

RECLAMATION

Managing Water in the West

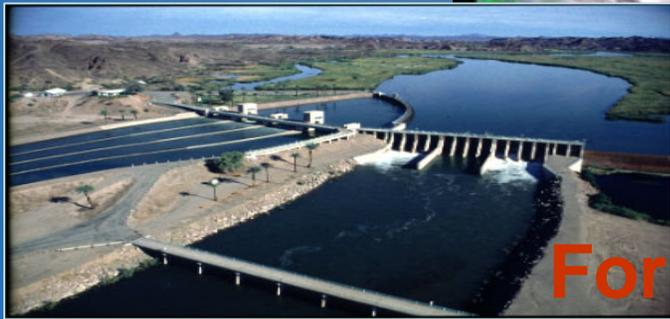
Lower Colorado River
Drop 2 Storage Reservoir Project
(Solicitation No. 08-SP-30-8114)
Pre-proposal Conference and Site Visit

May 13, 2008

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U.S. Department of the Interior
Bureau of Reclamation



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Mexico

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Senator Wash

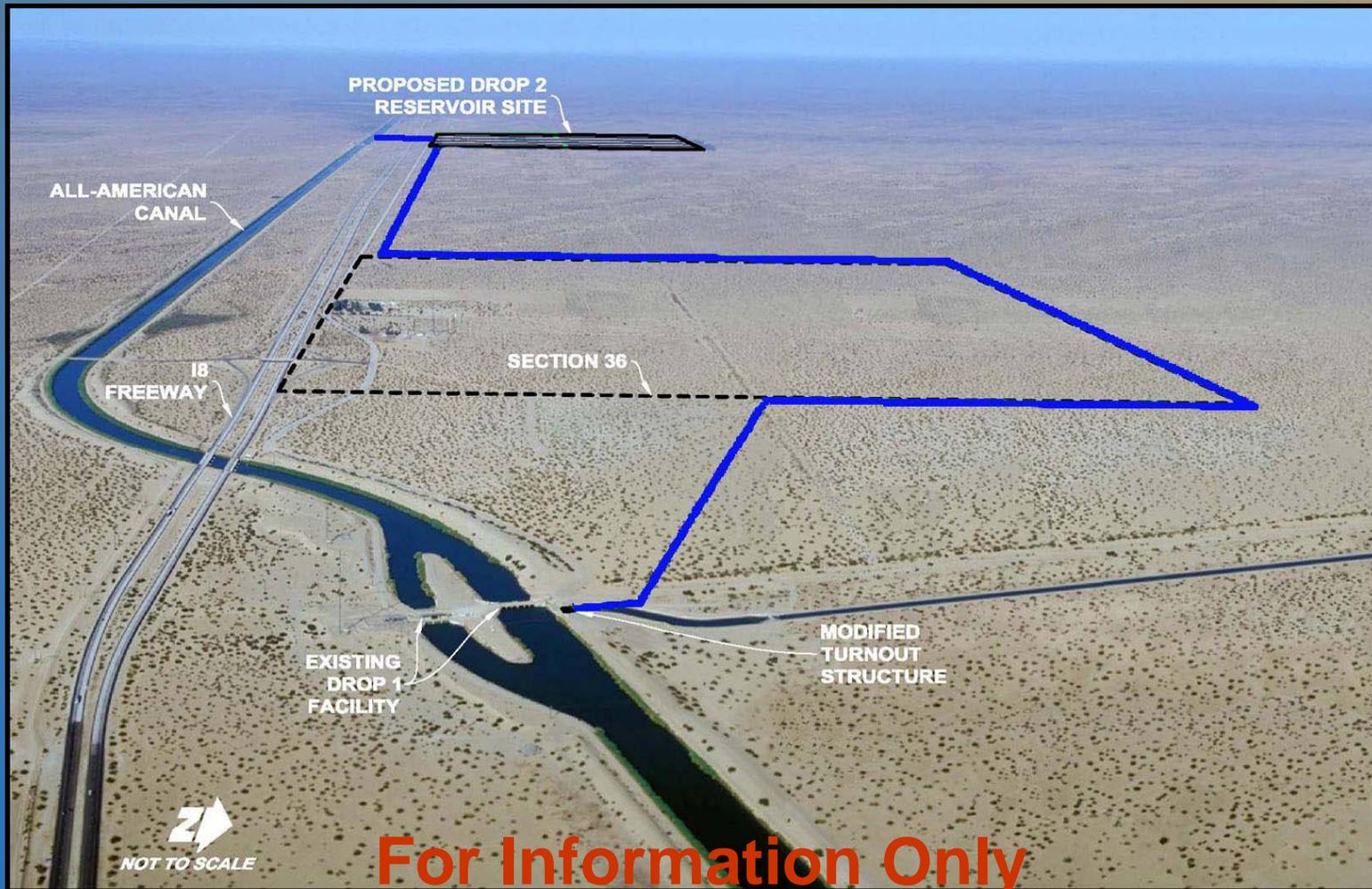
Imperial Dam

Drop 2 Reservoir

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Laguna Dam

Project Plan View Map



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Project Overview and Purpose

