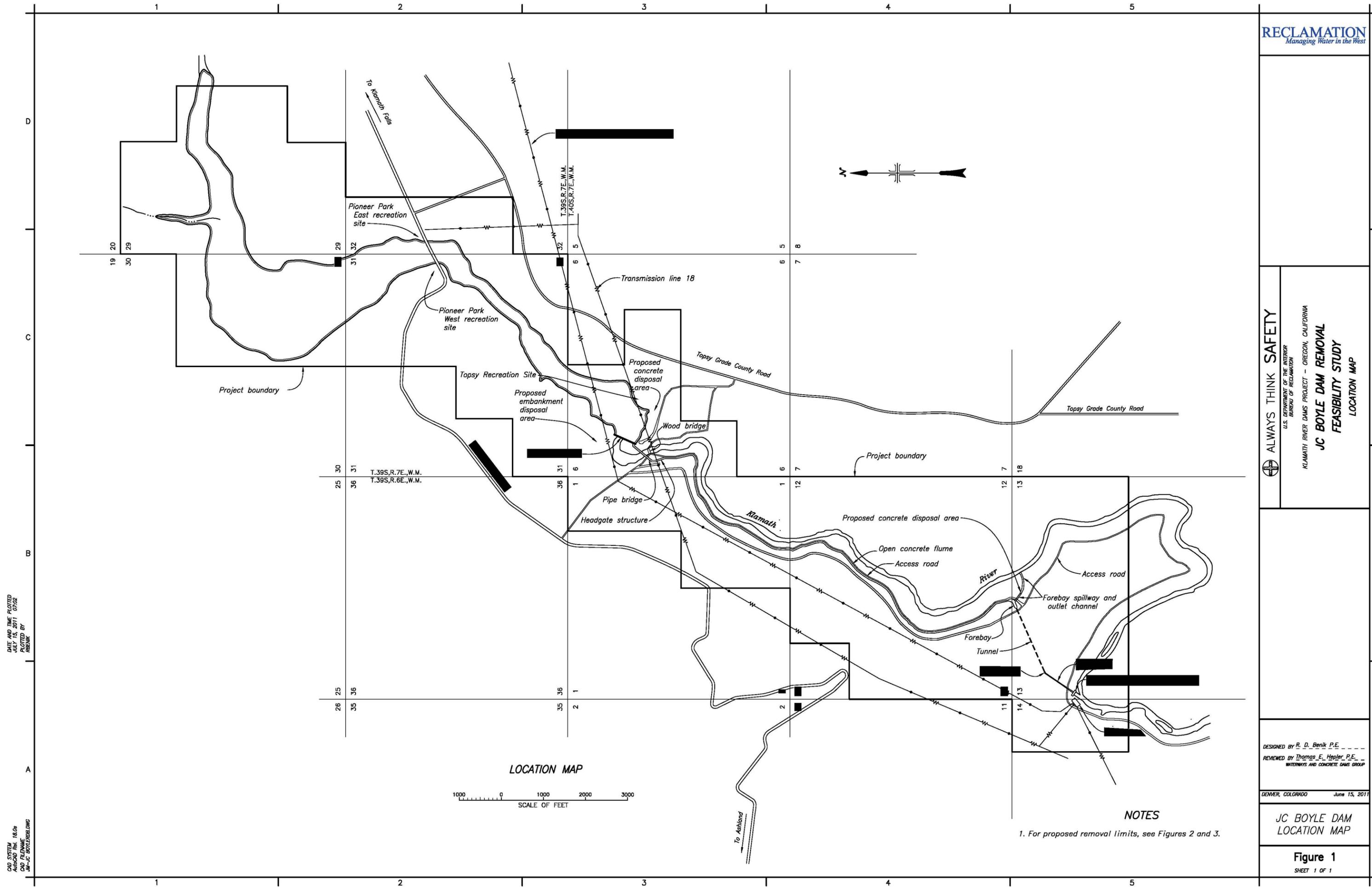


Attachment A

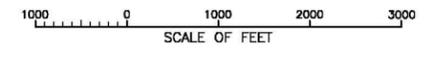
Existing Feature Layout Figures



DATE AND TIME PLOTTED
JULY 15, 2011 10:02 AM
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CAD SYSTEM
ARC/INFO
CAD FILENAME
JM-CT_BOTLEPROB.DWG

