

April 2021 Construction Update

HB Reservoir Repair Project



The reservoir passed all testing and was placed into service at the beginning of March. Throughout March into early April the Contractor completed painting the exterior of the reservoir, completed the reservoir control vault, installed the reservoir manway ladder, installed the exterior reservoir stairs, paved around the reservoir as well as the main access road, and hydroseeded any exposed areas.

Upcoming Work

In May, the Contractor will finish installing the security fence, fog seal the newly placed asphalt and then the project will be complete.



Construction crews painting the reservoir exterior



Installation complete of the new manway and access ladder

April 2021 Construction Update **HB Reservoir Repair Project**



Exterior stairs installed



Newly completed reservoir control vault and appurtenances



Crews paving the main reservoir access road



Newly paved perimeter reservoir access road and drainage improvements

February 2021 Construction Update

HB Reservoir Repair Project



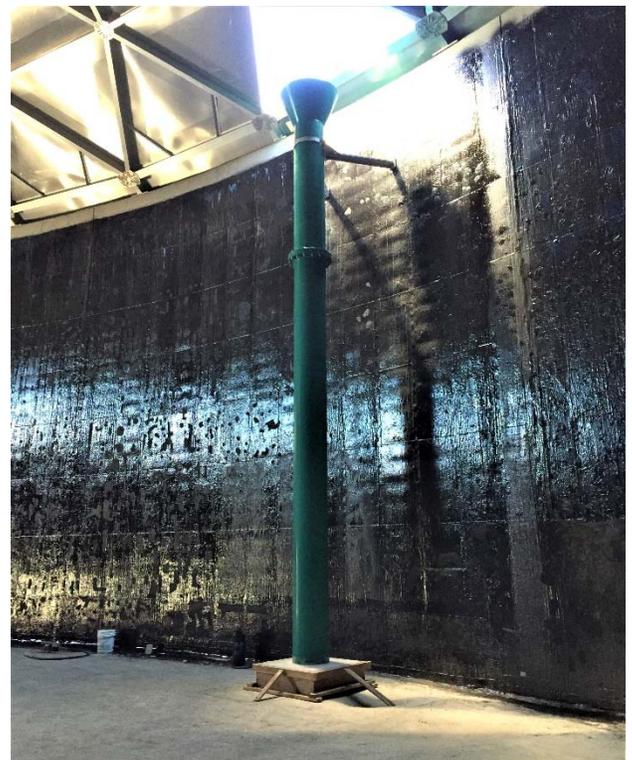
The contractor completed reservoir inlet, outlet, overflow, yard-piping, seismic improvements, and completed installation of interior ladders and continued final grading improvements.

Upcoming Work

Beginning in February, the contractor will finish grading operations, complete drainage improvements, and repave the reservoir site. In late February, reservoir testing will begin and the reservoir will be placed back into service if all the tests pass. In March, the reservoir will receive final exterior painting and security fencing and the access road from Buena Creek Road will be repaved.



HB Reservoir's new interior stairs, platform, and ladder.



Installation of the new reservoir overflow.

February 2021 Construction Update
HB Reservoir Repair Project



New drainage facilities and perimeter access road base material recently installed



Contractor is preparing the final segment of the grading and drainage facilities around the reservoir

October 2020 Construction Update

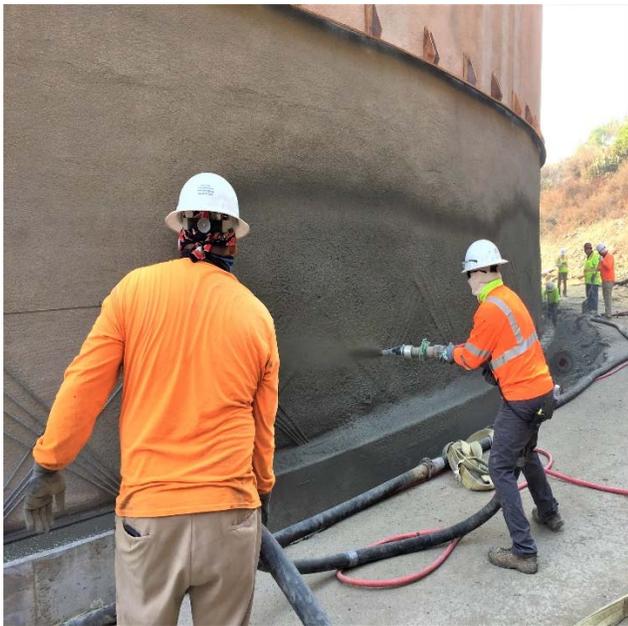
HB Reservoir Repair Project



The contractor completed the aluminum dome roof in early September and began applying the new reservoir interior wall coatings in mid-September. As part of the seismic retrofit, shotcrete was applied to the exterior of the reservoir in late September and will be complete in mid-October.

