

DRAFT

Plates

Engineering Summary Appendix

Shasta Lake Water Resources Investigation, California

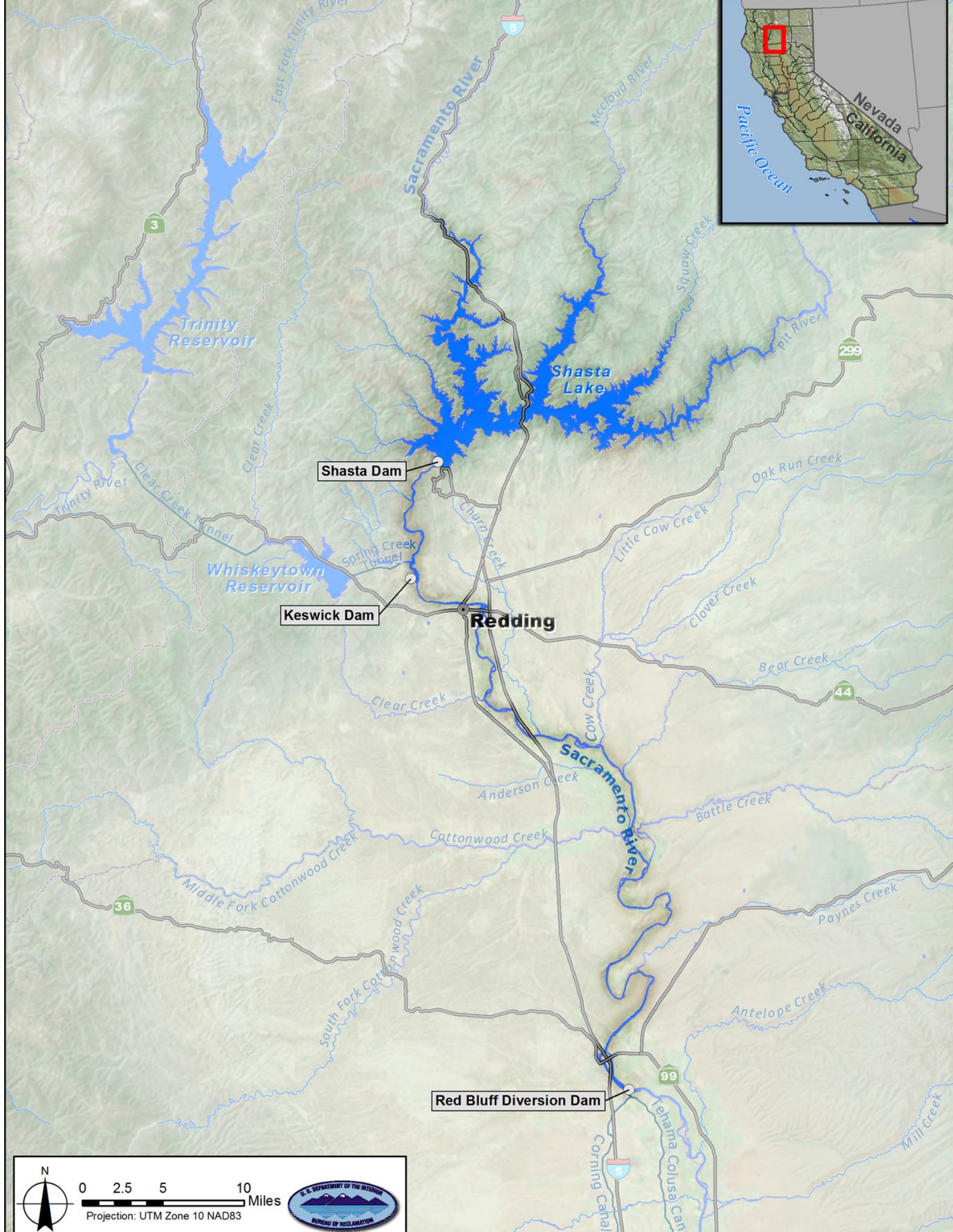
Prepared by:

