



CITY OF KIRKLAND
Department of Public Works
123 Fifth Avenue, Kirkland, WA 98033 425.587.3000
www.ci.kirkland.wa.us

MEMORANDUM

To: David Ramsay, City Manager
From: Daryl Grigsby, Public Works Director
Ray Steiger, P.E., Capital Projects Manager
Date: October 26, 2006
Subject: 116TH AVENUE NE WATERMAIN REPLACEMENT
AWARD CONTRACT AND AUTHORE ADDITIONAL FUNDING

RECOMMENDATION:

It is recommended that the City Council award the contract for construction of the 116th Avenue Watermain Replacement to D & G Backhoe, Inc. of Lake Stevens, Washington in the amount of \$272,313.34. In addition it is recommended that City Council authorize the use of an additional \$83,545 from the Water/Sewer Capital Contingency.

BACKGROUND DISCUSSION:

The 116th Avenue NE Watermain Replacement Project includes the replacement of approximately 1,100 lineal feet of 8" AC watermain with 12" ductile iron pipe between NE 60th Street and NE 65th Street (Attachment A). The watermain serves a large area and construction work includes the replacement of eighteen individual water services and one fire hydrant in the project area. The 116th 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 116th Avenue NE Non-motorized Facilities Project.

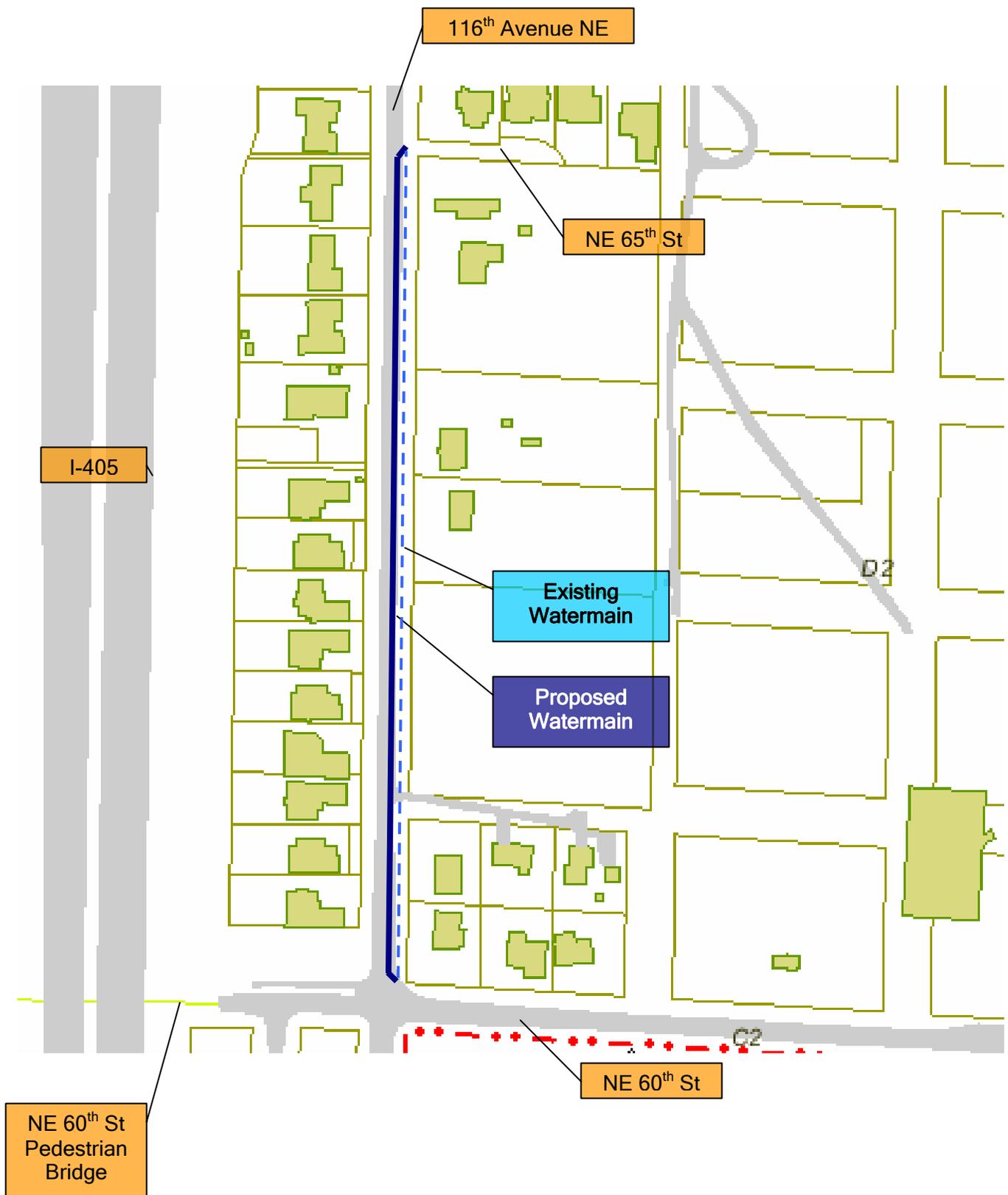
Construction work is anticipated to take place from late December, 2006 to January, 2007, with project completion necessary prior to beginning construction of the more significant 116th Avenue NE non-motorized project between NE 60th Street and NE 67th Street.