Upcoming Work

Beginning in mid-October, the contractor will install the dedicated inlet and outlet piping improvements to the reservoir interior as well as new interior access ladders and overflow piping. Starting in late October, the contractor will start work on the pipelines outside the reservoir. Pipeline improvements will continue through November.



The contractor applying shotcrete to the reservoir exterior.



Completed new aluminum roof (view from inside HB Reservoir) and partially completed interior wall coatings.

August 2020 Construction Update

HB Reservoir Repair Project



The contractor began erecting the new aluminum dome roof at the end of June and is expected to take a few more weeks to complete. The new concrete reservoir footing was poured in late July.

Upcoming Work

Beginning in mid-August, the contractor will install the dedicated inlet and outlet piping improvements to the reservoir interior. In late August and September, the contractor will start work on the pipelines outside the reservoir and apply coatings to the interior and exterior of the reservoir.



The contractor poured the new concrete footing as part of the seismic retrofits.



By the end of July, the contractor completed a substantial portion of the new aluminum roof (view from inside HB Reservoir).

July 2020 Construction Update

HB Reservoir Repair Project



The contractor recently completed installing new reinforcing steel for the new reservoir footing and began installing seismic cables. The contractor began erecting the new aluminum dome roof, which is expected to take several more weeks to complete.

Upcoming Work

Beginning in mid-July, new concrete will be poured for the new reservoir footing. The new footing will have seismic cables cast into it, which connect the reservoir walls to the foundation. The contractor received materials for the new aluminum dome roof last month and began erecting the new roof. Roof construction is expected to take approximately eight more weeks. In addition, the contractor will continue working on the dedicated inlet and outlet piping improvements to the reservoir interior. In August, the contractor will start work on the pipelines outside the reservoir and apply coatings to the interior of the reservoir.



The contractor began installing new reinforcing steel and new seismic cables into the new footing as part of the seismic retrofits.



By the end of June, the contractor began erecting sections of the new aluminum roof.

May 2020 Construction Update

HB Reservoir Repair Project



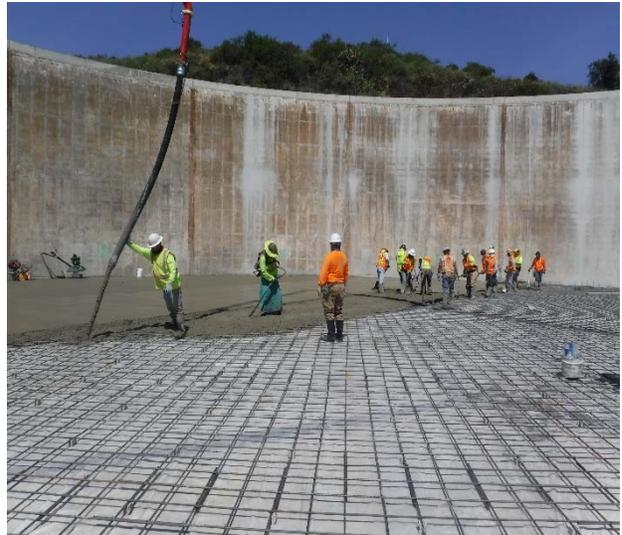
The contractor recently completed removing the existing concrete footing and poured a new concrete slab inside the tank. The contractor will begin erecting the new aluminum dome roof over the next several weeks.

Upcoming Work

Beginning in mid-June, the contractor will begin receiving materials for the new aluminum dome roof. Erecting the new roof is expected to take approximately eight to 10 weeks. Parallel to the roof work, the contractor will continue modifying the existing reservoir footing and the lower section of the reservoir wall to add seismic retrofits needed to protect the tank from earthquakes. In addition, the contractor will continue working on the dedicated inlet and outlet piping improvements to the reservoir interior. Later this summer, the contractor will start work on the pipelines outside the reservoir and apply coatings to the interior of the reservoir.



The contractor completed removing sections of the concrete footing that will be modified to accept new seismic retrofits.



By the end of May, the contractor poured the new reservoir slab.

March 2020 Construction Update

HB Reservoir Repair Project



The contractor recently completed removing the existing concrete roof. This represents a major milestone for the project. The contractor will begin preparation work to support the new aluminum dome roof, which includes pouring a new concrete cap beam.

Upcoming Work

Beginning in late March, the contractor will add forms to the top of the existing reservoir wall and begin pouring concrete for the new cap beam. This is expected to occur in two phases and take approximately one month. Once the concrete cap beam is in place, the contractor will start modifying the existing reservoir footing and the lower section of the reservoir wall to add seismic restraints needed to protect the tank from earthquakes. In addition, the contractor will perform dedicated inlet and outlet piping improvements to the reservoir interior. In late April, materials for the aluminum roof will begin arriving onsite. It is expected to take approximately eight to 10 weeks to erect the new roof once materials arrive.



In mid-January, the contractor began carefully removing sections of the concrete roof.



By early February, the contractor was nearly complete with the concrete roof removal.

