



MEMO TO: City Council

FROM: John Marchione, Mayor

DATE: February 19, 2013

SUBJECT: **ACCEPTANCE OF CONSTRUCTION: 2012 STORM IMPROVEMENTS,  
PROJECT NO. 20021116**

**I. RECOMMENDED ACTION:**

Approve the final contract amount with Road Construction Northwest, Inc. for the base bid amount of \$439,485.93 plus change orders, bid item quantity increases, decreases, and sales tax, resulting in a final contract amount of \$290,091.71, and accept construction of the 2012 Storm Improvements, Project No. 20021116, as of February 19, 2013.

**II. DEPARTMENT CONTACT PERSONS:**

Tim Fuller, Director of Public Works	425-556-2733
Ron Grant, Assistant Public Works Director/City Engineer	425-556-2742
John Mork, Project Manager	425-556-2713

**III. DESCRIPTION:**

**Background**

The Natural Resources Small Capital Program provides for the design and construction of small capital improvement projects (less than \$100,000). Projects in the program may include both stormwater and habitat/stream restoration projects needed to address deficiencies in the existing public infrastructure, and may construct new facilities or repair/replace existing facilities. Projects are typically combined together or with other capital projects to focus design and construction efforts under a single contract to achieve efficiencies. Projects are identified on an ongoing basis through citizen complaints, operations staff, and stormwater permit inspections. Projects are evaluated and prioritized annually, based on severity and extent of the problem, and other factors such as if there was a regulatory mandate, safety or operations issue, or location adjacent to other projects.

The 2012 Storm Improvements project is comprised of seven small capital projects that address flooding, erosion and operations, and permit compliance. Several of the projects address deficiencies in older flow control structures identified during inspections mandated by the City's National Pollution Discharge Elimination System (NPDES) Phase II permit. Those repairs are required within two years of inspection and identification of the problem if the cost of the repair is less than \$25,000.

The design for this project was performed by both Brown & Caldwell, Inc. and Osborn Consulting, Inc. These firms were previously selected to perform on-call engineering services.

### **Project Description**

This project constructed the following storm improvements (see attached vicinity map for location information):

1. Improvements at 166<sup>th</sup> Court NE include modifications to an existing stormwater pond including a new flow control structure, grading, storm pipe replacement, and restoration planting.
2. Improvements at 164<sup>th</sup> Avenue NE and the Power Line Trail include modifications to an existing stormwater pond including a new flow control structure, grading, storm pipe replacement, energy dissipation, and restoration planting.
3. Improvements at 2800 West Lake Sammamish Parkway include rerouting stormwater flows from a severely eroded unmaintainable channel to a newly improved stream channel.
4. Improvements at 14245 NE 80<sup>th</sup> Place include replacement of a damaged storm pipe on a steep slope with a new pipe, energy dissipation to prevent erosion of hillside into Peter's Creek, and restoration planting.
5. Improvements at 172<sup>nd</sup> Avenue NE / NE 28<sup>th</sup> Street include an improved trash rack for the Idlywood flow splitter to reduce frequency of maintenance and improve performance of the flow splitter; and modified access hatches to improve maintenance access and safety.
6. Modifications to five stormwater flow control structures and associated site restoration.

The work associated with improving access to the Sheffield Greens Detention Pipe (Location 6 on vicinity map) was removed from the contract. It was determined by staff that the cost exceeded the benefit for this improvement.

The City Council, at its regular meeting on July 17, 2012, awarded the construction contract to Road Construction Northwest, Inc. The contractor began work in August 2012 and work was substantially complete in November 2012. The remaining work was completed in 2013.

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. Service/Delivery: This project improved the existing stormwater infrastructure, reduced maintenance requirements, and satisfied the NPDES Phase II permit requirements.

B. Fiscal:

Estimated Project Costs:

**Design and Permitting**

Consultants (Brown & Caldwell and Osborn)	\$168,000
City Administration	27,000
Miscellaneous	<u>1,000</u>
Design Subtotal	\$196,000

**Project Construction**

Road Const. Northwest, Inc.	\$290,092
Construction Support (Osborn)*	25,000
City Administration*	45,000
Miscellaneous*	<u>4,000</u>
Construction Total	\$364,092

Total Estimated Project Costs \$560,092

**Project Funding:**

Stormwater CIP

\$ 560,092

\*Estimate through project closeout

**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 Departments 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

