

Folsom Lake Intake Improvements Project

Community Meeting
April 24, 2019



Presentation Outline

- Meeting Overview
 - How to Stay Informed
 - Project Overview Presentation
 - Project background and summary
 - Environmental review process
 - Questions – Breakout Session

How to Stay Informed

- Project Website:
www.eid.org/FolsomLakeIntakeProject
- eNews: Sign up to receive an eMail notifications at www.eid.org
- Phone: 530.622.4513
- Email Project related questions
FLIntake@eid.org

Folsom Lake Intake Improvements Project



Improvements to and replacement of existing facilities at the raw water intake on Folsom Lake

Folsom Lake Intake Improvements Project

- Folsom Lake Intake supplies raw water from Folsom Lake to the El Dorado Hills Water Treatment Plant
- Treated water delivered to customers in El Dorado Hills

Folsom Lake Intake Improvements Project

- Water supplied through Folsom Lake Intake is critical to provide reliable water supply for El Dorado Hills customers
- Project does not increase the capacity or change the use of the existing facilities being replaced

Project Elements/Objectives

- Construct a temperature control device for EID's intake facilities in order to preserve the cold-water pool in Folsom Lake to help enhance downstream habitat for fish
- Replace selected existing pumps with more reliable and efficient equipment

Project Elements/Objectives

- Install infrastructure to provide raw water supply to meet the El Dorado Hills Water Treatment Plant's currently permitted capacity
- Improve and optimize the intake system's appurtenant facilities

Why is the Project Required?

- Original intake constructed in 1958
- Additional pumps were installed in 1994
 - Both systems have reached the end of their useful life and have become increasingly unreliable
- Temporary pumps installed in 2010 have failed entirely

Why is the Project Required?

- Facility must be modified to allow selective withdrawal of water based on temperature
 - Temperature control device (TCD)
 - Preserve cold-water pool in Folsom Lake to help enhance downstream habitat for anadromous fish (i.e., salmon and steelhead)

Why is the Project Required?

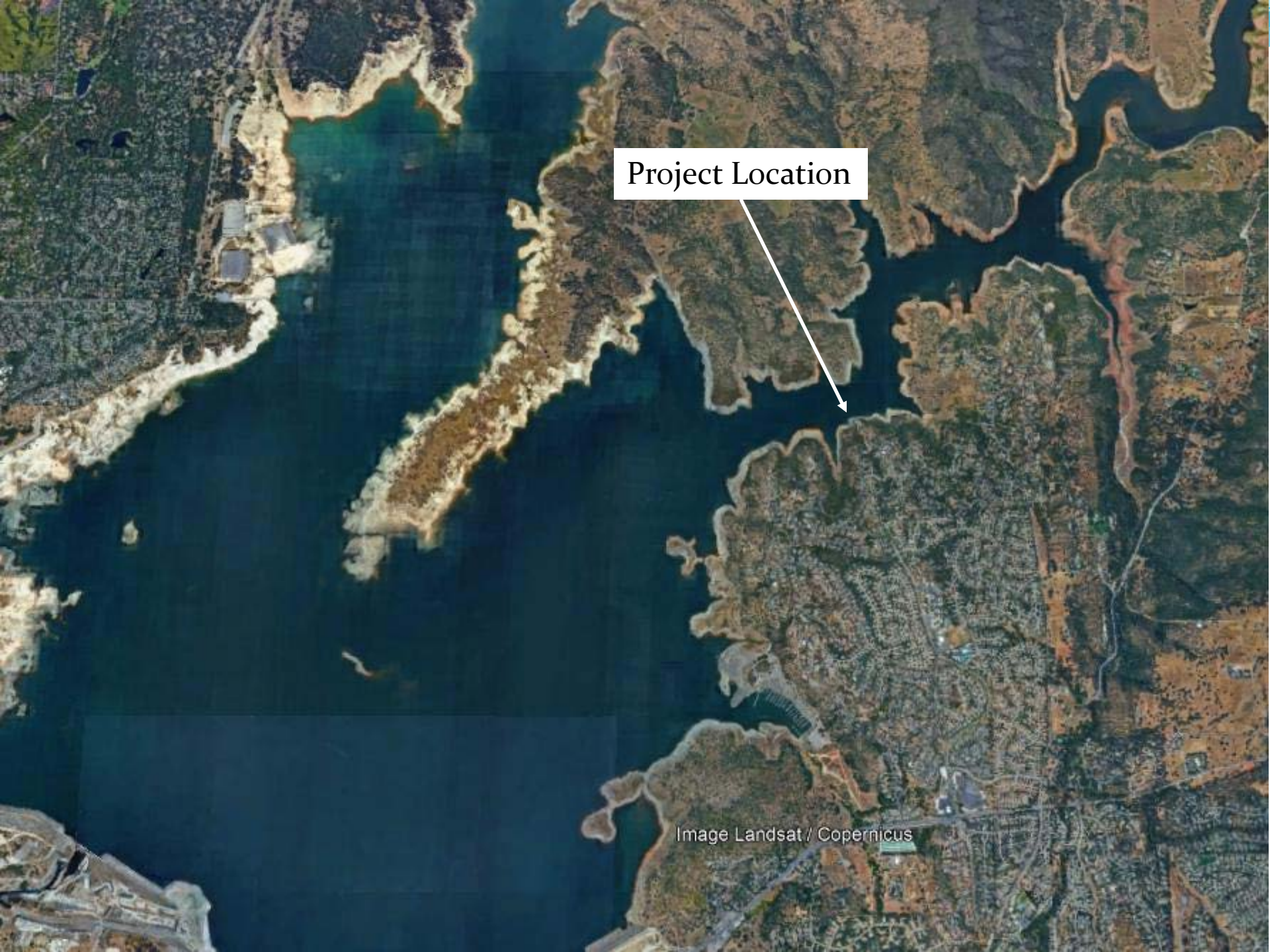
- TCD is a requirement of EID's contract with the U.S. Bureau of Reclamation to allow EID to access its full allotment of water rights
- Cooperative Agreement between EID and U.S. Bureau of Reclamation to fund a 50% of the costs to construct the TCD

