



ACO. creating  
the future of drainage

## PORTFOLIO

### Port Manatee Palmetto, FL

Port Manatee is one of Florida's largest and fastest growing seaports located in the eastern Gulf of Mexico at the entrance to Tampa Bay.

#### Project Design Brief

The rehabilitation of Berth 5 at Port Manatee in Palmetto Florida required a large trench drain system to remove surface water with minimal grades. The trench drain and grate would also need to meet the large hydraulic capacities required and withstand the heavy duty traffic. A 24" wide cast-in-place trench drain was originally specified, but hydraulic calculations using ACO's 'Hydro' software showed that equivalent hydraulic performance could be achieved using an 18" wide trench.

#### Benefits

- This narrower solution would result in lower grate costs.
- Aquaduct custom 18" reduces labor cost due to less time, excavation and concrete required during installation.

### ACO AquaDuct Aquaduct Custom 18" Trench Drain with Ductile Iron Slotted Grates

[www.acoaquaduct.us](http://www.acoaquaduct.us)

