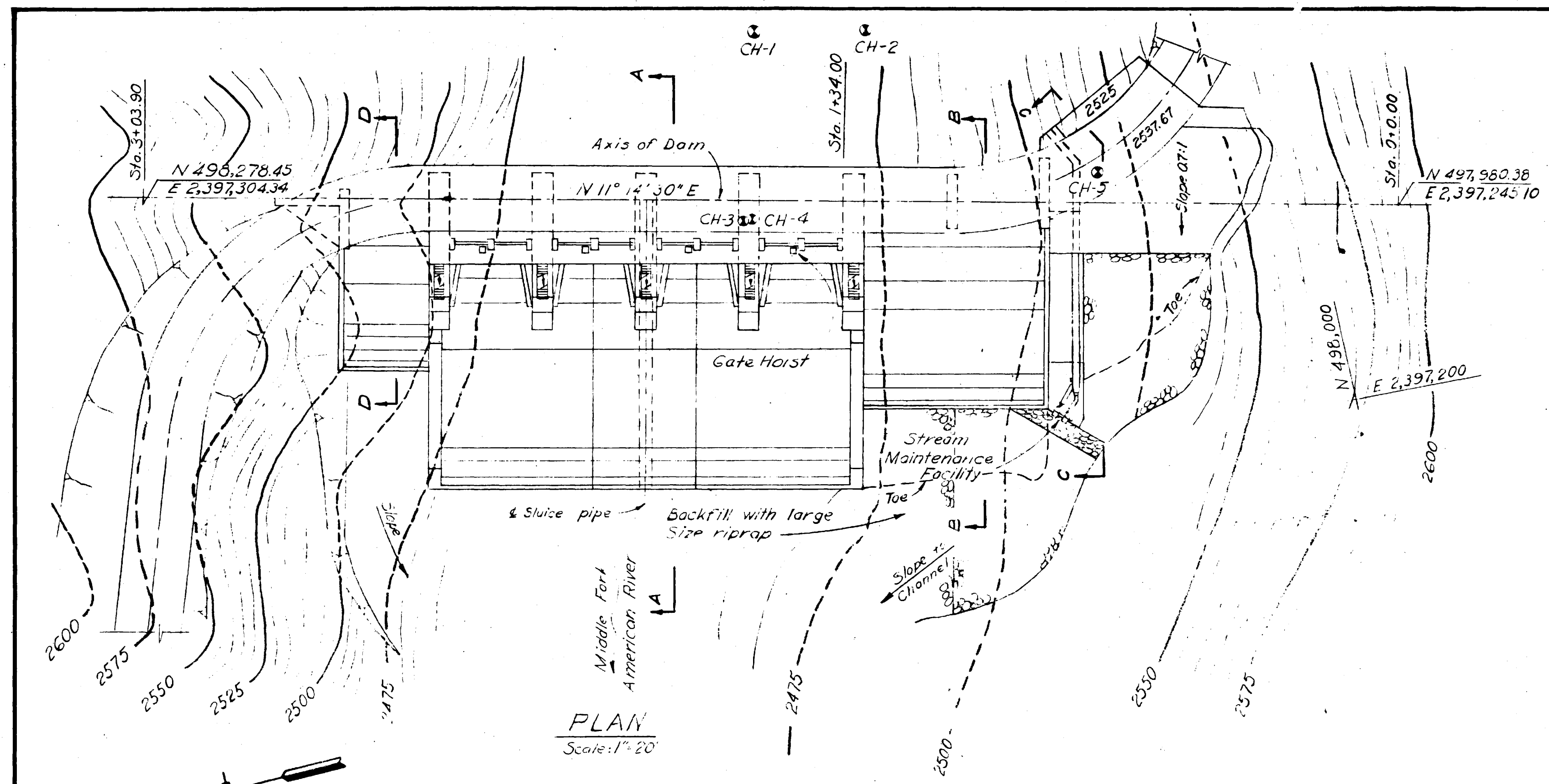
This drawing is a part of the application for license made  
by the undersigned this 7 day of January 1967  
Placer County Water Agency  
By *Dean J. Lane*  
Chairman, Board of Directors

#2079-390

77

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San Francisco Sacramento

Contains Critical Energy Infrastructure Information (CEII) - Do Not Distribute



CH-1	CH-2	CH-3	CH-4	CH-5
El. 2470 N 25° W, 50° Down	El. 2475 Vertical	El. 2470 N 25° W, 50° Down	El. 2470 Vertical	El. 2473 S 39° W, 47° Down
0.0 Stream deposits, sand gravel with boulders and cobbles.	0.0 Stream deposits, sand gravel with boulders and cobbles.	0.0 Stream deposits, sand gravel with boulders.	0.0 Stream deposits, sand gravel with boulders.	0.0 Overburned, sandy silt with schist and quartzite fragment.
No Test	No Test	No Test	No Test	0.8 Schist and quartzite, broken to massive with thin interbeds or broken schist.
52.2	17.5 Quartzite, hard, slightly weathered, closely fractured to massive	11.5 Quartzite, slightly weathered, closely fractured to occasional fractures.	10.0 Schist and quartzite, moderately broken.	13.7
40.3	No Test	17.0 Schist and quartzite weathered, broken.	22.4 Highly weathered from 21.4.	15.0
36.5	No Test	37.0 Quartzite and schist, hard broken to massive, fresh.		35.2
60.28	31.0 No Test			
71.1				
Pressure, p.s.i.				
Water take, g.p.m.				
Core Recovery				

NOTES  
 1. All borings are NX core drill holes.  
 2. Locations and elevations shown are approximate.

RECEIVED  
 JUL 1 1968  
 FEDERAL POWER  
 COMMISSION

EXHIBIT L  
 SHEET 29

REVISED NOV. 15, 1967 - AS BUILT  
 1" = 20'  
 REVISED JUNE 23, 1965

PROJECT NO. 2079 CALIFORNIA  
 MIDDLE FORK AMERICAN RIVER PROJECT  
 MIDDLE FORK-RALSTON INTERBAY DAM  
 PLAN AND SECTIONS  
 SCALE 1"=20'  
 PLACER COUNTY WATER AGENCY  
 AUUNN CALIFORNIA

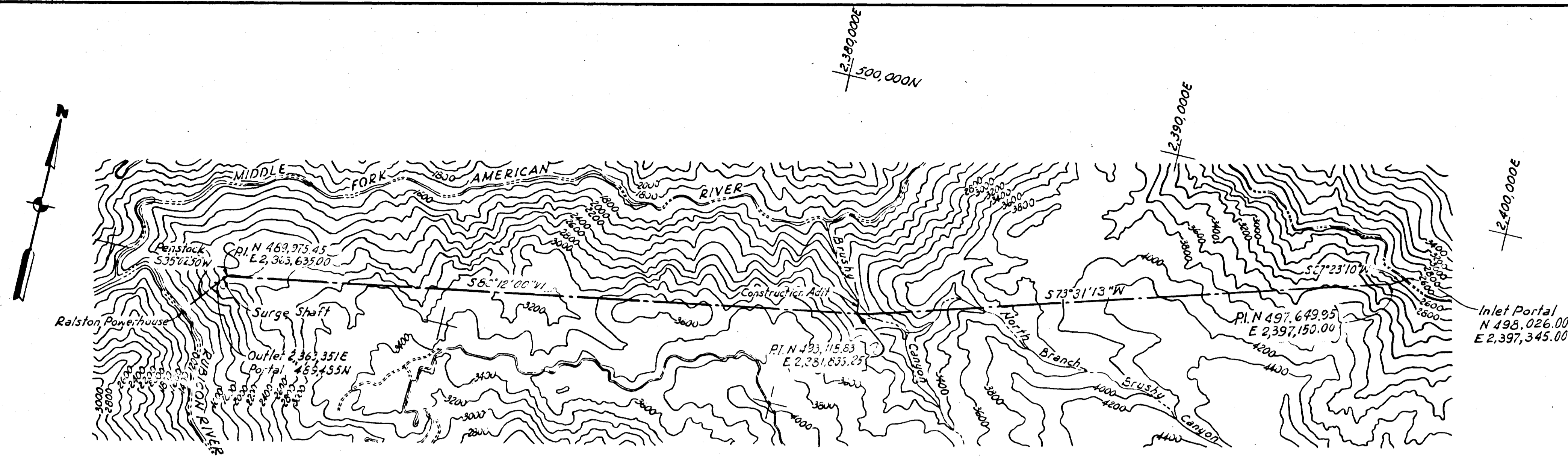
This drawing is a part of the application for license made  
 by the undersigned this 2 day of January 1968.  
 Placer County Water Agency  
 By: *Frank J. Lodi*  
 Chairman, Board of Directors

