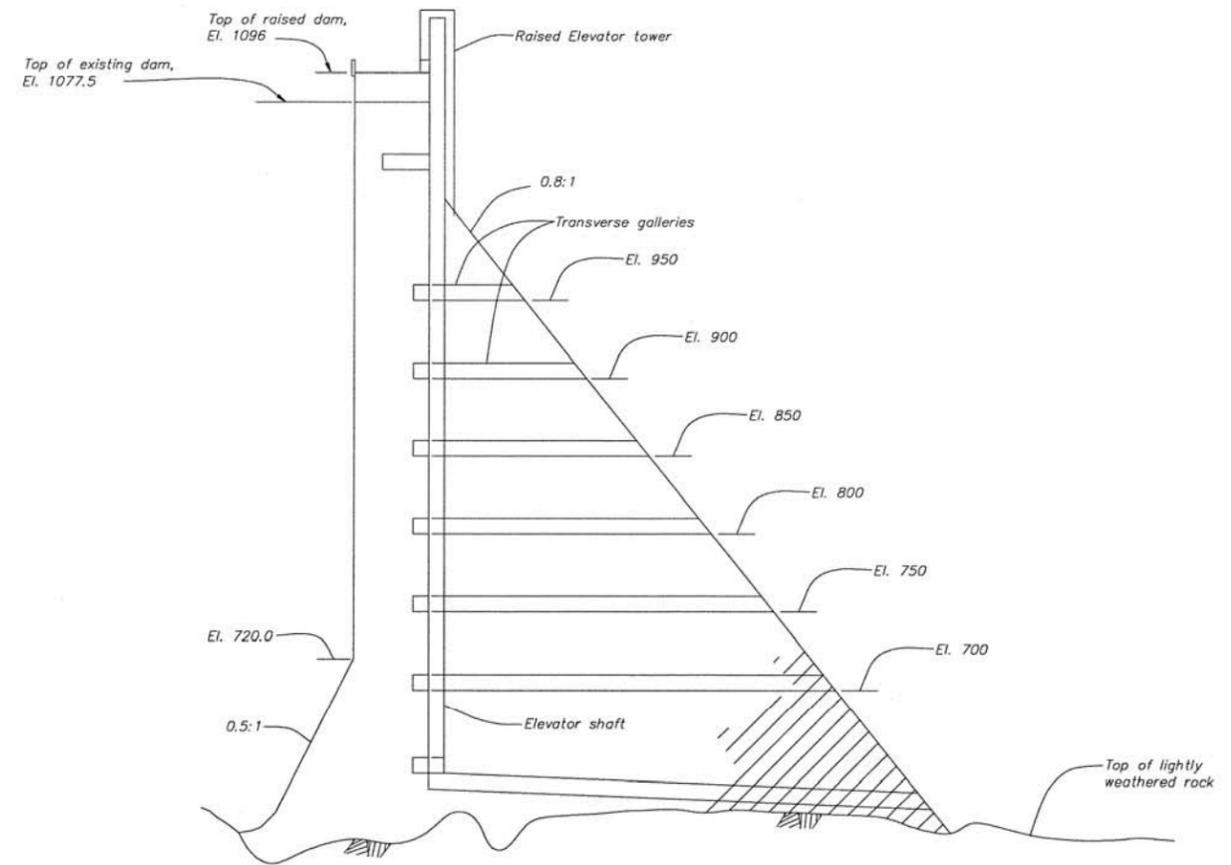