At their regular meeting of October 3, 2006, Council authorized Public Works staff to advertise for contractor bids on the project. The engineer's estimate for construction was \$305,423 with a total anticipated project budget of \$370,000; approximately \$110,000 over the current project budget (Attachment C). The first advertisement was published on October 9, 2006, and bids were opened and read publicly on October 24, 2006. Eight (8) bids were received and tabulated (Attachment B) with D & G Backhoe, Inc. being the lowest bidder submitting a total construction price of \$272,313.34; which is approximately \$33,110 below the engineer's estimate. Reference checks were complete and staff is recommending award to D & G Backhoe, Inc.

The total funding required to complete the construction contract is \$343,545; comprised of \$272,314 for construction, \$44,000 for professional services, and a \$27,231 contingency. The approved project budget is \$260,000, which is \$83,545 less than the amount required to complete the project. Based on bids received, scope of the project, and current competitive market, staff recommends raising the current budget an additional \$83,545 to bring the project budget to \$343,545 (Attachment C). The unit cost to construct this 12-inch watermain project is \$247.56 per lineal foot (Attachment D).

With Council approval, construction is anticipated to begin in December with substantial completion expected in January.

Attachments (3)



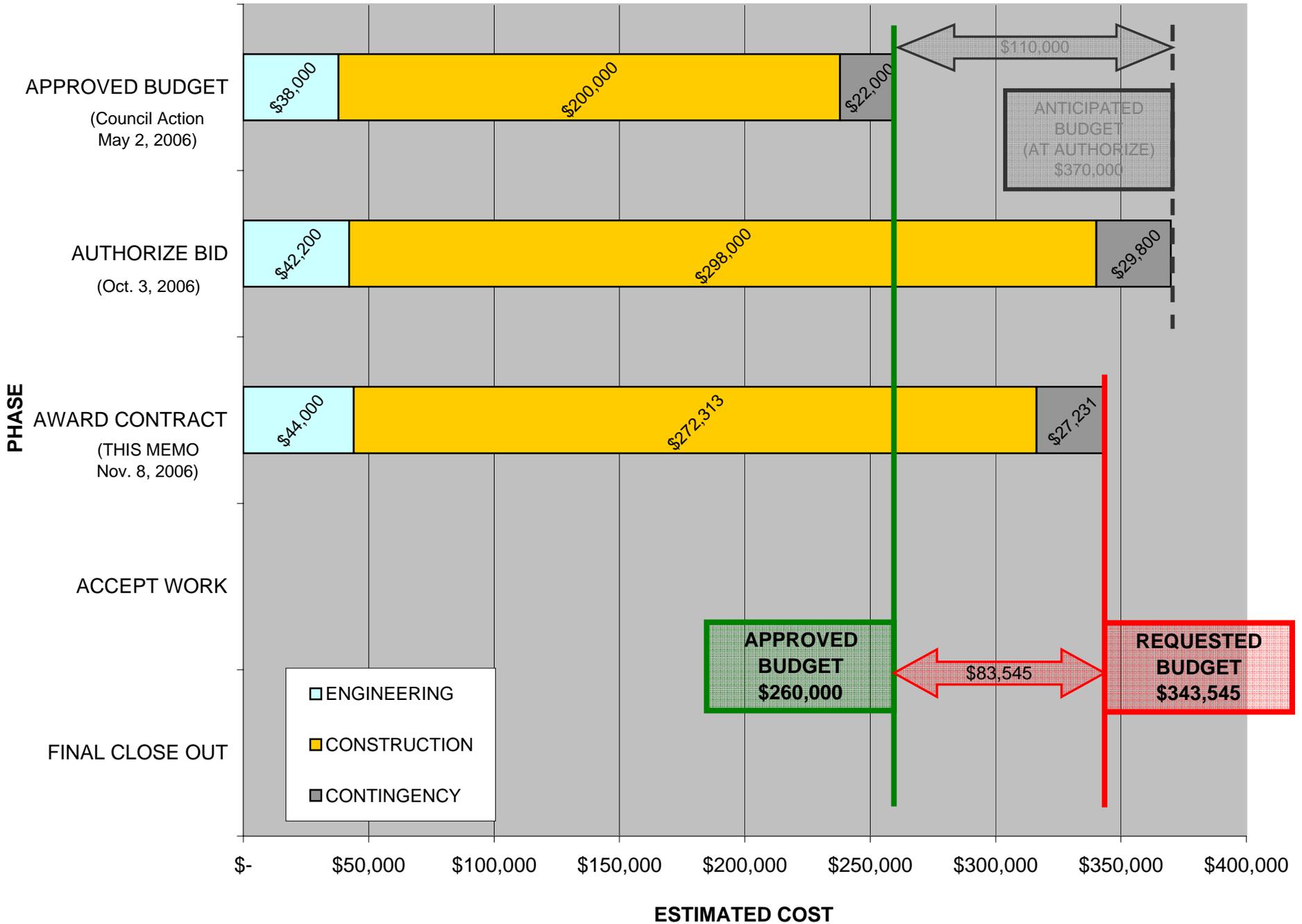
Vicinity Map
116TH AVENUE NE WATERMAIN REPLACEMENT

