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MEMORANDUM

Date: January 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 Project. Each of the three portions of the project are discussed separately below.

Raw Water Building

Bolton & Menk continues to work with the Minnesota Department of Natural Resources (DNR) in efforts to finalize the water appropriation permit documents and afford DNR to issue the permit. To date, the ERWB has approved all draft permit documents and notification has been sent to DNR. The ERWB has signed the DNR Monitoring Plan and water supply contingency plan (WSCP) between the ERWB and IRRR. The WSCP subsequently was provided to the IRRR for signature. On January 7th, representatives of the IRRR signed and returned the WSCP. On January 7th, Bolton & Menk provide the signed monitoring plan and WSCP to DNR. The permit will be issued once all permit documents have been executed by DNR. It is anticipated the permit should be issued in the week of January 13th.

The revised plan set for the raw water intake building structure has been issued as Field Order #3. Bolton & Menk will work with Magney on any further clarifications or adjustments needed to the plans as necessary. Magney will be able to finalize their work on an updated schedule of values for the raw water intake portion of the project and we are hoping that savings will be around half a million dollars.

The forms and rebar for the caisson are in place for the first lift and ready for concrete. Originally concrete was scheduled for January 3rd, but with the cold weather it was rescheduled for January 9th. Divers have inspected the site for the intake piping running out to the lake and Bolton & Menk's survey team will be marking the end of pipe the week of January 13th.

Water Treatment Plant

Cold weather and lack of snow have slowed construction at the water plant a little bit. Magney installed a run of pipe from the Filters to the Backwash tank and encased it in concrete. Footings for the water treatment plant building have been dug and formed. Iron workers are scheduled to install rebar January 9th, and the footings will be poured the week of January 13th. When temperatures have inhibited some of the outside work while the ground thawing equipment has been running, Magney has been grouting the inside of the tanks filling tie holes.

We continue to coordinate submittals with Magney to ensure equipment and materials are ordered and delivered in accordance with the anticipated construction schedule.

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Magney has given us a revised schedule of values for the Value Engineering process which reflects the cost changes and savings associated with the WTP redesign. The initial estimate of savings from the Value Engineering process for the water treatment plant portion of the project came in at about \$1.45 million. Bolton & Menk will be meeting with Magney to go through all the cost breakdowns to ensure that all project changes have been accounted for.