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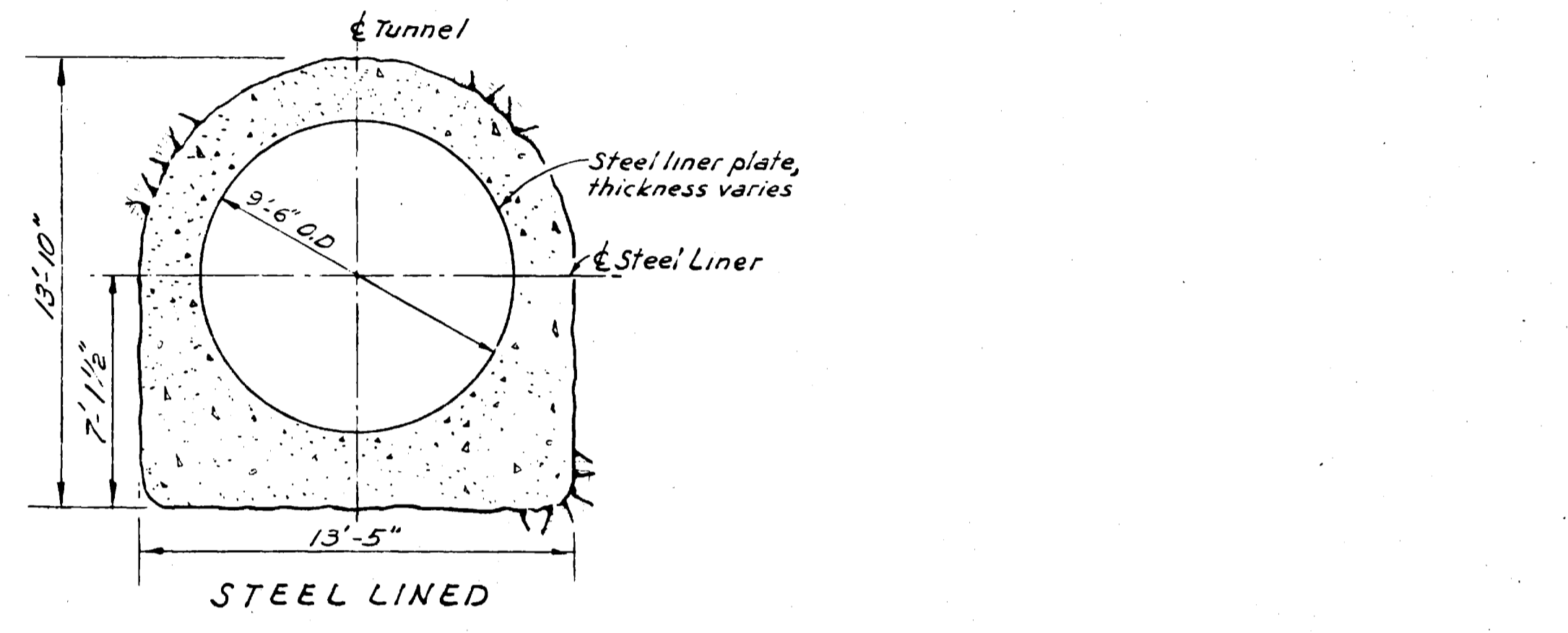
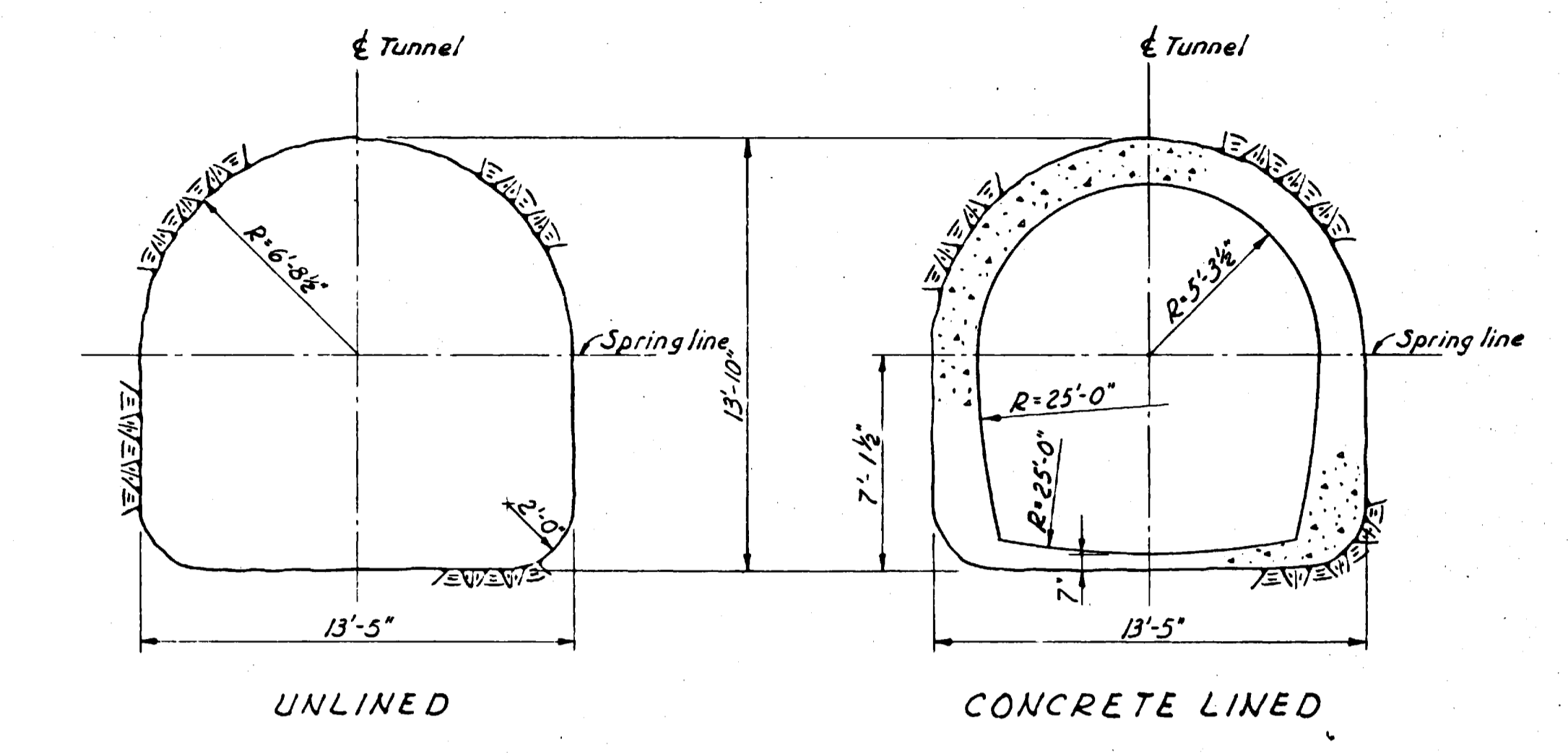
LOG OF BORINGS

50

2079-348

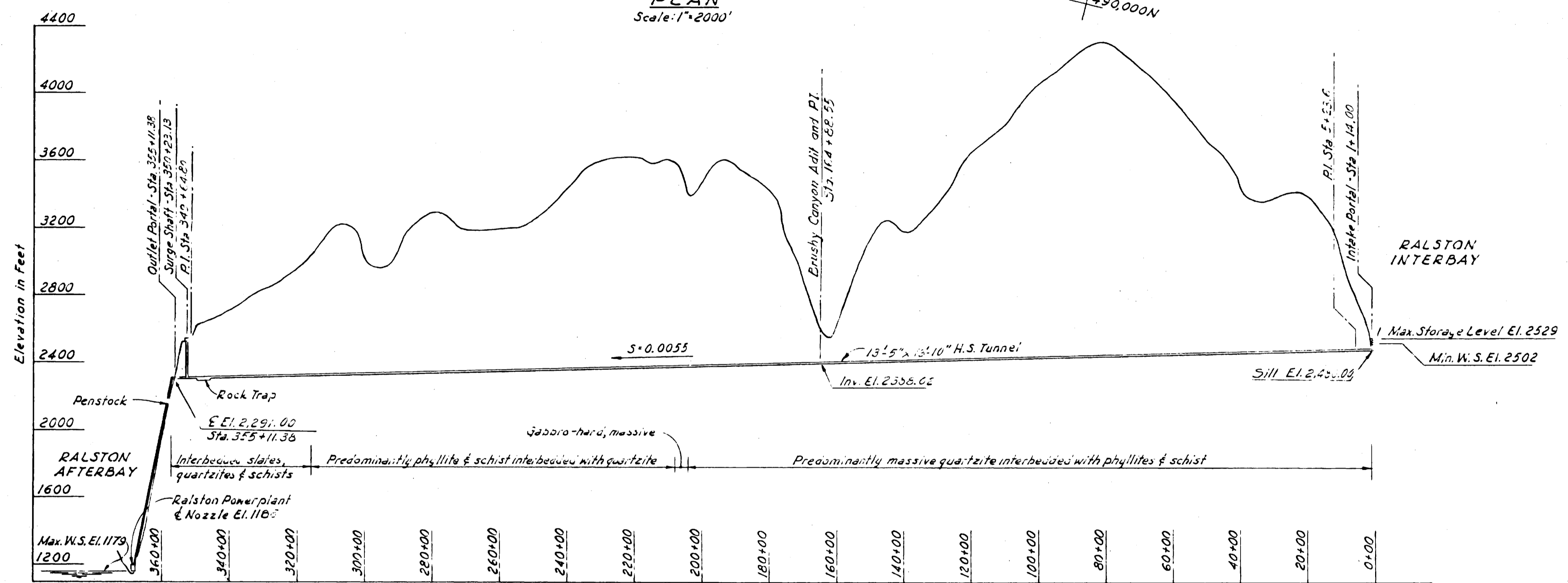


PLAN  
Scale: 1" = 2000'