- Plan, design, and construct an 8,000 acre-foot storage reservoir and 1,800 cfs conveyance system.
- Provide available storage space for conserving a portion of “non-storable” flows currently not captured in the lower Colorado River system.
- These non-storable flows are a result of limited Colorado River system storage capacity below Parker Dam.

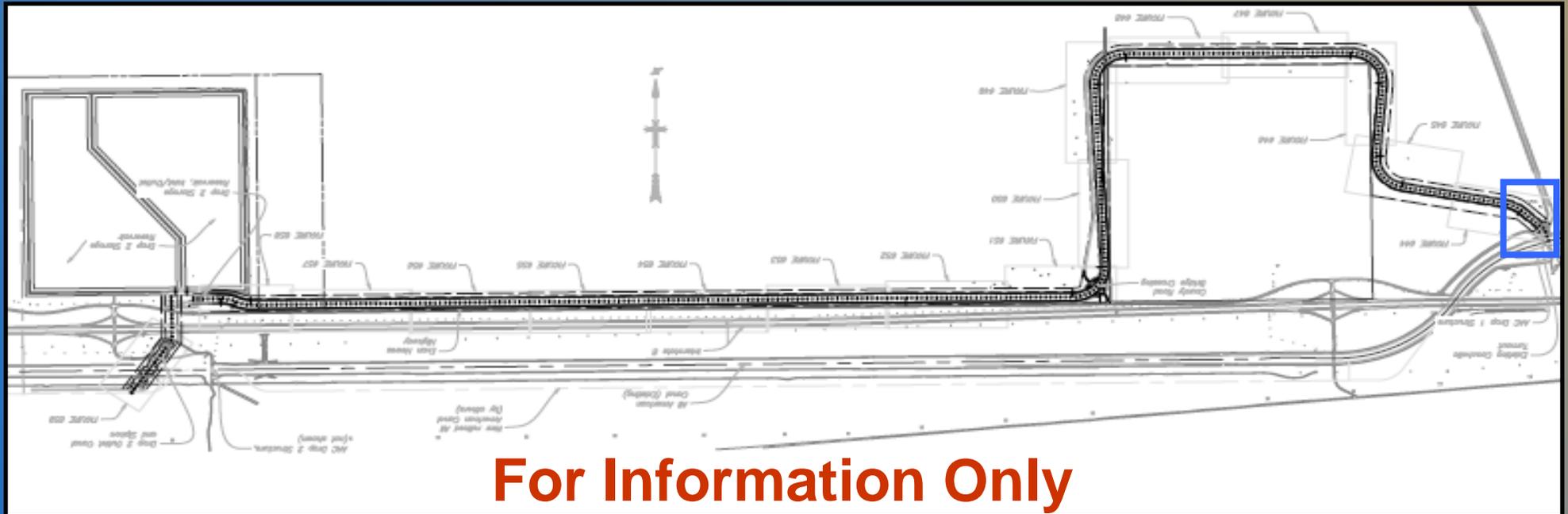
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Principal Project Features

Turnout Structure “Bifurcation”

- Modify Existing Coachella Canal Turnout at Drop 1
- Drop 2 Inlet Canal: 1,800 cfs; Coachella Canal: 1,550 cfs
- Five Existing Radial Gates
- Common Center Gate (Provides Redundancy)
- Allows Filling 8,000 acre-foot Reservoir in 72 Hours

