M. James Gleason Boat Dock
Portland, Oregon

Client:
Metro
Portland, Oregon

Contract Value:
$2,192,952

Project Timeline:
Started: October 2008
Completed: March 2009

Project Highlights:

- Installation of 50, 18" & 24" steel pipe piles
- 2,855 SF of Concrete Floating Dock
- 135' long aluminum gangway
- 198 LF of pre-cast concrete wave attenuator wall
- Piles for attenuator wall driven +/- 2" for pre-cast panel installation
- Attenuator panels to extend 8" below river bed to prevent scour under panels

Located at Northeast 43rd and Marine Drive, new construction on the M. James Gleason Boat Dock was completed in March of 2009. The project included the removal of existing docks and wave attenuator wall. The new structure will reduce debris in the boat basin and wave impacts from the Columbia River on boarding floats. Part of a master plan, the project also replaced all of the downstream floats, piles and the gangway.

The wave attenuator was built with 18" x 1/2" pipe piles driven up to 28' penetration below mud line. Piles had to be accurately driven for location and depth to ensure special, pre-cast concrete panels would fit properly. The panels were installed, starting at 8' below the river bottom to prevent scour under the panels.

The project included 2855 sq. ft. of new pre-cast concrete floats anchored with 24" x 1/2" pipe piles. Other features included fire protection piping, water piping, sewer piping, electrical work and a 135 ft. long aluminum gangway.

Advanced American Construction, Inc.
PO Box 83599 | Portland, OR 97283 | 503.445.9000 | www.CallAAC.com