TYPICAL TUNNEL SECTIONS  
No Scale

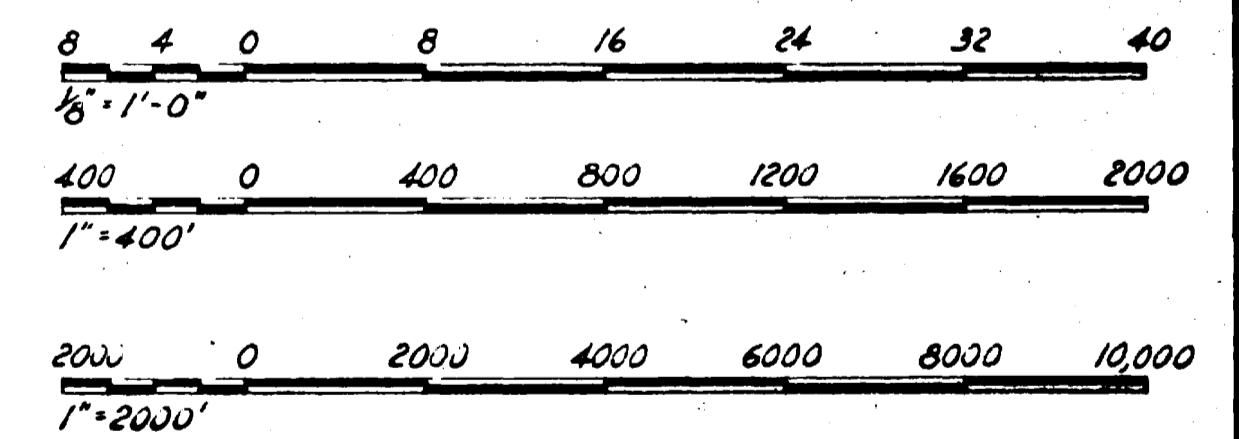
NOTE:  
Geological interpretation as shown is preliminary.



PROFILE  
Horizontal: 1" = 2000'  
Vertical: 1" = 400'

RECEIVED  
JUL 1 1966  
FEDERAL POWER  
COMMISSION

EXHIBIT L  
SHEET 30



REVISED NOV. 15, 1967 - AS BUILT  
REVISED AUG. 1, 1962

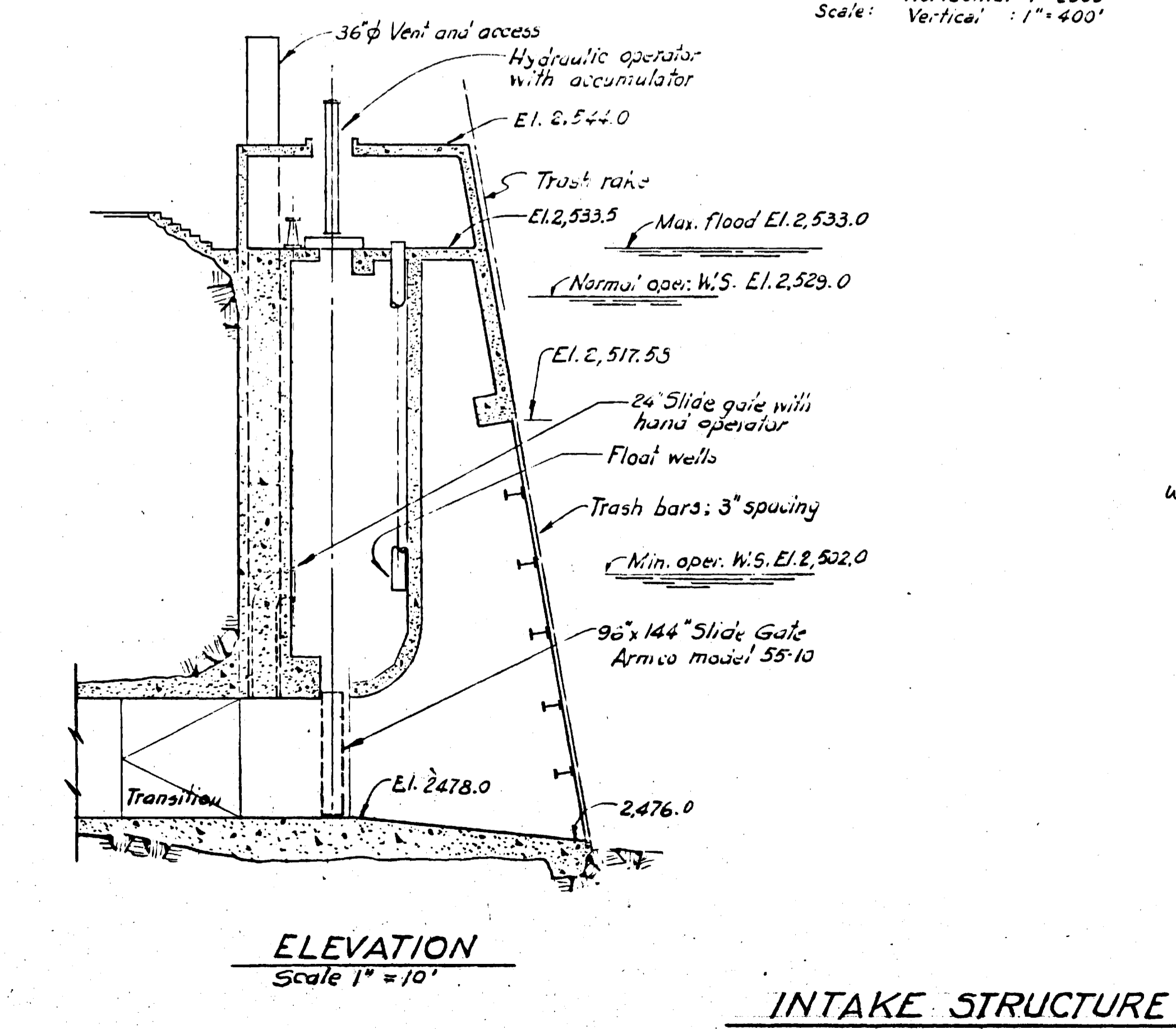
PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
MIDDLE FORK - RALSTON TUNNEL  
PLAN AND PROFILE  
SCALE AS SHOWN  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

This drawing is a part of the application for license made  
by the undersigned this 2 day of January 1962.