BID TABULATION
116TH AVENUE WATERMAIN REPLACEMENT

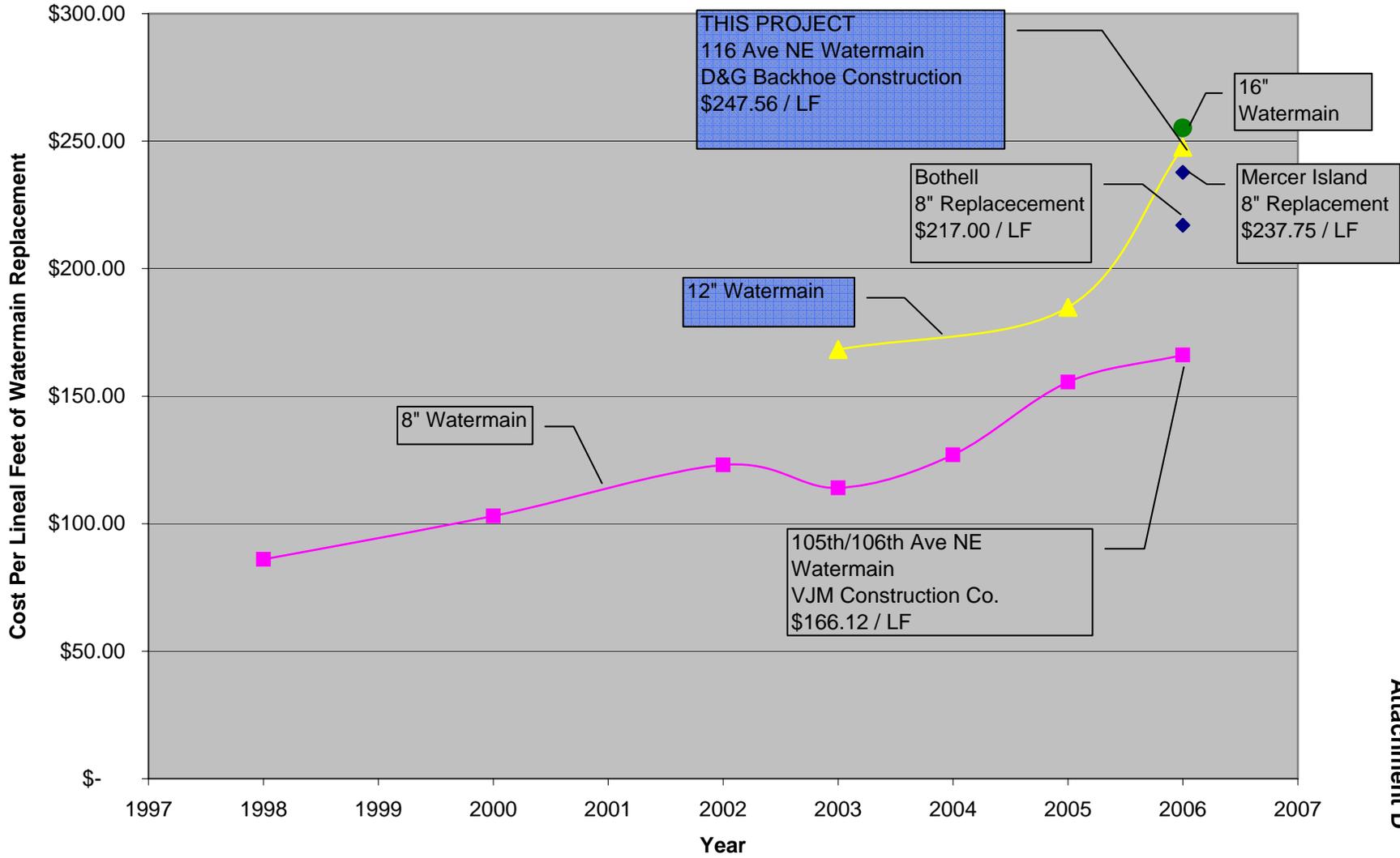
| Contractor | Total Bid |
|------------------------------|-------------------|
| D & G Backhoe, Inc | 272,313.34 |
| Sanders General Construction | 273,705.98 |
| VJM Construction Co. | 285,088.64 |
| Marshbank Construction | 303,367.04 |
| <i>Engineer's Estimate</i> | <i>305,423.36</i> |
| Construct Co. | 319,219.20 |
| Hos Bros. Construction, Inc | 383,928.00 |
| Gary Harper Construction | 393,520.90 |
| Earthwork Enterprises | 413,570.56 |