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

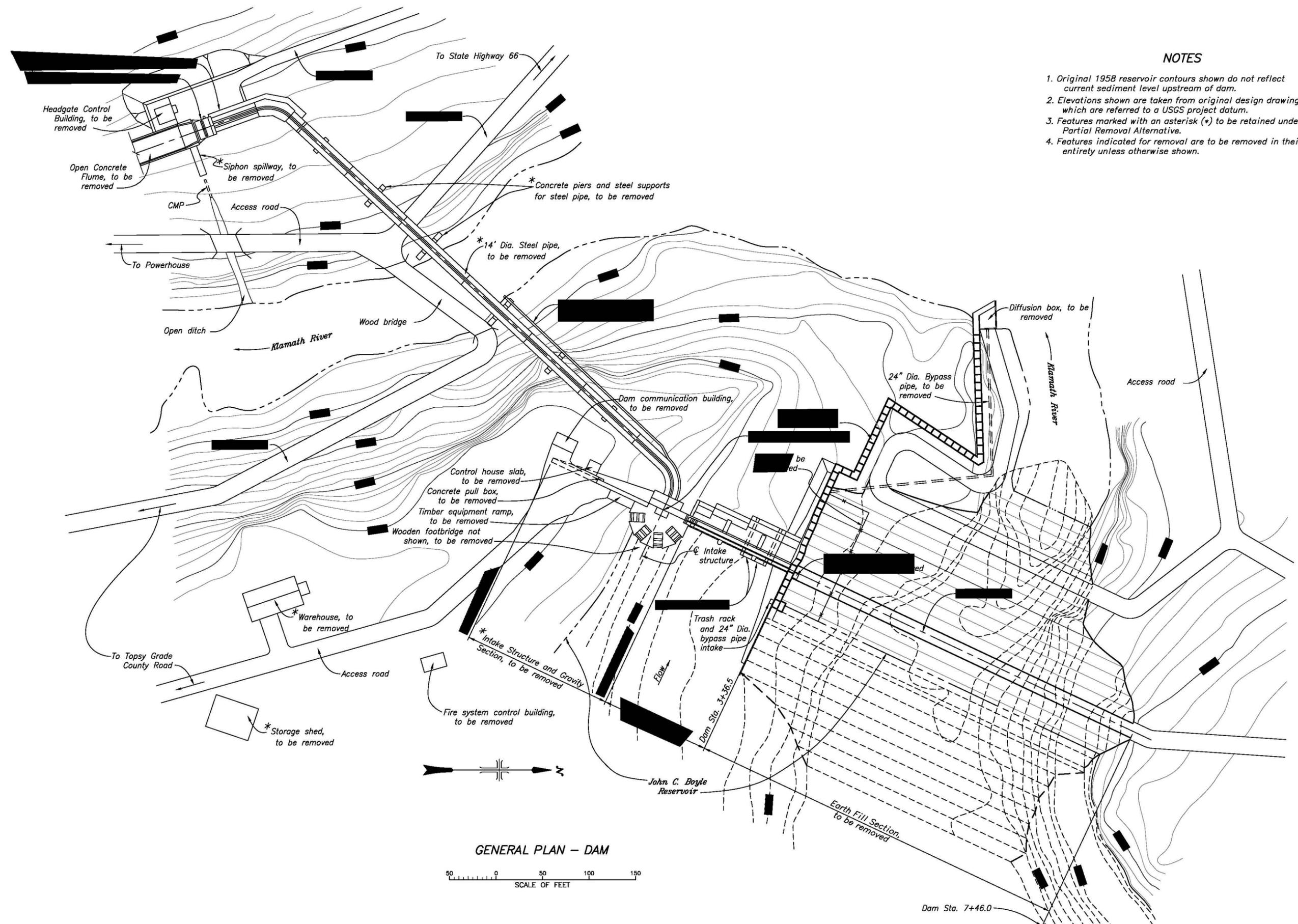
DESIGNED BY R. D. Benik, P.E.
REVIEWED BY Thomas E. Hepler, P.E.
WATERWAYS AND CONCRETE DAMS GROUP

DENVER, COLORADO June 15, 2011

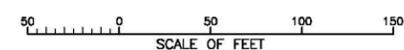
JC BOYLE DAM
LOCATION MAP

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.
WATERWAYS AND CONCRETE DAMS GROUP

