

Amador Regional Sanitation Authority



"Servicing Amador City, Martell, & Sutter Creek"

STAFF REPORT

TO: TOM DUBOIS, CITY MANAGER
MEETING DATE: NOVEMBER 20, 2025
FROM: DAN LAFONTAINE, PUBLIC WORKS DIRECTOR

SUBJECT

HENDERSON UNDERDRAIN PROJECT UPDATE

CONSTRUCTION PROGRESS UPDATE:

Underdrain: As of November 12, 2025 the following progress has been made. There are two areas of underdrain piping that have been completed. The first section of pipe from the dumping valve to the parshall flume (outside of DSOD jurisdiction) has been replaced by open cut with 20-inch HDPE pipe. The second section of underdrain pipe from the dumping valve to the concrete encasement has been replaced by 20-inch HDPE. One short section of the 20-inch HDPE, has been installed with flexible Fernco couplings to allow for the pipe to be removed if necessary to facilitate the CIPP. The pipeline is intact and able to allow wastewater to be routed from Henderson down the pipeline to Preston, allowing the contractor to turn off the bypass pumps.

Cleaning of the underdrain piping has been occurring to remove the delaminated Ductile Iron Pipe (DIP) from the concrete encasement. A CCTV was performed on the full length of pipe by NorCal but after 118-feet the camera operator failed to hit record and the footage was lost. A subsequent push camera CCTV was performed from the outlet of the pipe to 118-feet and captured the missing footage. DSOD has reviewed the footage and given approval as long as the contractor will perform the CIPP. Upon reviewing the footage, the areas of concern left in the underdrain occur at 60, 110, and 118-feet as shown in the photos below.

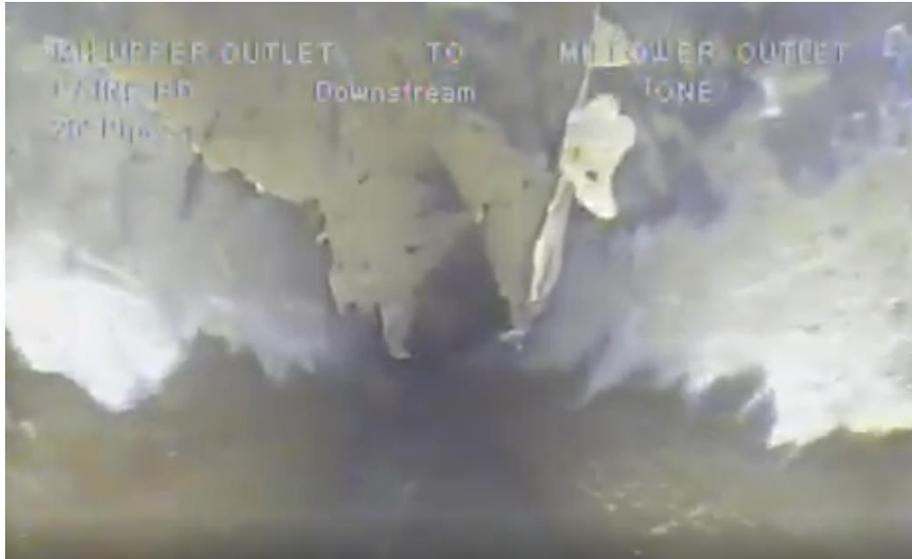


DIP on sidewall @ 62 feet

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Hanging DIP @ 110 feet



DIP @ 118 feet

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CIPP Liner Installation Status: On November 4, 2025, ARSA sent a letter to Campbell construction citing significant concerns regarding their subcontractor NorCal pipeline performance and project delays. ARSA stated that NorCal repeatedly failed to respond promptly to coordination requests, failed to schedule and mobilize resources in a timely manner, and failed to provide appropriate personnel and equipment during critical phases of work including preparation of the existing pipe interior for installation of the CIPP liner. On November 7, 2025 during a conference call questions were raised about the failures of NorCal pipeline. NorCal pipeline stated that a full CCTV was not performed (due to their own personnel issues) and that the CIPP could not be performed without the CCTV but was not willing to perform the CCTV due to the problem areas.. NorCal further stated that they would perform the CIPP but only if ARSA was to accept full liability of the liner and equipment. When that request was denied, NorCal walked off the job. Campbell construction is working to secure another subcontractor currently.

Pier Repair Status: ARSA is currently working with a local metal fabrication shop to obtain new brackets and threaded rods for replacement on the pier. The metal shop will have all parts to ARSA by December 1, 2025. ARSA will also fabricate a support structure to lift the end of the pier back to level. The support structure will be field fabricated and all of the brackets and rods will be replaced the first week of December. A new staff gauge will also be installed along with alignment of the waterman valve stem after the pier is properly supported.

STORAGE CAPACITY

As of November 12, 2025, Henderson is still at historical lows as water is filling the sludge in the reservoir currently below the empty line. Preston reservoir is at approximately 30 acre-feet. Flood irrigation is still operational at Bowers Irrigation and is providing minimal relief due to groundwater saturation. Flood irrigation will be turned off after the first significant storm of the season which is anticipated to be very soon. Any further storms will be routed through the temporary underdrain pipe to Preston.

NEXT STEPS

Campbell construction has stated that they will return and perform more cleaning on the underdrain in hopes of clearing the DIP from the problem areas. At the same time, they are looking for another subcontractor to perform the CIPP liner. Installation of the pier brackets, rods, and support structure will occur the first week of December.