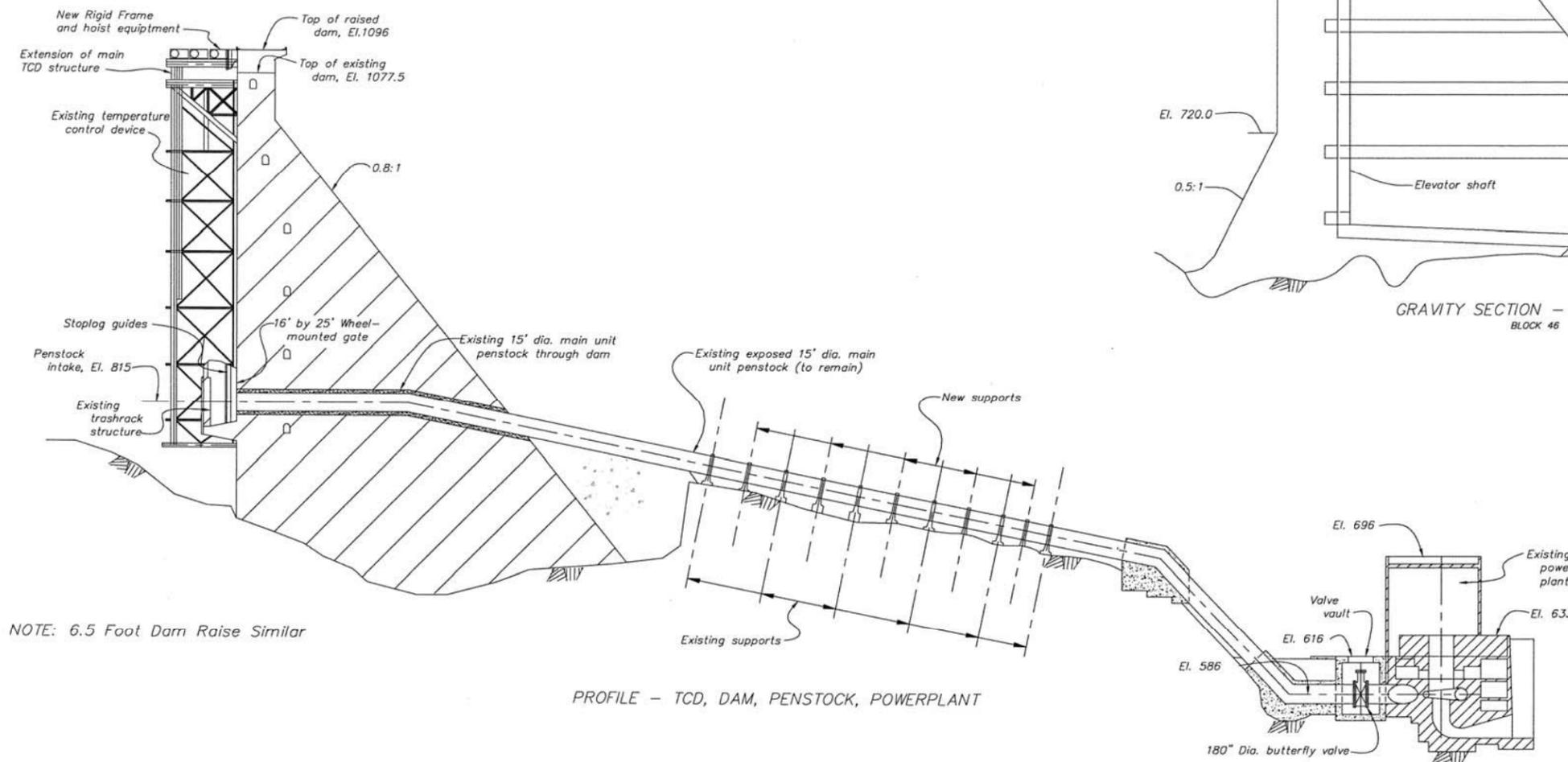


