

Port of Vancouver Vancouver, WA



PROJECT PORTFOLIO

Product:

Aquaduct custom 12" trench drain with ductile iron slotted grates



The rehabilitation of Terminal 3, Berth 8/9 at the Port of Vancouver required a large capacity drainage system to remove the large volumes of surface water common around the port. In order to meet the hydraulic requirements, a high capacity trench drain and grate would be needed. The grate would also need to withstand heavy loadings from forklifts and equipment. A custom solution from Aquaduct proved to be the most effective solution.

The project was originally designed as a 18" wide cast-in-place trench drain but Aquaduct engineers were able to demonstrate that equivalent hydraulic performance could be achieved using a 12" wide trench.

Significant labor savings were achieved through the use of a smaller system. Additional savings also resulted from the use of narrower grates.