



THE DIRT

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MOUNTAIN HOME AIR FORCE BASE SUSTAINABLE WATER SUPPLY PROJECT BEGINS CONSTRUCTION

Construction has started on the Mountain Home Air Force Base (MHAFB) Water Resilience Project, with a goal of completing the pipeline portion of the work by the end of October. As of August 1st, the team has already welded 10 miles of the 15-mile pipeline. IMCO's skilled pipe crew has been welding as much as a half mile of 20-inch pipe per day.

Subcontractor Hodge Western is using two large rock trenchers to cut 42- to 48-inch-wide trenches that allow the pipe crew to install the pipe at a faster pace. Sawtooth Directional Drilling is performing five directional drills roughly ten feet deep below the roadways, ranging from 80 to 300 feet long, mostly through solid rock.

Project Manager Nick Miller said, "The team is having fun optimizing this unfamiliar site and activities. I appreciate that the crews are tackling every task better than the previous day, with great attitudes."

The completed pipeline will convey water from the Snake River to a new water treatment plant (WTP) at the MHAFB. The 8,600 residents at the base rely on groundwater wells for water supply. The aquifers that currently supply the base's drinking water have been declining at a rate that is not

sustainable. The importance of the MHAFB to the Idaho economy led the Idaho Water Resource Board to evaluate and create a plan that focuses on using the Snake River as the new source of water supply.

In October, IMCO crews will be allowed to start work within the Snake River canyon. They will construct a new intake in the Snake River with three vertical turbine pumps to convey 3.64 million gallons per day through the pipeline. The system will include supervisory control and data acquisition for integration with the new WTP building, surge protection, backup generation, a cleaning system for the intake screens, cathodic protection for any steel pipe, drains, air release considerations, and security systems to meet Air Force requirements.

The project team will continue to grow as work increases throughout the summer. Many existing IMCO Treasure Valley skilled craft have joined the Mountain Home team along with new talent. The next milestone includes the construction of the intake, pump station, and steel pipeline located at CJ Strike Reservoir.

Congratulations to this team for getting this project off to a great start!

MAJOR MILESTONE ACHIEVED AT OXBOW

Over the past two and a half months the Oxbow team worked during a shutdown to demolish the existing hatchery facility, install two submersible well pumps, commission and test the new chiller and backup generator, and work closely with the controls integrator to ensure the equipment and instruments were in sync.

Idaho Fish and Game brought 20,000 trout eggs to the newly constructed incubation room on July 9th to trial the facility. The eggs are stored in stacks that have a constant flow of well water running over them. This water is perfectly chilled by the new state-of-the-art chiller. Idaho Department of Fish and Game has been running the chiller and incubation room at full capacity for testing, 24-hours a day with no issues. Meeting this major milestone is a great achievement.

The Oxbow project team will finish construction of the adult holding facility at the end of August and the spawning facility by the end of September. These two buildings will be tied together and utilize a fish lift to move fish throughout the two buildings. Once these two buildings are near completion, the team will demolish the existing holding ponds and begin the final grading and site work. The project will be complete by October, when Idaho Fish and Game will begin to bring adult steelhead to the hatchery.

CITY OF BELLINGHAM ROEDER LIFT STATION

The Roeder Lift Station project in Bellingham, WA has continued to advance throughout the summer. A full-time traffic control team along Roeder Avenue is maintaining one lane of traffic on the busy waterfront thoroughfare to accommodate gravity sewer lines and force main installation work. The lift station wet well structure walls have been poured. The Roeder team will backfill the deep lift station structure and remove the supporting sheetpile walls by early fall. Once this is complete, an IMCO crew will construct the lid to the structure and all of the internal concrete structures. The concrete masonry unit electrical building will be constructed on top of the wet well, which will house much of the electrical and control equipment that will operate the sewer lift station.



Aerial shot into the concrete wet well of the future lift station.



Six custom 12-inch pipes connect to a table on the second floor of the sorting room and snake their way to each raceway in the holding facility. A creative solution achieved by the Oxbow team, their supplier, and the design engineers. Soon fish will be making their way down the pipes as they are sorted to each raceway.

HAPPY VALLEY BATTERY ENERGY STORAGE SYSTEM

The Happy Valley project began construction July 1st and will continue through June 2025 with a team of 20 at its peak. For many team members this will be the fourth battery energy storage system (BESS) project for this client since July of 2022. The management team and skilled craft are great examples of how tackling and delivering projects that build client relationships secure future opportunities and make a positive impact on the community.

The goal of the battery storage sub-station projects is to supplement the power grid during peak usage hours and recharge during slower energy demands. This project is continuing to support the client's goal to produce 100% clean energy by 2045.

The five-acre site is preparing to receive the 146 battery units in September, which will take two months to set. Electrical installation will be completed in December, with final project completion in June 2025.