TYPICAL SECTION THRU WING DAMS



GRAVITY SECTION - STA. 25 + 25  
BLOCK 46



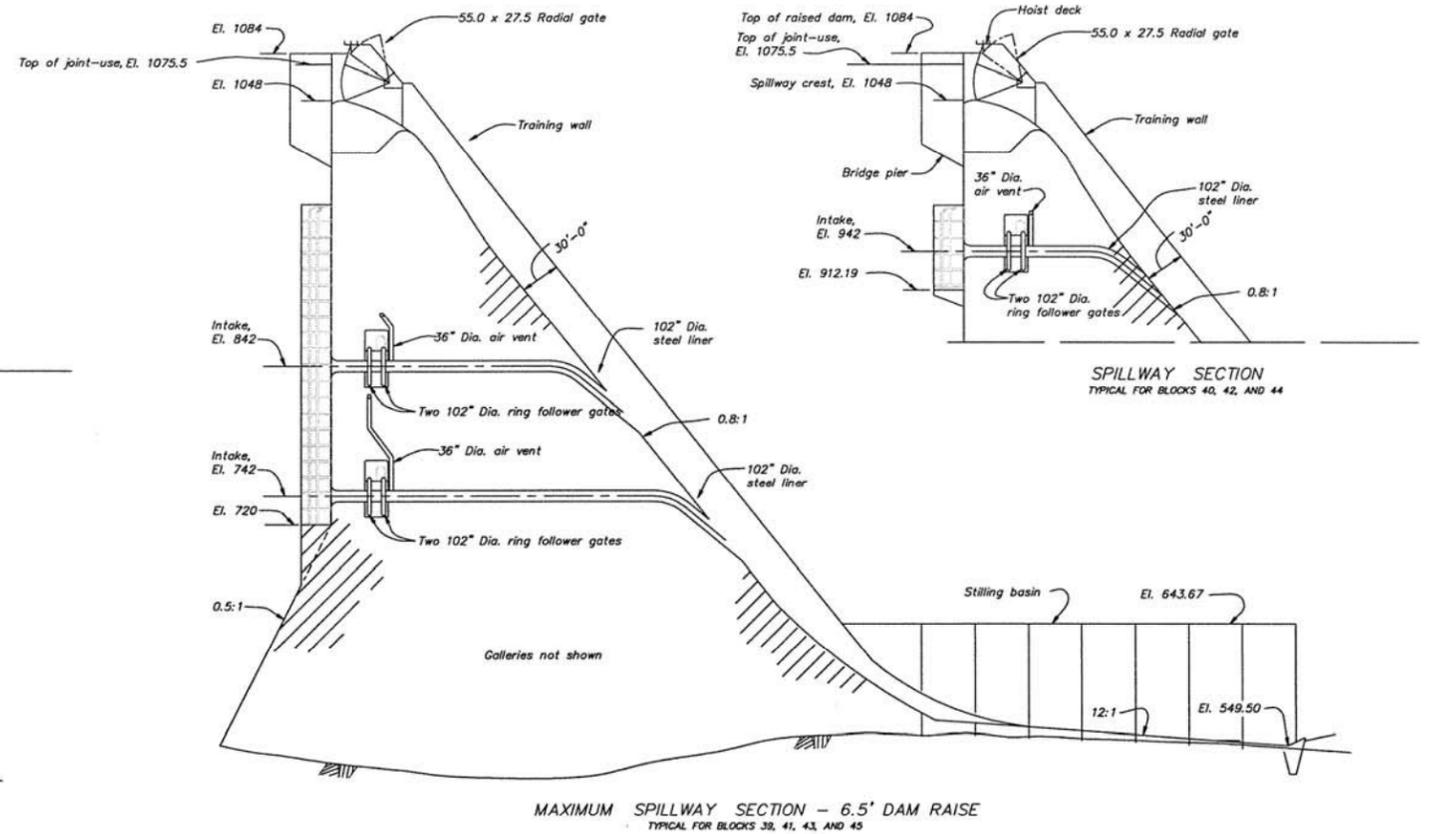
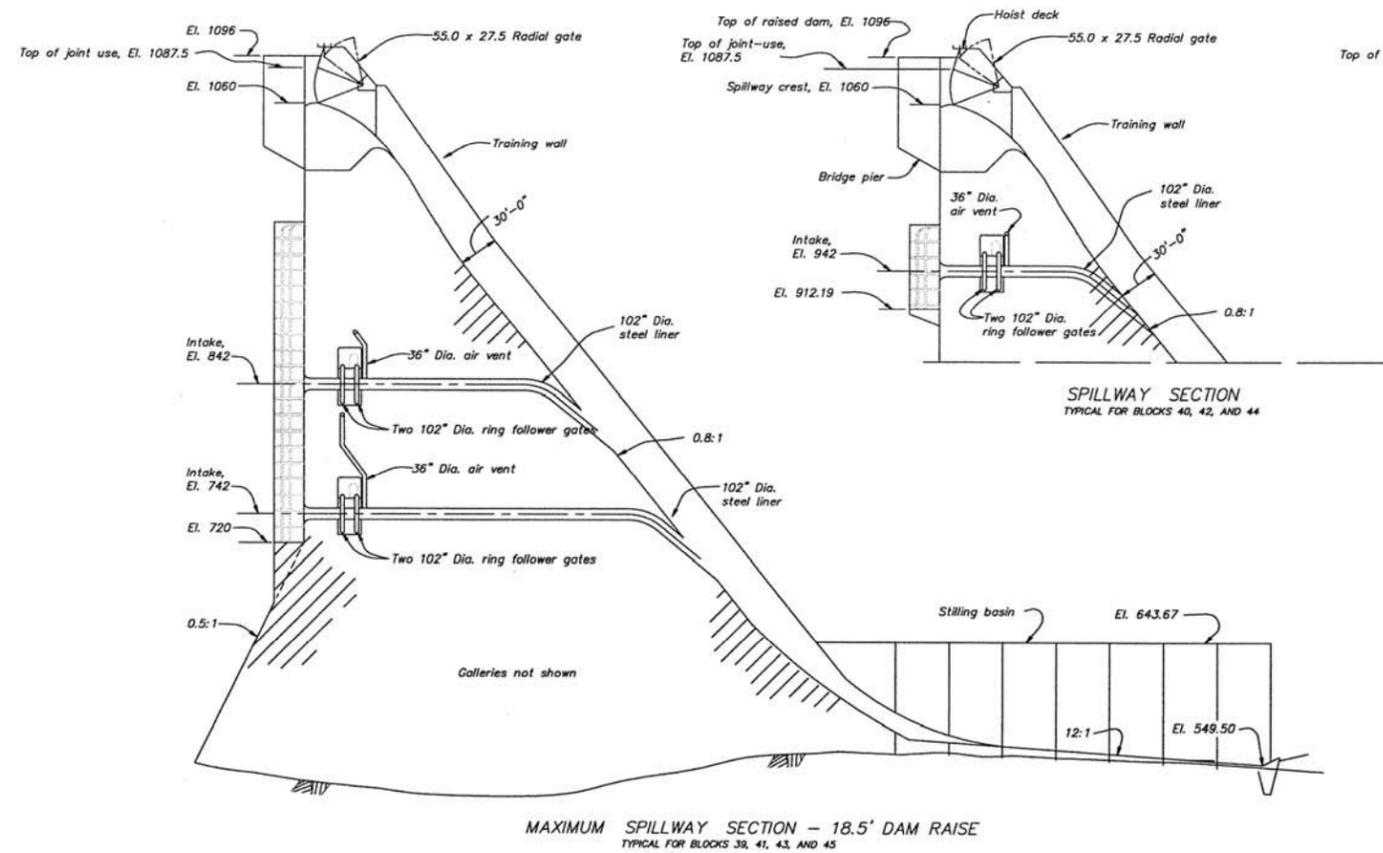
NOTE: 6.5 Foot Dam Raise Similar