Why is the Project Required?

- Folsom Lake Intake is critical component to EID's raw water supply
 - EID's sole source of water from Folsom Lake
 - Approximately 1/3 of EID's water supply
- High priority for improvements
 - Age and deteriorated condition
 - Past pump failures
 - Outdated two stage pumping system
 - Ongoing safety issues
 - Difficulty obtaining parts for 1958 vintage booster pumps

Background

- TCD project similar to current Project proposed in 2002
- Re-evaluated options to construct TCD in 2005
 - Constructing new facility either east or west of existing facility
 - Retrofitting current intake facility
 - Intake structure adjacent to river channel in lake
- Due to escalating project costs estimates, re-evaluated design options in 2018

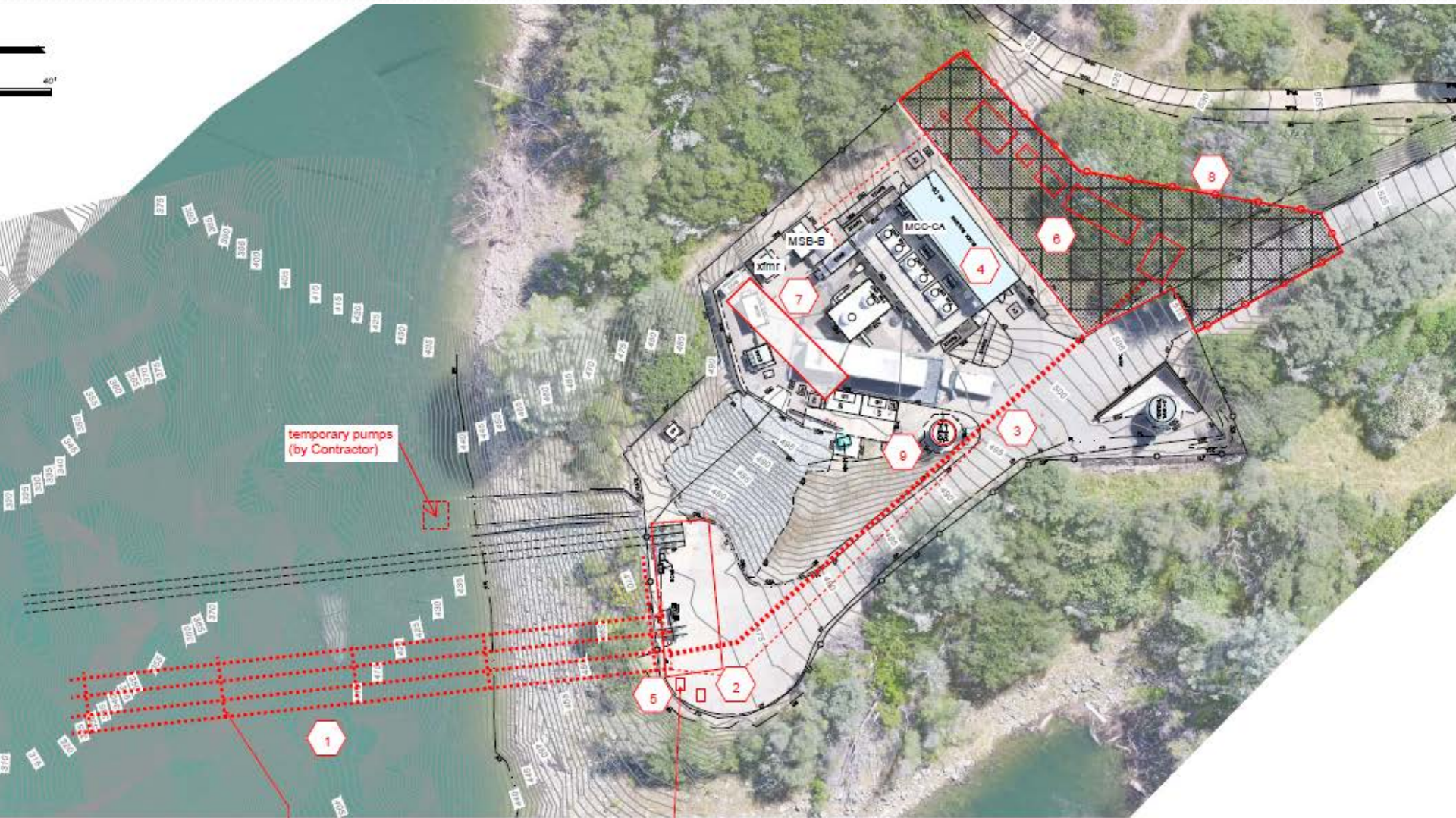


Project Location

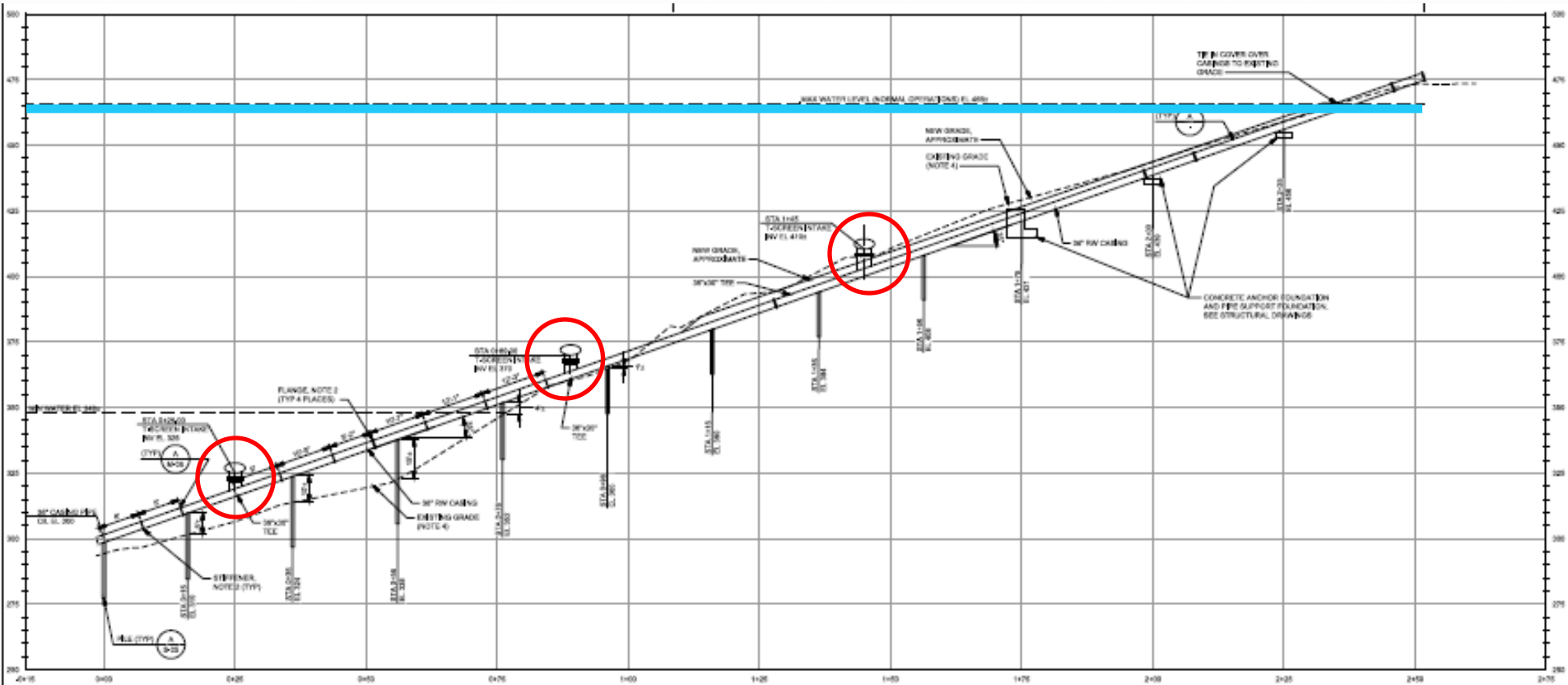
Image Landsat / Copernicus



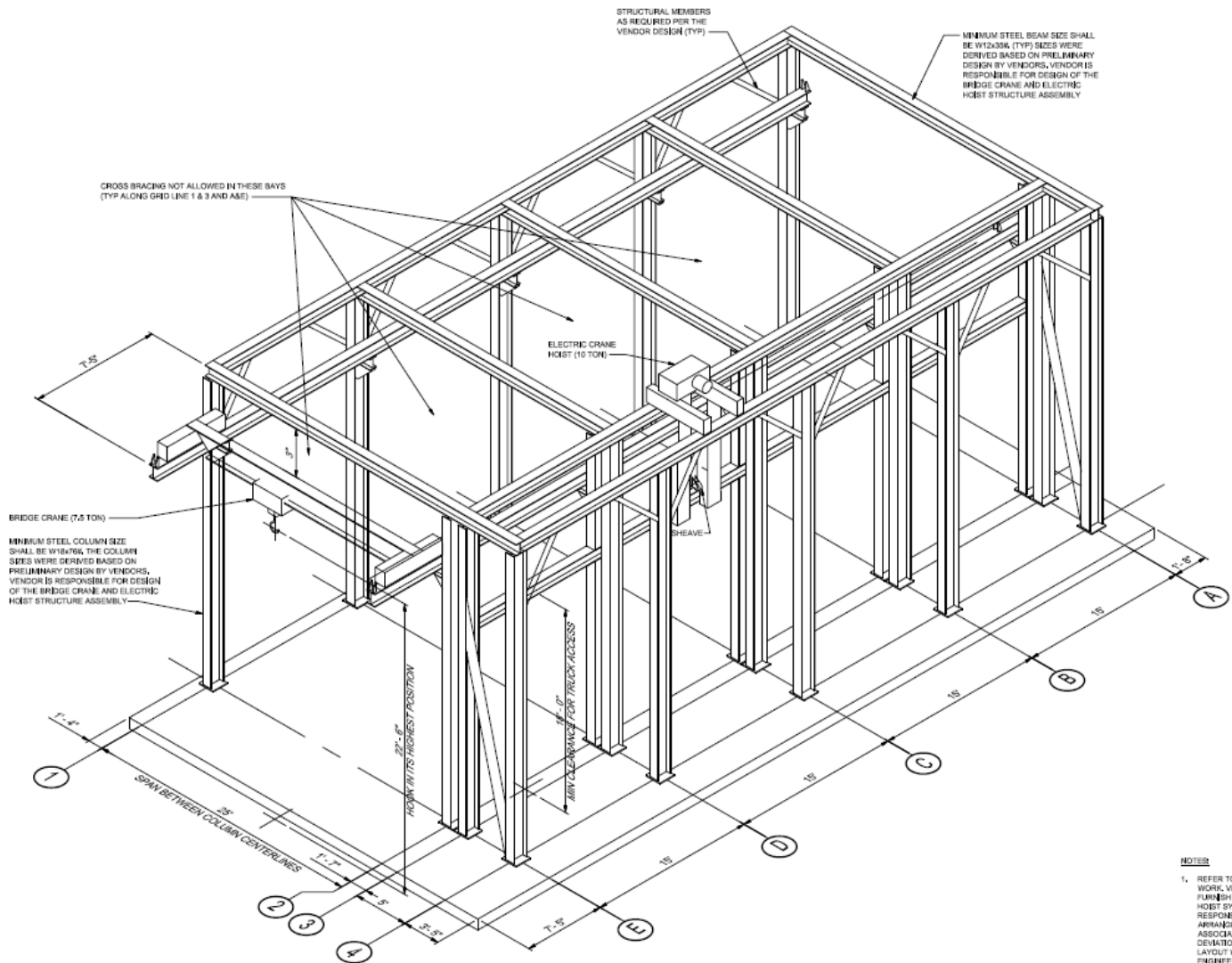
Facility Improvements



Temperature Control Device