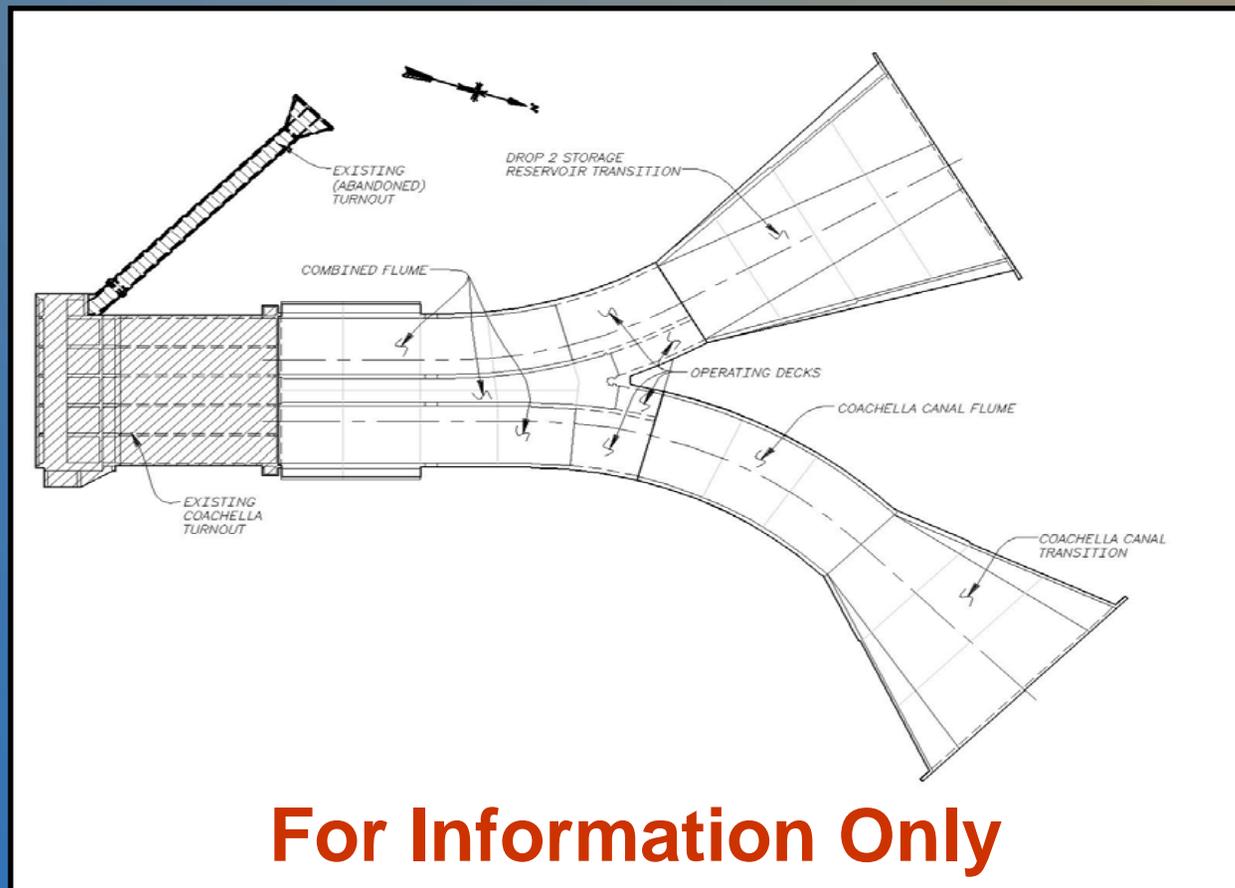


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Principal Project Features

Turnout Structure “Bifurcation”