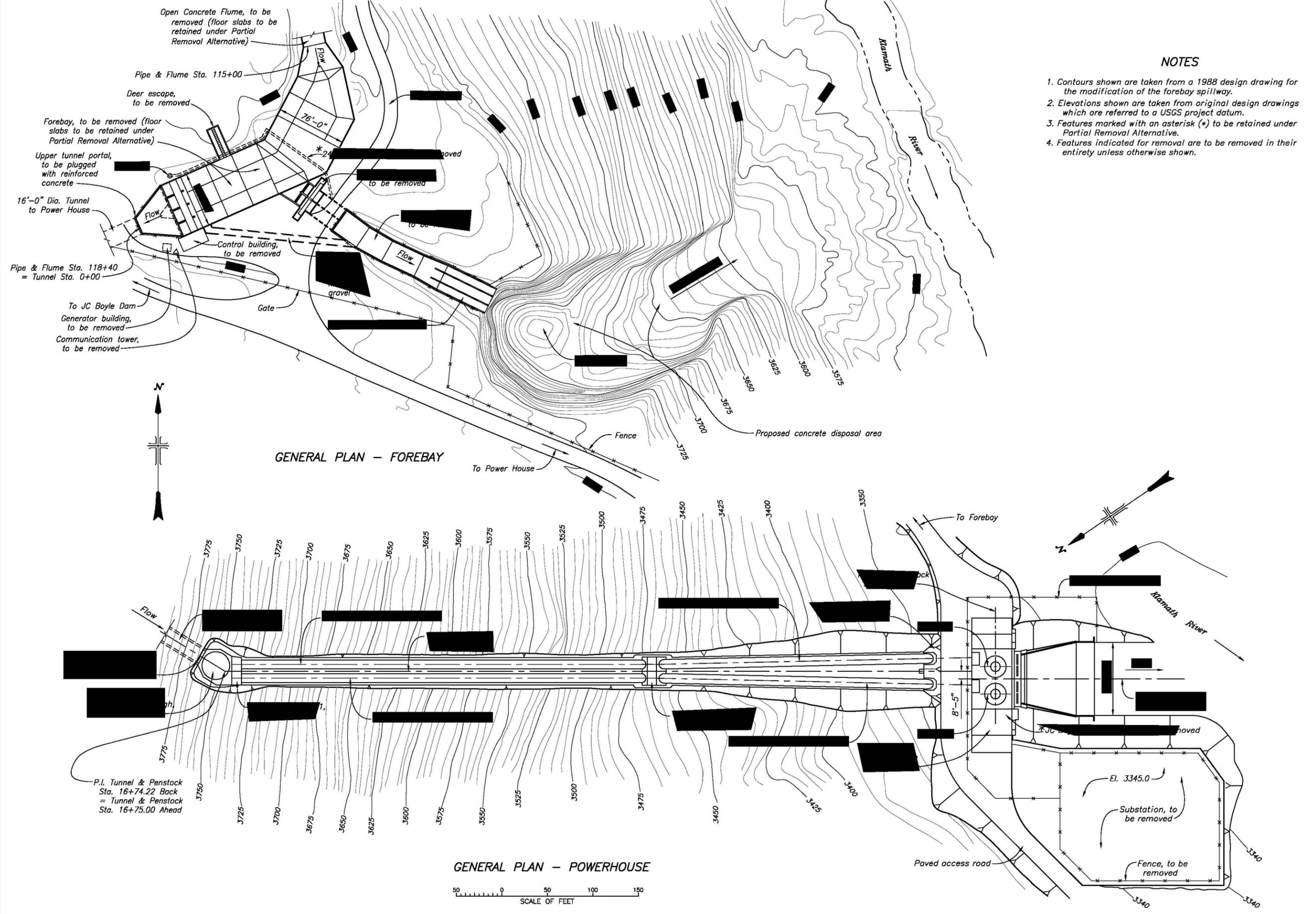
DENVER, COLORADO June 15, 2011

**JC BOYLE DAM
GENERAL PLAN**

Figure 2
SHEET 1 OF 1

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 - FOREBAY

GENERAL PLAN - POWERHOUSE

SCALE OF FEET
0 50 100 150

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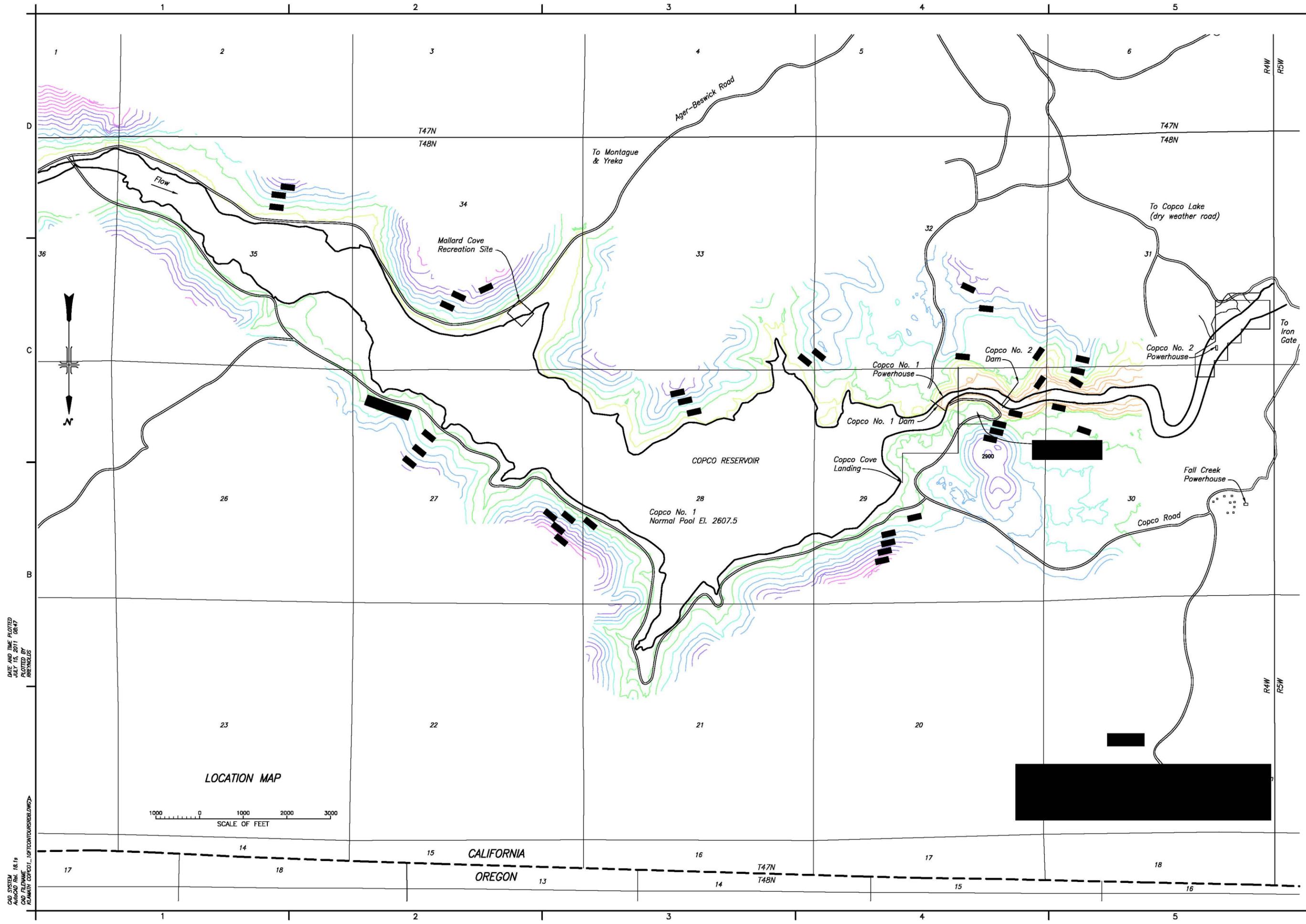
JC BOYLE DAM REMOVAL
FEASIBILITY STUDY
GENERAL PLANS - FOREBAY AND POWERHOUSE

