

Construction Notification

E Reservoir and Pump Station Replacement Project



The E Reservoir Replacement and Pump Station Project will begin this winter and take approximately 24 months to complete.

Work Required

Construction work requires demolishing the existing reservoir, removing rock, and re-grading the site to accommodate the new reservoir and pump station. The new reservoir will have the capacity to store 2.92 million gallons of drinking water and will meet or exceed all current drinking water standards and applicable codes including earthquake codes. In addition, a pump station will be built, which will allow VID to transfer water throughout the distribution system in times of emergencies, such as wild fires, to where it is needed.

Most of the new reservoir will be buried as it is now and new water-smart landscaping will be incorporated into the project and help screen the new reservoir once the landscaping is established. Visible portions of the reservoir will be painted to blend in with the surrounding hills. Other improvements include drainage and site security enhancements.

The construction contractor will be required to keep noise levels within regulation standards. The contractor must also control dust levels and ensure trucks do not idle at the project site before, during, or after working hours.

The water supply typically stored in the E Reservoir will be rerouted during construction to ensure there will be no disruption to water service.

Thank you for your patience during this critical infrastructure improvement project.

FOR MORE INFORMATION

Contact: Greg Keppler, Project Manager
Vista Irrigation District
760-597-3136
gkeppler@vidwater.org



PROJECT MAP



Once work begins, construction vehicles will access the project site via Edgehill Rd.

CONSTRUCTION SCHEDULE AND HOURS

Winter 2022 through Winter 2024

Monday through Friday

8:00 A.M. to 4:30 P.M.

The contractor may need to work outside the prescribed working hours on some occasions to minimize impacts to the water system. Residents will be notified ahead of time in these instances.



Rendering (above) of the completed project

Project Description:

- The work generally consists of demolition of the existing 1.5-million-gallon E Reservoir structure, construction of a new 2.92 million gallon cast in place partially buried reservoir, construction of a new 3,000 GPM booster pump station and associated piping and site improvements.

Description of Work Completed During This Month:

- Demolition of the existing reservoir.
- Continued grading around the existing reservoir.
- Grading to final grade for new reservoir
- Export of excess material

Contractor's Schedule for Next Month (May 2022):

- Complete grading around the existing reservoir.
- Export of excess material
- Complete final grade for new reservoir
- Install CLSM

PHOTOGRAPHS



Removal concrete reservoir walls and floor (Above)

Square rebar removed from existing reservoir concrete (Below)



Separating concrete from steel and grinding concrete (Below)



Concrete Grindings (Below)



Exporting excess materials (Below)



PHOTOGRAPHS



CLSM Placement (Above)

CLSM Placement (Below)



