

## MEMBER PROJECT PROFILE — FAIRVIEW PUMP STATION BYPASS, DETROIT

MITA Members Mersino and Weiss Construction have been involved with the largest bypass to date in all of North America located at the Fairview Pump Station in Detroit.

The 120 million gallons per day (MGD) project began in mid 2019, and is slated for completion by late 2021. Once on site, Mersino was asked about the feasibility of providing a much higher volume system capable of approximately 200 MGD or, more realistically, the largest system that could be provided in the limited-sized gate structure that was located upstream of the work area. Mersino designed and proposed multiple upgrades to achieve this desired new duty point. In late 2019, Mersino was given the green light to begin installing the larger system, now consisting of a seven-pump system versus the original five pumps.

Weiss Construction updated many elements of the existing pump station structure, so that this system will be newly designed to bypass incoming wastewater flow from the Detroit River Interceptor (DRI) to the Fairview Pump Station. The new design will now be able to pump from the 33-foot-deep gate structure upstream of the work area and temporary bulkhead, returning flows to the DRI through the north stop log chamber, located downstream of the pump station approximately 80 feet away. **CS**



View from the last pump base plate porthole before the 7th and final pump was installed into the bypass pumping structure (Gate House Shaft).



Just a small portion of the team involved in making this huge system work. Gino Mersino (CEO), Jeff Dinnan (VP of Service), Rich Eady (Project Manager), Mike Medling (Fusion Operation Manager), Joe Cherluck (Lead Engineer), Ryan Fuller (Site Foreman), Tim Liley (Design), in addition to all Mersino Dewatering Operators and Global Pump Design & Engineering Teams.

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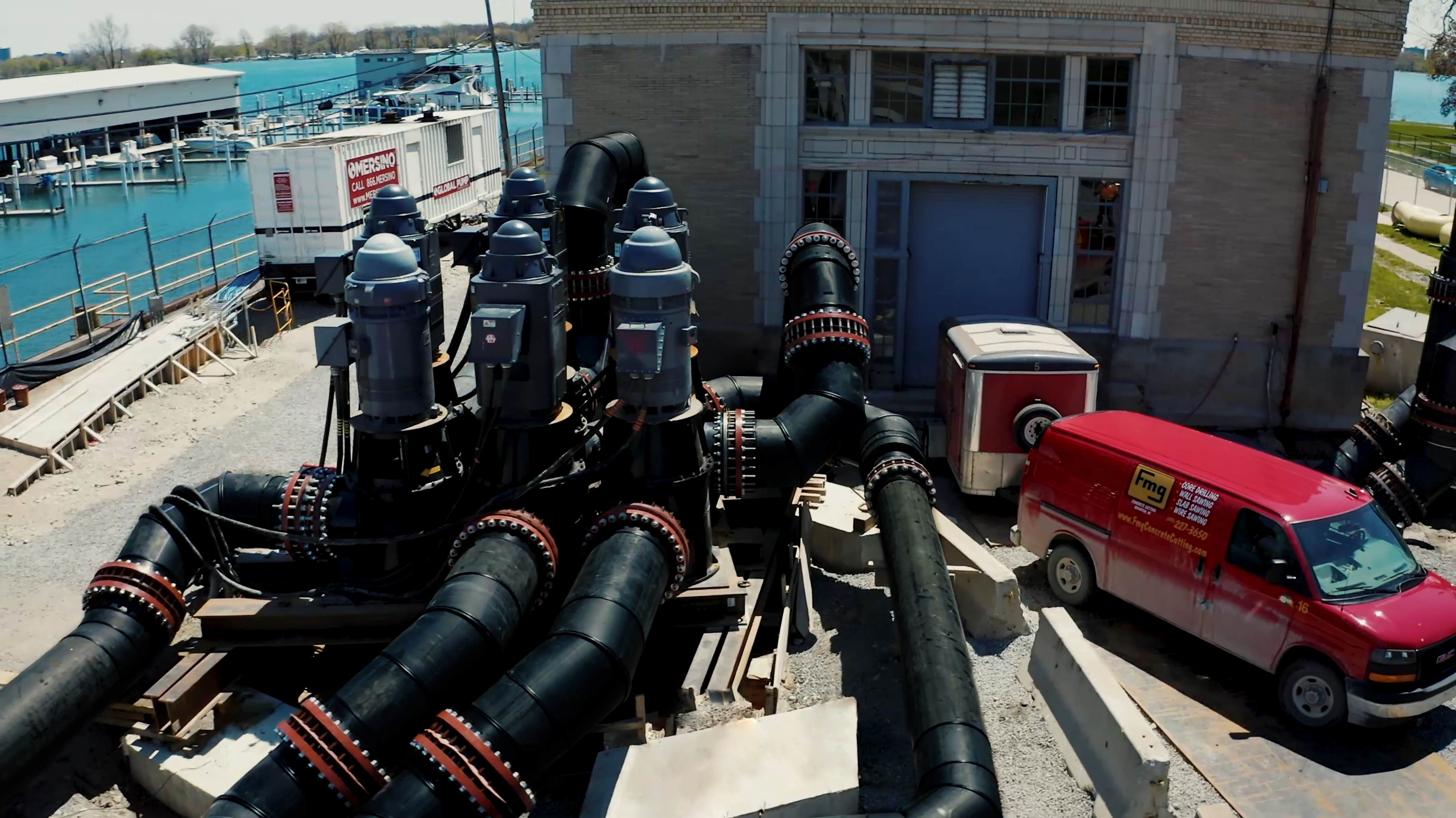
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