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

DENVER, COLORADO June 15, 2011

JC BOYLE DAM
FOREBAY AND
POWERHOUSE

Figure 3
SHEET 1 OF 1



LOCATION MAP

SCALE OF FEET
0 1000 2000 3000

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JULY 15, 2011 08:17
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AREYNOLDS

CAD SYSTEM
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CAD FILENAME
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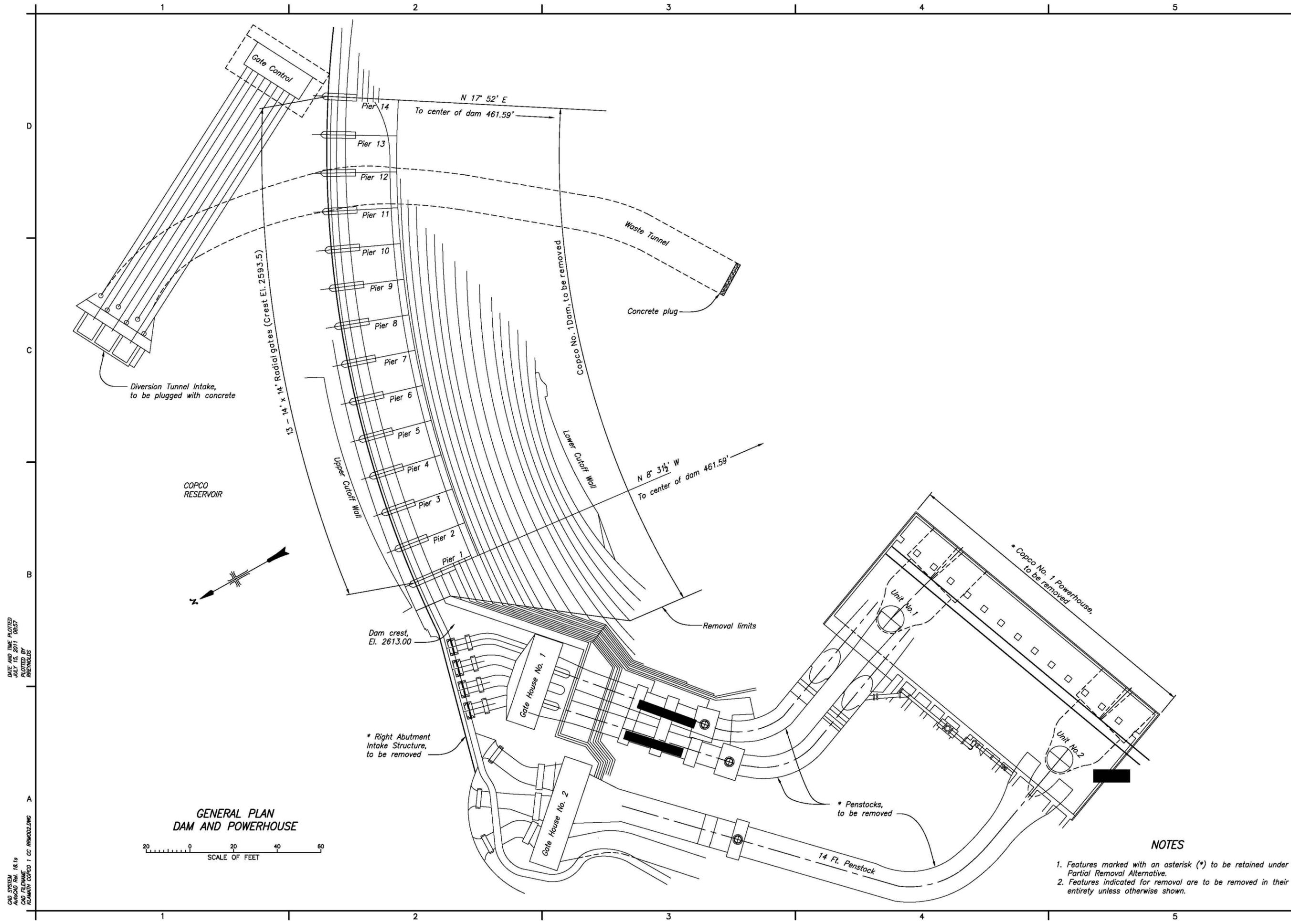
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KLAMATH RIVER DAMS PROJECT - OREGON, CALIFORNIA

COPCO No. 1 DAM REMOVAL
FEASIBILITY STUDY
LOCATION MAP

DESIGNED BY R.L. REYNOLDS, P.E.
REVIEWED BY THOMAS E. HEPLER, P.E.
WATERWAYS AND CONCRETE DAMS GROUP

DENVER, COLORADO June 15, 2011

COPCO No. 1 DAM
LOCATION MAP



GENERAL PLAN
DAM AND POWERHOUSE

SCALE OF FEET
0 20 40 60

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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REYNOLDS

