

A

B

C

D

1

2

3

4

5

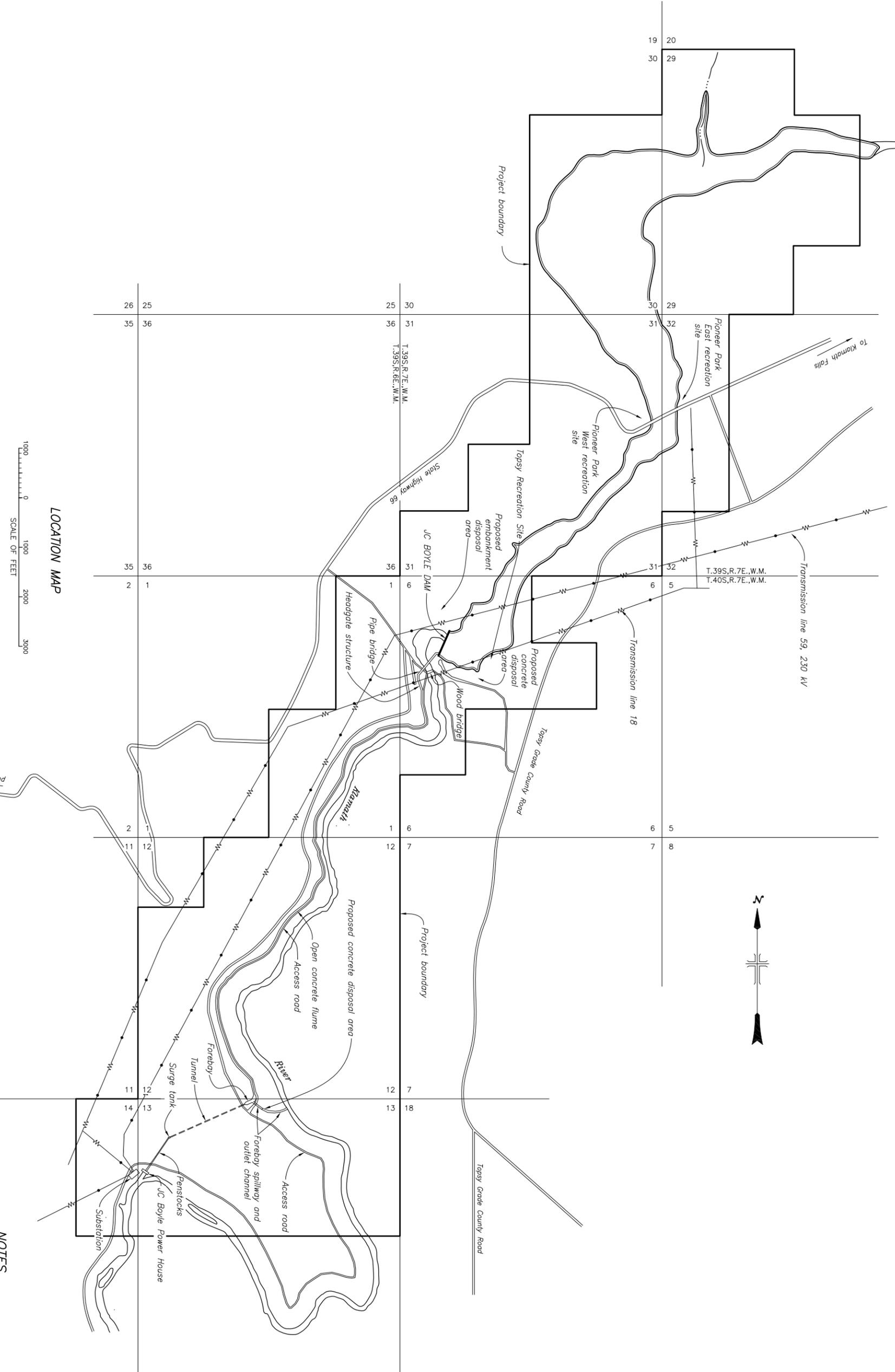
1

2

3

4

5



LOCATION MAP



NOTES

1. For proposed removal limits, see Figures 2 and 3.



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BUREAU OF RECLAMATION

KLAMATH RIVER DAMS PROJECT - OREGON, CALIFORNIA

JC BOYLE DAM REMOVAL  
FEASIBILITY STUDY  
LOCATION MAP

RECLAMATION  
Managing Water in the West

DESIGNED BY R. D. Benik, P.E.  
REVIEWED BY Thomas E. Hepler, P.E.  
MATEWIKS AND CONCRETE DAMS GROUP

DENVER, COLORADO June 15, 2011

JC BOYLE DAM  
LOCATION MAP

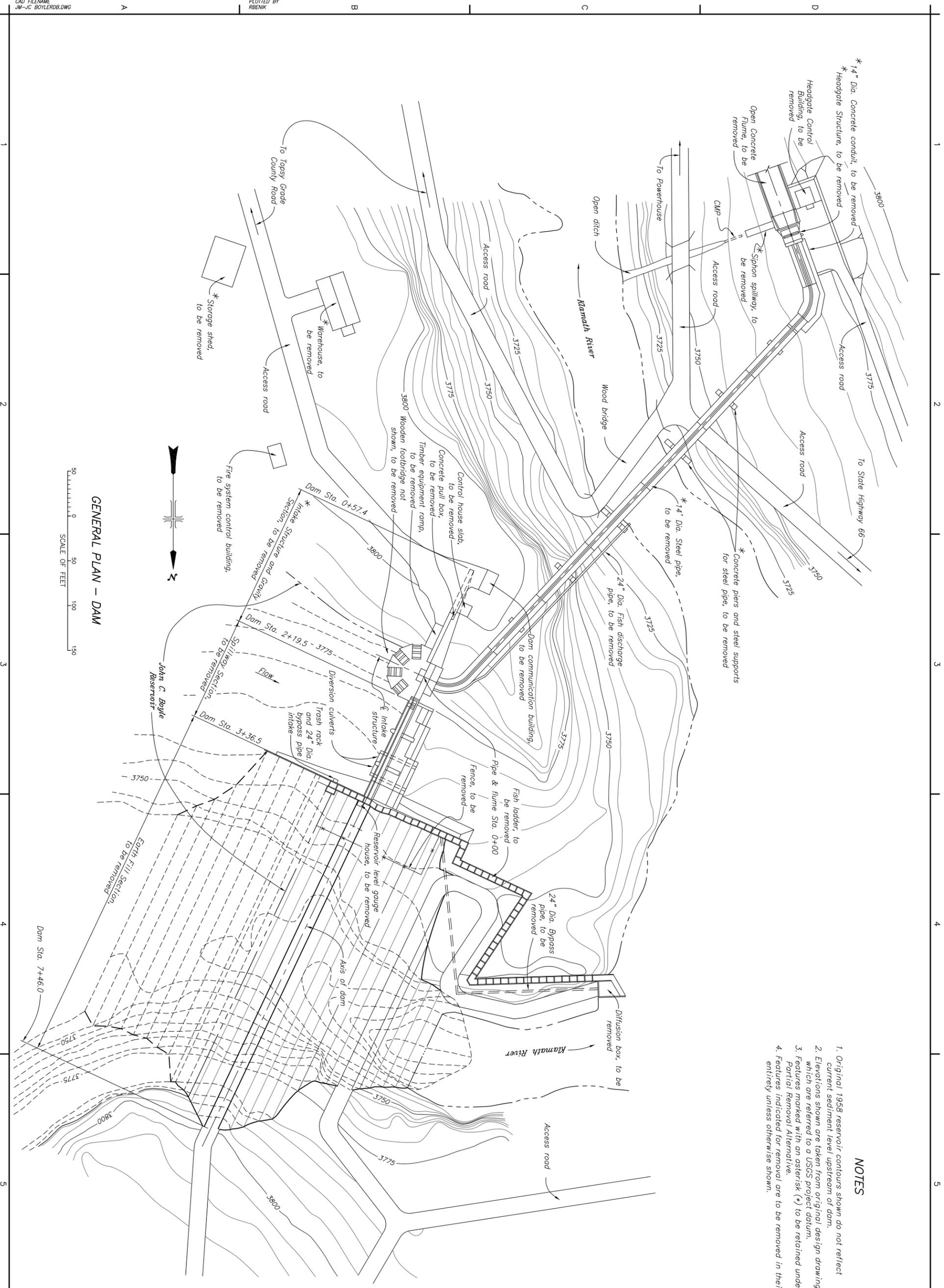
Figure 1  
SHEET 1 OF 1

A

B

C

D



**NOTES**

1. Original 1958 reservoir contours shown do not reflect current sediment level upstream of dam.
2. Elevations shown are taken from original design drawings which are referred to a USGS project datum.
3. Features marked with an asterisk (\*) to be retained under Partial Removal Alternative.
4. Features indicated for removal are to be removed in their entirety unless otherwise shown.