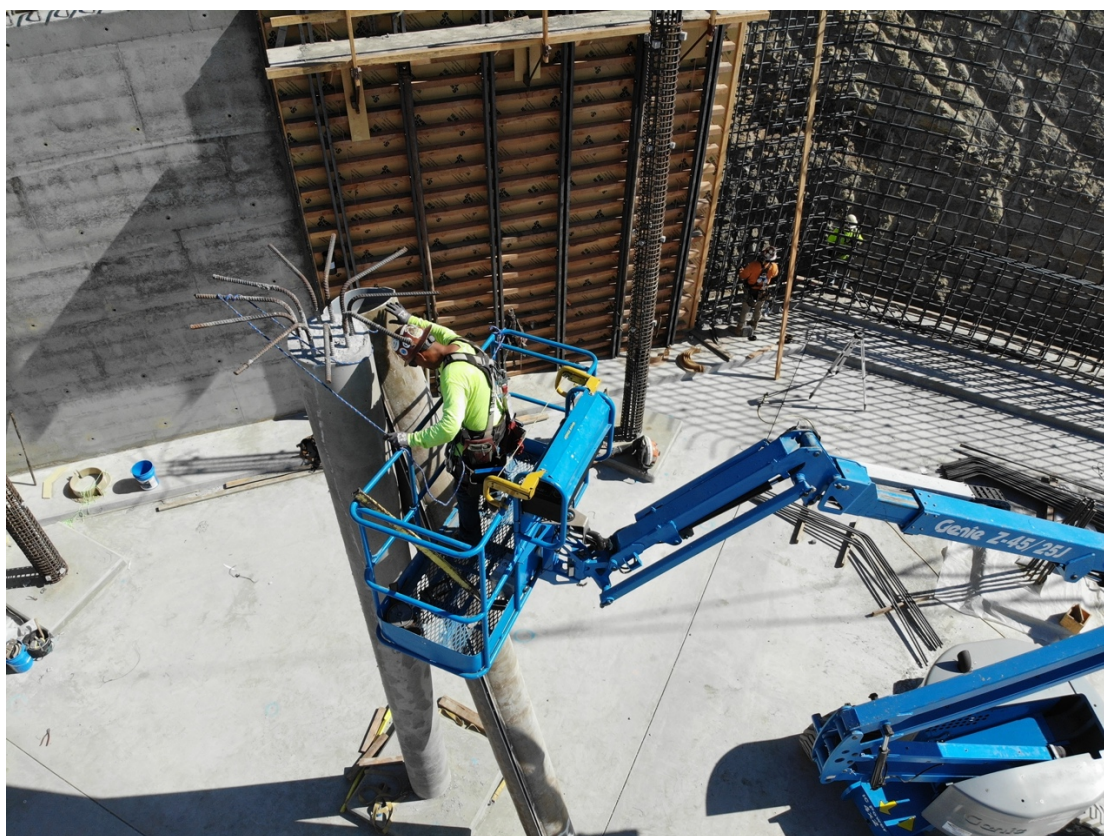


Preparing to construct edge forms (Above)



Edge Forms (Above)

PHOTOGRAPHS



Stripping Column Forms (Above)

Pouring Columns (Below)





Preparing wall rebar at and forms (Above)



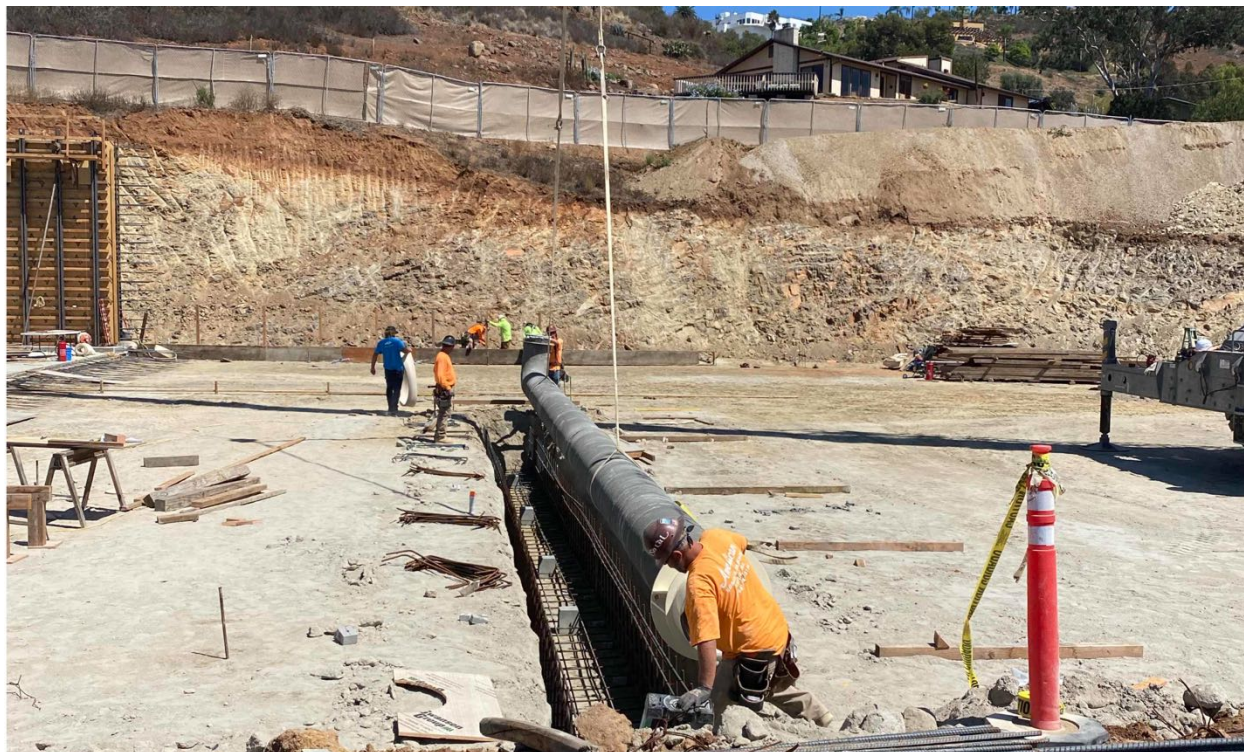
Top of Wall Forms and Rebar (Above)

