

CAPITAL PROJECT NARRATIVE

Program Area:	Transmission and Distribution
Project:	490 Zone Transmission Main and PRV Station
Project Number:	07-1

PURPOSE and DESCRIPTION OF THE PROJECT

The project consists of two separate schedules:

Schedule A is for construction of the new North Hill Transmission Main including approximately 1,250 linear feet of 12-inch dedicated transmission main from the North Hill Tank, along S. 208th Street to 1st Avenue S. It will also include a new variable frequency drive pump at the existing Pump Station #3 facility. The project will also include construction of approximately 10,500 linear feet of 8-inch distribution main for additional system fire flow and circulation improvements in the North Hill and Normandy Park area of the District.

Schedule B is for the installation of approximately 4 new Pressure Reducing Valves (PRV) in concrete vaults in the southern portion of the 490 Zone to alleviate high pressures in the area south of Kent-Des Moines Road, north of S. 272nd St., west of Pacific Highway S. and east of the Puget Sound. Also, approximately 4,500 lineal feet of 12-inch main will be installed to address fire flow deficiencies along 25th Avenue S from S. 236th St. to Kent-Des Moines Road.

All aspects of the construction project will include required valves, hydrants, controls and appurtenances as well as restoration of the project sites to pre-construction condition. The existing mains included in the project are estimated to be more than 50 years old and have met or exceeded their expected design life. They will now be constructed of state-of-the art materials and installed with current construction techniques.

Because of the low bid received on February 19, 2009, the Board of Commissioners and the Public Works Trust Fund Board approved the installation of 2,300 LF of additional water main replacement within the 490 Zone.