**GENERAL PLAN - DAM**



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KLAMATH RIVER DAMS PROJECT - OREGON, CALIFORNIA  
**JC BOYLE DAM REMOVAL  
FEASIBILITY STUDY  
GENERAL PLAN - DAM**

DESIGNED BY R. D. Benik, P.E.  
REVIEWED BY Thomas E. Hepler, P.E.  
MATEWIKS AND COMPANY DAMS GROUP  
DENVER, COLORADO June 15, 2011

JC BOYLE DAM  
GENERAL PLAN

**Figure 2**  
SHEET 1 OF 1

A

B

C

D

1

2

3

4

5

1

2

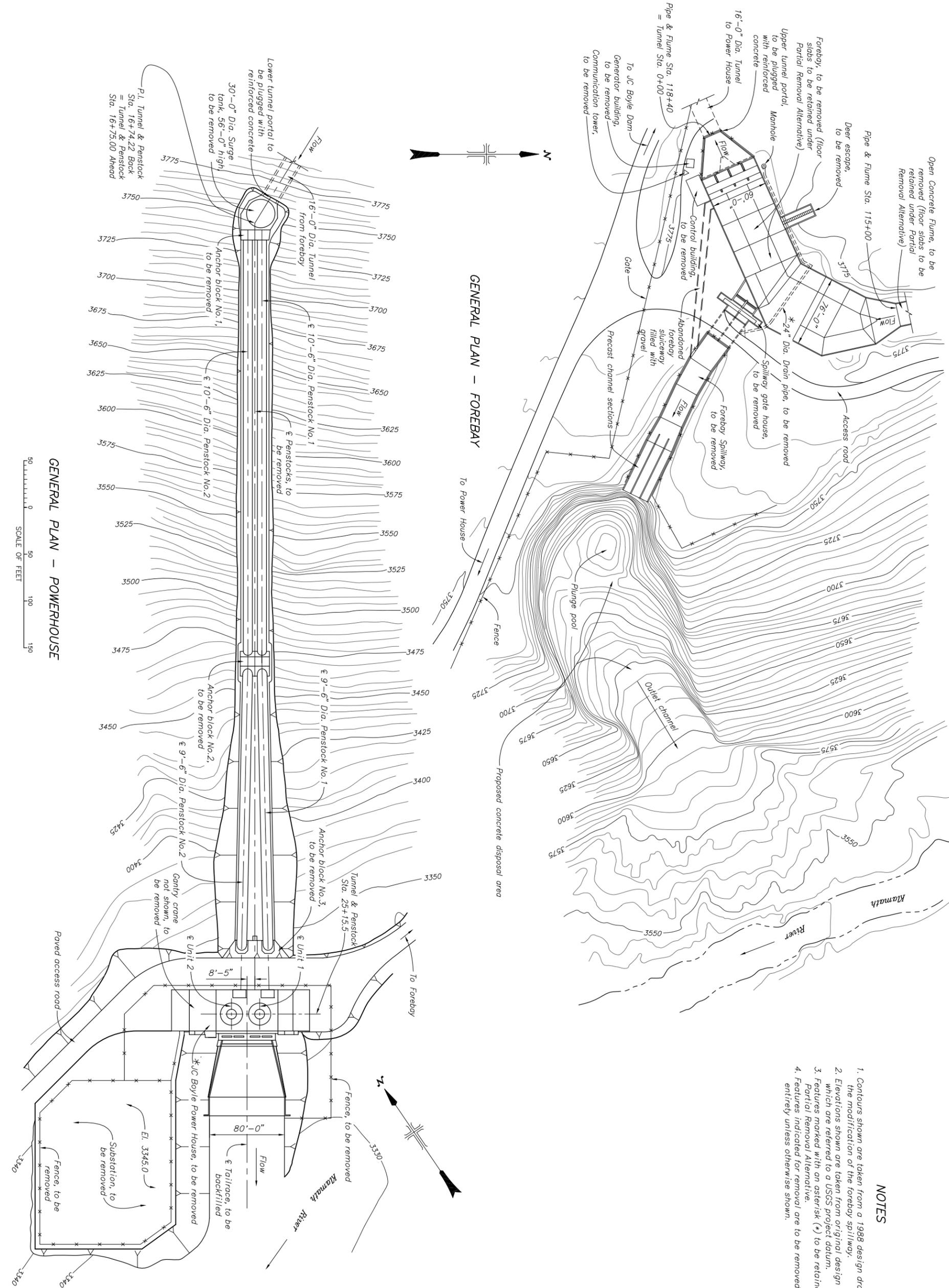
3

4

5



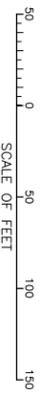
GENERAL PLAN - FOREBAY



NOTES

1. Contours shown are taken from a 1988 design drawing for the modification of the forebay spillway.
2. Elevations shown are taken from original design drawings which are referred to a USGS project datum.
3. Features marked with an asterisk (\*) to be retained under Partial Removal Alternative.
4. Features indicated for removal are to be removed in their entirety unless otherwise shown.