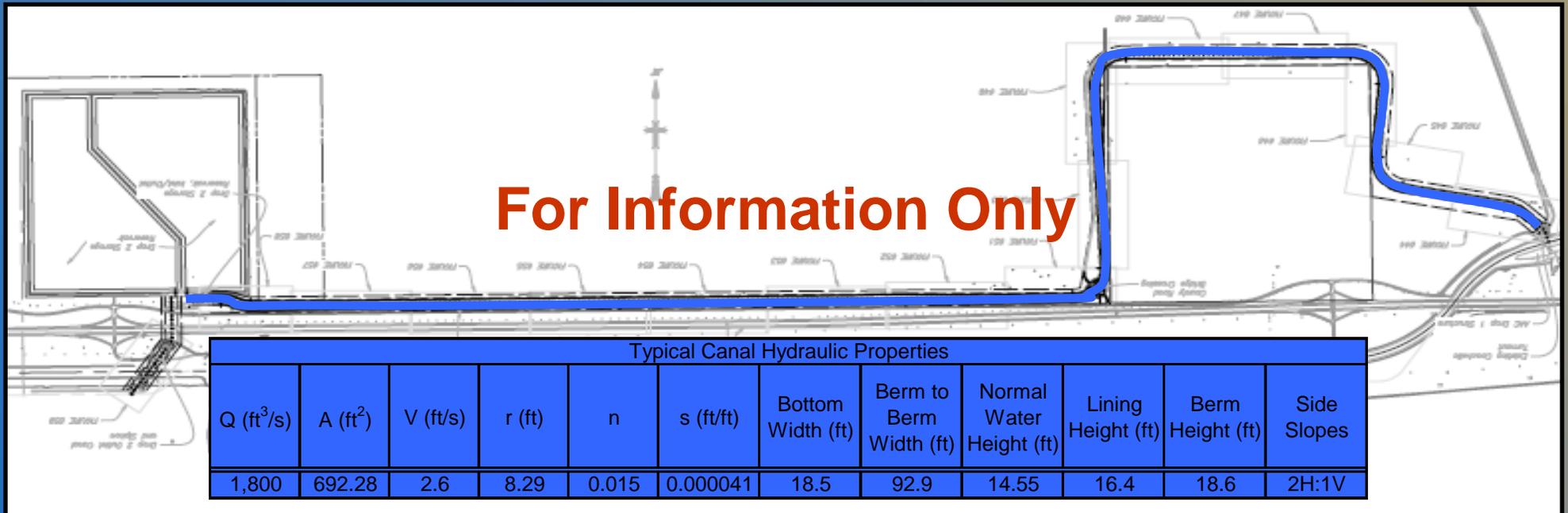


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Principal Project Features

Inlet Canal

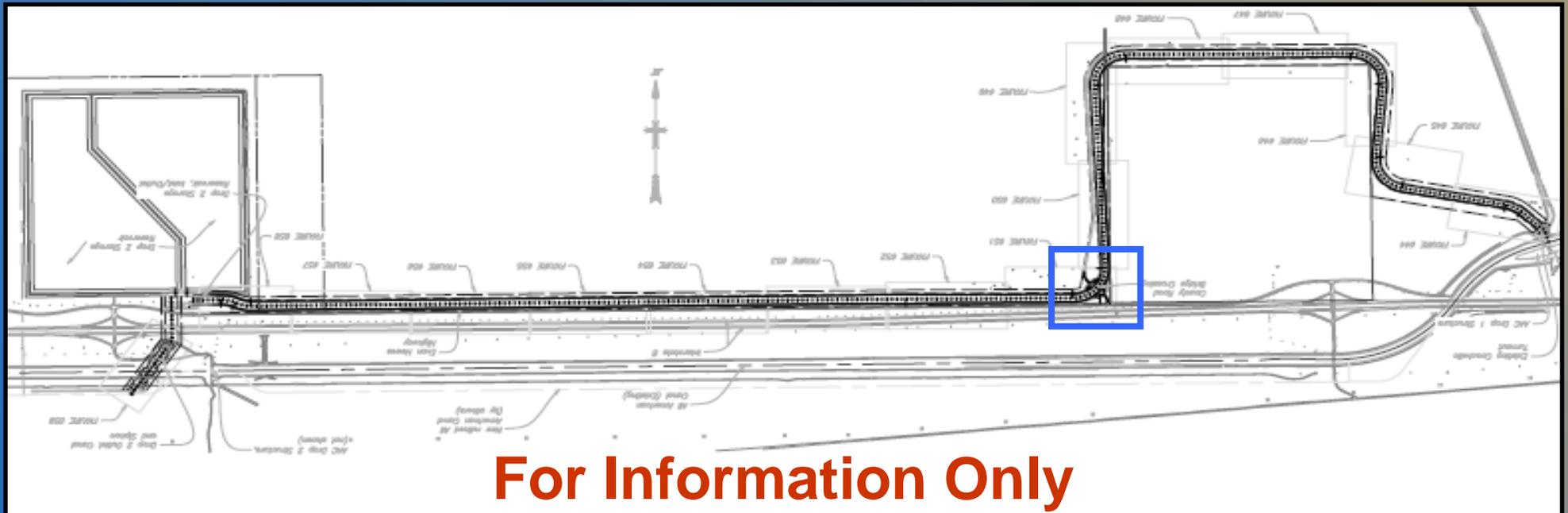
- 6.65 Miles (Total Elevation Drop: Approximately 1 ½ foot)
- 1,800 cfs; Flows Metered
- 2H:1V Side Slopes; 3 ½ inches Concrete Lining
- Around Section 36; Limit Canal Right of Way – Minimize Environmental Impact
- 6 foot Security Fencing and 3 foot Flat Tailed Horned Lizard Fencing