PROFILE - TCD, DAM, PENSTOCK, POWERPLANT

Shasta Lake Water Resources Investigation,  
California

PRELIMINARY DESIGN -  
DAM CREST, WING DAMS,  
AND TCD SECTIONS  
(18.5-FOOT RAISE)

U.S. Bureau of Reclamation, Mid-Pacific Region  
June 2004

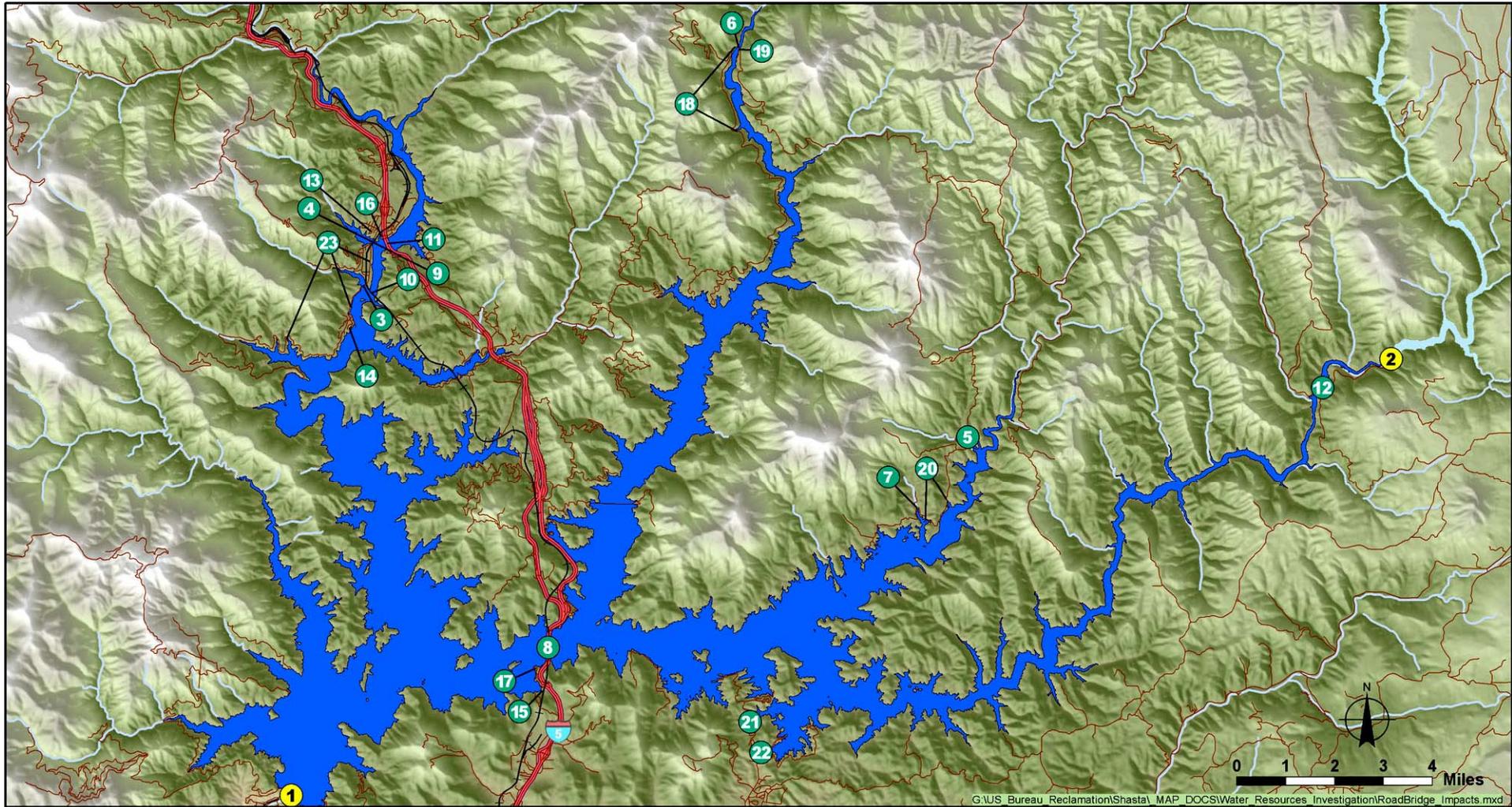


NOTE: Further Design Needed to Ensure  
Maintenance of Ogee Shape for  
Raised Spillway