GENERAL PLAN - POWERHOUSE



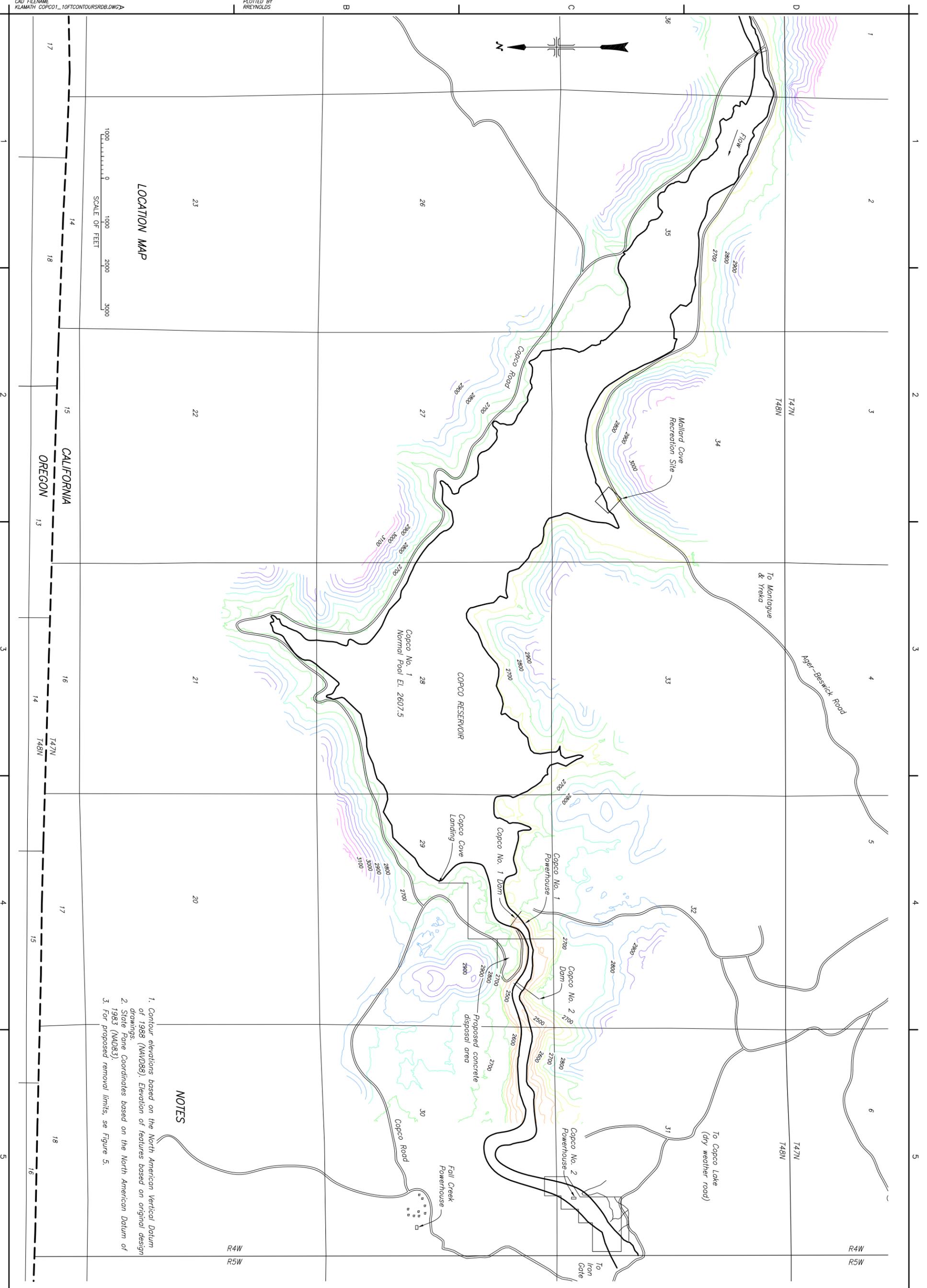
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**JC BOYLE DAM REMOVAL**  
**FEASIBILITY STUDY**  
 GENERAL PLANS - FOREBAY AND POWERHOUSE

**RECLAMATION**  
 Managing Water in the West

DESIGNED BY R. D. Benik, P.E.  
 REVIEWED BY Thomas E. Hepler, P.E.  
 METEOROLOGICAL AND CONCRETE DAMS GROUP  
 DENVER, COLORADO  
 June 15, 2011

**JC BOYLE DAM**  
**FOREBAY AND**  
**POWERHOUSE**

**Figure 3**  
 SHEET 1 OF 1



- NOTES**
1. Contour elevations based on the North American Vertical Datum of 1988 (NAVD88). Elevation of features based on original design drawings.
  2. State Plane Coordinates based on the North American Datum of 1983 (NAD83).
  3. For proposed removal limits, see Figure 5.