**U. S. Department of the Interior
Bureau of Reclamation
Mid-Pacific Region**



**U.S. Department of the Interior
Bureau of Reclamation**

November 2011



N

0 2.5 5 10 Miles

Projection: UTM Zone 10 NAD83



U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION

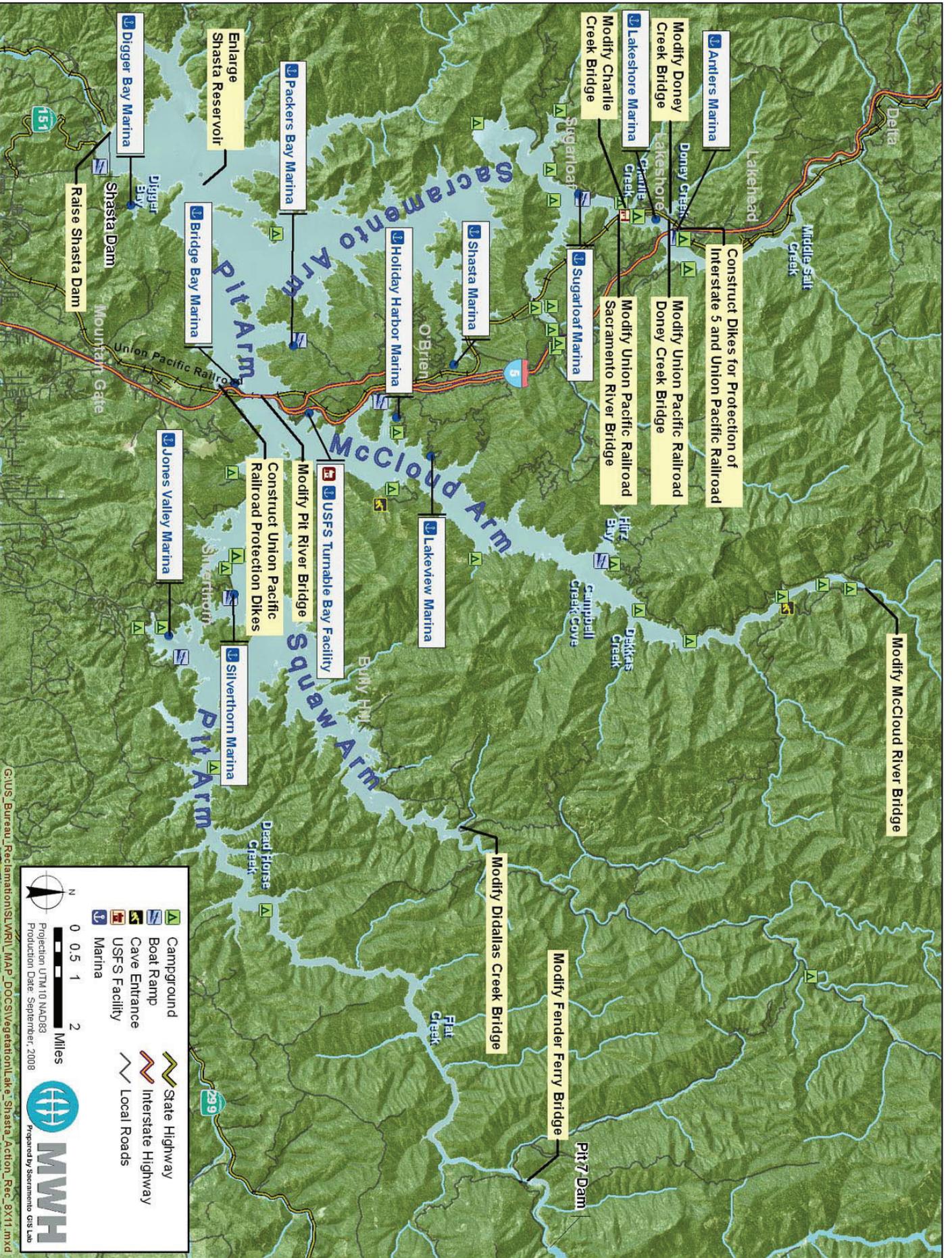
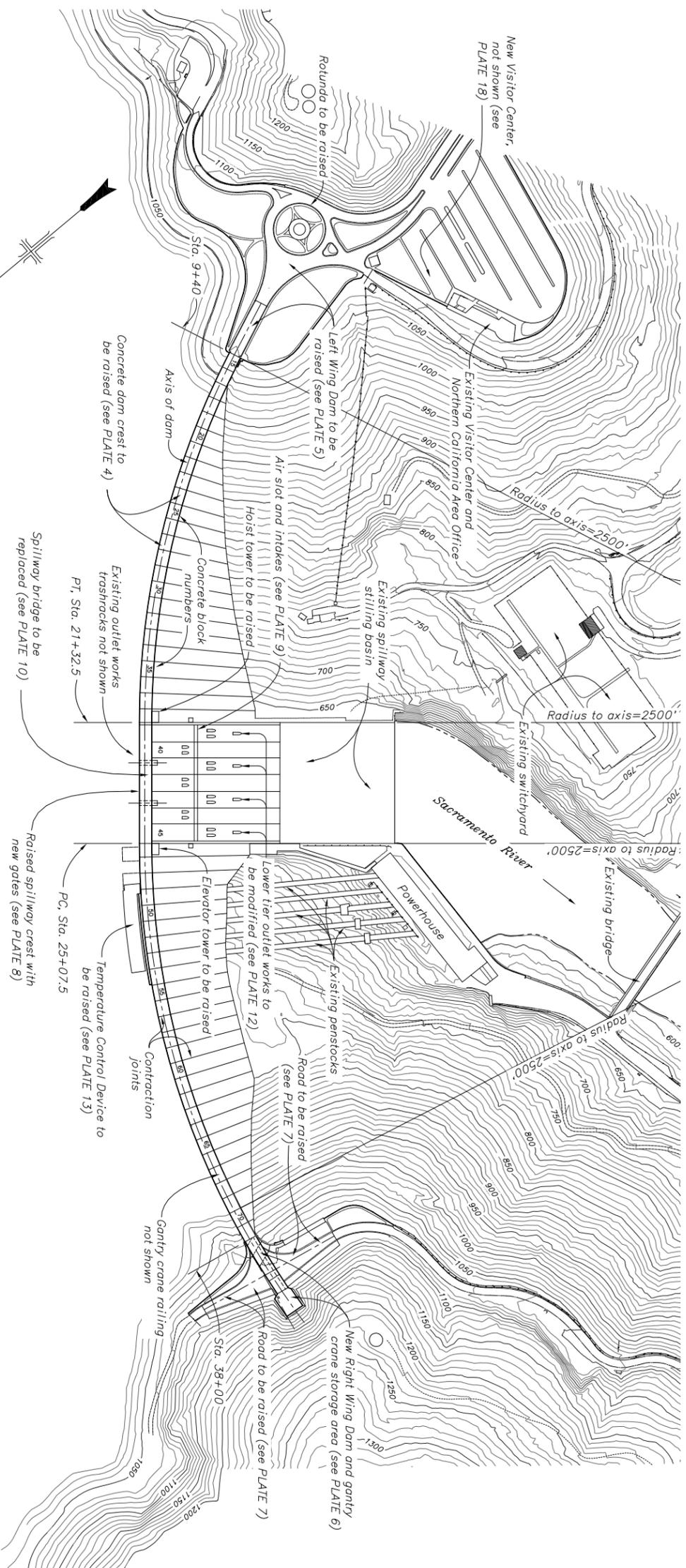