January 2020 Construction Update

HB Reservoir Repair Project



The HB Reservoir Repair Project is well underway. The contractor recently completed rough grading and drainage improvements and continues to work inside the reservoir removing demolition debris and erecting the support system for roof demolition.

Upcoming Work

Beginning in mid-January, up to two large cranes will arrive at the site to remove the existing concrete dome roof. During this time, the contractor will cut the existing concrete roof into approximately 115 segments and lift each piece off the roof with a crane. This work is expected to take several weeks and is dependent on the weather conditions.

Once the existing concrete roof is removed, preparation work will begin for the new roof. In addition, the contractor will begin modifying the existing reservoir footing and wall to add seismic restraints needed to protect the tank from earthquakes.



Construction of Storm Drain Improvements

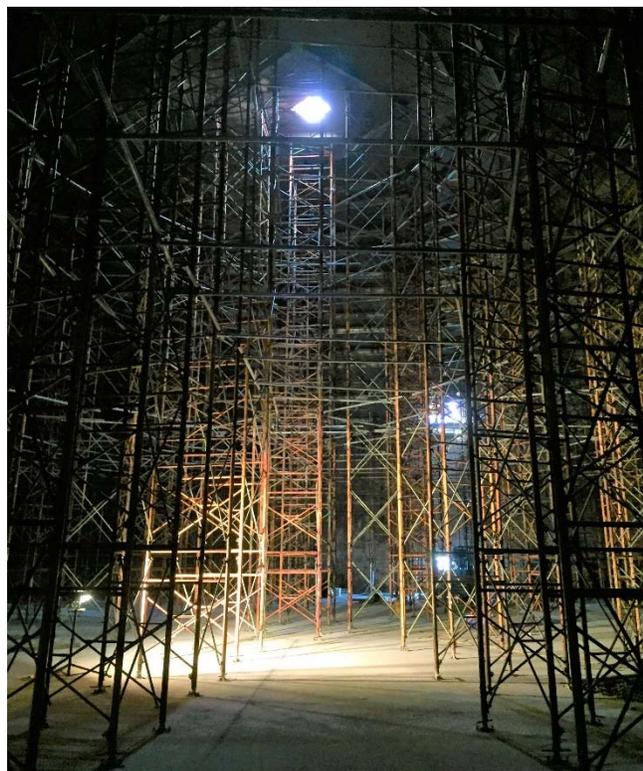


Crews Performing Site Grading Improvements

January 2020 Construction Update
HB Reservoir Repair Project



Crews Installing Support System inside the Reservoir for Roof Demolition



Roof Demolition Support System inside the Reservoir Complete

Construction Progress
November 2019
HB Reservoir Repair Project



Existing reservoir exterior stair removal



Existing exterior stair removal complete



Demolition of common inlet/outlet up to reservoir complete



Demolition of existing above grade yard piping complete

Construction Notice

HB Reservoir Repair Project



Seismic retrofits and structural repairs are needed for Vista Irrigation District's HB Reservoir to minimize earthquake vulnerability and ensure the safety, security, and reliability of the water supply.

WORK REQUIRED

Construction work includes seismic retrofits, structural repairs, replacing the reservoir roof, piping work, fresh paint, new pavement including main access road, and safety and security improvements.

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 HB Reservoir will be rerouted during construction to ensure there will be no disruption to water service.

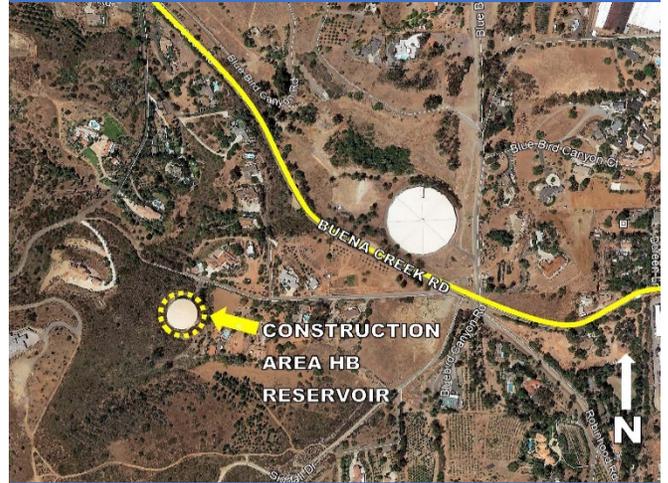
Thank you for your patience during this important infrastructure improvement project.

FOR MORE INFORMATION

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



PROJECT MAP



Construction trucks will access the project site via Buena Creek Rd. Please drive carefully.

CONSTRUCTION SCHEDULE AND HOURS

fall 2019 to fall 2020

Monday through Friday
8:00 A.M. to 4:30 P.M.

No equipment will operate prior to 8:00 a.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

Photos of repair activities similar to the HB Reservoir project.