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KLAMATH RIVER DAMS PROJECT - OREGON, CALIFORNIA  
**COPCO No. 1 DAM REMOVAL  
FEASIBILITY STUDY  
LOCATION MAP**

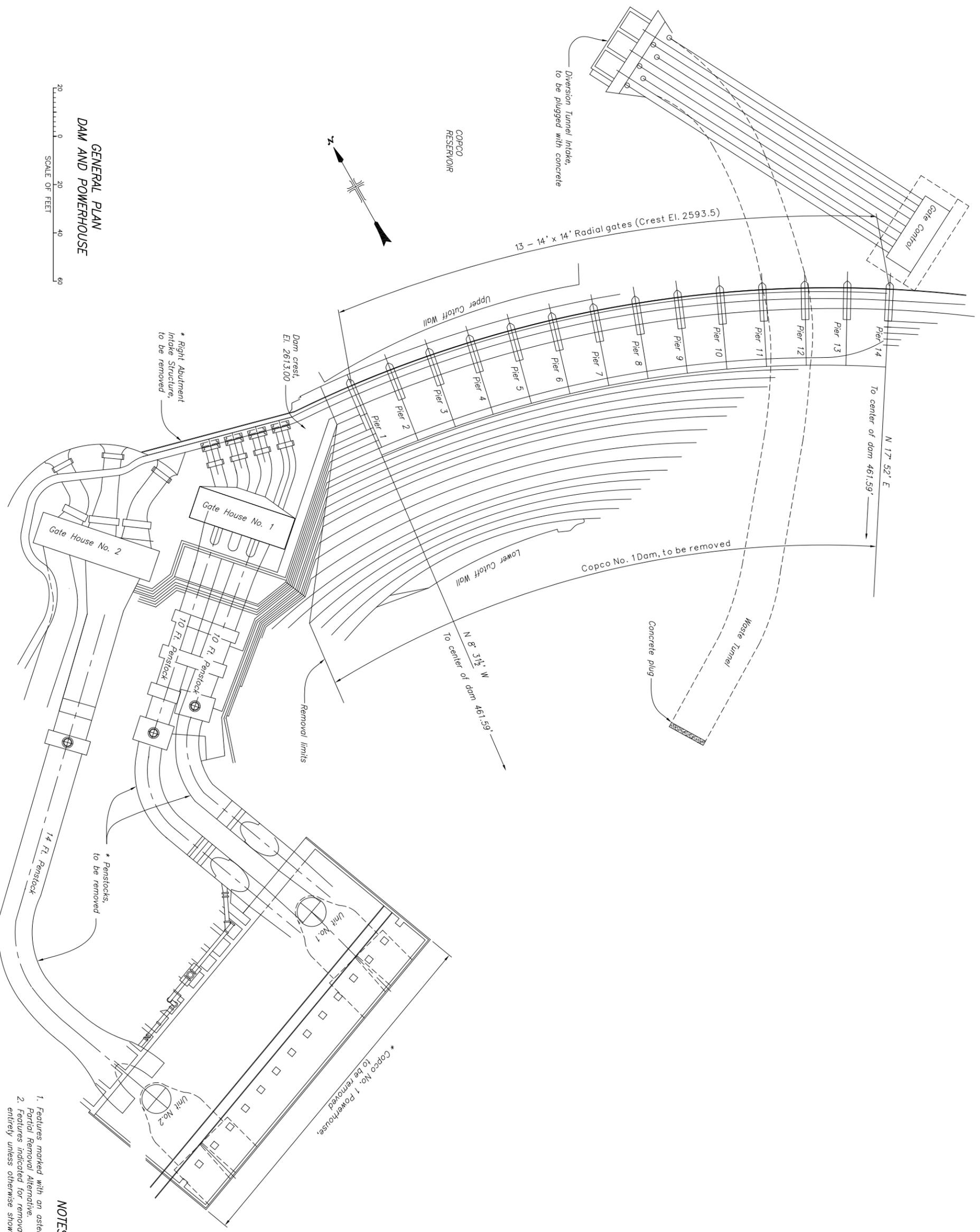
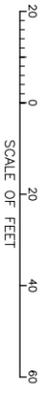
**RECLAMATION**  
Managing Water in the West

DESIGNED BY R.L. REYNOLDS, P.E.  
REVIEWED BY THOMAS E. HEFLER, P.E.  
DRAWINGS AND CONCRETE DAMS GROUP  
DENVER, COLORADO June 15, 2011

COPCO NO. 1 DAM  
LOCATION MAP

**Figure 4**  
SHEET 1 OF 1

**GENERAL PLAN  
DAM AND POWERHOUSE**



**NOTES**

1. Features marked with an asterisk (\*) to be retained under Partial Removal Alternative.
2. Features indicated for removal are to be removed in their entirety unless otherwise shown.

