

Northwest town makes a quick pump station change

With the recent replacement of the wastewater lift station on NW Brady Road in Camas, Wash., Romtec Utilities has put ten sewage pump systems in the town. This project presented several design challenges plus the need to get the replacement station installed quickly, with minimal disruption and at affordable cost.

The old pump station on busy NW Brady Road in Camas, Wash. had a reputation for pump failures, and maintenance and corrosion problems. The station, one of the city's largest, served the populated west side of town.

The Camas Public Works Department had replaced four wastewater pump stations in as many years, but the Brady Road station posed some challenges. First, it could not be taken out of service. Second, the site's small footprint

complicated the mechanics of building on it. The logistics were tough, too: the station is next to a steep slope and lies alongside Brady Road. Any construction would mean blocking one traffic lane.

"We had to complete the project efficiently and fast," says Jim Hodges, capital projects manager for the city. As in previous pump station replacements, the department installed a pre-engineered system made by Romtec Utilities.



New wet well and control shelter.



Old pump station before replacement.



Aerial view of old pump station at intersection of NW Brady Rd and McIntosh Rd.

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New wet well with Tnemec coating.



Contractor George Schmid & Sons has installed many Romtec Utilities pump stations in the Camas, Wash. area.

“The project was very successful. It was built on time, under budget, and we had no change orders,” says Hodges. “The system was exactly the way we wanted it. We put it in, it worked, and we walked away.”

Lift station components — structural, mechanical, electrical, and communication — arrived in coordinated deliveries. The integrated system, configured to meet the city’s requirements, came pre-tested and ready to install.

A standardized lift station network

By using Romtec’s complete systems Camas has gone a long way toward standardize its lift station network. “The stations are all similar, enabling our maintenance people to work on them easily,” Hodges says. “They don’t have to learn different telemetry for different stations, and the same is true for the pumps.”

Quick completion, with a twist

The old pumps remained fully functional during installation of the new system. Workers left the existing power service intact, installed its replacement, then started up and tested the new station before decommissioning the old. The entire project took less than two months.

The city added an innovative twist to the project. Contractor George Schmid & Sons of Washougal, Wash., removed the pumps from the old wet well and piped that well into the new Romtec 8’ dia. precast concrete wet well. Connecting the wet wells gave the lift station more storage capacity. As a result, the pumps have to run less frequently.

“We know the city’s west side is going to grow,” says Hodges. “Replacing the Brady Road pump station has made that expansion possible, and the Romtec system is providing critical reliability, as it does in our other pump stations.”

For More Information

Romtec Utilities designs, manufactures & delivers complete pre-engineered lift stations for wastewater, stormwater and industrial pumping applications.

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October 19-22, 2008

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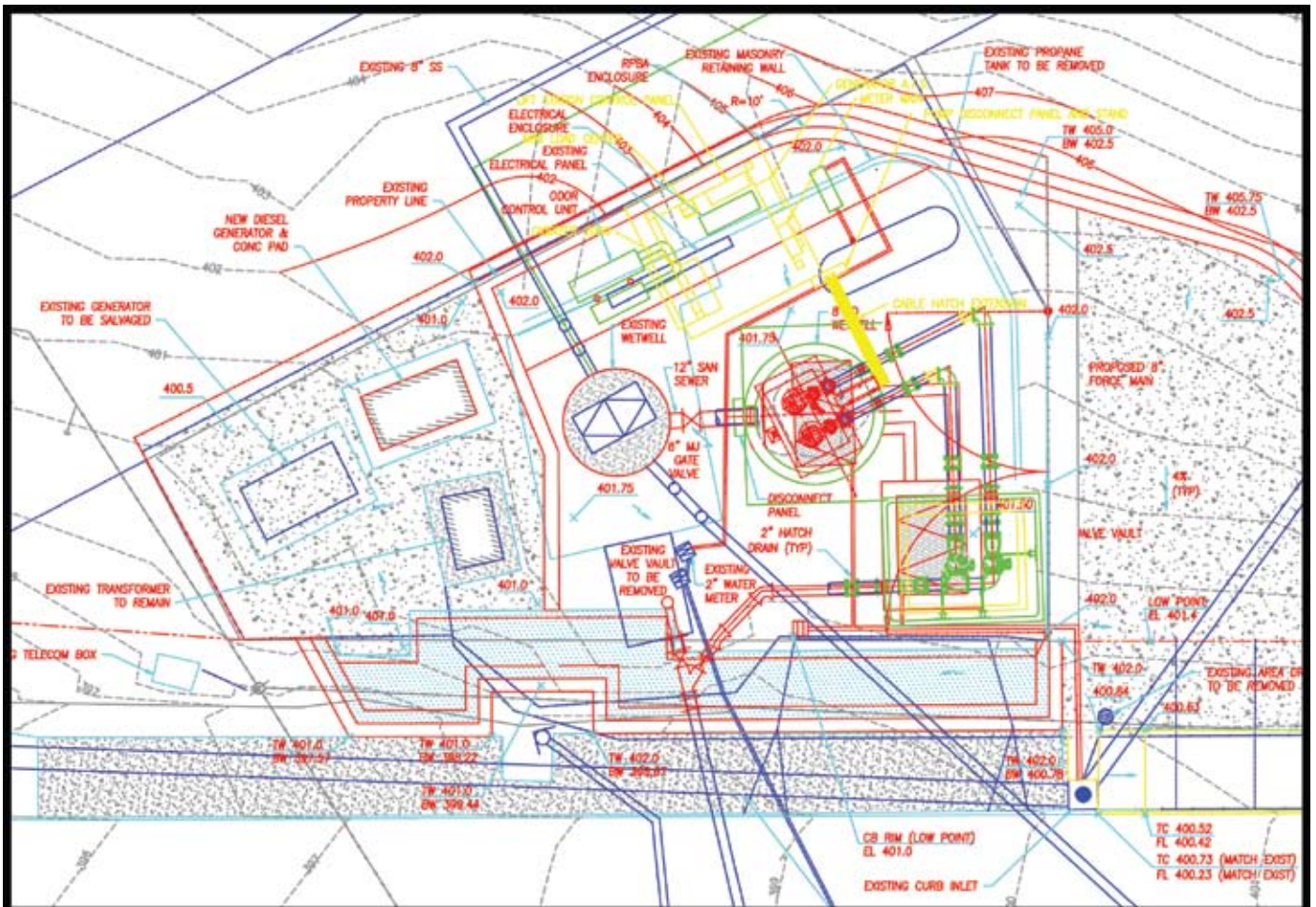
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Pre-Engineered Lift Stations for Wastewater, Stormwater and Industrial Pumping



New Romtec Utilities wastewater lift station.



Part of NW Brady Rd project site plan.