



**CITY OF KIRKLAND**  
**Department of Public Works**  
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[www.ci.kirkland.wa.us](http://www.ci.kirkland.wa.us)

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## **MEMORANDUM**

**To:** David Ramsay, City Manager

**From:** Daryl Grigsby, Public Works Director  
Ray Steiger, P.E., Capital Projects Manager

**Date:** September 19, 2006

**Subject:** 116<sup>TH</sup> AVENUE NE WATERMAIN REPLACEMENT - AUTHORIZATION TO BID

### RECOMMENDATION:

It is recommended that the City Council authorize staff to advertise for contractor bids on the 116<sup>th</sup> Avenue NE Watermain Replacement Project.

### BACKGROUND DISCUSSION:

The 116<sup>th</sup> Avenue NE Watermain Replacement Project includes the replacement of approximately 1,100 lineal feet of 8" AC watermain with 12" ductile iron pipe (Attachment A). The watermain serves a large area and includes eighteen individual services and one fire hydrant in the project area; the replacement of these water service lines and fire hydrant connection is included in the work.

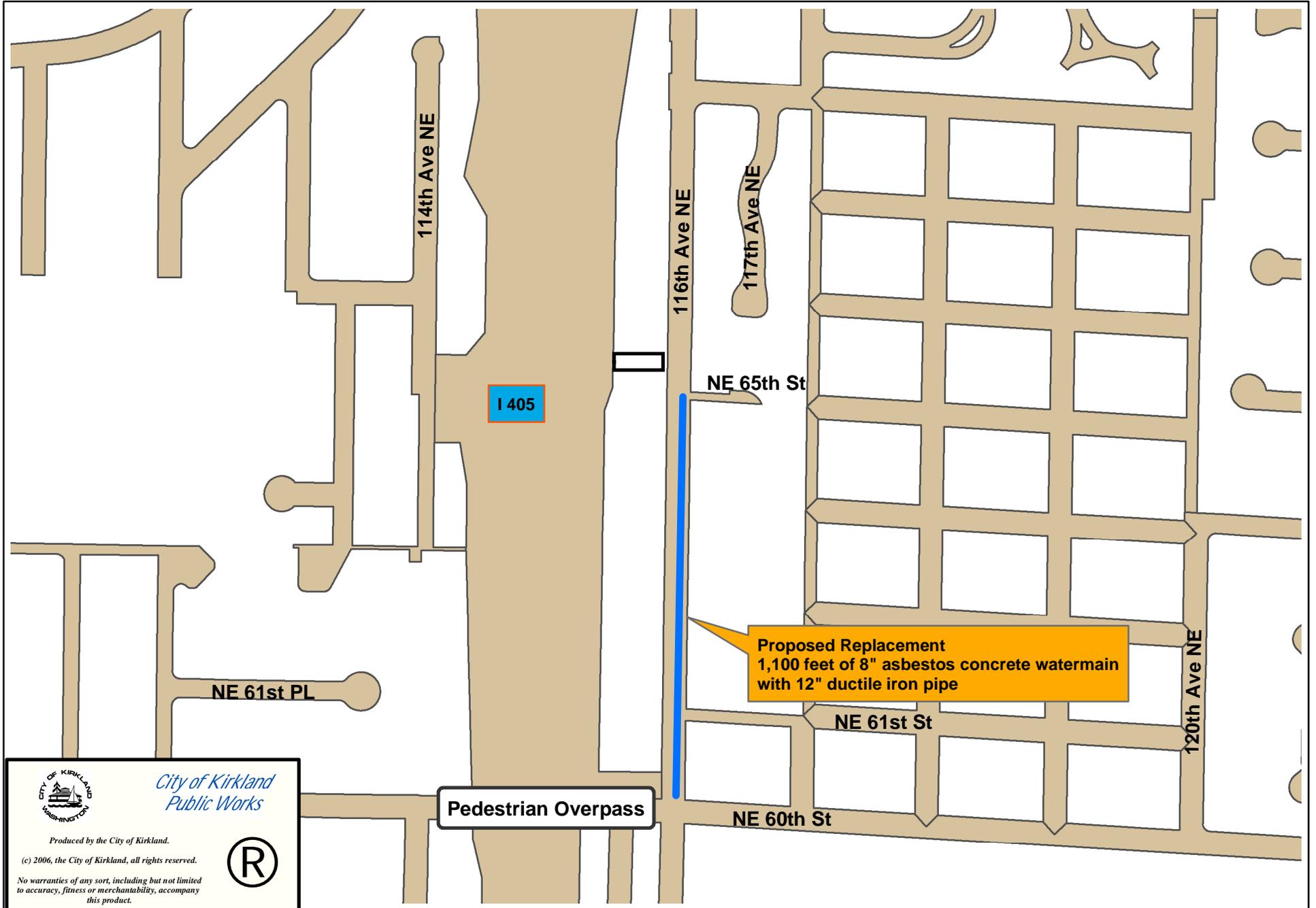
The 116<sup>th</sup> Avenue NE Watermain Replacement Project was funded through Council action on May 2, 2006, and was developed out of the design and development of the 116<sup>th</sup> Avenue NE Non-motorized Facilities Project. The non-motorized facilities project includes the construction of significant surface water elements in the proximity of an existing asbestos cement (AC) watermain. Historically, AC waterlines are prone to failure if disturbed, and with the proximity of proposed surface water improvements, the number of conflicts realized between the existing AC watermain and surface water improvements, and the water comprehensive plan recommendation for upsizing the existing main, council determined that the existing AC waterline must be replaced and relocated in advance of the storm drainage improvements.

On May 2, 2006, staff estimated a total project budget of \$260,000 which included \$200,000 for construction. Since the project was funded, staff has retained an engineer and has proceeded with project development; the engineer's estimate for construction is \$298,000. With an anticipated increase of \$98,000 to construct, the total project has now increased to \$370,000; which is approximately \$110,000 over the amount funded (Attachment B). Reasons for the increased cost include: a more extensive asphalt road section repair than originally expected, and the continued increase in construction material and operating costs.

With authorization given by Council at their October 3, 2006 meeting, contractor bids will be opened on October 25, 2006 with construction anticipated to take place in November and December, prior to the more significant non-motorized facilities project scheduled for construction in summer 2007.

Attachments

Vicinity Map  
116th Avenue NE Watermain Replacement  
WA 0114



 **City of Kirkland**  
*Public Works*

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# 116TH AVENUE NE WATERMAIN REPLACEMENT

## PROJECT BUDGET REPORT