PLATE 2



GENERAL PLAN
SCALE OF FEET
0 200 400 600

NOTES

1. NAVD88 – North American Vertical Datum of 1988 used in the feasibility design.
2. NGVD29 – National Geodetic Vertical Datum of 1929 "local" datum referenced on many existing drawings.
3. Vertical Datum equation: NAVD88 elevation = NGVD29 elevation + 2.664 feet.
4. Debris boom not shown, see PLATE 17

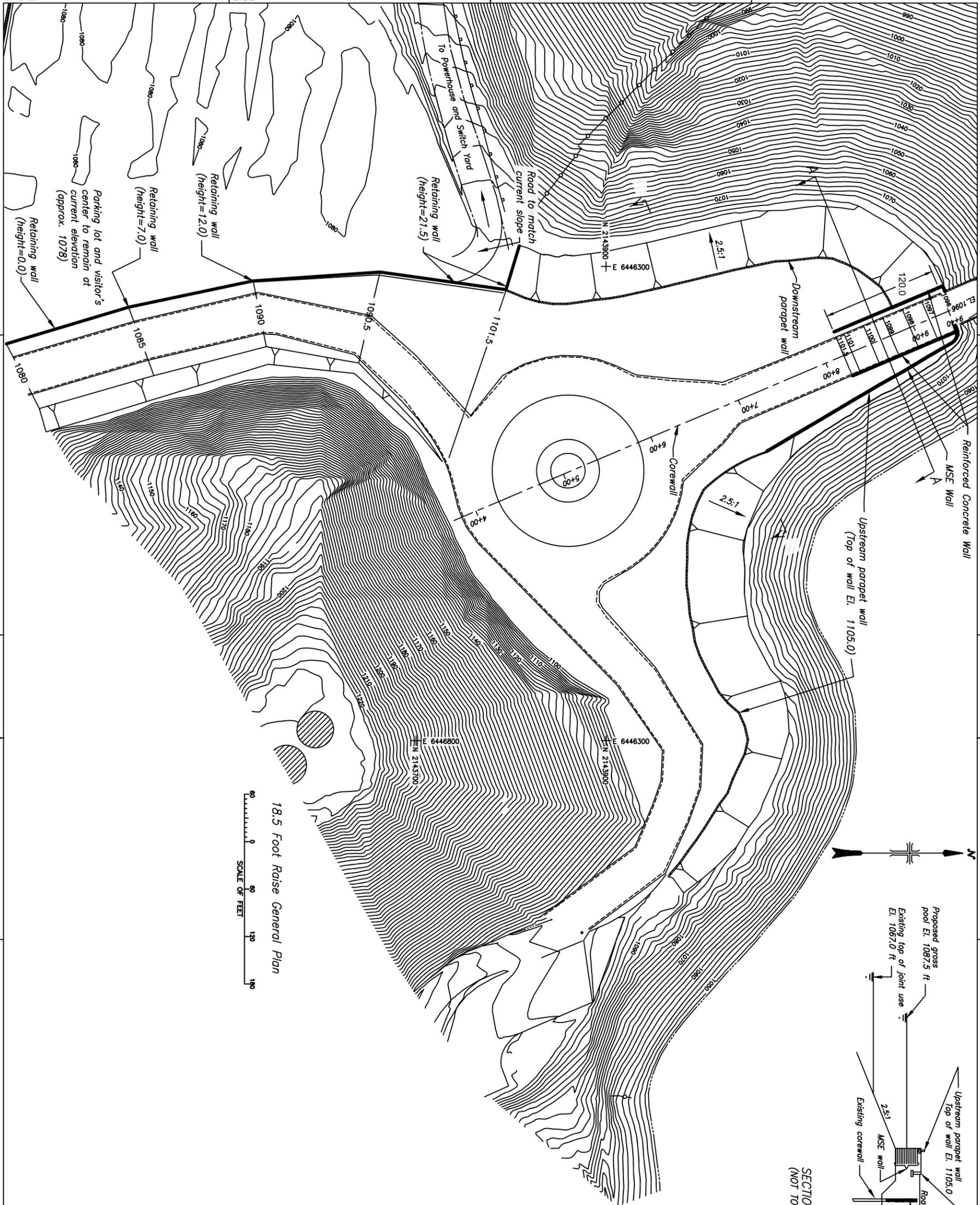
ALWAYS THINK SAFETY

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
CENTRAL VALLEY PROJECT – CALIFORNIA
KENNETT DIVISION
SHASTA DAM FEASIBILITY
18.5 FT. DAM RAISE
GENERAL PLAN

PREPARED BY J. LABRON
REVIEWED BY I. HEPLER

CAD SYSTEM
AUTOCAD
CAD FILENAME
HIGH OPTION

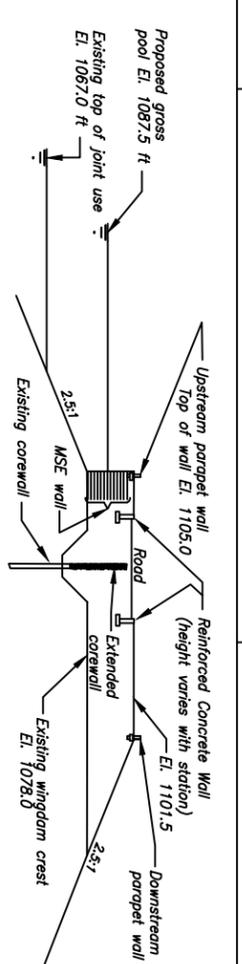
DATE AND TIME PLOTTED
PRELIMINARY DESIGN - LEFT WING DAM
PLOTTED BY
LWALKER



18.5 Foot Raise General Plan
SCALE OF FEET
0 90 180



SECTION A-A
(NOT TO SCALE)



