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MEMORANDUM

Date: September 9, 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 been onsite setting up the microtunnel boring machine (MTBM) and equipment. They successfully bored the 44" casing through to the Embarrass Pit on August 22nd. Since then, they have been completing the piping and are adding grout to fill in voids around the pipes. The MTBM equipment has been pulled out of the caisson while they add carrier pipes and attach the screen. They will be working on installing the HDPE piping for future air burst and CIG systems. ECI is planning to complete their work and demobilize by the end of September at which point Magney will begin work on the building.

Water Treatment Plant

The precast wall panels and hollow core planks have been installed at the water plant site. Testing and certification has been received for the precast welds. Magney has been prepping the parapet roof for the roofing contractor to do their work. Magney has also been installing piping between the building and backwash tank and installing the sludge removal equipment in the sedimentation tanks. Leak testing was completed for all interior process tanks. Magney will be adding grout in the backwash tank and then leak testing. Plumbers and electricians have been onsite running underground wires and piping in preparation for pouring of the concrete floor. Concrete work this month included overflow splash pads, stoops, and tank access hatches.

Change Order No. 3 for the water treatment plant was executed to incorporate the value engineering cost savings into the contract. Change Order No. 3 also includes value added additions for field orders to date.

Hoyt Lakes Expansion

Our design team is continuing work on the design for the Hoyt Lakes WTP Expansion along with the booster station, and new watermain to connect Hoyt Lakes to the system. We have received some pricing for Proposal Requests from Magney for items that the Board should take into consideration on the current project which could offer various benefits for the expansion.