Bridge Crane Hoist



NOTES

- REFER TO SPECIFIC WORK. VENDOR IS RESPONSIBLE FOR DESIGN OF THE HOIST SYSTEM AND IS RESPONSIBLE FOR DESIGN OF THE BRIDGE CRANE AND ELECTRIC HOIST STRUCTURE ASSEMBLY. VENDOR IS RESPONSIBLE FOR DESIGN OF THE BRIDGE CRANE AND ELECTRIC HOIST STRUCTURE ASSEMBLY. VENDOR IS RESPONSIBLE FOR DESIGN OF THE BRIDGE CRANE AND ELECTRIC HOIST STRUCTURE ASSEMBLY.



Environmental Review Process

- California Environmental Quality Act (CEQA)
 - Describe potential environmental impacts
 - Identify ways to avoid or lessen those impacts
 - Promote coordination with public agencies
 - Encourage public participation

Environmental Review Process

- EID is lead agency under CEQA
- Staff prepared an Initial Study/Mitigated Negative Declaration (MND)
 - Evaluate potential environmental effects associated with the Project

Environmental Review Process

- Staff prepared a Mitigation, Monitoring, and Reporting Program (MMRP)
 - Identify feasible mitigation measures that avoid, mitigate, or reduce potential environmental effects to a less-than-significant level

Environmental Review Process

- Public Review
 - Initial Study and proposed MND released for public and agency review February 6 – March 7, 2019
 - On April 8, 2019, Board voted to
 - Continue public hearing until May 13, 2019
 - Provide additional 10-day public review period
 - Convene a community meeting

Topics Analyzed in MND

- Aesthetic Resources
- Agricultural and Forestry Resources
- Air Quality
- Greenhouse Gas Emissions
- Energy
- Biological Resources
- Cultural Resources
- Geology and Soils
- Hydrology and Water Quality
- Land Use and Planning
- Hazards and Hazardous Materials
- Noise
- Public Services
- Recreation
- Transportation
- Utilities and Service Systems
- Tribal Cultural Resources
- Wildfire
- Population and Housing

Mitigation Measures

- Mitigation measures are included in the MMRP to reduce potential impacts to less-than-significant levels

Mitigation Measures

- Biological Resources
 - Nesting raptors
 - Nesting birds
 - Waters of the U.S.
 - Oaks
- Cultural Resources
 - Undiscovered historic properties
 - Undiscovered burials

Mitigation Measures

- Hydrology and Water Quality
 - Stormwater Pollution Prevent Plan
 - Spill Prevention and Control Plan
 - Best Management Practices for in-water work

Resident's Concerns

- Public notice
- Traffic
- Road condition
- Wildfire
- Noise
- Dust
- Aesthetics
- Project schedule

Outreach During Construction

- Project updates
 - Send Project mailer before construction begins
 - Maintain website
 - Provide eNotifications
 - Provide look ahead schedules describing upcoming activities

Providing Comments

- Written comments can be submitted at tonight's community meeting to an EID representative
- Email your comment to Brian Deason bdeason@eid.org by Thursday, April 25, 2019
- May 13, 2019 EID Board meeting

Breakout session

- Environmental review
- Engineering
- Operations