116TH AVENUE NE WATERMAIN REPLACEMENT

PROJECT BUDGET REPORT



Watermain Replacement Cost (8-inch Diameter Pipe)



FISCAL NOTE

| Source of Request | | | | | | | |
|---|---|-------------------------|-----------------------------|----------------------------------|------------------------|-----------------------------|----------------|
| Daryl Grigsby, Public Works Director | | | | | | | |
| Description of Request | | | | | | | |
| Request for additional funding of \$83,545 from the Water/Sewer Capital Contingency for the 116th Avenue NE Watermain Replacement (Non-motorized Facilities) project. The approved budget is \$260,000, which is less than the amount required to complete the project based on current bids. | | | | | | | |
| Legality/City Policy Basis | | | | | | | |
| | | | | | | | |
| Fiscal Impact | | | | | | | |
| One-time use of \$83,545 of the Water/Sewer Capital Contingency. The contingency is able to fully fund this requests. | | | | | | | |
| Recommended Funding Source(s) | | | | | | | |
| | Description | 2006 Est End Balance | Prior Auth. 2005-06 Uses | Prior Auth. 2005-06 Additions | Amount This Request | Revised 2006 End Balance | 2006 Target |
| Reserve | Water/Sewer Capital Contingency | 1,766,520 | 507,500 | 0 | 83,545 | 1,175,475 | 1,766,520 |
| | | | | | | | |
| | Water/Sewer Capital Contingency: 2005-2006 Prior Authorized Uses includes \$116,000 for the 18th Avenue Watermain Replacement project, \$111,500 for the 2005 Water System Improvements, \$20,000 for a watermain replacement coinciding the 2004 Streambank Stabilization project, and \$260,000 for this project (116th Ave NE Watermain Replacement - C WA 0114 000). | | | | | | |
| Revenue/ Exp Savings | | | | | | | |
| Other Source | | | | | | | |
| Other Information | | | | | | | |
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|-------------|----------------------------|------|-------------------|
| Prepared By | Neil Kruse, Budget Analyst | Date | Novmeber 13, 2006 |
|-------------|----------------------------|------|-------------------|