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BUREAU OF RECLAMATION

KLAMATH RIVER DAMS PROJECT - OREGON, CALIFORNIA

**COPCO NO. 1 DAM REMOVAL  
FEASIBILITY STUDY**

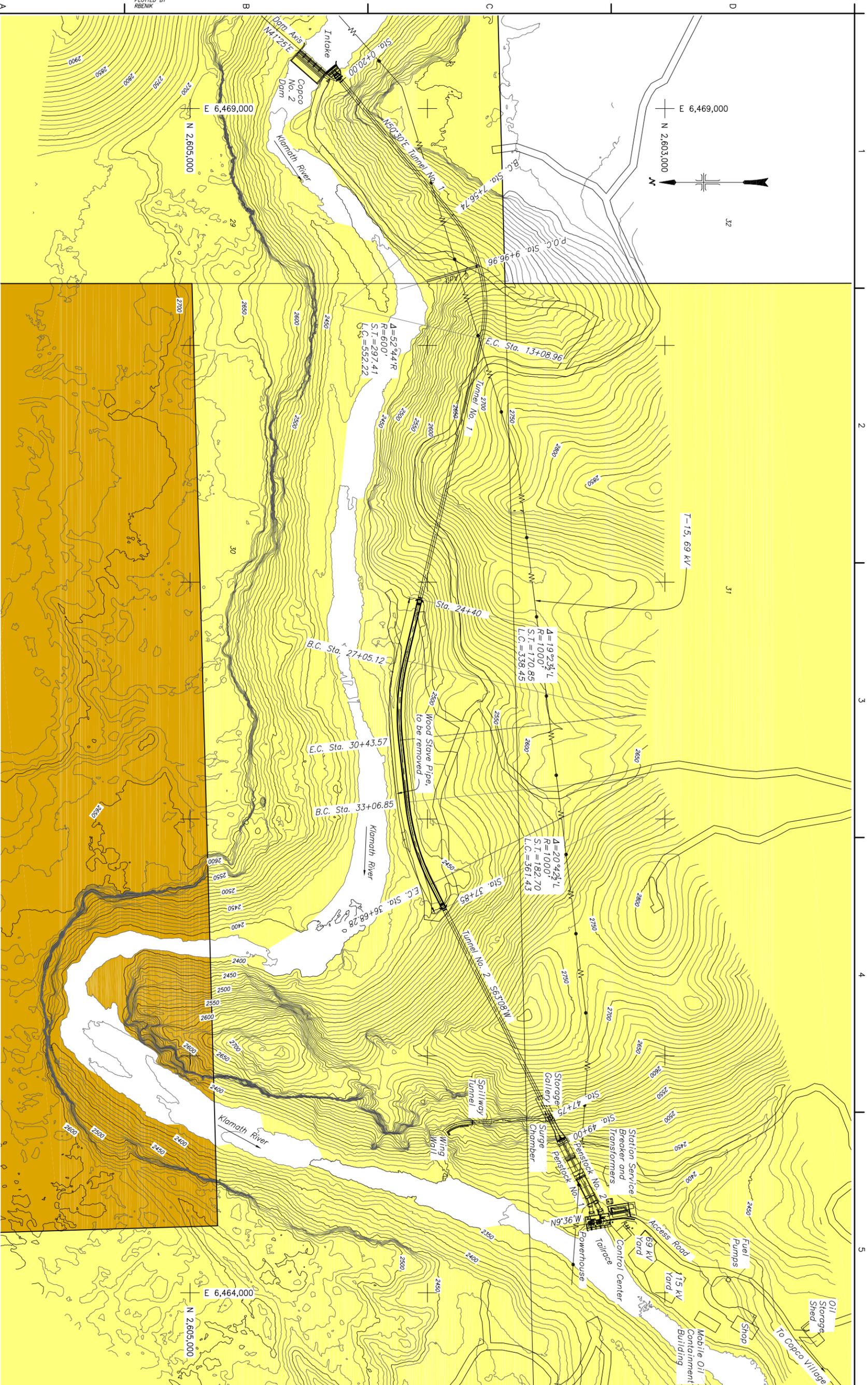
GENERAL PLAN - DAM AND POWERHOUSE

**RECLAMATION**  
Managing Water in the West

DESIGNED BY R.L. REYNOLDS, P.E.  
REVIEWED BY THOMAS E. HEPLER, P.E.  
DRAWINGS AND CONCRETE DAMS GROUP  
DENVER, COLORADO June 15, 2011

COPCO NO. 1 DAM  
PLAN

Figure 5  
SHEET 1 OF 1



**GENERAL PLAN  
DAM AND POWERHOUSE**

SCALE OF FEET  
0 200 400 600

- NOTES**
1. Contour elevations based on the North American Vertical Datum of 1988 (NAVD88). Elevation of features based on original design drawings.
  2. State Plane Coordinates based on the North American Datum of 1983 (NAD83).
  3. For additional removal limits, see Figures 7, 8, and 9.
  4. A part of T48W R4W.

5. Land ownership:
- PACIFICORP
  - FEDERAL LANDS (BLM)

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KLAMATH RIVER DAMS PROJECT - OREGON, CALIFORNIA  
**COPCO NO. 2 DAM REMOVAL**  
FEASIBILITY STUDY  
GENERAL PLAN

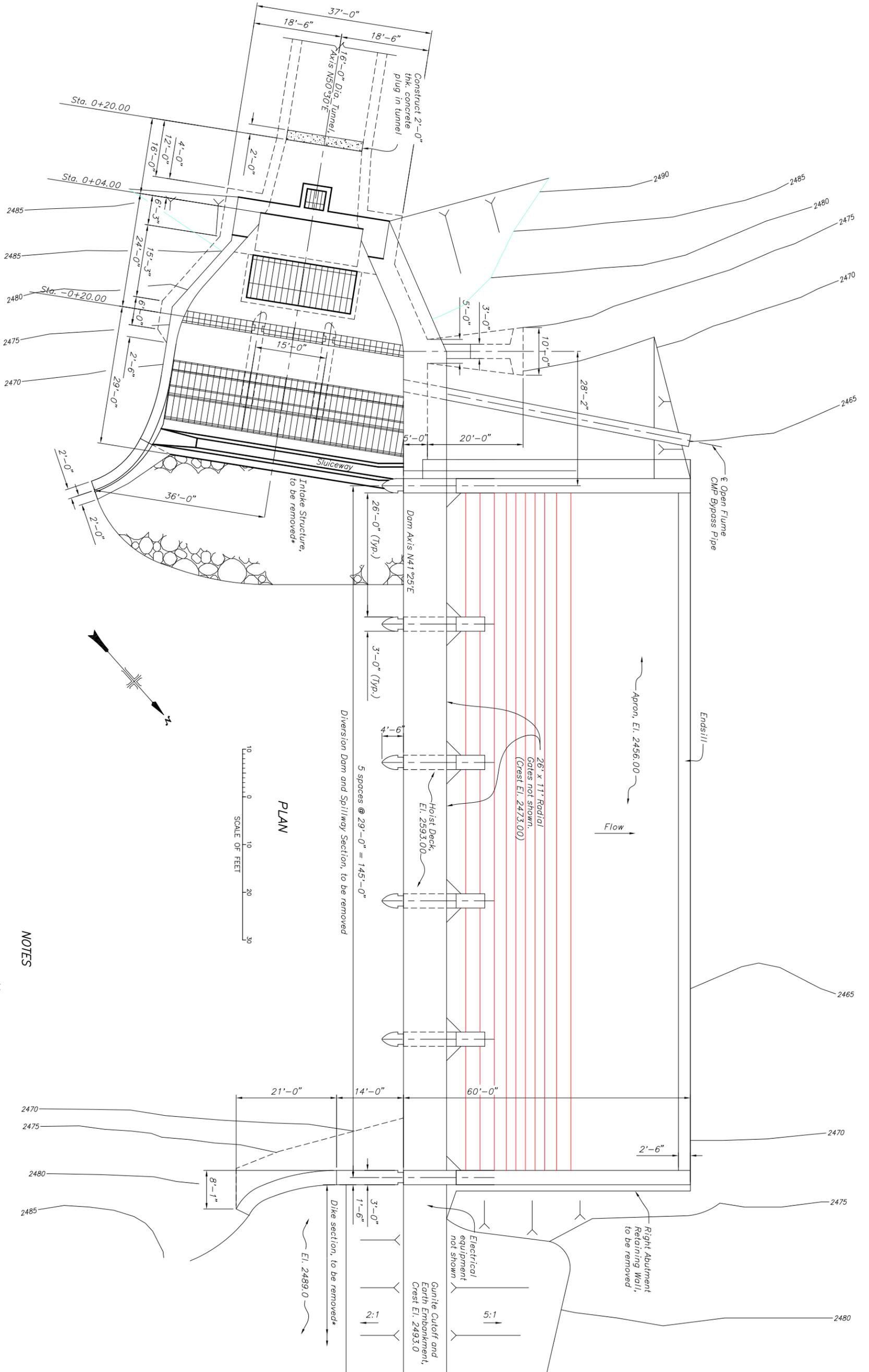
**RECLAMATION**  
Managing Water in the West

DESIGNED BY R.L. REMOUDS, P.E.  
REVIEWED BY THOMAS E. HEPLER, P.E.  
DRAWINGS AND CONCRETE DAMS GROUP

DENVER, COLORADO June 15, 2011

COPCO NO. 2 DAM  
GENERAL PLAN

**Figure 6**  
SHEET 1 OF 1



PLAN

SCALE OF FEET  
10 0 10 20 30

NOTES

1. Features marked with an asterisk (\*) to be retained under partial removal alternative.
2. Features indicated for removal are to be removed in their entirety unless otherwise shown.