- NOTES
1. Elevations are NGVD29. (To convert to NAVD88, add 2.2 ft)
 2. MSE = Mechanically stabilized earth.
 3. Left wing dam raised 23.5 feet to El. 1101.5, requiring 120-foot ramped section beginning at El. 1096 at STA 9+40.
 4. Proposed top of joint use pool El. 1087.5.
 5. Upstream MSE wall extends from STA 9+40 to about STA 7+20.

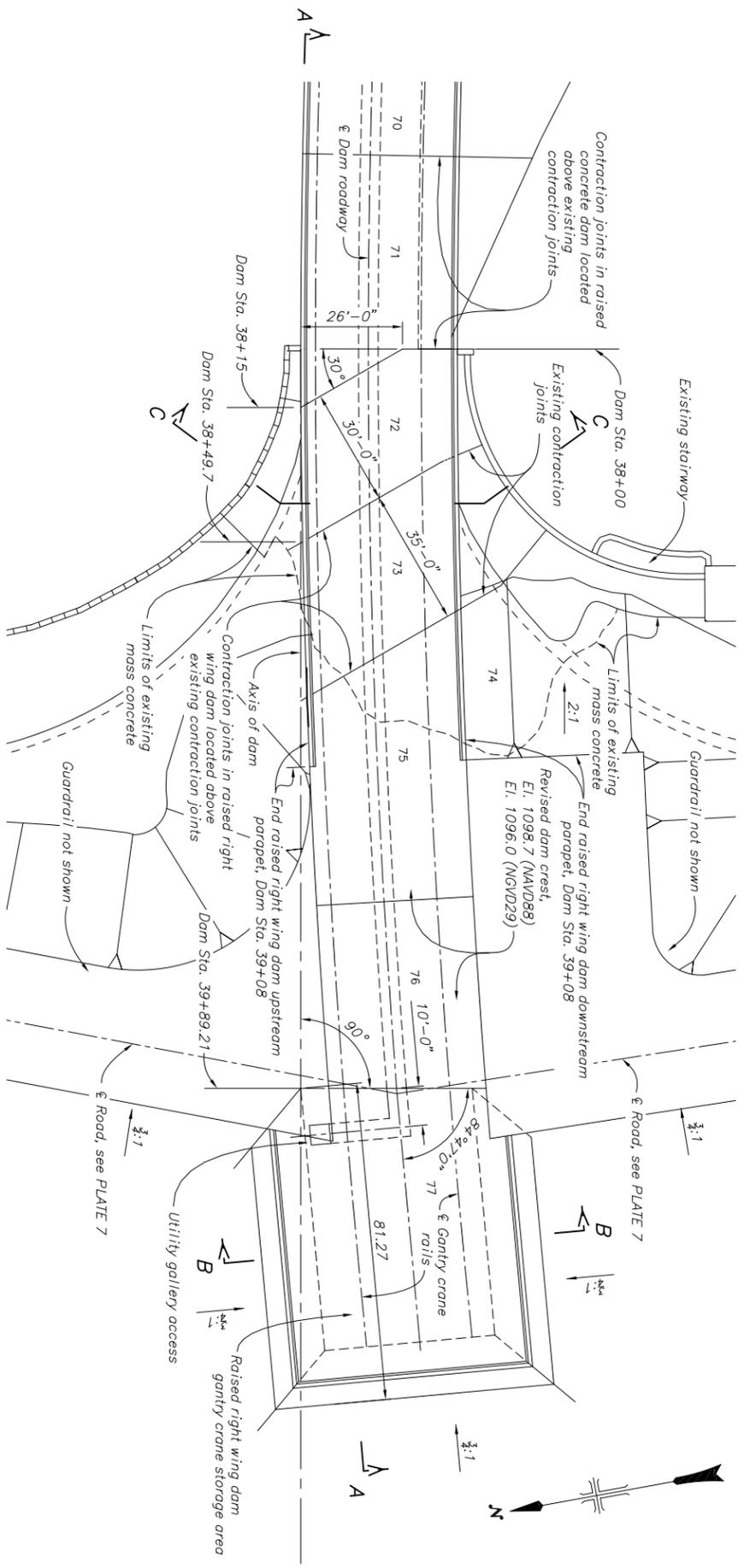
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U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
CENTRAL VALLEY PROJECT - CALIFORNIA
KENNETH DUNSON
SHASTA DAM FEASIBILITY
18.5 FOOT RAISE
LEFT WING EMBANKMENT DAM
GENERAL PLAN AND SECTION