Placer County Water Agency  
By: *Frank J. Lasi*  
Chairman, Board of Directors

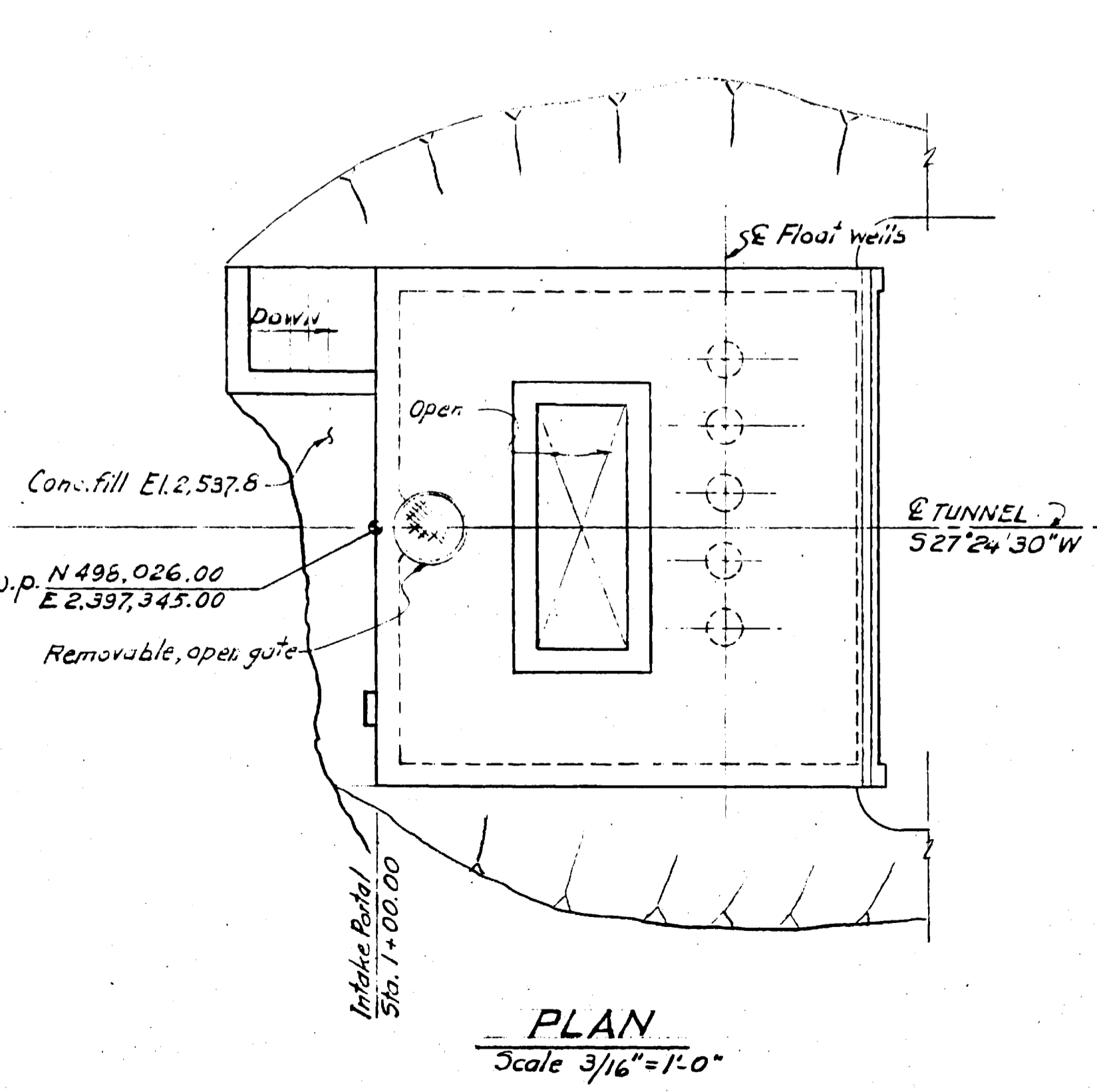
81

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SACRAMENTO

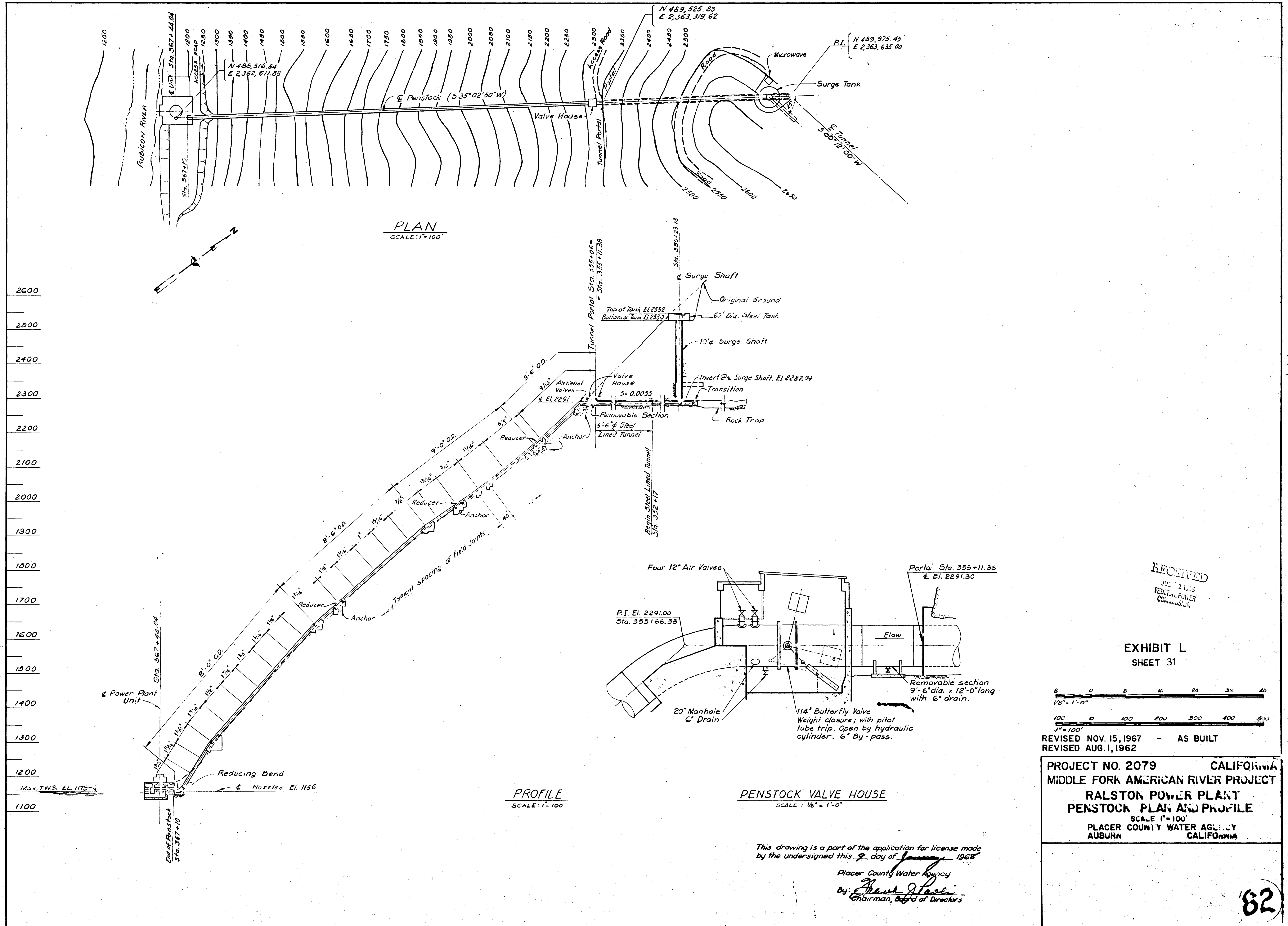


ELEVATION  
Scale 1" = 10'

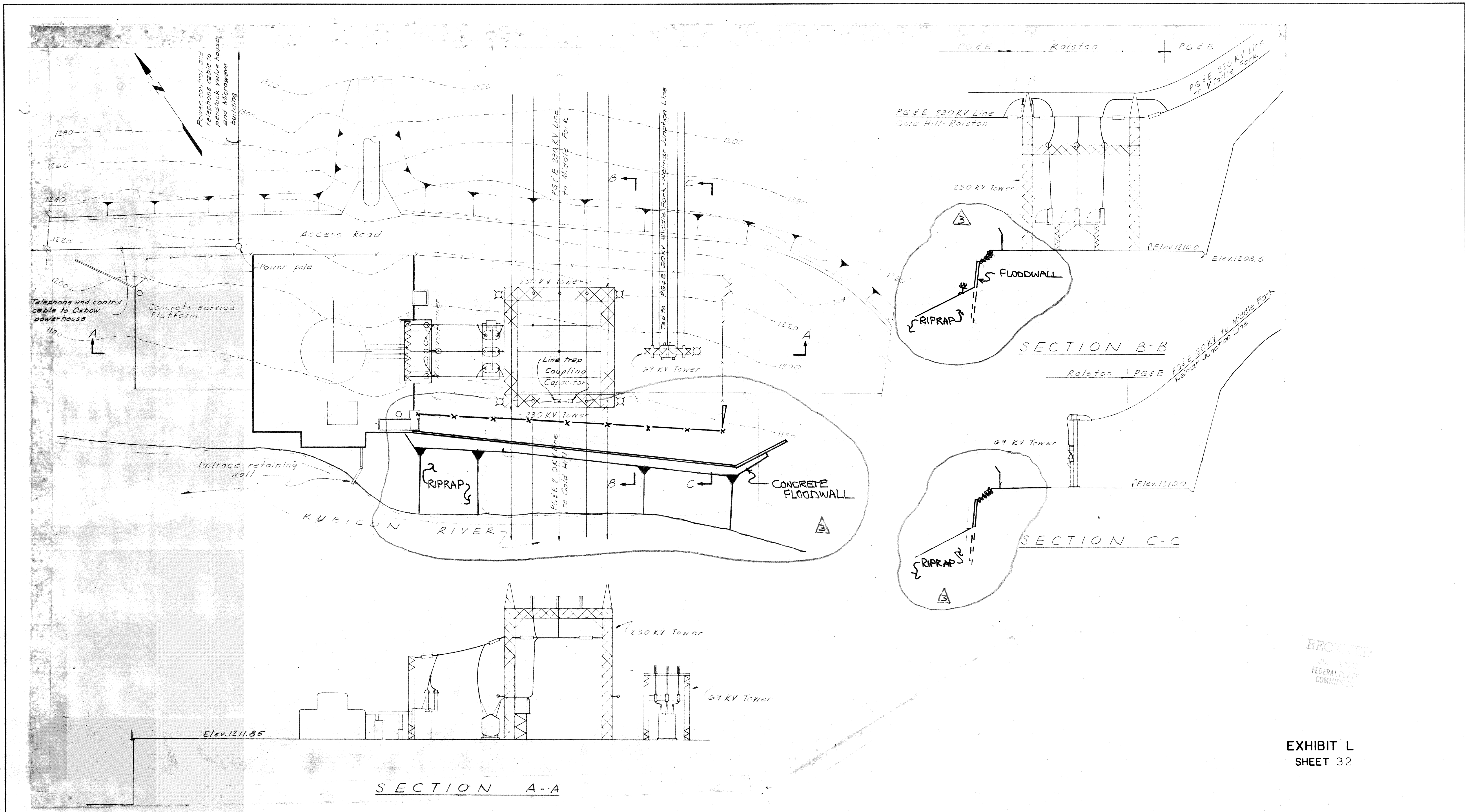
INTAKE STRUCTURE



PLAN  
Scale 3/16" = 1'-0"



T. C. CREARY · KORETSKY · ENGINEERS  
San Francisco



RECEIVED  
JUL 1 1968  
FEDERAL POWER  
COMMISSION

EXHIBIT L  
SHEET 32

20 40 60 80 100  
1" = 20'

REVISED NOV. 15, 1967 - AS BUILT  
REVISED AUG. 1, 1962

PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
RALSTON POWER PLANT  
GENERAL PLAN AND OUTDOOR ARRANGEMENT  
SCALE 1" = 20'  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

ADDED FLOODWALL 2002 5/7/03 JMS  
THIS DRAWING SUPERSEDES FERC DRAWING  
#2079-351 ON AUGUST 23, 2004.

