

MEMO TO: City Council

FROM: John Marchione, Mayor

DATE: -January 17,-2012 February 7, 2012

SUBJECT: ACCEPTANCE OF CONSTRUCTION FOR VALLEY ESTATES BANK

STABILIZATION AND CULVERT REPLACEMENT, PROJECT

NO. 20020346

## I. RECOMMENDED ACTION:

Approve the final contract amount with Road Construction Northwest, Inc., for the base bid amount of \$1,350,869.75 plus change orders, bid item quantity increases and decreases and sales tax, resulting in a final contract amount of \$1,350,149.59, and accept construction of the Valley Estates Bank Stabilization and Culvert Replacement, Project No. 20020346 as of January 17, 2012.

### II. DEPARTMENT CONTACT PERSONS:

Bill Campbell, Director of Public Works	425-556-2733
Ron Grant, Assistant Public Works Director/City Engineer	425-556-2742
Michael Haley, Project Manager	425-556-2843

#### III. DESCRIPTION:

The project area extends from the Sammamish River to just upstream of Redmond-Woodinville Road (see Attachment A). This construction included a culvert crossing under the Sammamish River Trail and approximately 2,000 feet of stream channel up to the culvert under Redmond-Woodinville Road. This Class 2 stream has been reconstructed through the Valley Estates and Redmond 74 / Mondavio / Verona plats providing in-stream habitat and connection to the Sammamish River.

This construction allows all stormwater flow to remain in the channel during low flow conditions, while peak flows will be diverted into the newly-constructed high-flow bypass pipe during storm events. Reducing peak flows through the channel will limit erosion, improve water quality, and contribute to restoring the in-stream habitat.

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The project has constructed the following elements:

- Installation of a high-flow bypass pipe to control peak flows through the stream channel and reduce erosion.
- Replaced the outfall culvert with a larger fish-passable box culvert under the Sammamish River Trail, replacing an existing crossing with a fish-passable culvert, and removing a weir that blocks fish movement.
- Re-graded the lower channel near the outfall to step up using weirs, restoring the channel mouth and providing fish passage to the stream.
- Provided stabilization and in-stream habitat complexity for fish and aquatic life using small logs, boulders, bioengineering (stabilizing with live plants), and buffer vegetation. These techniques will direct erosive flows away from steep banks; diversify in-stream habitat by creating pools; and restore native trees and other vegetation in the adjacent open space.
- Stabilized the area around the pipe outfall under Redmond-Woodinville Road.

The Contractor began work in June 2011, and the work was substantially complete in November 2011. There were no contractor claims filed against the City, and no liquidated damages were assessed against the Contractor.

All work under this contract has been completed in accordance with the plans and specifications approved by the City Engineer. The recommended action approves the final amount and constitutes final acceptance of the work under the contract.

#### IV. IMPACT:

A. <u>Service/Delivery:</u> This project will reduce erosion, enhance habitat for salmon and other wildlife, provide fish passage into the stream system and improve aesthetics for users of the Sammamish River Trail and homeowners adjacent to the stream.

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# B. Fiscal:

Project Construction:	
Road Construction Northwest, Inc.	\$1,350,150
Construction Engineering & Inspection	80,000
Total	\$1,430,150
Project Funding:	
Stormwater CIP	\$1,203,092
King County Regional Flood District	133,320
King Conservation District	93,738
Total	\$1,430,150

## V. ALTERNATIVES:

None.

# VI. TIME CONSTRAINTS:

Following project acceptance, in accordance with RCW 60.28, the contract retainage will be released upon receipt of clearances from the Washington State Department of Revenue and Labor and Industries and a mandatory 45-day waiting period for filing of claims and liens.

## VII. LIST OF ATTACHMENTS:

A. Vicinity Map

William J. Campbell, Director of Public Works

Date

Approved for Council Agenda

John Marchione, Mayor

Date

# ATTACHMENT A