PHOTOGRAPHS



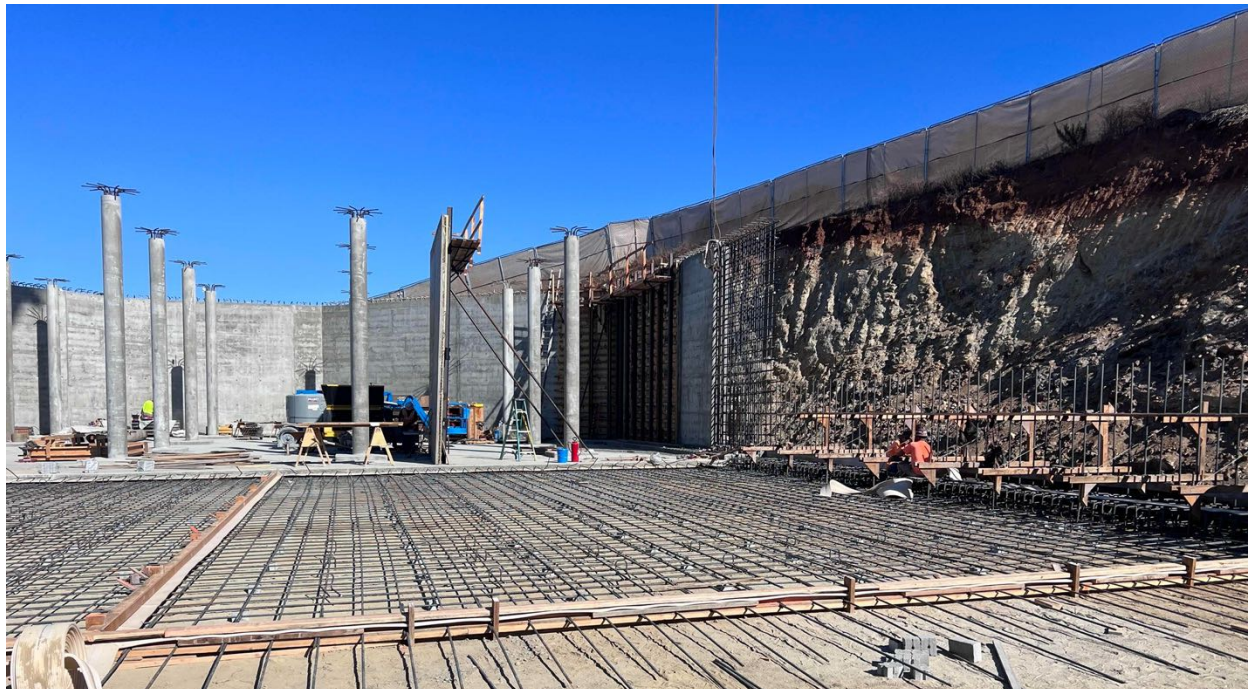
Concrete placement on west wall (above). East wall formed (below)