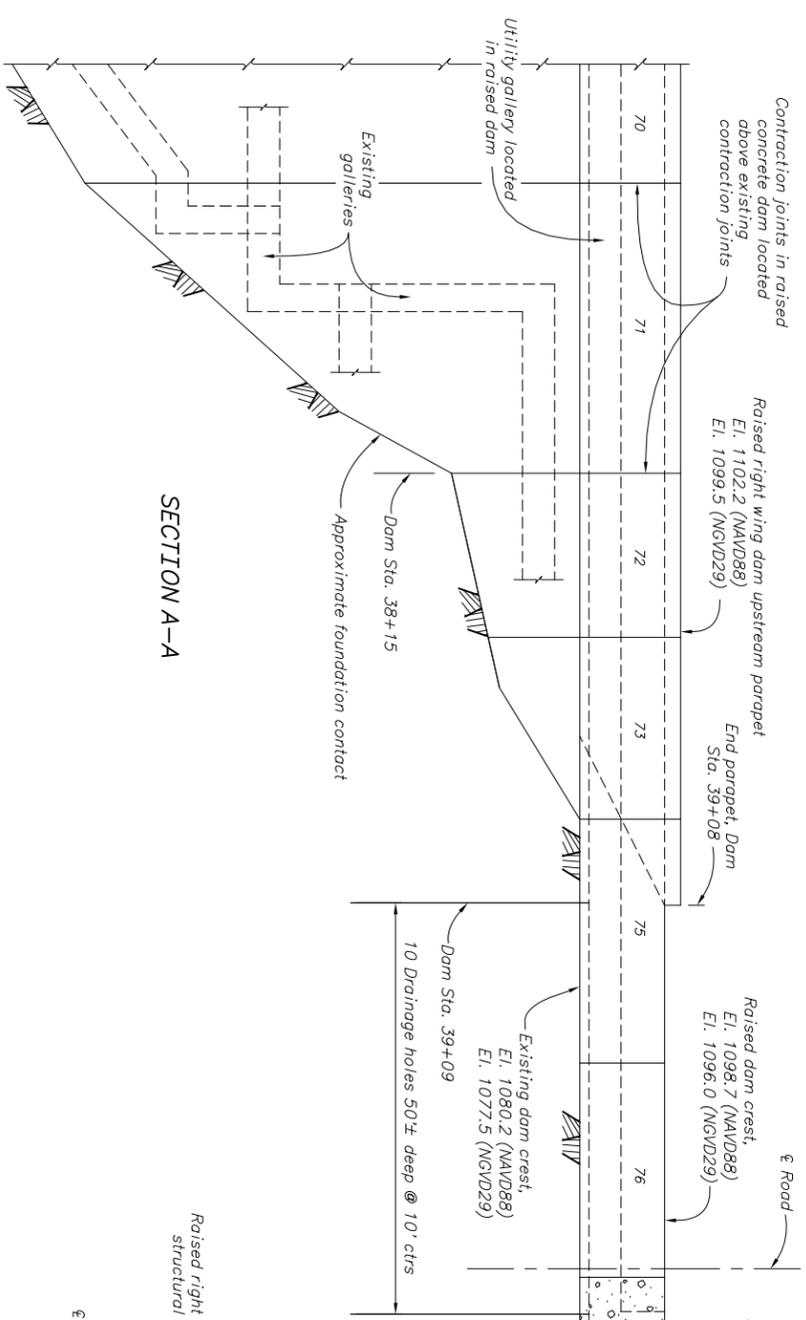
PREPARED BY Chris Steinkamp
REVIEWED BY Left Dam, P.E.