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KLAMATH RIVER DAMS PROJECT - OREGON, CALIFORNIA

**COPCO NO. 2 DAM REMOVAL**

FEASIBILITY STUDY

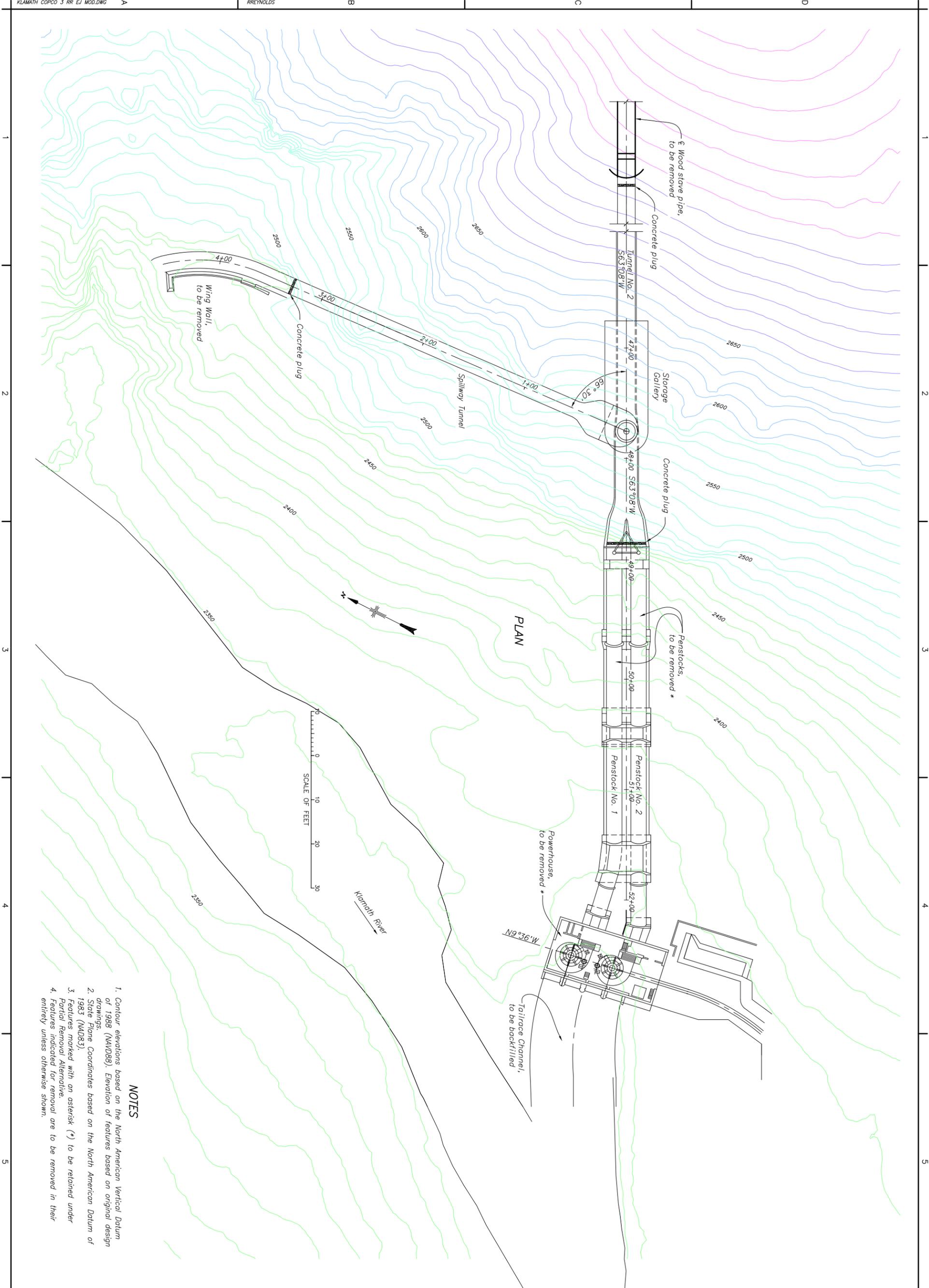
PLAN - DAM, SPILLWAY, AND INTAKE STRUCTURE

RECLAMATION  
Managing Water in the West

DESIGNED BY R.L. REYNOLDS, P.E.  
REVIEWED BY THOMAS E. HEPLER, P.E.  
MATEWICKS AND CONCRETE DAMS GROUP  
DENVER, COLORADO June 15, 2011

COPCO NO. 2 DAM  
PLAN

Figure 7  
SHEET 1 OF 1



**NOTES**

1. Contour elevations based on the North American Vertical Datum of 1988 (NAVD83). Elevation of features based on original design drawings.
2. State Plane Coordinates based on the North American Datum of 1983 (NAD83).
3. Features marked with an asterisk (\*) to be retained under Partial Removal Alternative.
4. Features indicated for removal are to be removed in their entirety unless otherwise shown.