Principal Project Features

Imperial County Road Crossing

- Preserves Access to County Road
- Gated Access to Canal Maintenance Road
- Trapezoidal Structure
- Three Axle Truck Loading (HS20-44)
- At Grade



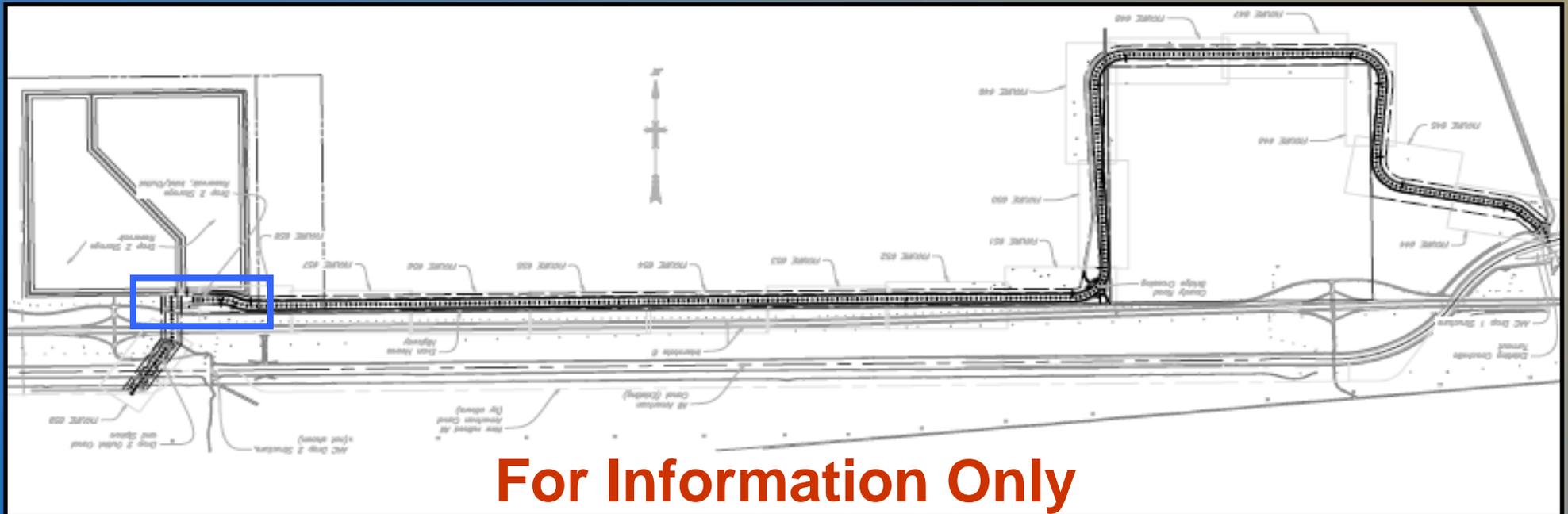
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Principal Project Features

Reservoir Forebay/Afterbay System

- Wasteway
- Trashracks
- Gate Structure
- Gated Inlet/Outlet and Siphon Structures
- Gravity System; Fill and Drain 8,000 acre-foot in 72 Hours, Respectively



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Principal Project Features

Reservoir

- Brock Ranch Site
- Adjacent to the Drop 2 Hydroelectric Power Structure on the All American Canal
- Approximately 30 Miles East of El Centro, CA, and 25 Miles West of Yuma, AZ