SHEET 1 OF 1

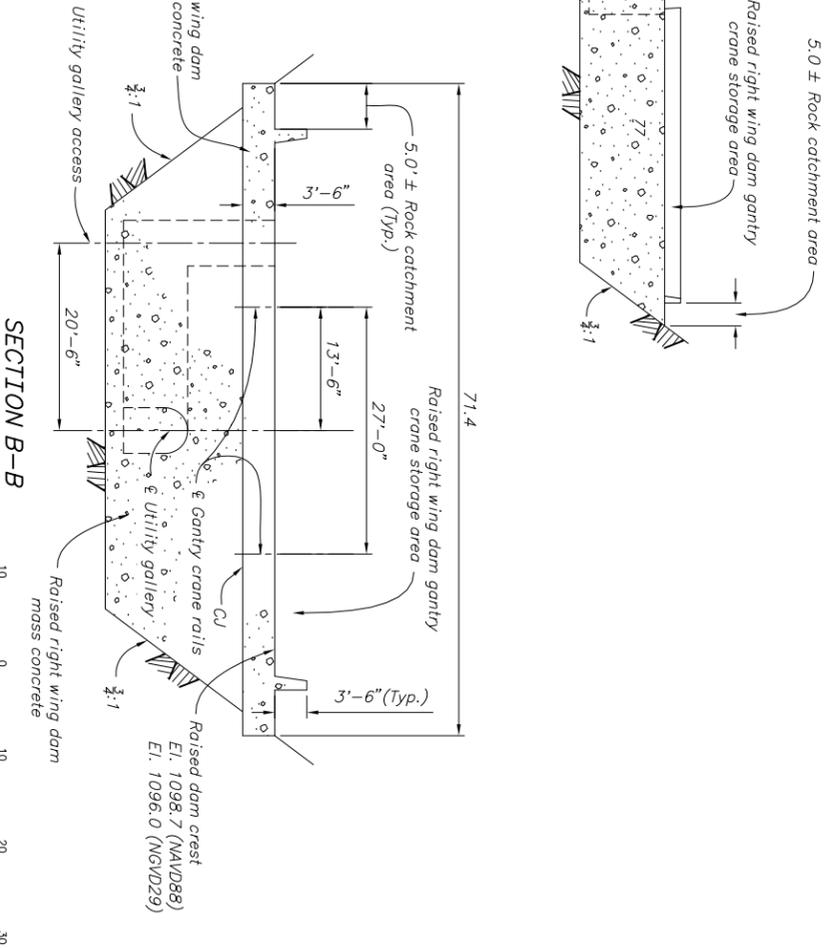
PLATE 5



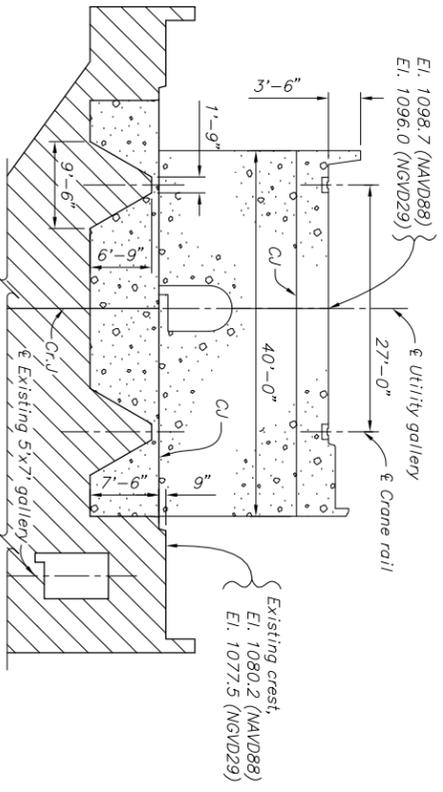
PLAN



SECTION A-A



SECTION B-B



SECTION C-C

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ALWAYS THINK SAFETY

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
CENTRAL VALLEY PROJECT – CALIFORNIA
KENNETH DIVISION
SHASTA DAM FEASIBILITY
18.5 FT. DAM RAISE
RIGHT WING DAM – PLAN AND SECTIONS

PREPARED BY: J. LABRON
REVIEWED BY: L. HEPLER