

AM NO. 10-037 (C6)

MEMO TO: City Council

FROM: John Marchione, Mayor

DATE: March 2, 2010

SUBJECT: **ACCEPTANCE OF CONSTRUCTION: NE 85TH STREET SEWER REHABILITATION PHASE 2, PROJECT NO. 101392**

I. RECOMMENDED ACTION:

Approve the final contract amount with Insituform Technologies of Chesterfield, Missouri, for the base bid amount of \$143,481.14, plus change orders and bid item increases and decreases, resulting in a final contract amount of \$127,280.41, and accept construction of the NE 85th Street Sewer Rehabilitation Phase 2, Project No. 101392, as of March 2, 2010.

II. DEPARTMENT CONTACT PERSONS:

Bill Campbell, Director of Public Works	425-556-2733
Ron Grant, Assistant Public Works Director/City Engineer	425-556-2742
Joe O'Leary, Project Manager	425-556-2738

III. DESCRIPTION:

In 2008, City maintenance workers conducted a video inspection of approximately 1,400 feet of sanitary sewer pipe along NE 85th Street between 152nd Ave NE and the NE 85th Street Bridge. The video inspection revealed existing ductile iron sewer lines were badly deteriorated. The City hired a consultant, Harris & Associates, to determine the most economic and least environmentally intrusive method to rehabilitate the pipe under these conditions. A trenchless interior pipe lining method known as cured-in-place-pipe technology was recommended.

Council awarded a construction contract on September 8, 2009, to an established trenchless technology contractor, Insituform Technologies, Inc. Construction began on September 24, 2009, and was substantially complete on December 4, 2009.

This project successfully rehabilitated approximately 1,250 lineal feet of deteriorated sewer pipe. The pipe segment under the Sammamish River was not completed because

the pipe lining technology was not compatible with the unforeseen conditions encountered during construction. Public Works is currently in the process of selecting a consultant to evaluate alternatives for repairing or replacing the Sammamish River sewer pipe crossing.

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 contract amount and constitutes the final acceptance of the work.

IV. IMPACT:

A. **Service Delivery:** This project improved sewer flows by reducing groundwater infiltration and strengthening the structural integrity of the existing sewer line.

B. **Fiscal:**

Project Costs:

Design

Consultant (Harris & Associates, Inc.)	\$ 24,900.00
City Administration	27,164.00
Miscellaneous	<u>13,950.00</u>
Design Subtotal	\$ 66,014.00

Construction

Original Construction Contract (Insituform Technologies)	\$143,481.00
Change Orders and Bid Item Increases/Decreases	<u>(14,200.59)</u>
Final Contract Amount	\$127,280.41

City Administration	\$ 20,000.00
Other Expenses	<u>15,000.00</u>
	\$ 35,000.00

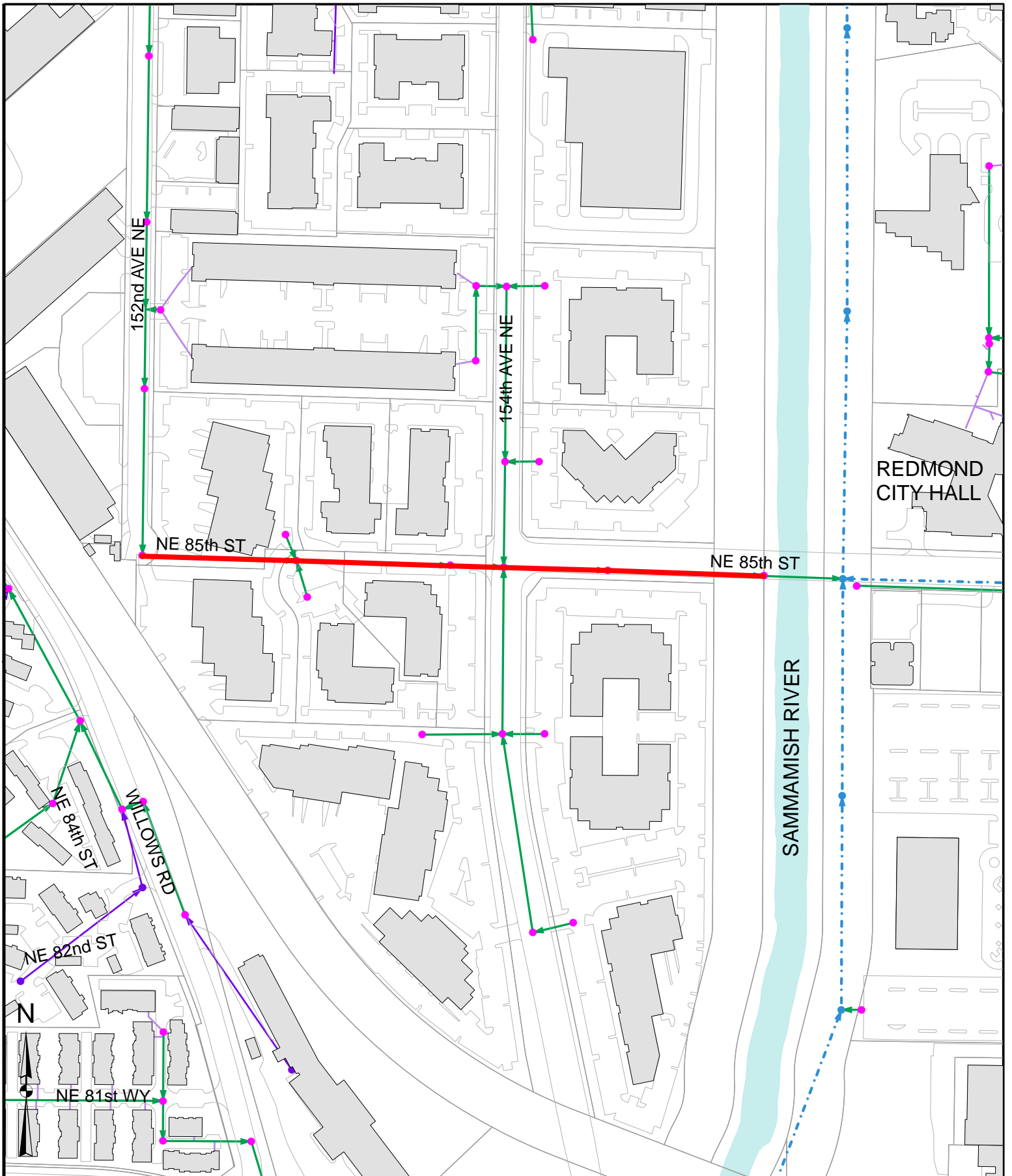
Total Costs \$ 228,294.00

Funding:

Wastewater CIP 228,294.00

V. ALTERNATIVES

None.



City of Redmond, Washington

03/02/2010

*This updated map was provided by staff as an attachment to AM No. 10-037 on March 4, 2010

Attachment A - Vicinity Map

NE 85th Street Sewer
Rehabilitation Phase 2