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MEMORANDUM

Date: October 15, 2025

To: East Range Water Board

From: Josh Stier, PE
Brian Guldán, PE
Jacob Crispo, PE

Subject: Engineering Project Updates – ERWB Water Project

This technical memorandum provides a status update on recent progress concerning the Water Projects including an update on the expansion design. Photos from drone flights in June are included for the raw water and water treatment plant construction projects.

Raw Water Building

ECI has successfully completed the boring to Embarrass Pit and installation of the intake screen. Originally, ECI planned to remove the tunnel seal after the casing and piping were installed, but now ECI, Magney, and BMI are working to coordinate a solution for leaving the tunnel seal in place by encasing it in reinforced concrete. BMI is also working with Magney and the pump suppliers to ensure the final design for the structural slab at the bottom of the caisson is adequately reinforced without impacting pump layout and construction. Magney is ready to begin work on the structural slab and the building when ECI finishes pouring around the tunnel seal.

Water Treatment Plant

Patching and sealing of the precast walls have been completed this month. The electrical contractor has been installing underground conduits, and the plumbing contractor has been installing underground plumbing. Following installation of the underground plumbing and electrical components, Magney has poured the concrete floors for the building. They also grouted the slope for the backwash tank. Roofing work is anticipated to be complete by October 10th.

Hoyt Lakes Expansion

Our design team has completed an initial review set on the water treatment plant portion of the expansion. We will be reviewing and providing comments to subconsultants to continue working towards finalizing plans and specifications for the WTP portion of the project this year. Our civil team has been working to determine the final locations of the watermain from Aurora to Hoyt Lakes along with possible locations for the booster station along this route. We plan to discuss potential locations for the booster station at this month's meeting.