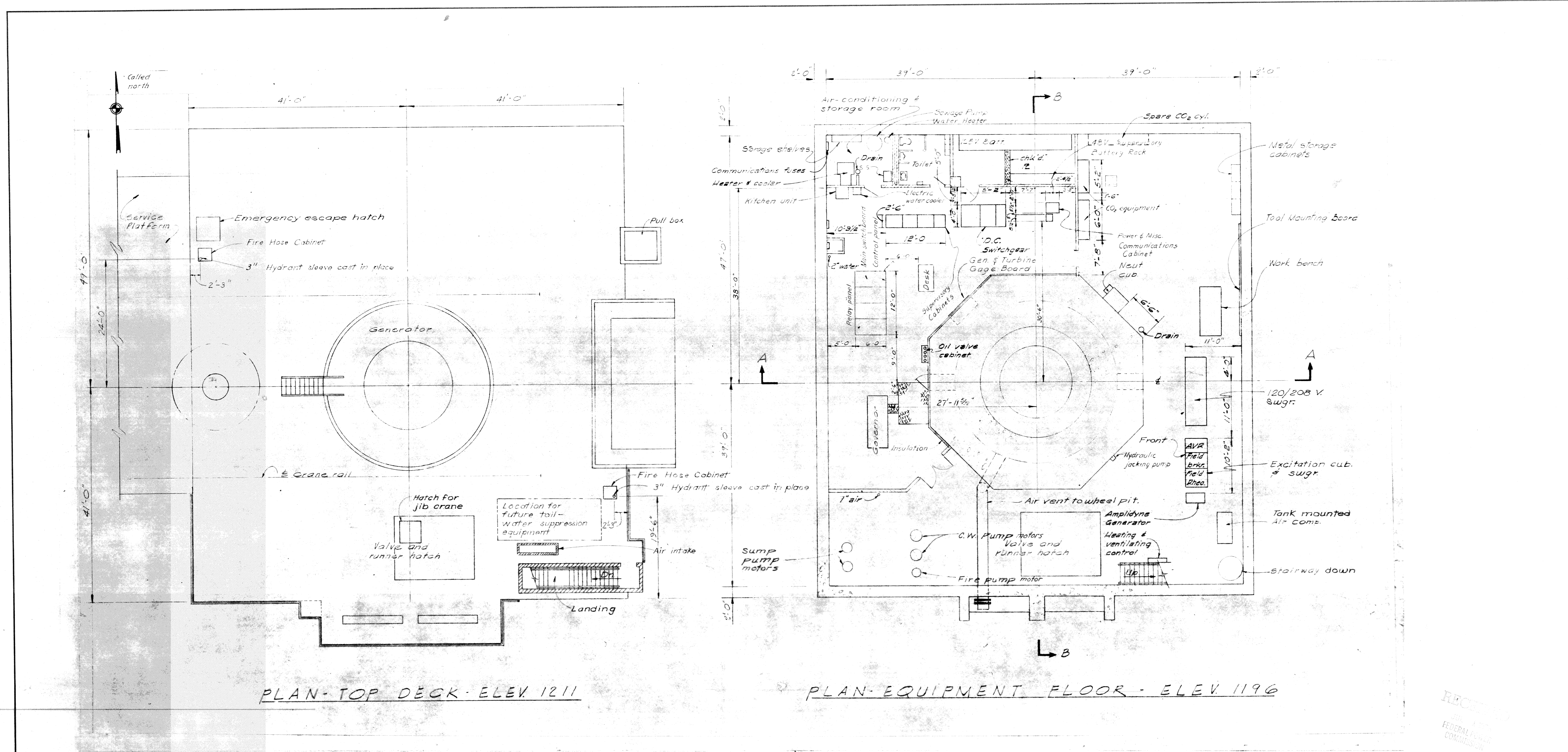
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by the undersigned this 9 day of January 1968  
Placer County Water Agency  
By: *Frank Paul*  
Chairman, Board of Directors

#2079-391

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PLAN - TOP DECK - ELEV. 1211

PLAN - EQUIPMENT FLOOR - ELEV. 1196

EXHIBIT L  
SHEET 33

REVISED NOV. 15, 1967 - AS BUILT

PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
**RALSTON POWER PLANT**  
POWERHOUSE PLANS  
SCALE 1/8" = 1'-0"  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

This drawing is a part of the application for license made  
by the undersigned this 9 day of January 1968  
Placer County Water Agency  
By: *Frank J. Tobi*  
Chairman, Board of Directors

84

2079-352

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San Francisco

RECORDED  
FEDERAL LAND  
COMMISSION



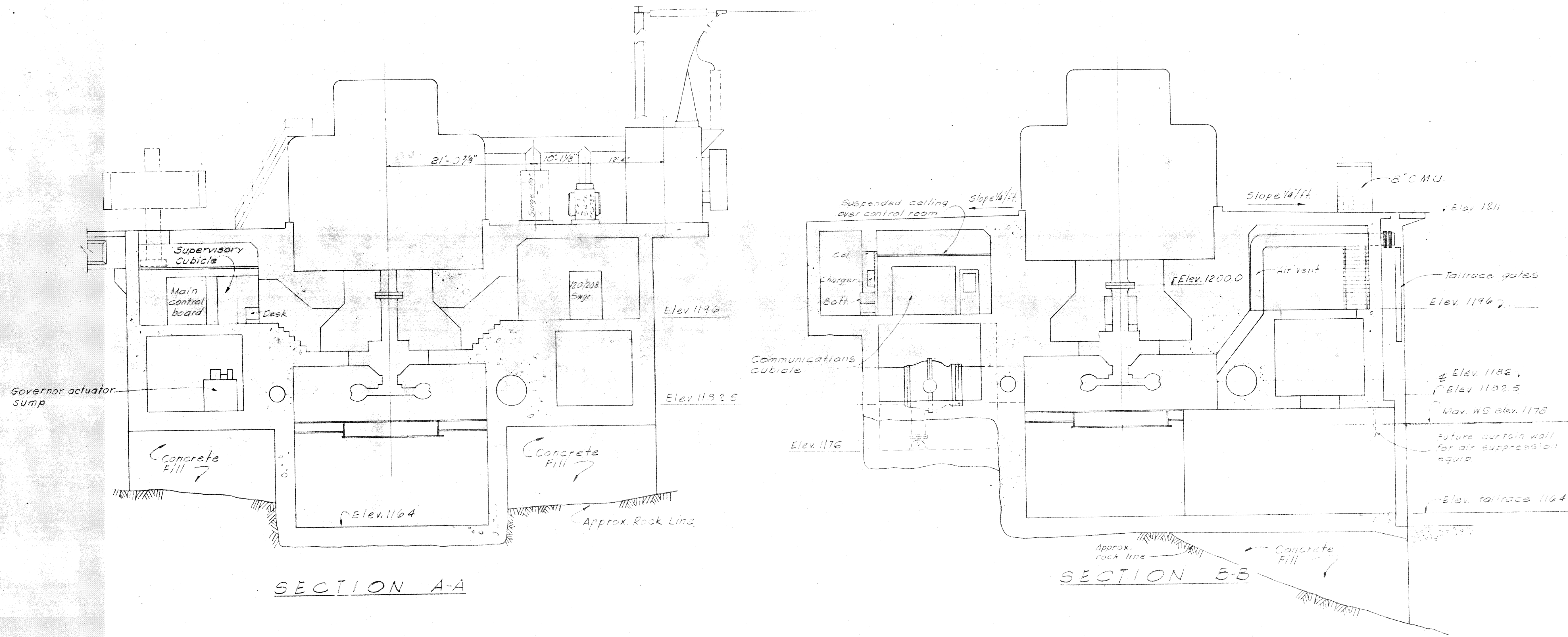
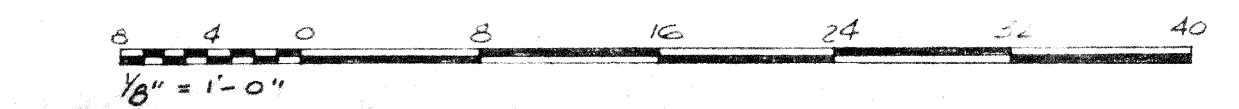


EXHIBIT L  
SHEET 35



REVISED NOV. 15, 1967 - AS BUILT  
REVISED AUG. 1, 1962

PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
RALSTON POWER PLANT  
SECTIONS  
SCALE 1/8"=1'-0"  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

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by the undersigned this 7 day of January, 1962  
Placer County Water Agency  
By: *Frank J. Paul*  
Chairman, Board of Directors

