



BERNER CONSTRUCTION, INCORPORATED PROJECT SUMMARY

Project Title: Dundalk Marine Terminal 12th Street Vault Construction.

Location: Baltimore, MD

Scope: Provide labor, material, tools, and equipment to install a water line support, storm water bypass system, pre-cast concrete vault and lined utility trench.

Berner Construction was awarded a contract from CH2M Hill for the safe and effective installation of a 160,000 pound, dual chambered, precast concrete vault, twin 54-inch Tideflex duckbill style check valves, and associated pipe connections. The project is part of an ongoing effort to minimize the infiltration of groundwater potentially contaminated with chromium ore processing residue (COPR) into storm drains at the Dundalk Marine Terminal (DMT).



Placement of the Precast Vault Sections

As part of the project, Berner was required to divert the stormwater around the worksite. Berner installed a bypass system capable of managing up to 25,000 gallons per minute using multiple pumps and 24-inch diameter piping while maintaining port traffic.

The project included the installation of the coffer dam and the supply of the precast structures, which were completed under separate contract, but scheduled to coincide with Berner's scope of work. Berner was responsible for the lifting and placement of the precast structures, installation of stormwater check valves inside the vault, replacement of 86-inch by 118-inch elliptical stormwater piping, interconnecting piping between the vault and manhole sections, and the electrical installation of the stormwater pumping system.



Completed and Backfilled Stormwater Vault