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KLAMATH RIVER DAMS PROJECT - OREGON, CALIFORNIA

**COPCO NO. 2 DAM REMOVAL**

FEASIBILITY STUDY

PLAN - DAM, SPILLWAY, AND INTAKE STRUCTURE

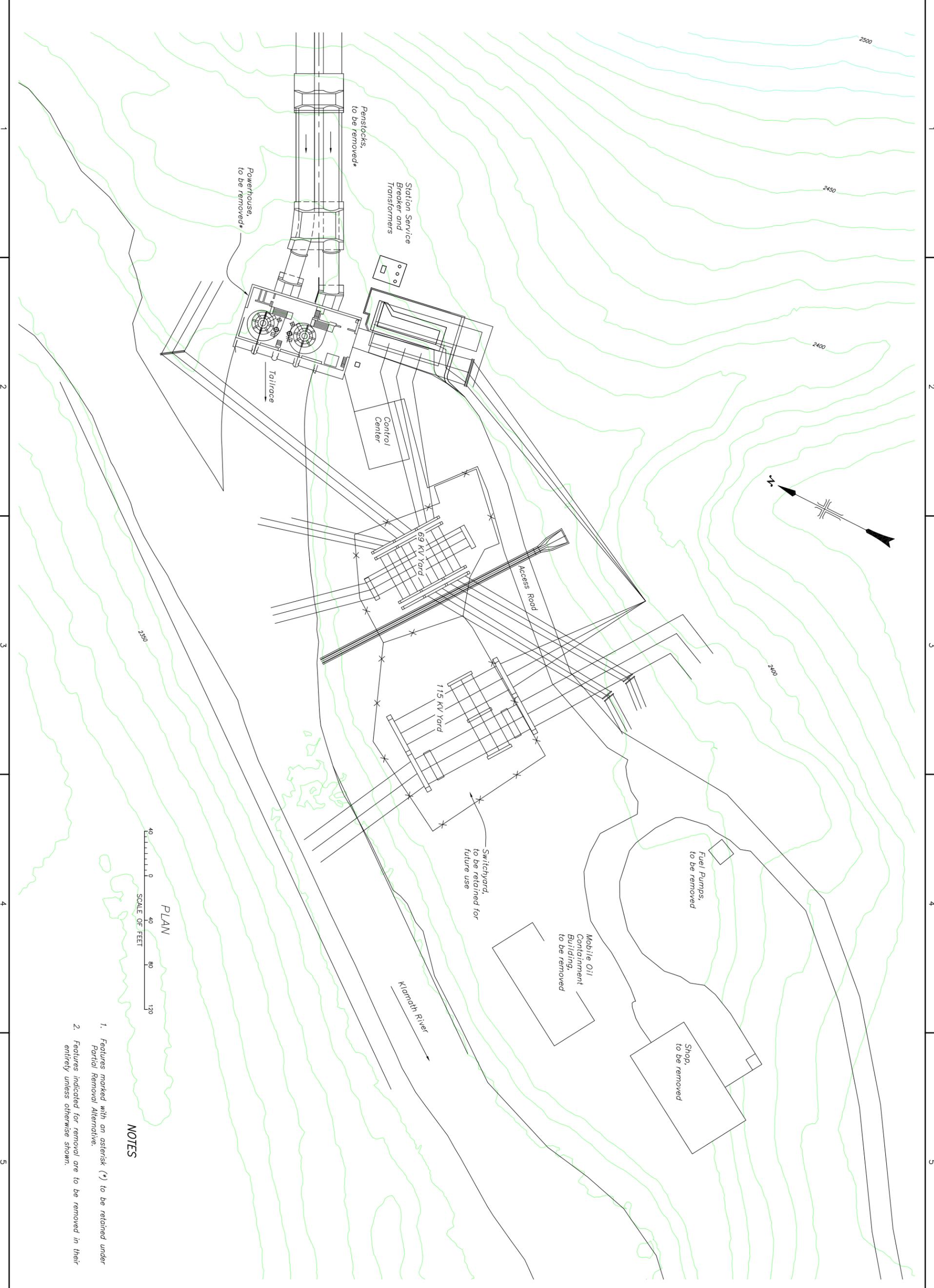
**RECLAMATION**  
Managing Water in the West

DESIGNED BY R.L. REYNOLDS, P.E.  
REVIEWED BY THOMAS E. HEFLER, P.E.  
DRAWINGS AND CONCRETE DAMS GROUP

DENVER, COLORADO June 15, 2011

COPCO NO. 2 POWERHOUSE  
PLAN

**Figure 8**  
SHEET 1 OF 1



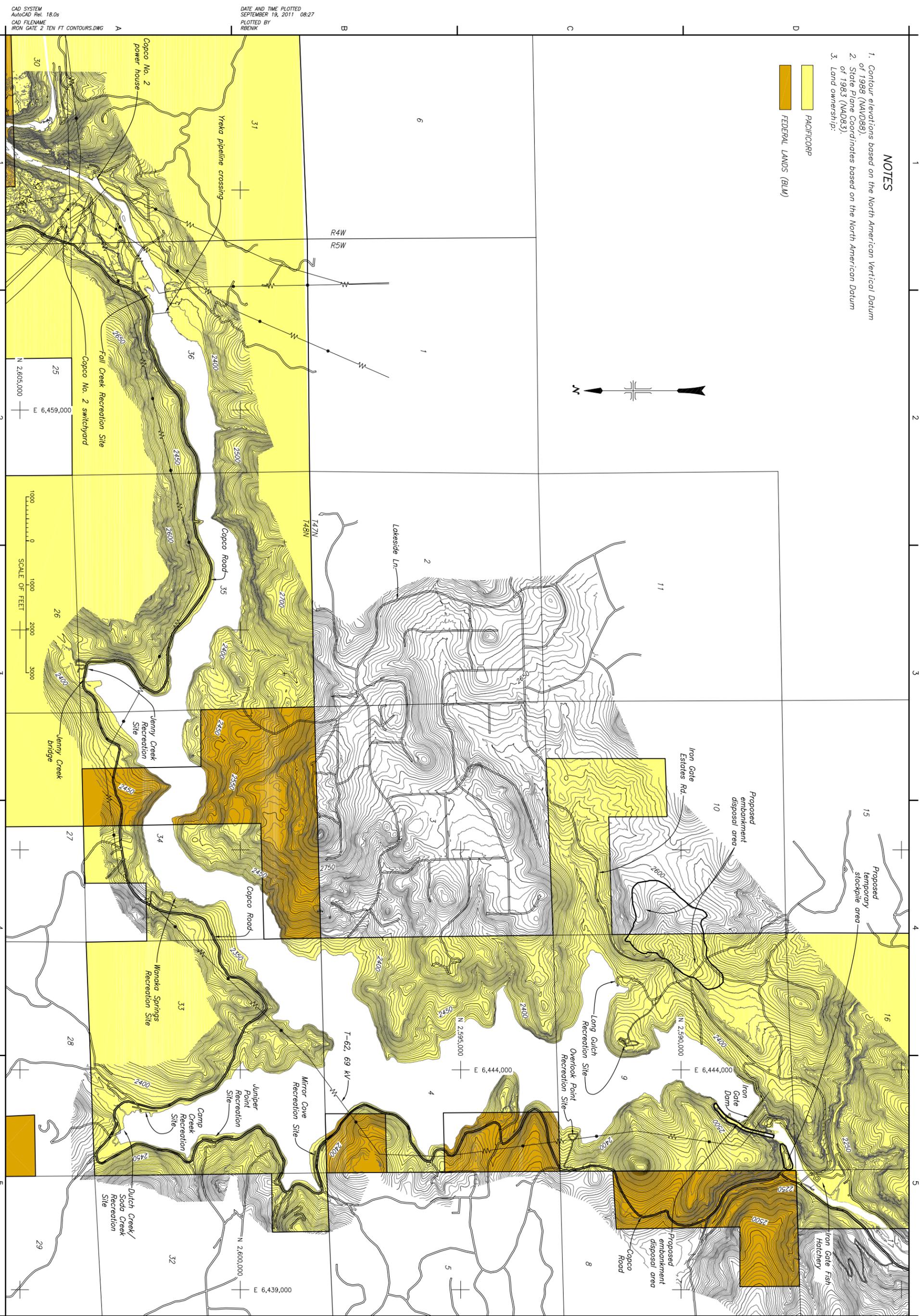
**NOTES**

1. Features marked with an asterisk (\*) to be retained under Partial Removal Alternative.
2. Features indicated for removal are to be removed in their entirety unless otherwise shown.