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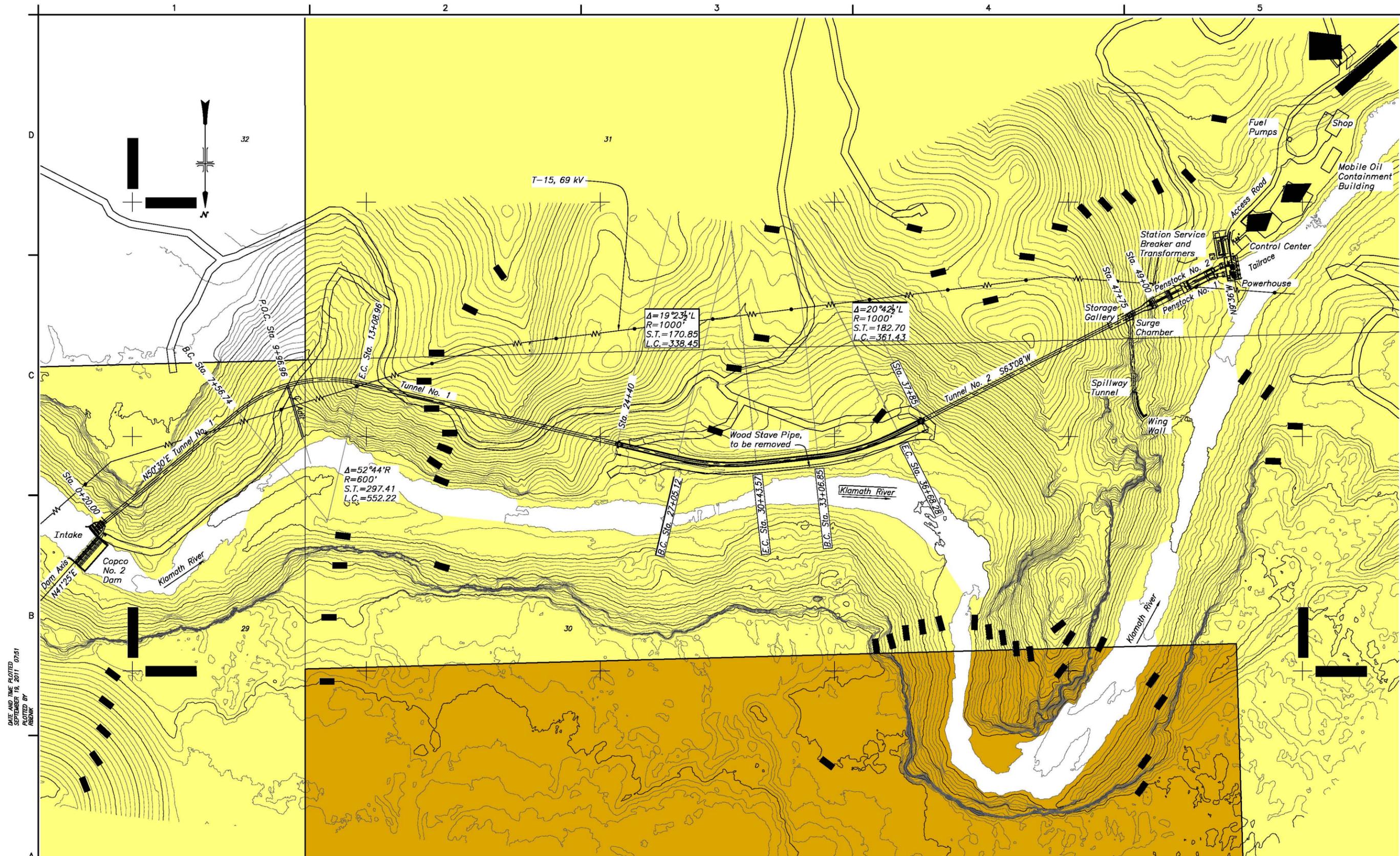
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KLAMATH RIVER DAMS PROJECT - OREGON, CALIFORNIA
**COPCO NO. 1 DAM REMOVAL
FEASIBILITY STUDY**
GENERAL PLAN - DAM AND POWERHOUSE

DESIGNED BY R.L. REYNOLDS, P.E.
REVIEWED BY THOMAS E. HEPLER, P.E.
WATERWAYS AND CONCRETE DAMS GROUP

DENVER, COLORADO June 15, 2011

COPCO NO. 1 DAM
PLAN

Figure 5
SHEET 1 OF 1



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SEPTEMBER 16, 2011 07:51
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ARBNK

CAD SYSTEM
LANDCAD 18.0a
CAD FILENAME
COPCO AUGUST.DWG

**GENERAL PLAN
DAM AND POWERHOUSE**

200 0 200 400 600
SCALE OF FEET

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 T48N R4W.

