



CITY OF KIRKLAND
Department of Public Works
123 Fifth Avenue, Kirkland, WA 98033 425.587.3800
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: April 6, 2006

Subject: NE 47TH PLACE SURFACE WATER OUTFALL – ACCEPT WORK

RECOMMENDATION:

It is recommended that the City Council accept the NE 47th Place Surface Water Outfall Project as constructed by Mosbrucker Excavating, Inc. of Bothell, Washington and establish the required 45-day lien period.

In addition, it is recommended that Council authorize the use of an additional \$3,000 from the Surface Water Reserve account to complete the acquisition of permanent easements across 10507 NE 47th Place.

BACKGROUND DISCUSSION:

The NE 47th Place Surface Water Outfall Project, as identified in the Revised 2004-2009 CIP, provided for the extension of a 12-inch diameter pipe that discharged near the top of a steep slope above a large ravine east of the Burlington Northern Santa Fe Railroad tracks between NE 46th Street and NE 47th Place (Attachment A). Settlement and slope failure were observed in this ravine, and a geotechnical analysis of the slope, performed as a part of the preliminary design, has concluded that both private and public factors contributed to the condition.

In order to remove public surface water contributions to this unstable slope and possible liability for continued and future slope movement, the existing outfall was extended approximately 100 feet to the bottom of the ravine. Along with the new pipe, an energy dissipating structure, sized appropriately to deal with the high flows, was installed to prevent erosion of the ravine.

During design of the outfall extension, a second surface water outfall, originating from 105th Avenue NE, was found to also be discharging onto the slope of the ravine and could have lead to future slope instability. The expanded project scope included extending the second outfall pipe to the new energy dissipater at the bottom of the ravine.

At their regular meeting of October 18, 2005, Council awarded the contract for this project to Mosbrucker Excavating in the amount of \$55,390.08. Construction on this project began on November 8, 2005 and was completed on February 17, 2006. Total payments to the contractor were \$49,869.13, including one deductive change order.

