

CAPITAL PROJECT NARRATIVE

Program Area:	Transmission and Distribution
Project:	Segale Water Main Replacement/Southcenter Parkway Extension
Project Number:	06-1

PURPOSE and DESCRIPTION OF THE PROJECT

Highline Water District's service area boundary in relation to this project is: I-5 to the west, the Green River to the East, S. 178th / 180th St. to the North and S. 204th St. to the South. The City of Tukwila is currently working with the developer (Segale) to turn approximately 500 acres of undeveloped property into a combination of commercial/retail/residential improvements.

The first portion of the project will be the improvement/creation of Southcenter Parkway South (replacing Frager Road) under a Public Works Contract by the City of Tukwila. The improvements will extend the current Parkway from S. 178th St. and run south to approximately S. 200th St. Under a separate proposal yet to be defined by the City/Developer, S. 178th St will be relocated to the south to eliminate the steep grades near the intersection of Southcenter Parkway.

In addition to the main replacement associated with this project, the pressure zone boundary will be modified to reduce the existing high pressures in the valley. Several PRV stations will be installed to reduce the pressures to a maximum of approximately 150 psi (a reduction of approximately 80 psi.).

The District will pay for the cost of replacing the infrastructure based on the existing size to accommodate the new roads. All additional costs to "upsized" the mains to provide adequate domestic capacity and/or fire flow for the future development will be borne by Tukwila and/or Developer. The District and the Developer will share in the costs of the PRV stations.

The existing mains included in the project are estimated to be more than 40 years old and are near the end of their expected design life. They will now be constructed of modern materials and installed with current construction techniques.

Existing Pipe					
Size	Type	Length	Along	From	To
6	CI	2500	S. 178 th St.	I-5	S. Center Pkwy/Frager
8	CI	8500	S. Center Pkwy/Frager	S. 180 th ST	S. 200 th ST
Total		11,000	LF		