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

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KLAMATH RIVER DAMS PROJECT - OREGON, CALIFORNIA

COPCO NO. 2 DAM REMOVAL

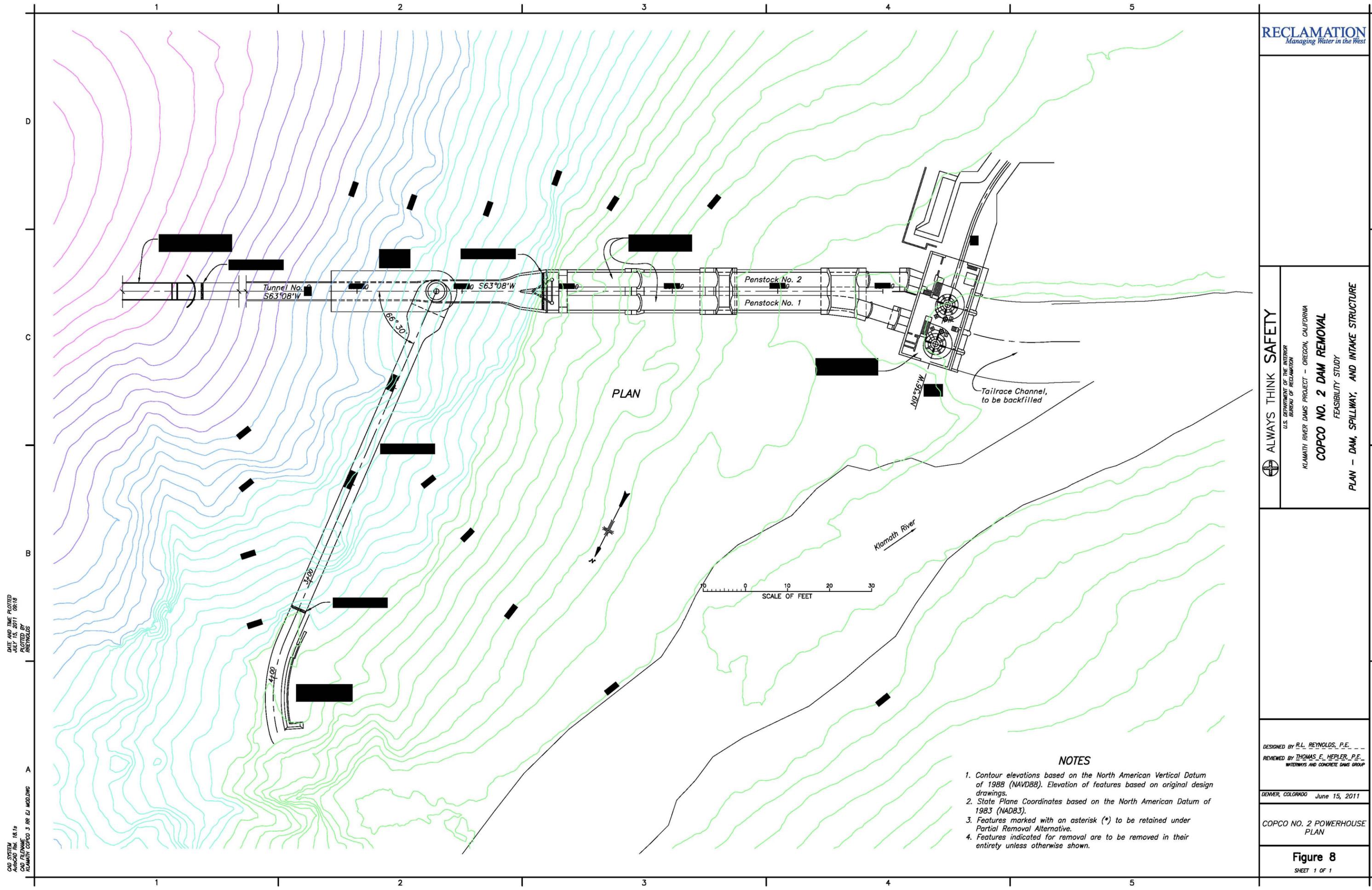
FEASIBILITY STUDY
GENERAL PLAN

DESIGNED BY R.L. REYNOLDS, P.E.
REVIEWED BY THOMAS E. HEPLER, P.E.
WATERWAYS AND CONCRETE DAMS GROUP

DENVER, COLORADO June 15, 2011

COPCO NO. 2 DAM
GENERAL PLAN

Figure 6
SHEET 1 OF 1



DATE AND TIME PLOTTED
JULY 15, 2011 08:10
PLOTTED BY
AREYNOLDS

CAD SYSTEM
ARC/INFO
CAD FILENAME
Klamath COPCO 3 RR EJ MOD.DWG

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. 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

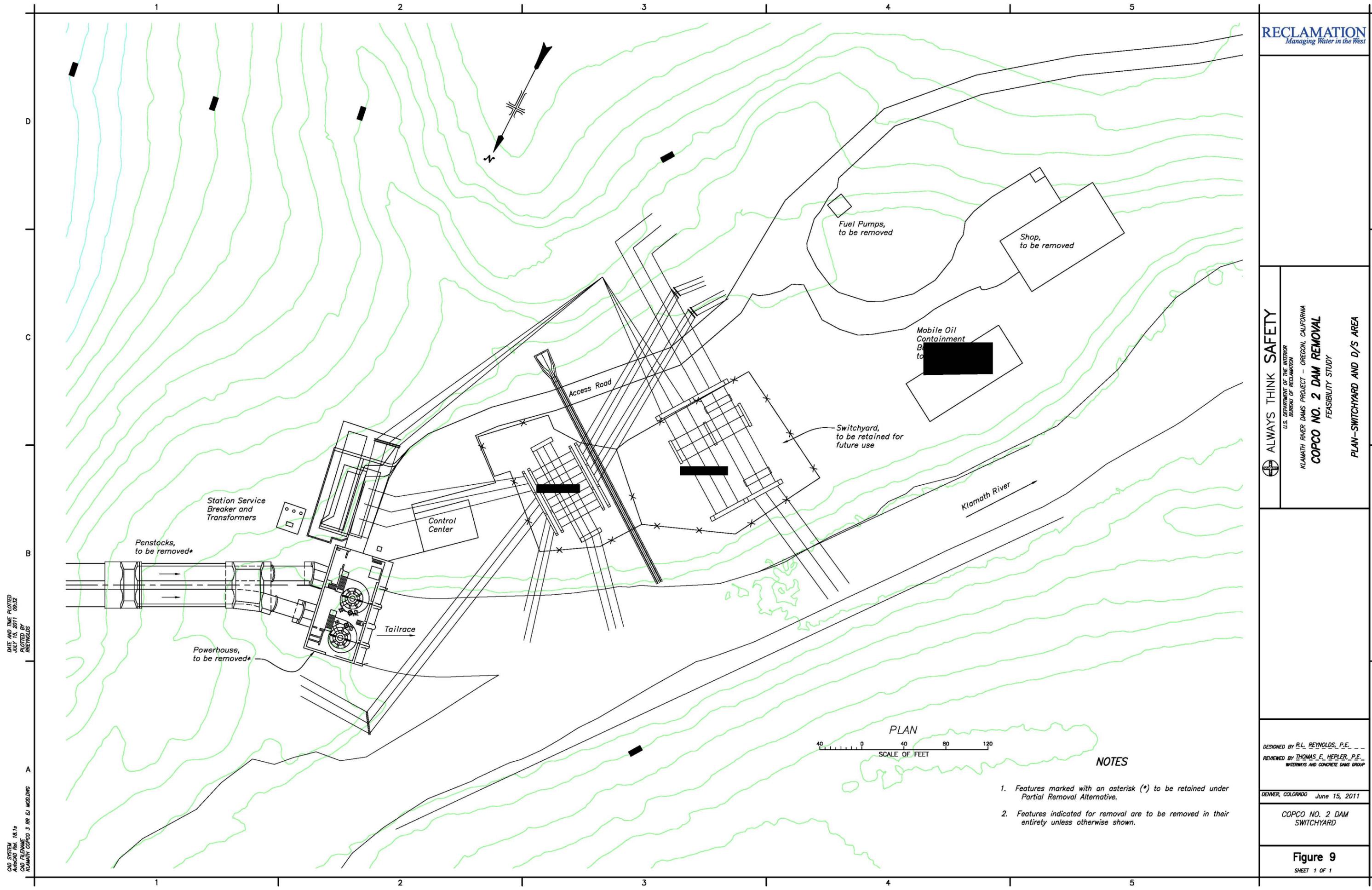
PLAN - DAM, SPILLWAY, AND INTAKE STRUCTURE