Memorandum to David Ramsay

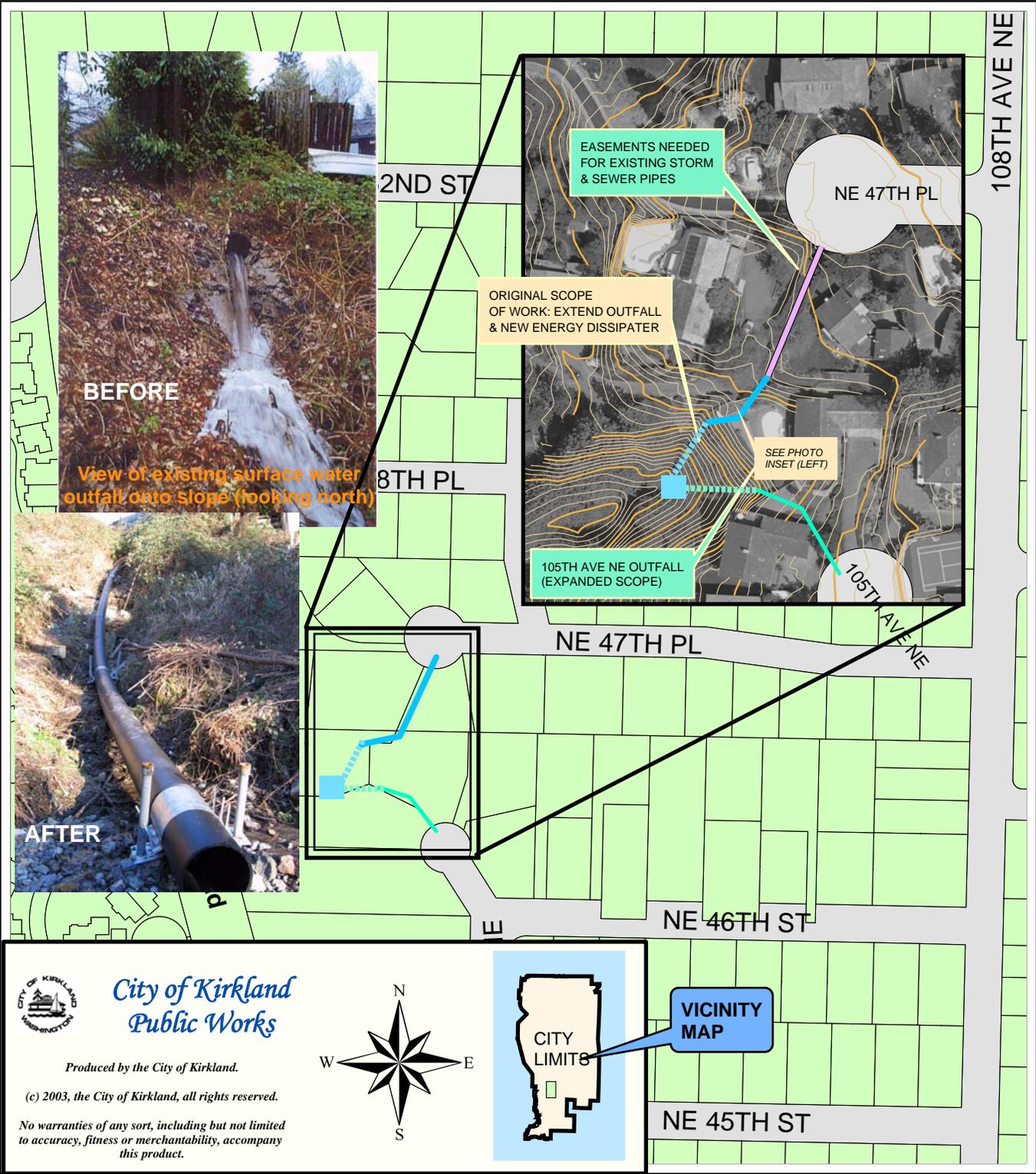
April 6, 2006

Page 2 of 2

Over the course of this project, it was discovered that the appropriate easements had not been obtained on one adjacent property (10507 NE 47th Place) for the storm drain pipe installed with construction of the subdivision circa 1958, nor for the sanitary sewer installed by the City of Houghton in 1966. Through negotiations with the property owner, an agreement has been reached to acquire a permanent combined easement for these utilities for the amount of \$12,800. Using \$9,800 in remaining funds available from the CIP project, there is a total budget shortfall of \$3,000 (Attachment B). Staff recommends that the additional funds needed for this project be transferred from surface water reserves (Attachment C).