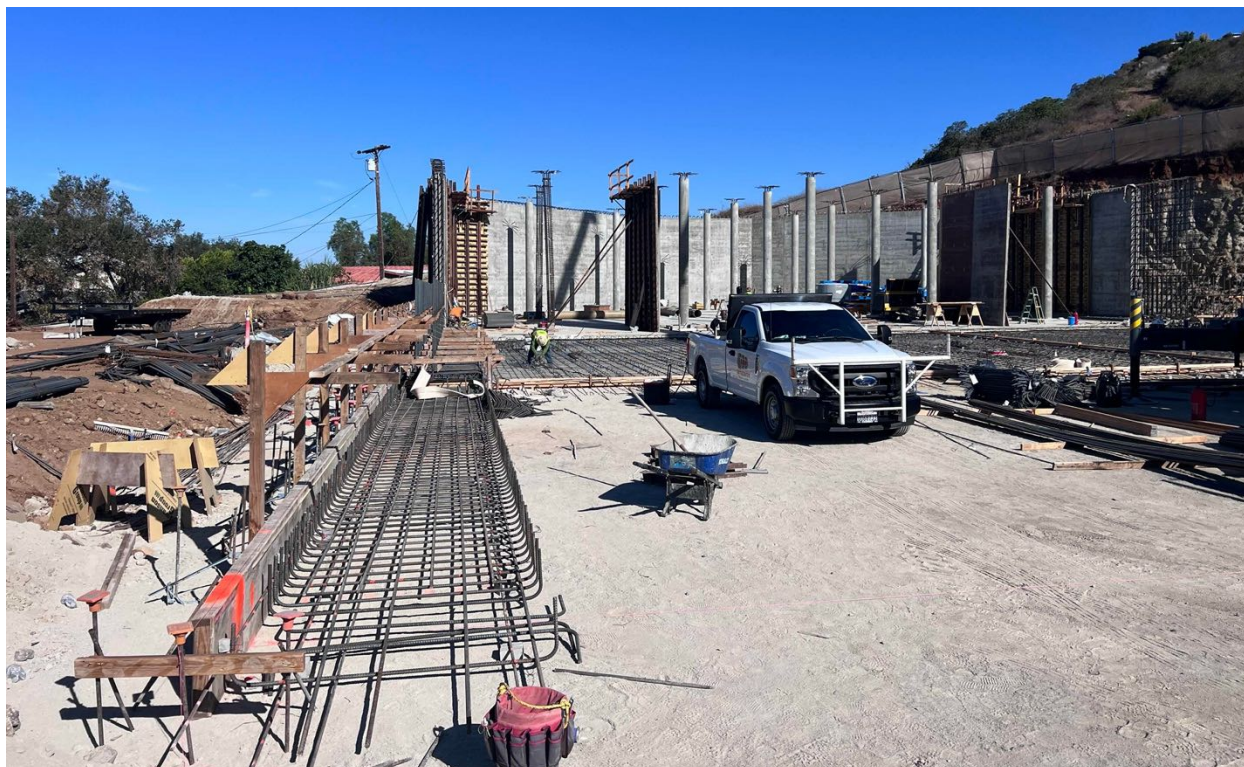


Outlet pipe installation and encasement

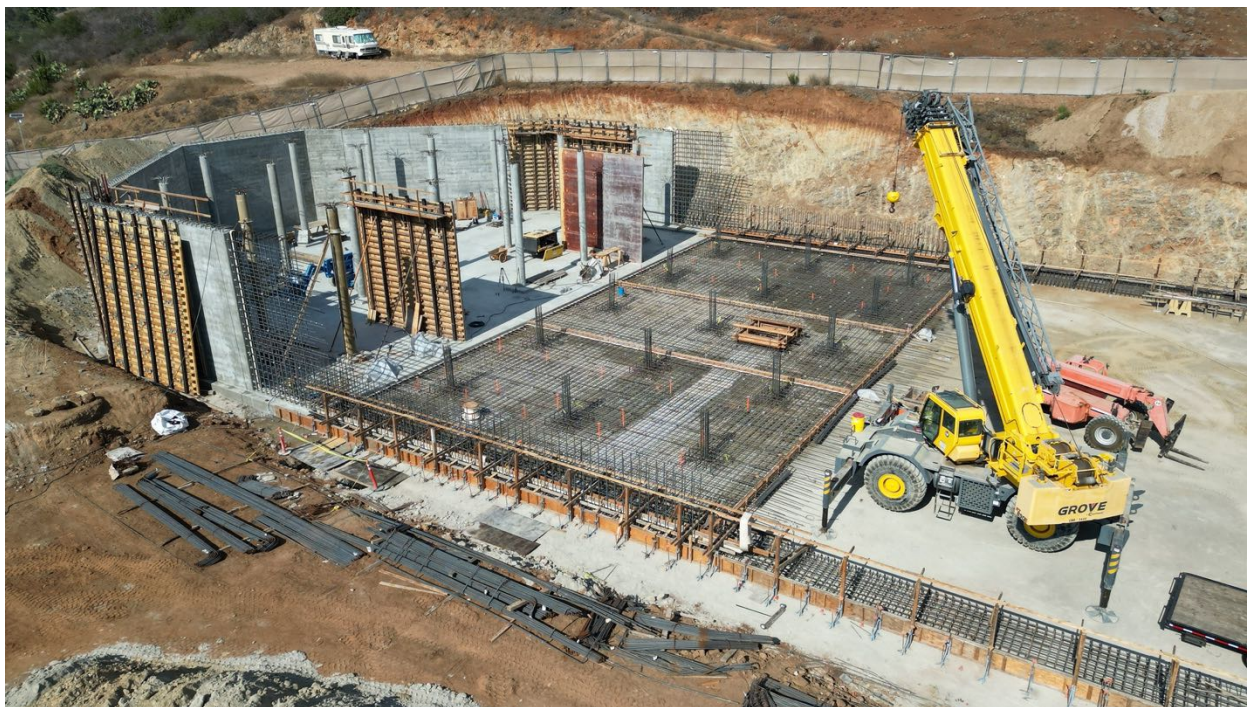




Rebar placement for center slabs



PHOTOGRAPHS



Center slab rebar ready for concrete (above). Concrete placement (below)





Forming of east center wall





West wall concrete placement



PHOTOGRAPHS



Concrete wall placement (above). Concrete slab placement (below)





Roof Deck Shoring Installation





Roof Deck Shoring Installation and Decking Installation





Rebar placement for final SOG pour (above). Final SOG concrete slab placement (below)



PHOTOGRAPHS



Vault Walls Formed (Above) Final roof deck pour corner (Below)