**NOTES**

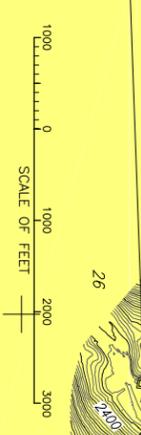
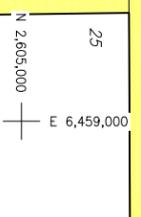
1. Contour elevations based on the North American Vertical Datum of 1988 (NAVD88).
2. State Plane Coordinates based on the North American Datum of 1983 (NAD83).
3. Land ownership:

- PACIFICORP
- FEDERAL LANDS (BLM)

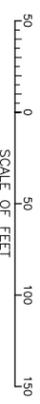
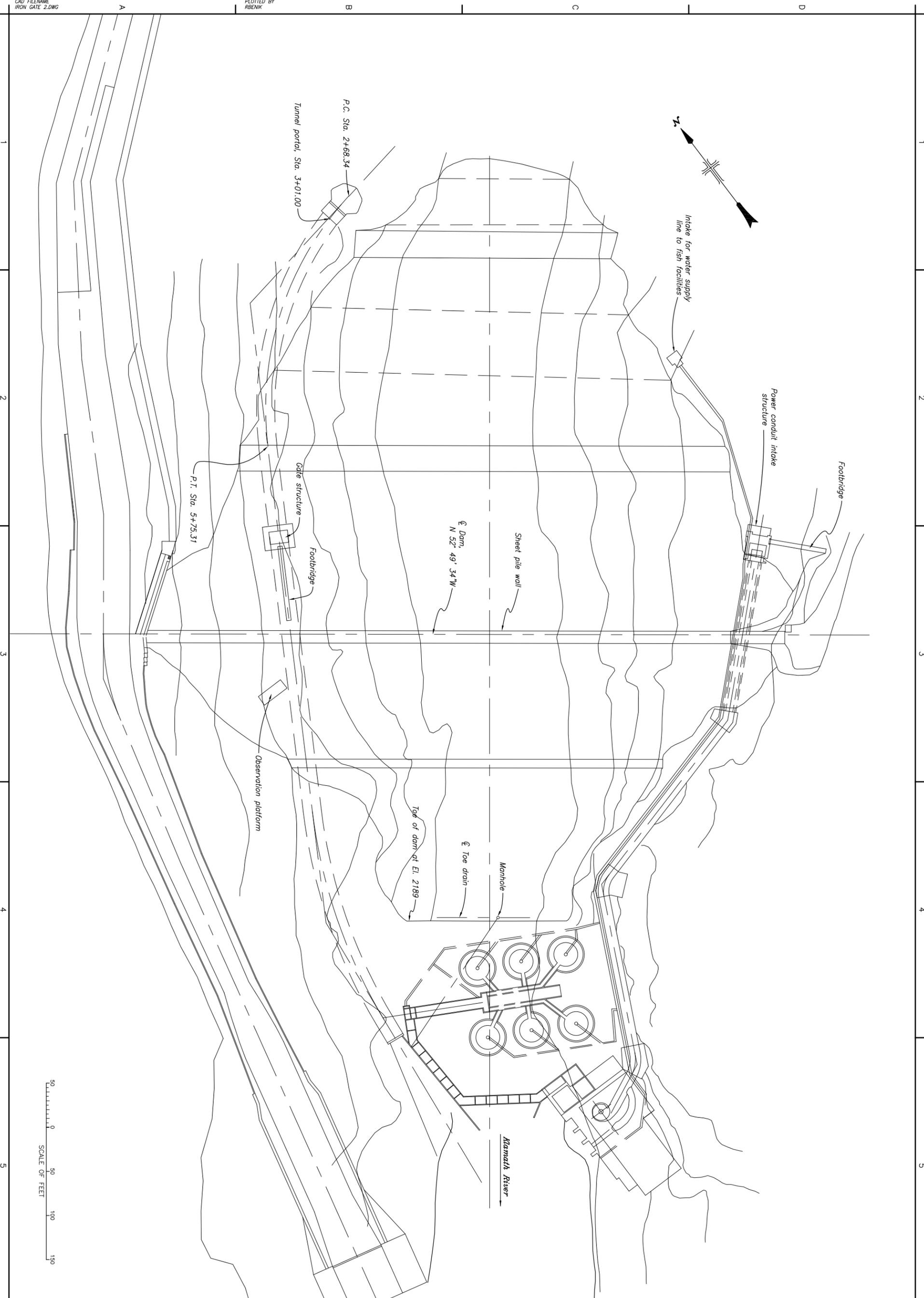


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AutoCAD Rel. 18.0s  
CAD FILENAME  
IRON GATE 2 TEN FT CONTOURS.DWG

DATE AND TIME PLOTTED  
SEPTEMBER 19, 2011 08:27  
PLOTTED BY  
RBEINIK



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<p>DESIGNED BY REVIEWED BY DRAWN BY DATE JUNE 15, 2017</p>	<p>FIGURE 10</p> <p>SHEET 1 OF 1</p>	



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KLAMATH RIVER DAMS PROJECT - OREGON, CALIFORNIA  
**IRON GATE DAM REMOVAL**  
**FEASIBILITY STUDY**  
GENERAL PLAN

**RECLAMATION**  
Managing Water in the West

DESIGNED BY R. D. Benik, P.E.  
REVIEWED BY Thomas E. Hepler, P.E.  
METEKINS AND CONCRETE DAMS GROUP  
DENVER, COLORADO  
JUNE 15, 2011

**Figure 11**  
SHEET 1 OF 1