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Rockfill



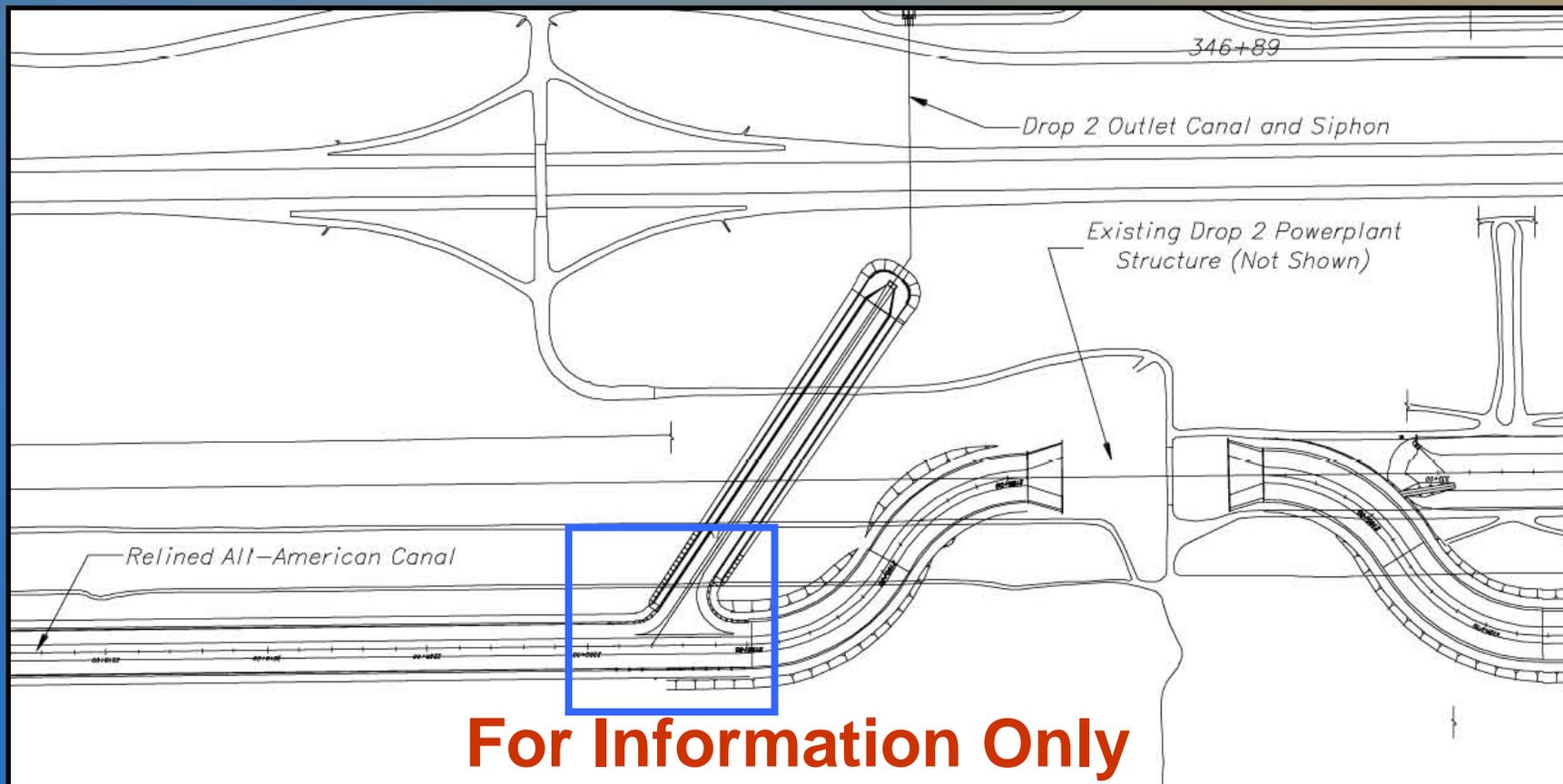
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Principal Project Features

Turn-in Structure “Confluence”

- Into Newly Lined All American Canal Downstream of Drop 2



Project Funding

- The Southern Nevada Water Authority (SNWA) will fund construction of the Project via an historic Funding Agreement (Agreement) among Reclamation, the Colorado River Commission of Nevada, and SNWA, which was signed on December 13, 2007, at the Colorado River Water Users Association's annual conference. In exchange for the Project funding, SNWA will receive a temporary supply of least 600,000 af of Intentionally Created Surplus (ICS) water credits at an annual maximum rate of 40,000 af until the year 2036.
- The Agreement allows funding and credit options for the Metropolitan Water District of Southern California (MWD) and the Central Arizona Water Conservation District (CAWCD); in exchange for funding 1/6th of the costs, each party would receive 100,000 af of ICS and SNWA's credits would be reduced by the same amount. Both MWD and CAWCD have exercised this option.