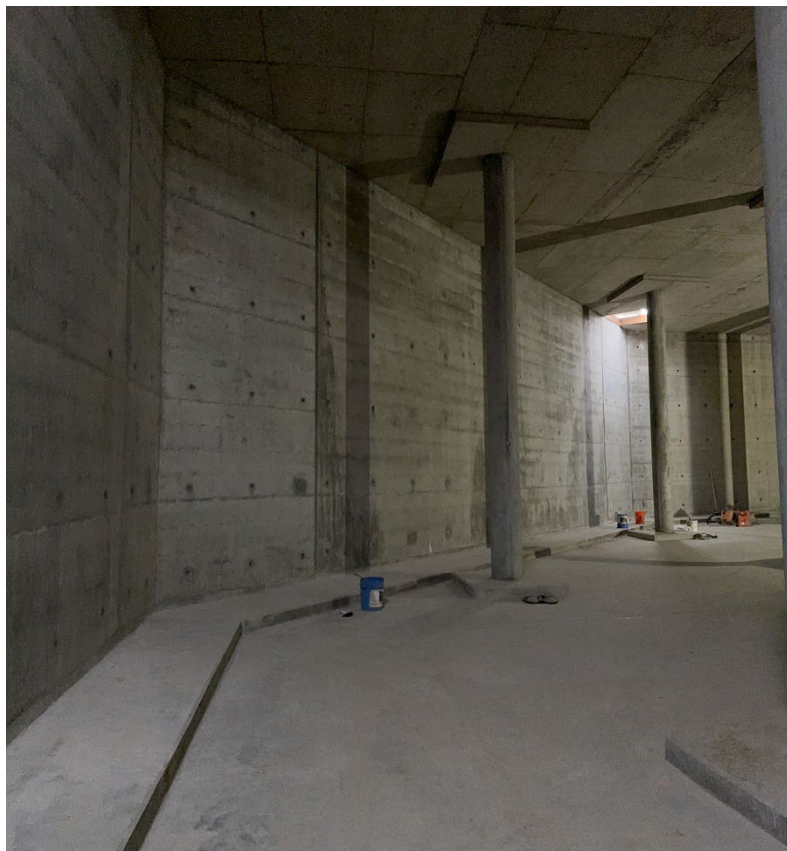
Roof Deck Shoring Removal (above). Roof Deck Shoring Remaining Until Concrete Reaches Strength (below)



PHOTOGRAPHS



Vault Backfill/Compaction (Above) Sack & Patch Interior Reservoir (Below)





Export Excess Soil (Above) Begin Yard Piping Excavation (Below)