Shasta Lake Water Resources Investigation,  
California

**PRELIMINARY DESIGN -  
SPILLWAY SECTIONS  
(6.5- AND 18.5-FOOT RAISES)**

U.S. Bureau of Reclamation, Mid-Pacific Region  
June 2004

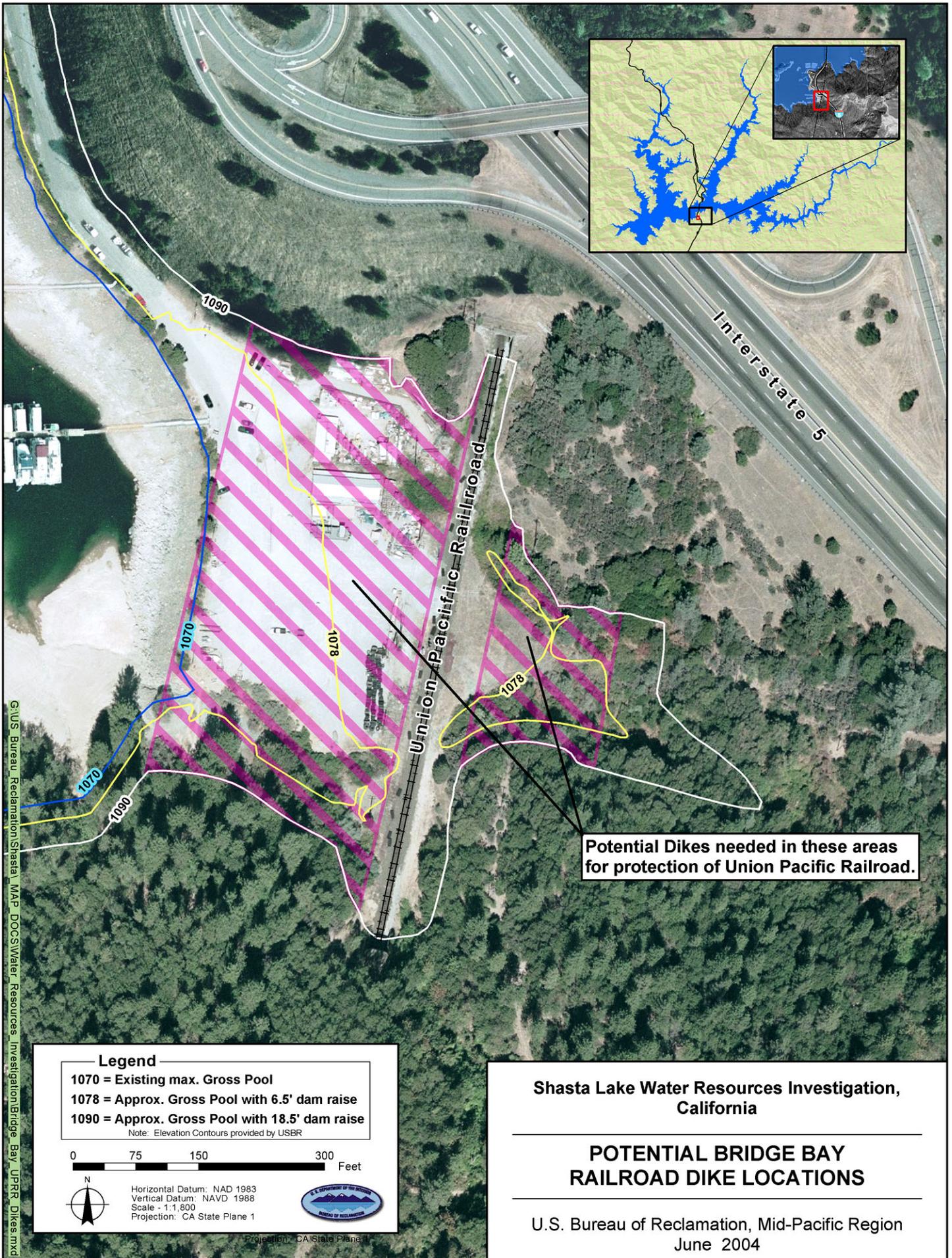


ID	Impacted Feature Name	ID	Impacted Feature Name
1	Shasta Dam	13	Lakeshore Area Buildings
2	Pit 7 Dam	14	Sugarloaf Area Buildings
3	Charlie Creek Bridge	15	Bridge Bay Railroad Dike
4	Doney Creek Bridge	16	Lakeshore Area Dike
5	Didallas Creek Bridge	17	Bridge Bay Marina
6	McCloud River Bridge	18	Gilman Road
7	Second Creek Bridge	19	Fenders Ferry Road
8	Pit River Bridge	20	Bully Hill Road
9	Doney Creek Railroad Bridge	21	Silverthorn Road
10	Sacramento River Railroad Bridge, 2nd Crossing	22	Jones Valley Road
11	Antlers Bridge	23	Lakeshore Drive
12	Fender Ferry Bridge (Pit River)		

**Shasta Lake Water Resources Investigation,  
California**

**DAM, RESERVOIR DIKE, AND  
RELOCATION AREAS**

U.S. Bureau of Reclamation, Mid-Pacific Region  
June 2004



GIS - Bureau Reclamation\Shasta\_MAP\_DOC\SWater\_Resources\_Inv\Investigation\Bridge\_Bay\_UPRR\_Dikes.mxd

**Legend**  
 1070 = Existing max. Gross Pool  
 1078 = Approx. Gross Pool with 6.5' dam raise  
 1090 = Approx. Gross Pool with 18.5' dam raise  
 Note: Elevation Contours provided by USBR

0 75 150 300 Feet



Horizontal Datum: NAD 1983  
 Vertical Datum: NAVD 1988  
 Scale - 1:1,800  
 Projection: CA State Plane 1