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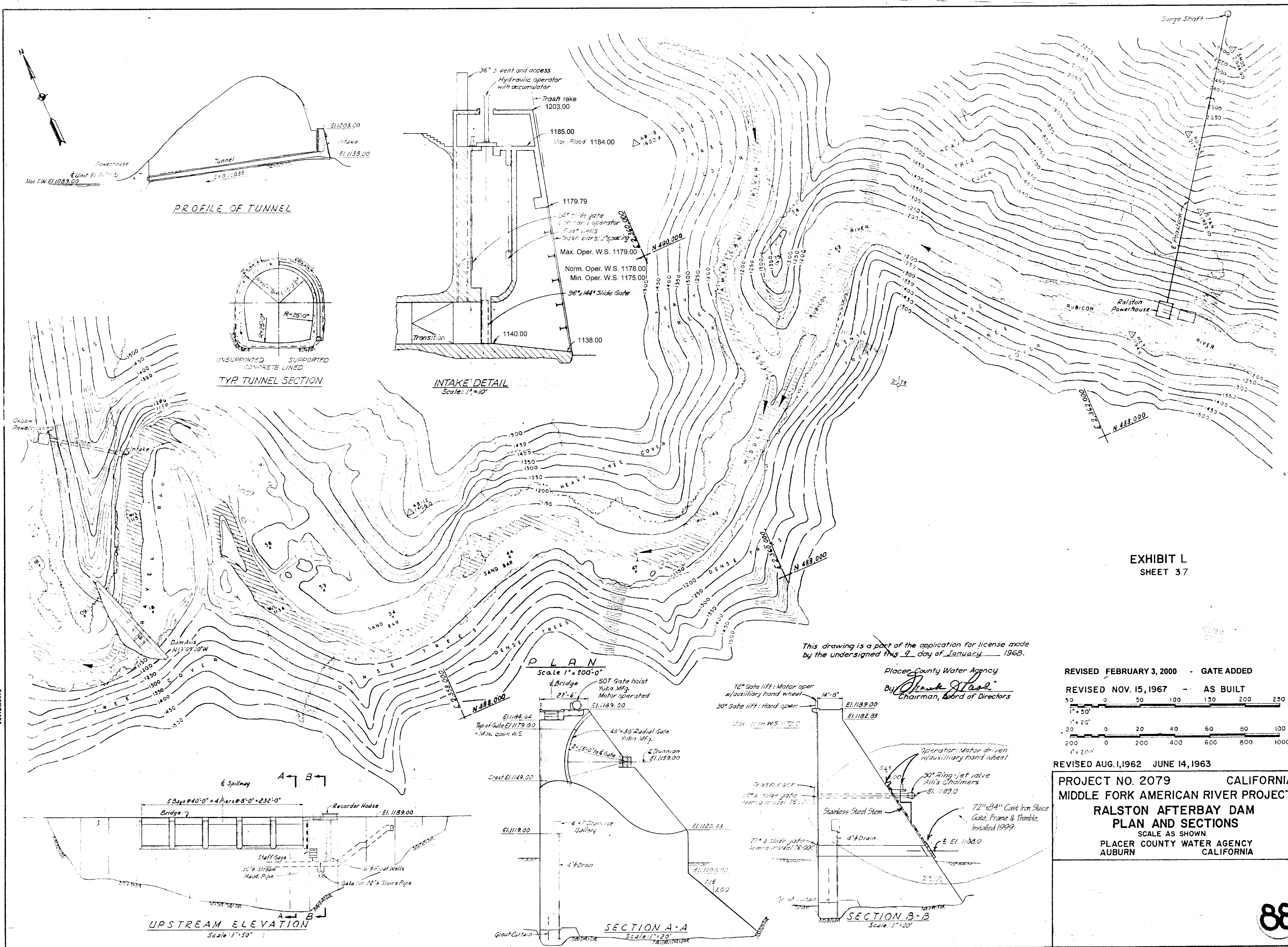


EXHIBIT L  
SHEET 37

This drawing is a part of the application for license made by the undersigned this 9 day of January 1968.

Placer County Water Agency  
By *Frank Hall*  
Chairman, Board of Directors

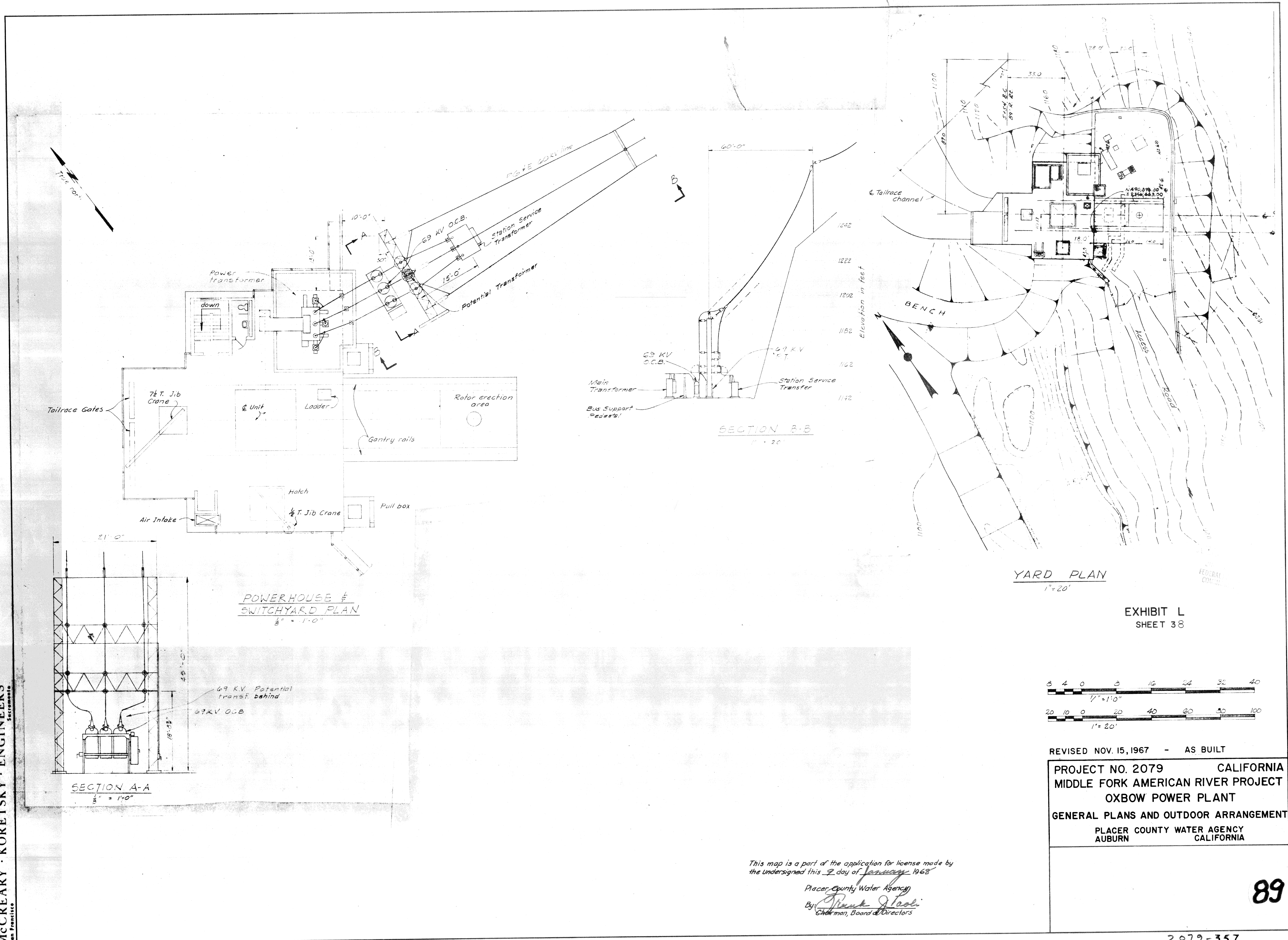
REVISED FEBRUARY 3, 2000 - GATE ADDED  
REVISED NOV. 15, 1967 - AS BUILT

Scale: 1" = 50'  
Scale: 1" = 20'

REVISED AUG. 1, 1962 JUNE 14, 1963

PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
RALSTON AFTERBAY DAM  
PLAN AND SECTIONS  
SCALE AS SHOWN  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

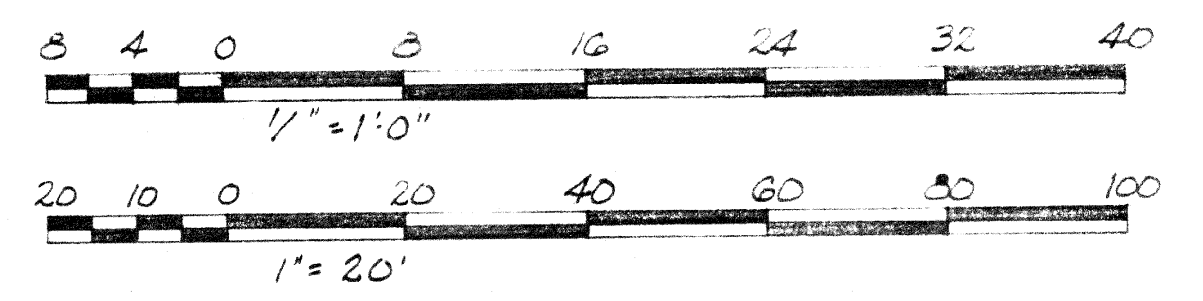
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YARD PLAN  
1" = 20'