DESIGNED BY R.L. REYNOLDS, P.E.
REVIEWED BY THOMAS E. HEPLER, P.E.
WATERWAYS AND CONCRETE DAMS GROUP

DENVER, COLORADO June 15, 2011

COPCO NO. 2 POWERHOUSE
PLAN

Figure 8
SHEET 1 OF 1



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 PLOTTED BY: AREYNOLDS
 CAD SYSTEM: MICROSOFT
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 KLAMATH RIVER DAMS PROJECT - OREGON, CALIFORNIA
COPCO NO. 2 DAM REMOVAL
 FEASIBILITY STUDY
 PLAN-SWITCHYARD AND D/S AREA

DESIGNED BY: R.L. REYNOLDS, P.E.
 REVIEWED BY: THOMAS E. HEPLER, P.E.
 WATERWAYS AND CONCRETE DAMS GROUP

DENVER, COLORADO June 15, 2011

COPCO NO. 2 DAM SWITCHYARD

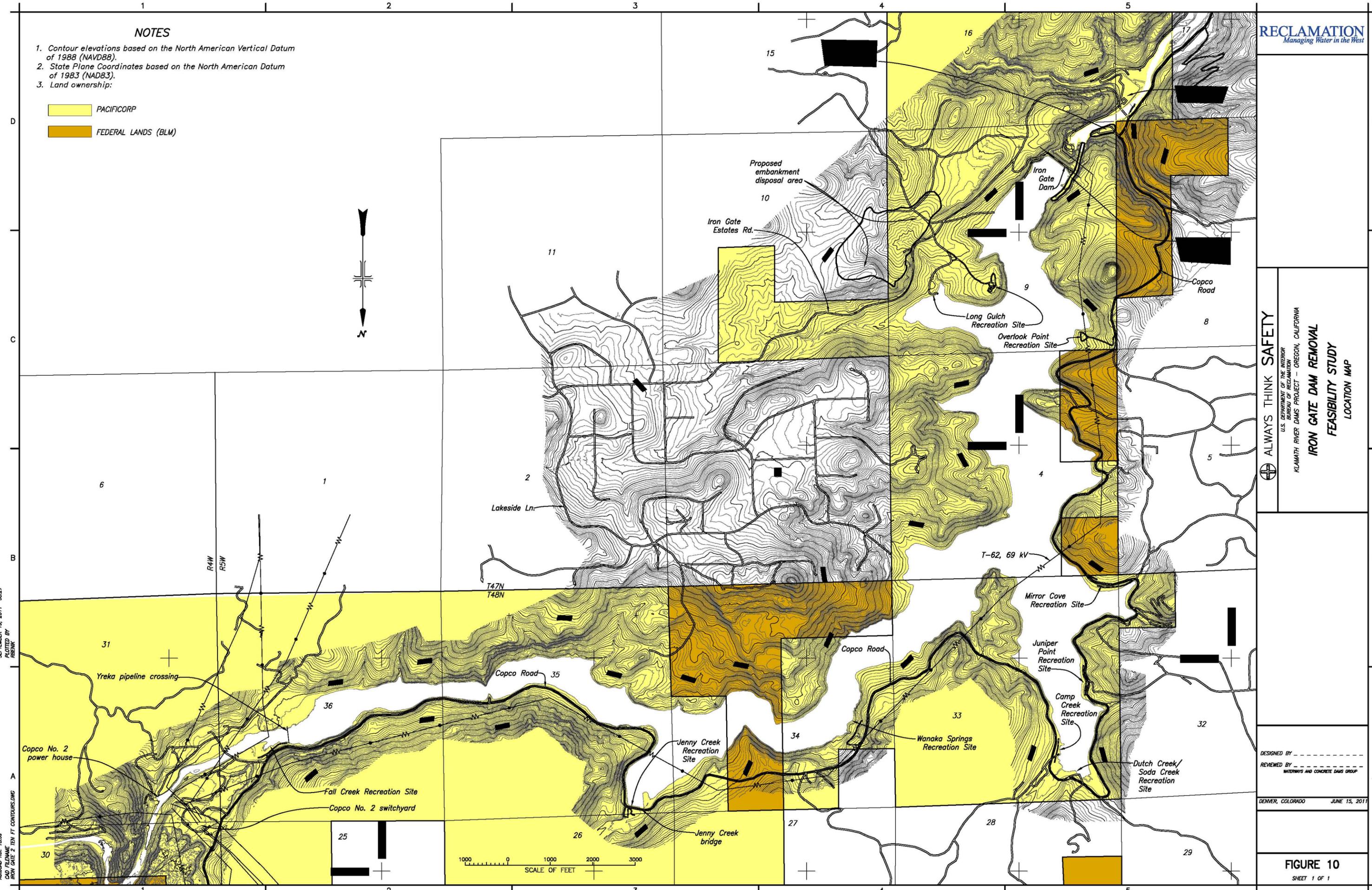
Figure 9
 SHEET 1 OF 1