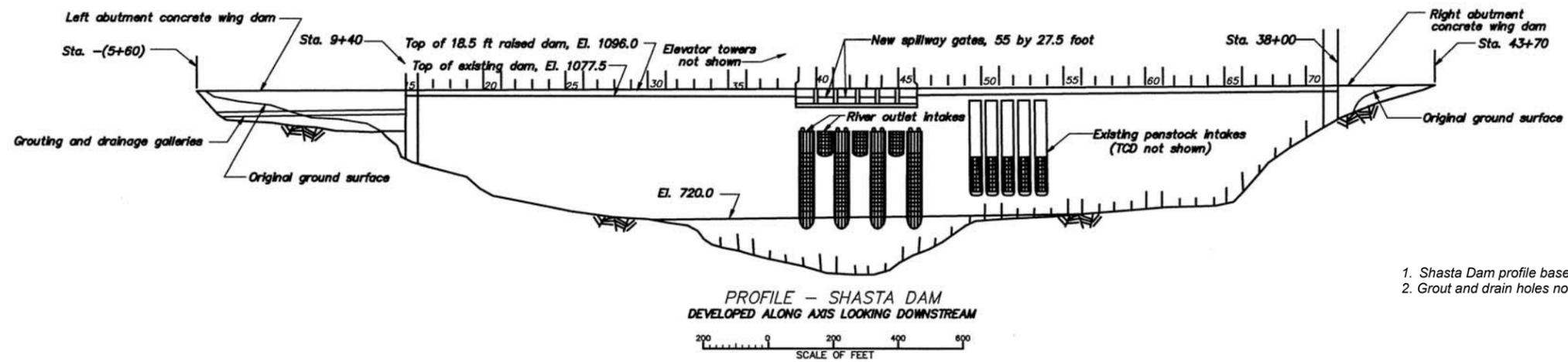


Projection: CA State Plane 1

**Shasta Lake Water Resources Investigation,  
 California**

**POTENTIAL BRIDGE BAY  
 RAILROAD DIKE LOCATIONS**

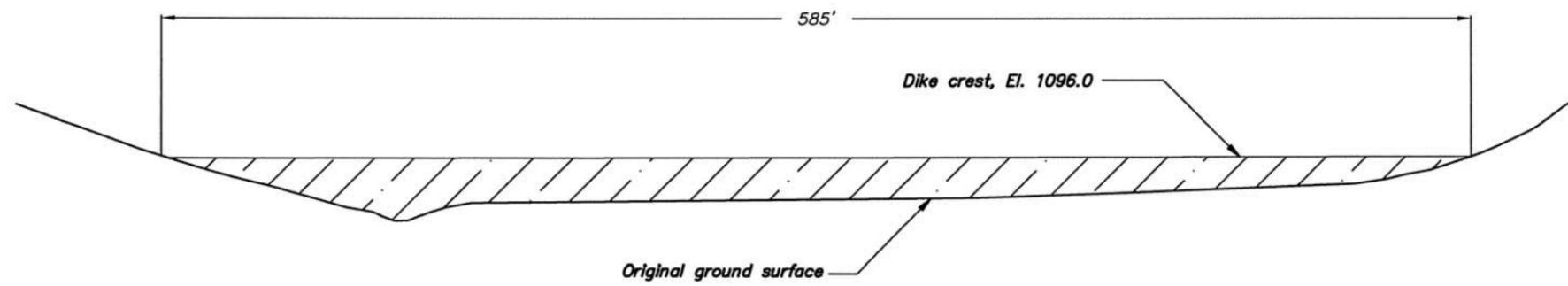
U.S. Bureau of Reclamation, Mid-Pacific Region  
 June 2004



PROFILE - SHASTA DAM  
DEVELOPED ALONG AXIS LOOKING DOWNSTREAM

NOTES

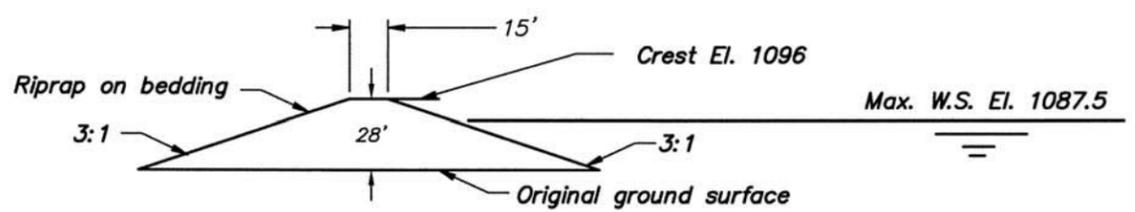
1. Shasta Dam profile based on drawing 214-D-21946.
2. Grout and drain holes not shown.



PROFILE - BRIDGE BAY RAILROAD DIKE

NOTES

1. Dikes are planned for both sides of the UPRR track. Dike shown is on the downstream side (larger).



MAXIMUM SECTION - BRIDGE BAY RAILROAD DIKE  
(LAKESHORE AREA DIKE SIMILAR)