EXHIBIT L  
SHEET 38



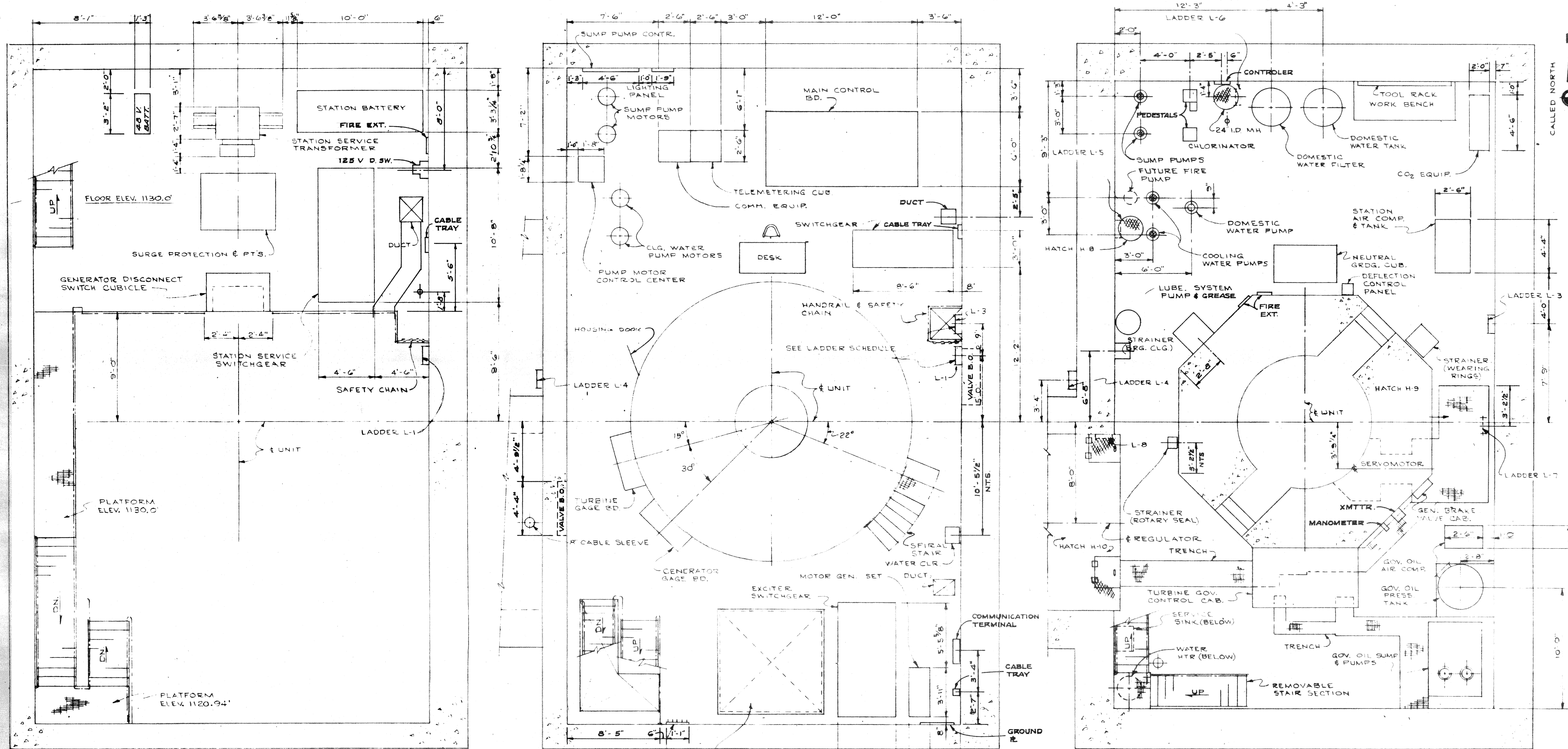
REVISED NOV. 15, 1967 - AS BUILT

PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
OXBOW POWER PLANT  
GENERAL PLANS AND OUTDOOR ARRANGEMENT  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

This map is a part of the application for license made by  
the undersigned this 9 day of January 1968  
Placer County Water Agency  
By: *Frank J. Pauli*  
Chairman, Board of Directors

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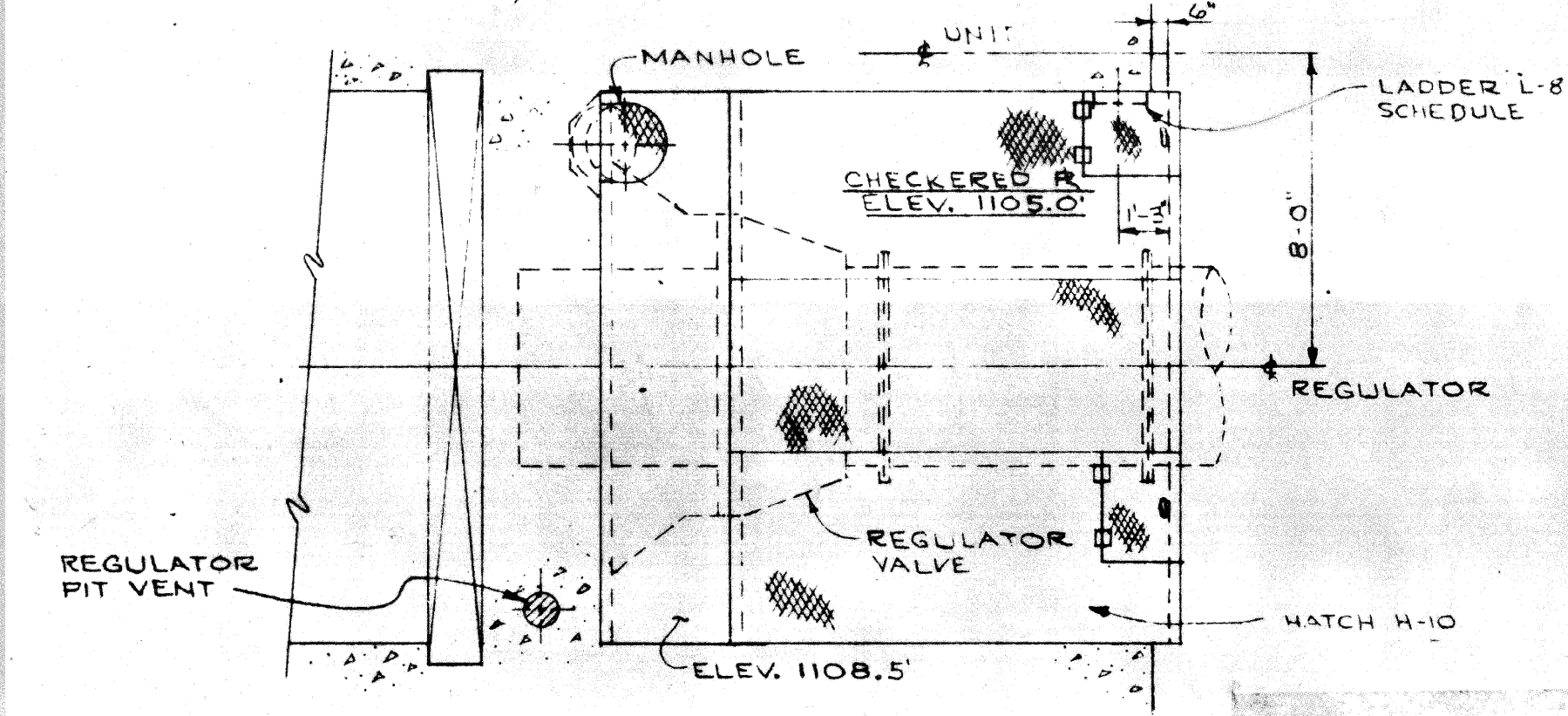
Contains Critical Energy Infrastructure Information (CEII) - Do Not Distribute



MEZZANINE FLOOR - ELEV. 1130.0'

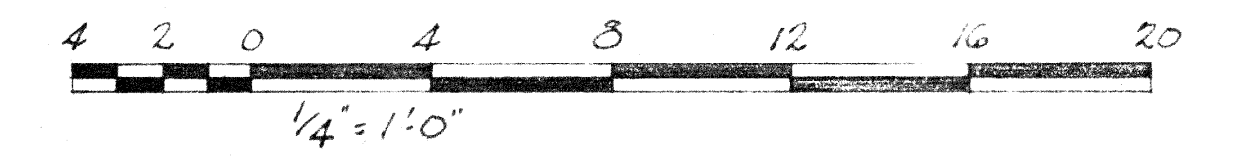
GENERATOR FLOOR - ELEV. 1116.72'

TURBINE FLOOR - ELEV. 1105.0'



REGULATOR PIT - ELEV. 1105.0'