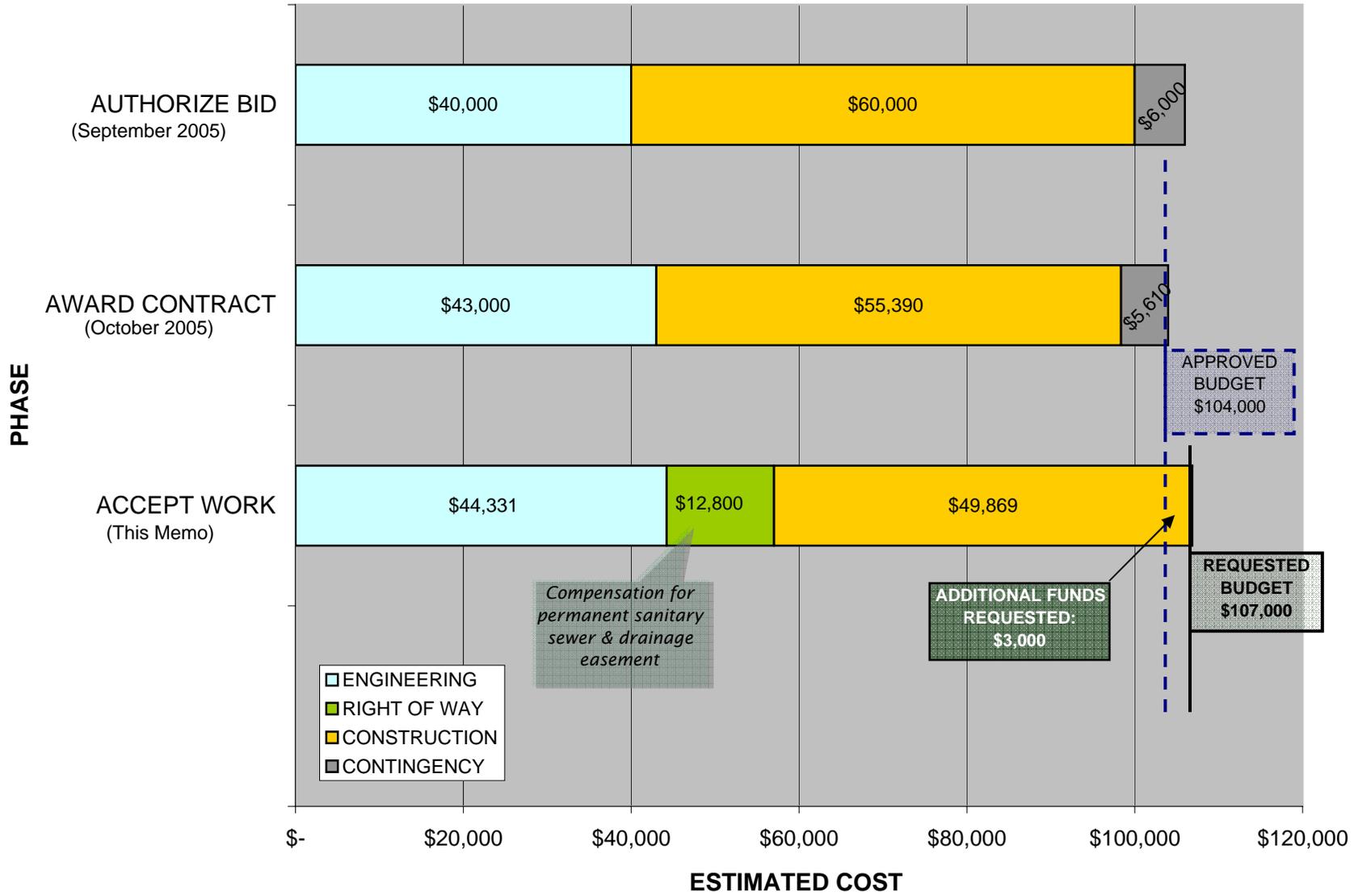
Attachments: (3)

NE 47TH PLACE SURFACE WATER OUTFALL PROJECT Project Vicinity Map



PROJECT BUDGET REPORT

NE 47th Place Surface Water Outfall



FISCAL NOTE

Source of Request							
Daryl Grigsby, Public Works Director							
Description of Request							
Request for additional funding of \$3,000 from the Surface Water Contingency for the NE 47th Place Surface Water Outfall project. The scope of the project expanded when a second surface water outfall was found to be causing damage to the ravine. Also, the appropriate easements for the project from one adjacent property owner were found to be unsecured through past developments and needed to be obtained to complete the project.							
Legality/City Policy Basis							
Fiscal Impact							
One-time use of \$3,000 of the Surface Water Contingency. The contingency is able to fully fund this request.							
Recommended Funding Source(s)							
<i>Reserve</i>	Description	2006 Est End Balance	Prior Auth. 2005-06 Uses	Prior Auth. 2005-06 Additions	Amount This Request	Revised 2006 End Balance	2006 Target
	Surface Water Contingency	569,490	44,000	0	3,000	522,490	569,490
	2005-2006 Prior Authorized Uses includes \$44,000 for the NE 47th Place Surface Water Outfall project.						
<i>Revenue/ Exp Savings</i>							
<i>Other Source</i>							
Other Information							

Prepared By	Sandi Miller, Financial Planning Manager	Date	April 10, 2006
-------------	--	------	----------------