



## Marina



### Elliot Bay Marina

This project was cooperatively designed with the owner to facilitate constructability. The 1,200 slip boat marina covers an area approximately 2,300 feet by 800 feet at the base of the Magnolia Bluff in Seattle. Key elements of the work included dike and breakwater construction as well as a 'rubble mound' breakwater. The 500,000 c.y. breakwater that reached an elevation of +20 was installed for protection to the south. Additionally, a 850 LF breakwater was constructed of steel H-piles and concrete panels to protect the west face.

Facility improvements also included sewer and water line installation and asphalt paving. Concrete bridge roadway off-ramps to the site were also constructed.

Environmental compliance was achieved for this project through establishing mitigation fish habitats to replace that lost by construction.

Manson Construction received a Letter of Commendation from the Elliot Bay Marina Group for this project.