EXHIBIT L  
SHEET 39

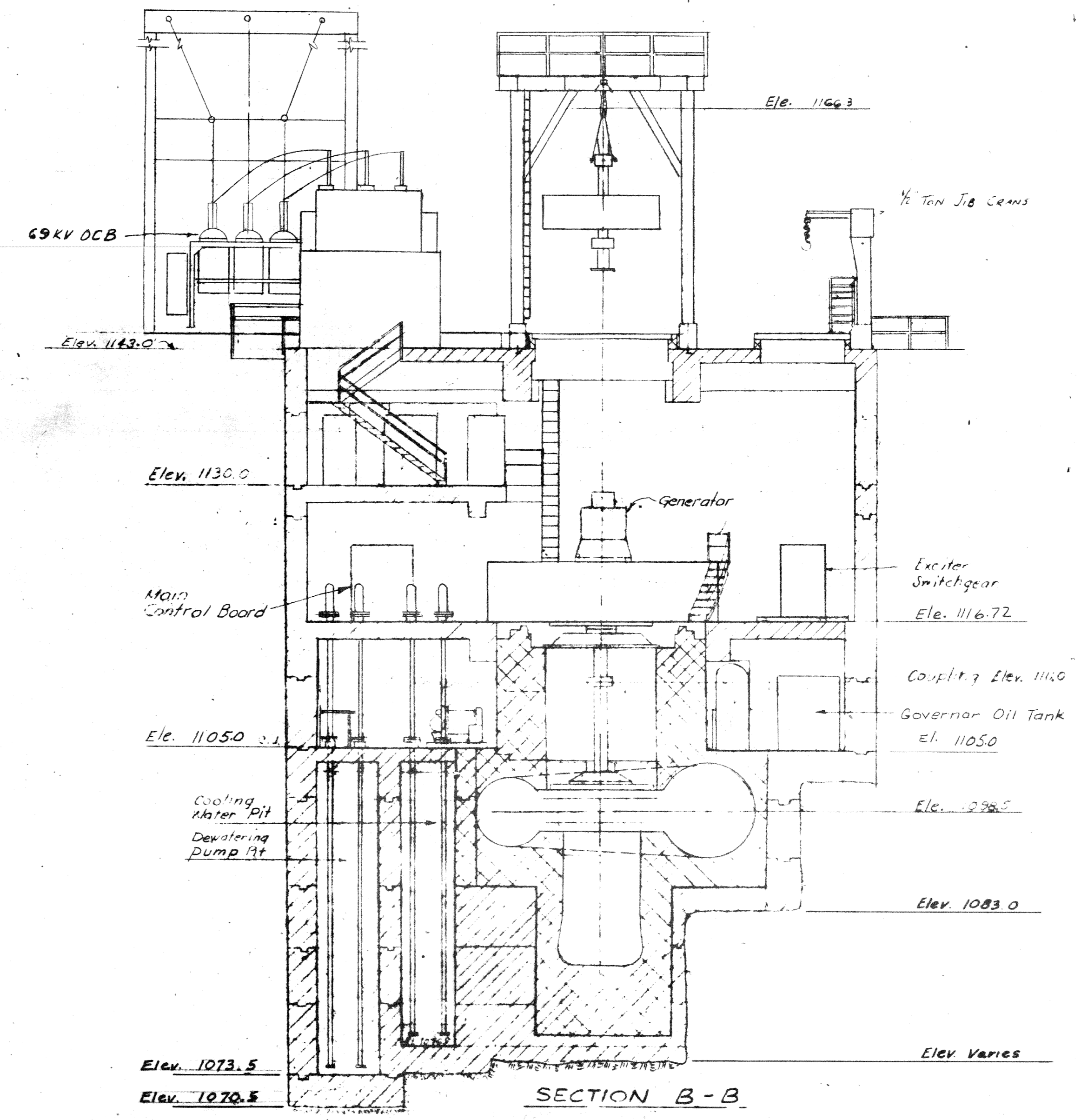
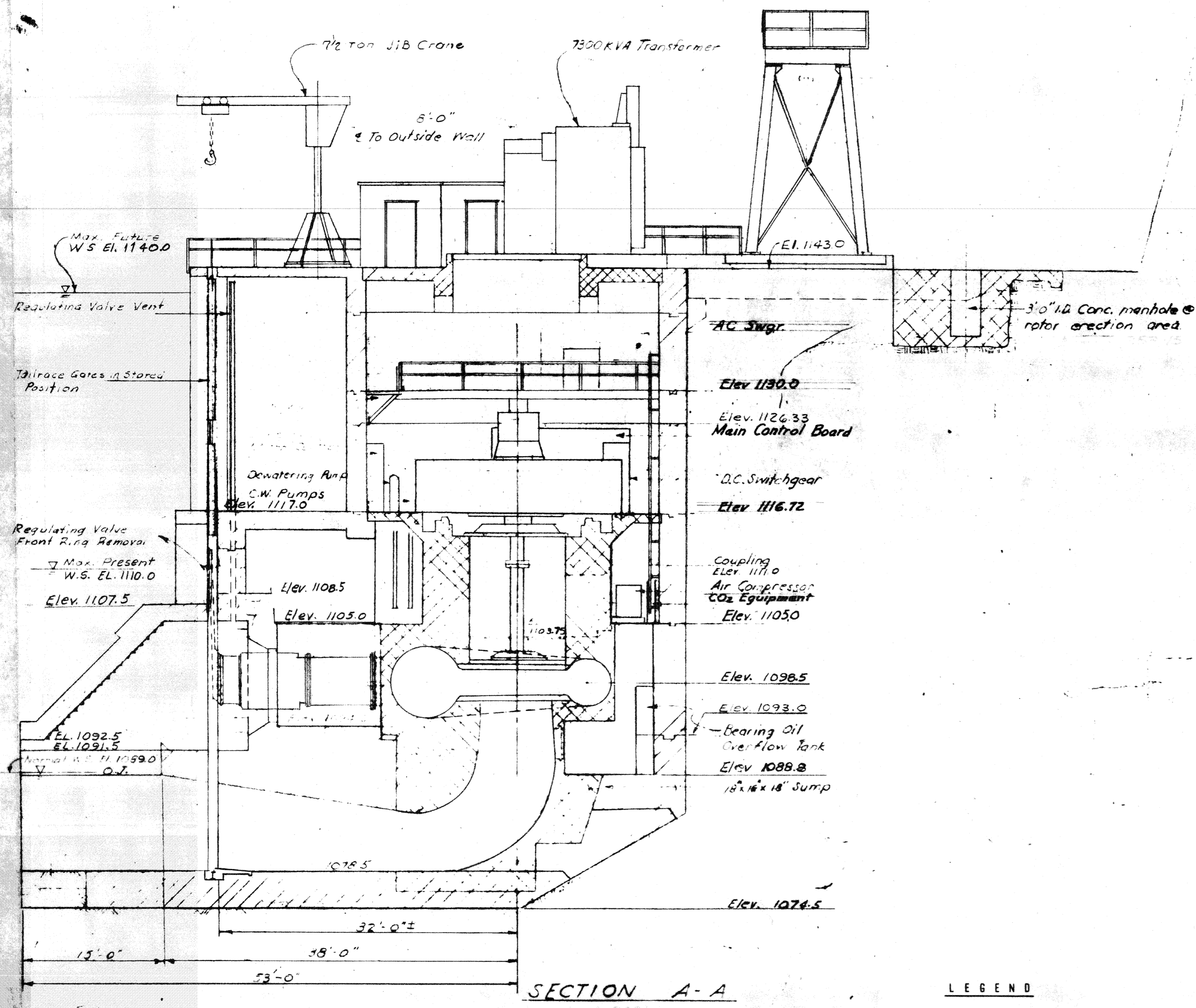


REVISED NOV. 15, 1967 - AS BUILT  
PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
OXBOW POWER PLANT  
FLOOR PLANS  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

This drawing is a part of the application for license made  
by the under signed this 7 day of January, 1967  
Placer County Water Agency  
By: *Frank J. Patti*  
Chairman, Board of Directors

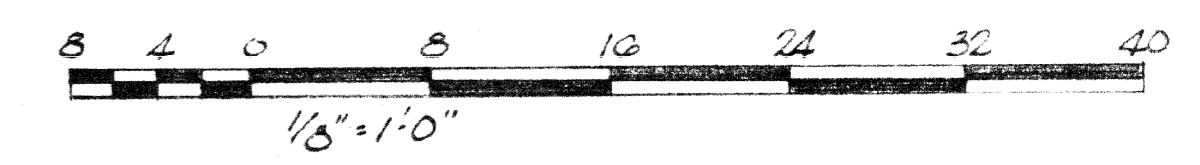
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LEGEND  
SCALE: 1/8" = 1'-0"  
FIRST STAGE CONCRETE  
SECOND STAGE CONCRETE  
C. J. CONSTRUCTION JOINT

EXHIBIT L  
SHEET 40



REVISED NOV. 15, 1967 - AS BUILT  
PROJECT NO. 2079 CALIFORNIA  
MIDDLE FORK AMERICAN RIVER PROJECT  
OXBOW POWER PLANT  
POWERHOUSE SECTIONS  
PLACER COUNTY WATER AGENCY  
AUBURN CALIFORNIA

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Placer County Water Agency  
By: *Frank J. Pasi*  
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