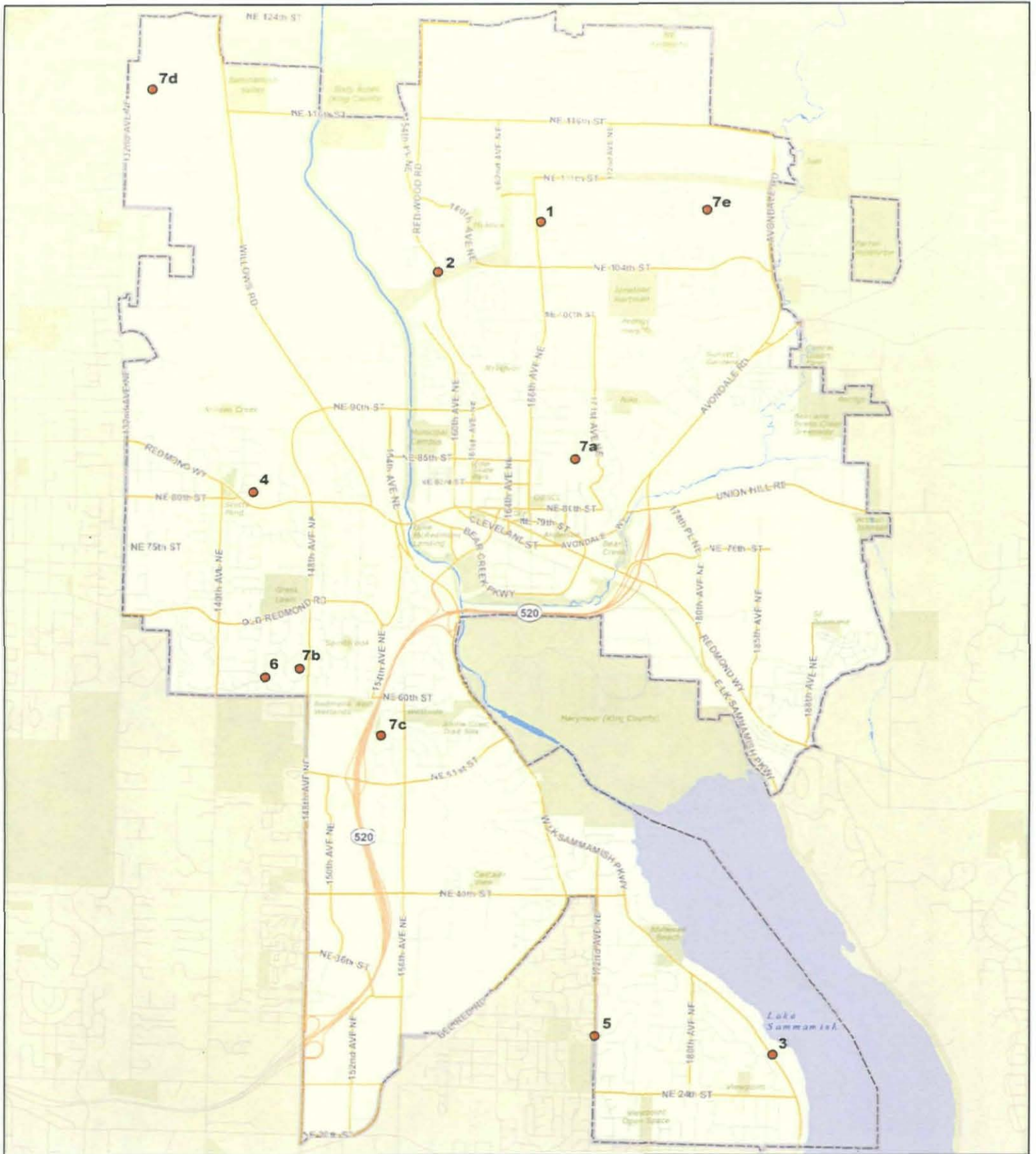
  
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Timothy K. Fuller, Director of Public Works

2/11/13  
Date

Approved for Council Agenda

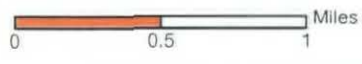
  
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John Marchione, Mayor

2/11/13  
Date



**Attachment A**  
**Vicinity Map**  
**2012 Stormwater Improvements**

06/20/2012



- 1. 166th Court Pond Improvements
- 2. 164th Avenue NE and Powerline Trail Pond Improvements
- 3. West Lake Sammamish Parkway Storm Improvements
- 4. 14245 NE 80th Place Ravine Pipe Repair
- 5. 172nd Avenue at Idlywood Creek Flow Splitter Modifications
- 6. Sheffield Greens Detention pipe Access Improvements
- 7. Control Structure Modifications - 5 Locations
  - a. 8501 169th Place
  - b. 14722 NE 61st Court
  - c. 5592 NE 154th Avenue
  - d. 11719 134th Place NE
  - e. 18026 NE 109th Street

Disclaimer: This map is created and maintained by GIS Services Group, Finance and Information Services, City of Redmond, Washington, for reference purposes only. The City makes no guarantee as to the accuracy of the features shown on this map.