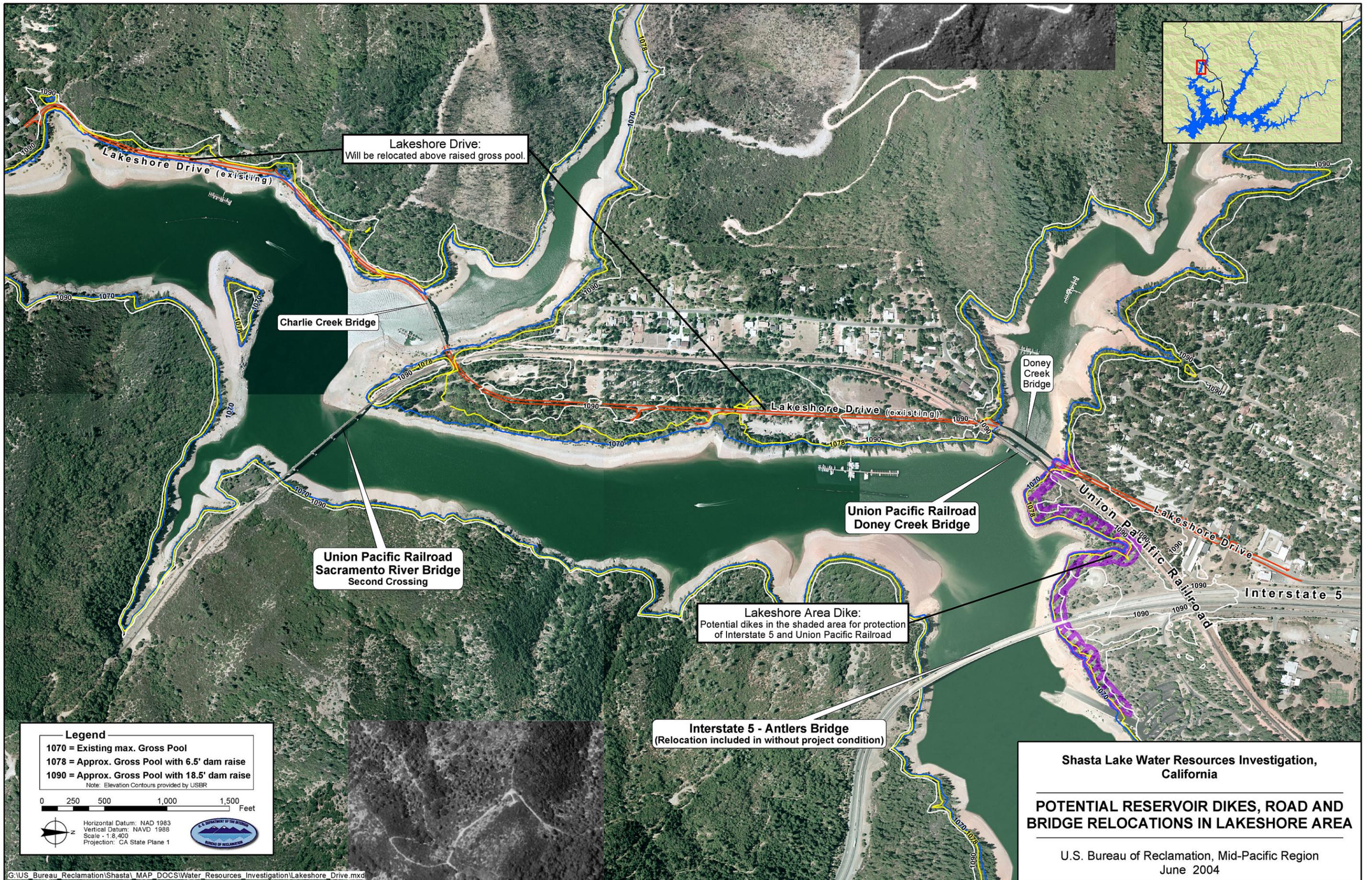
Shasta Lake Water Resources Investigation,  
California

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PRELIMINARY DESIGN -  
BRIDGE BAY DIKES AND  
SHASTA DAM PROFILE  
(18.5-FOOT RAISE)

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U.S. Bureau of Reclamation, Mid-Pacific Region  
June 2004



**Lakeshore Drive:**  
Will be relocated above raised gross pool.

**Charlie Creek Bridge**

**Doney Creek Bridge**

**Union Pacific Railroad  
Doney Creek Bridge**

**Union Pacific Railroad  
Sacramento River Bridge  
Second Crossing**

**Lakeshore Area Dike:**  
Potential dikes in the shaded area for protection  
of Interstate 5 and Union Pacific Railroad

**Interstate 5 - Antlers Bridge**  
(Relocation included in without project condition)

**Shasta Lake Water Resources Investigation,  
California**

**POTENTIAL RESERVOIR DIKES, ROAD AND  
BRIDGE RELOCATIONS IN LAKESHORE AREA**

U.S. Bureau of Reclamation, Mid-Pacific Region  
June 2004

**Legend**

1070 = Existing max. Gross Pool  
 1078 = Approx. Gross Pool with 6.5' dam raise  
 1090 = Approx. Gross Pool with 18.5' dam raise  
 Note: Elevation Contours provided by USBR

0 250 500 1,000 1,500 Feet

Horizontal Datum: NAD 1983  
 Vertical Datum: NAVD 1988  
 Scale: 1:8,400  
 Projection: CA State Plane 1