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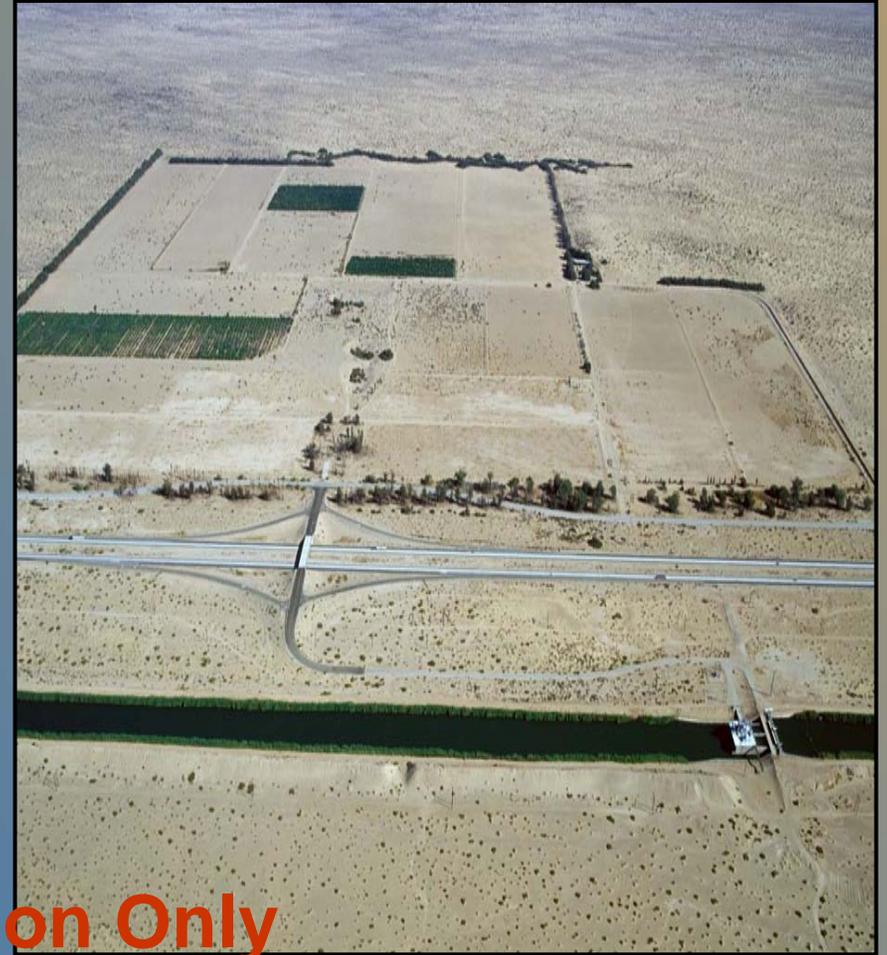
Stakeholder and Partner Coordination

- American Sand Association
- Arizona Department of Water Resources
- Arizona Game and Fish Department
- Bureau of Land Management (Yuma Field Office and El Centro Office)
- California Department of Fish and Game (Inland Deserts Region)
- California Department of Transportation
- Center for Biological Diversity
- Central Arizona Water Conservation District
- City of Yuma (Public Works Department)
- Coachella Valley Water District
- Cocopah Indian Tribe
- Defenders of Wildlife
- Environmental Defense
- Flat Tailed Horned Lizard Management Oversight Group
- Imperial County Planning and Development Services
- Imperial County Public Works Department
- Imperial Irrigation District
- International Boundary and Water Commission—U.S. and Mexican Sections
- Level 3 Communications
- Living Rivers/Colorado Riverkeeper
- Metropolitan Water District
- National Wildlife Federation
- Pacific Institute
- Quechan Indian Tribe
- Rivers Foundation of the Americas
- Sierra Club
- Sonoran Institute—University of Arizona
- Southern Nevada Water Authority
- The Corky McMillin Companies
- TransCanada North Baja System – IID Lateral
- US Customs and Border Patrol
- US Department of State
- US Fish and Wildlife Service (Phoenix Field Office and Carlsbad Field Office)
- Yuma Audubon Society
- Yuma Crossing Historical Association
- Yuma Heritage Foundation

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Questions



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