- 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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 KLAMATH RIVER DAMS PROJECT - OREGON, CALIFORNIA
IRON GATE DAM REMOVAL
 FEASIBILITY STUDY
 LOCATION MAP

DATE AND TIME PLOTTED:
 SEPTEMBER 16, 2011 08:27
 PLOTTED BY:
 RBENK

CAD SYSTEM:
 AUCAD 18.0a
 CAD FILENAME:
 IRON GATE 2 TEN FT CONTOURS.DWG

DESIGNED BY _____
 REVIEWED BY _____
 WATERWAYS AND CONCRETE DAMS GROUP
 DENVER, COLORADO JUNE 15, 2011

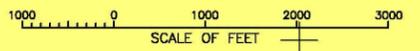
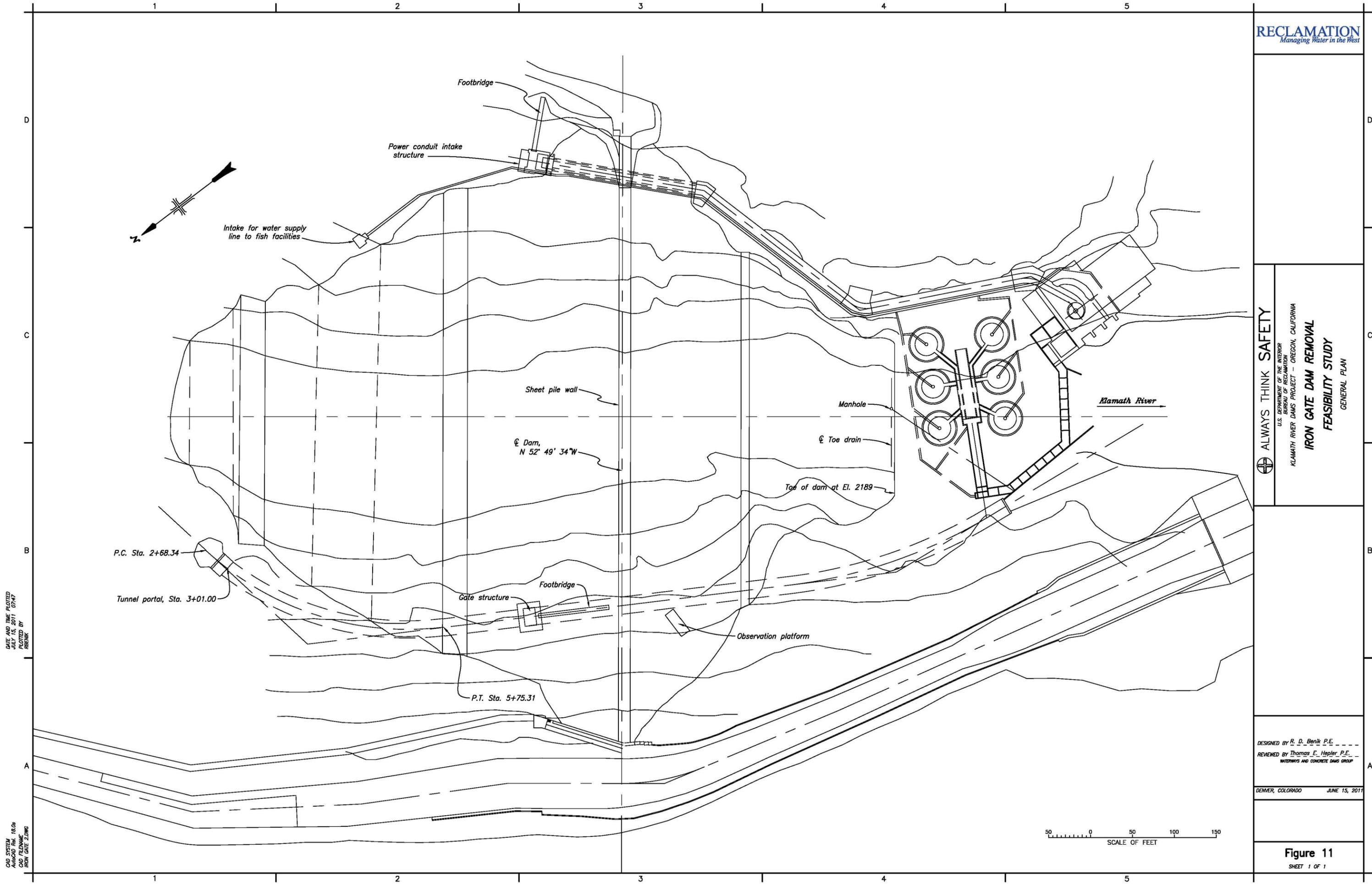


FIGURE 10
SHEET 1 OF 1



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

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

DENVER, COLORADO JUNE 15, 2011

Figure 11
SHEET 1 OF 1