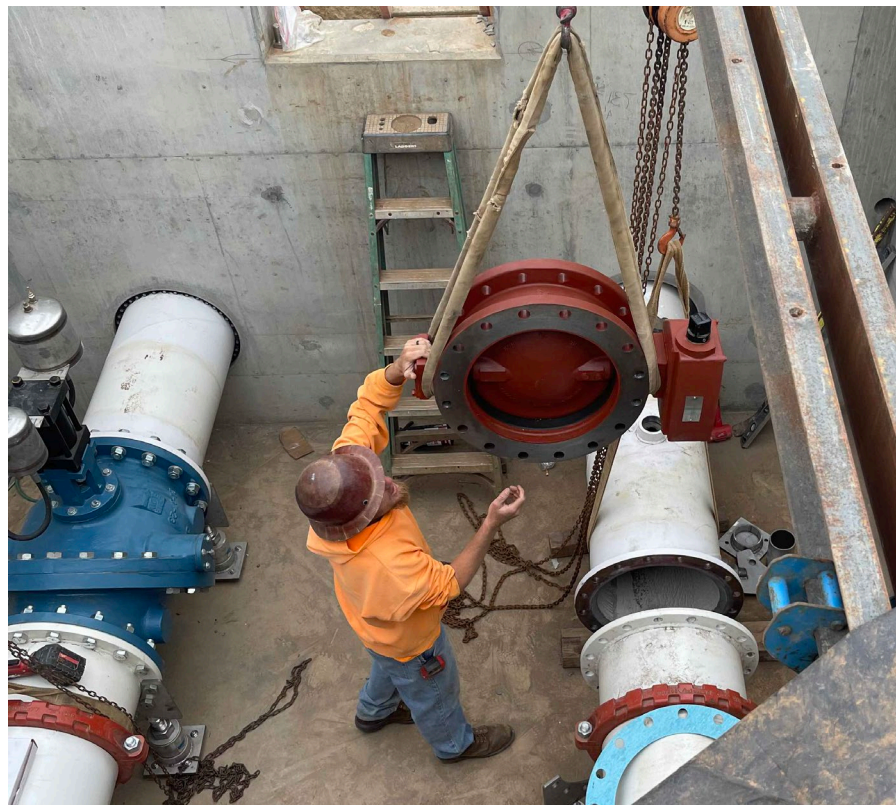


PHOTOGRAPHS



Flex Coupler Installation



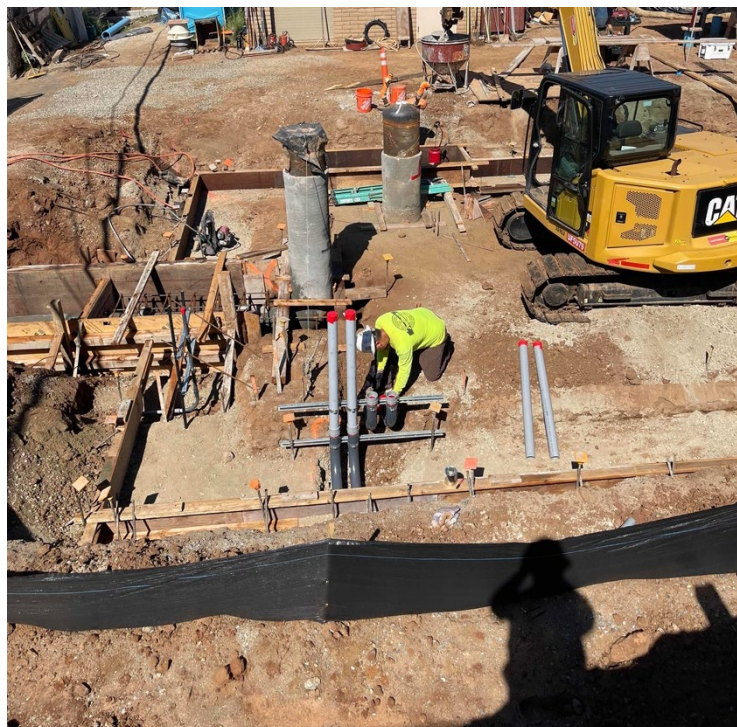


Valve Vault Valve Installation (Above) Retaining Wall Footing Compaction Test (Below)





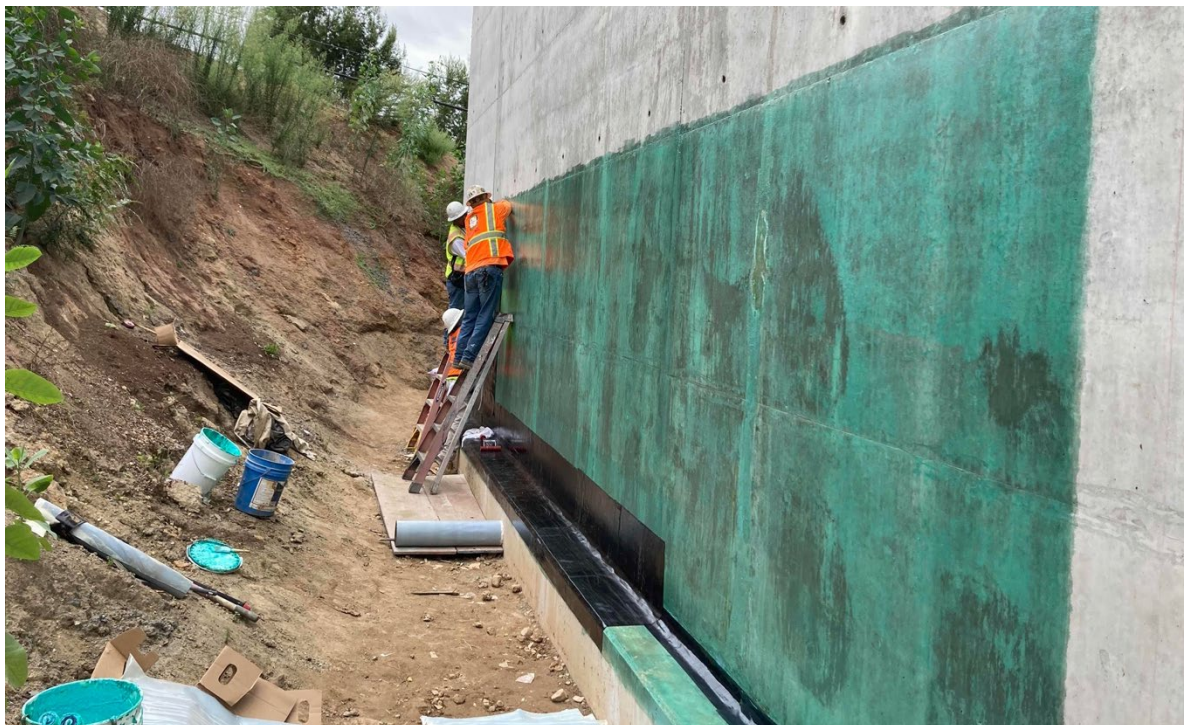
Pump Station Outlet Piping (Above) Pump Station Electrical (Below)