BOISE AREA NEW YORK CANAL IMPROVEMENT PROJECT PLANNING FOR A

In May 2024 IMCO was the low bidder on a canal improvement project for Boise Project Board of Control. The \$10 million project involves removal, disposal, and replacement of one mile of existing concrete, asphalt, and earthen canal lining with a multi-layer geocomposite canal liner membrane and steel reinforced concrete cap. Boise Project Board of Control is the client and operating agent for five southern Idaho irrigation districts. They oversee New York and Mora Canals and 460 other canals and laterals that equal approximately 1,500 miles. The New York Canal is 40 miles long and diverts water from the Boise River to help farmers throughout the Valley. IMCO's project is located in southeast Boise; it is scheduled to start construction in October and wrap-up in early spring 2025.

NEW LARGE-SCALE INDUSTRIAL WASTEWATER TREATMENT FACILITY IN MOSES LAKE, WA

IMCO is constructing a new process water treatment (PWT) facility in Moses Lake to treat and reuse food processing effluent from the new adjacent facility. The PWT will have a return capacity of more than 2.5 million gallons per day and will operate around the clock after construction is complete. IMCO is responsible for the mechanical scopes of the project and has hired key subcontractors for the electrical, instrumentation and controls, and bolted steel tank construction. The PWT has six different work areas, four of which are new construction and two for retrofit. This project will kick-off in September 2024 with completion expected in August 2025.

HYDROGEN PRODUCTION & FUELING FACILITY NEARS COMPLETION

The hydrogen team is wrapping up their remaining scopes of work at the Hydrogen Production and Fueling Facility. The team has been completing work on the exterior fuel islands and mechanical piping on the Cummins utility equipment. They have installed finishing touches to the office, including new countertops, cabinets, and bathroom and locker room assemblies. The specialty subcontractor will be installing hydrogen and nitrogen process piping until September, followed by start-up and commissioning until project completion in December.

"IMCO's craft has excelled on delivering a project of extremely high quality. They've made it easy to be proud to be part of building Washington's first green hydrogen facility," said Brandon Wallman, assistant project manager.



KUNA OFF-SITE INFRASTRUCTURE PROJECT COMPLETION

Congratulations to the East Kuna Off-Site Infrastructure Project team for wrapping up IMCO's largest Boise-area project to date. In 2022 IMCO began construction of a new water supply and wastewater system to support a large-scale data center in East Kuna, Idaho. The final product is a well-supplied water facility with storage and pump stations, and a wastewater treatment facility. IMCO's skilled pipe team connected the entire system with conveyance piping that links the data center campus to the water operations facility and the wastewater operations facility throughout the 60-acre site. The project included over 12 miles of pipeline and two and a half miles of new county roads.

"This project took an army of IMCO personnel to complete. Over 100 IMCO employees worked on the project, requiring sacrifices from many people to travel and support a labor-intensive effort. **The needs of this project showcased what IMCO is capable of, and I am thankful to have a team willing and able to take on projects like this.** The Kuna team did a great job of overcoming challenges and maintaining the client relationship. The scale of this project was impressive, 60,000 lineal feet of underground pipe, a 60-acre site, eight different pump stations, and over 350,000 cubic yards of earthwork! I want to thank every person who contributed to this successful project. This type of project does not come along often, and I am proud we were a key player in a successful delivery," said Brett Himes, operations manager.

CITY OF EVERETT RESERVOIR 3 REPLACEMENT BEGINS CONSTRUCTION

The City of Everett Reservoir 3 Replacement Project commenced on July 15th. This is phase one of a two-phase plan to replace the 100-year-old Reservoir 3, which stores two-thirds of Snohomish County's drinking water. Following a structural assessment, it was determined that the original reservoir might be at risk during a significant seismic event. The new reservoir structure will provide an upgraded system to serve the community.

Phase one work includes labor, materials, and equipment to construct an eight-million-gallon prestressed and partially buried concrete tank, including a shoring system, dewatering, electrical and instrumentation and control systems. The work includes demolition of an existing six-story fire training tower facility, cutting and capping utility lines, installation of steel water piping, and installation of two large stormwater detention vaults.

This project faces a tight project schedule and will be constructed in multiple work windows. The tank construction is scheduled to last 12 months, leaving six months to perform the demolition, excavation, site finishes, and testing, of the electrical and instrumentation systems. All draining, cutting, testing, and tie-ins to existing water transmission lines must be completed within 48-hour shutdown windows, allowing the city to recharge the lines and resume service.

On July 23rd, the City of Everett hosted a ceremony to celebrate the groundbreaking of this important infrastructure improvement project. Attendees included City of Everett representatives, IMCO's Reservoir 3 project team, the Mayor of Everett, Cassie Franklin, and IMCO's CEO, Tyler Kimberley.