PHOTOGRAPHS



Reservoir Leak Repair (Above) Reservoir Exterior Waterproofing (Below)





Pump Station Slab Electrical Conduits (Above) Pump Station Slab Rebar (Below)



PHOTOGRAPHS

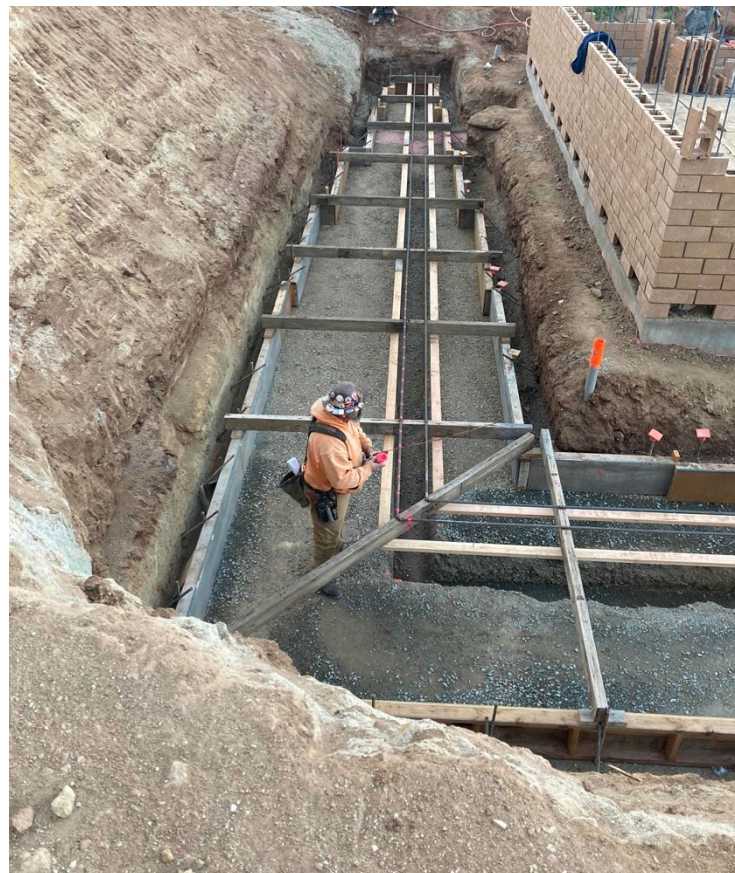


Pump Station Slab (Above) Pump Station Electrical (Below)





Reservoir Footing Drain/Backfilling (Above) Pump Station Retaining Wall Footing (Below)



PHOTOGRAPHS



Pump Station CMU Block and Retaining Wall





Pump Station Retaining Wall (Above) Reservoir Backfilling (Below)

