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**Report to Board of Trustees**

**Date: 9/23/2013**

**Re: 338<sup>th</sup> Oysterville Water Main Loop**

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This project has is identified in the 2008 water system plan as capital improvement projects D-4A Looping of Water Mains - Connect G Street Across Oysterville Road and D-7E Replace undersized water mains greater than 900 feet in length - Oysterville Road west of I Street.

The main benefit of this project is to increase water system reliability for members north of Oysterville Road. There is currently only one water main conveying water to members north of Oysterville Road. If there where an incident, planned or emergency, that placed that main out of service all of the members north of Oysterville Road would be out of service for the duration of the incident.

The other benefit will be to increase the hydraulic capacity of the distribution system north of Oysterville Road. The installation of this loop will greatly improve water flow and pressure to members north of Oysterville Road.

The project will require the installation of 1600' of 8" water main, two fire hydrants, three 8" gate valves and various fittings.

The project will also require engineering and surveying for the water main across private property.

The water system manger estimates the cost for this project:

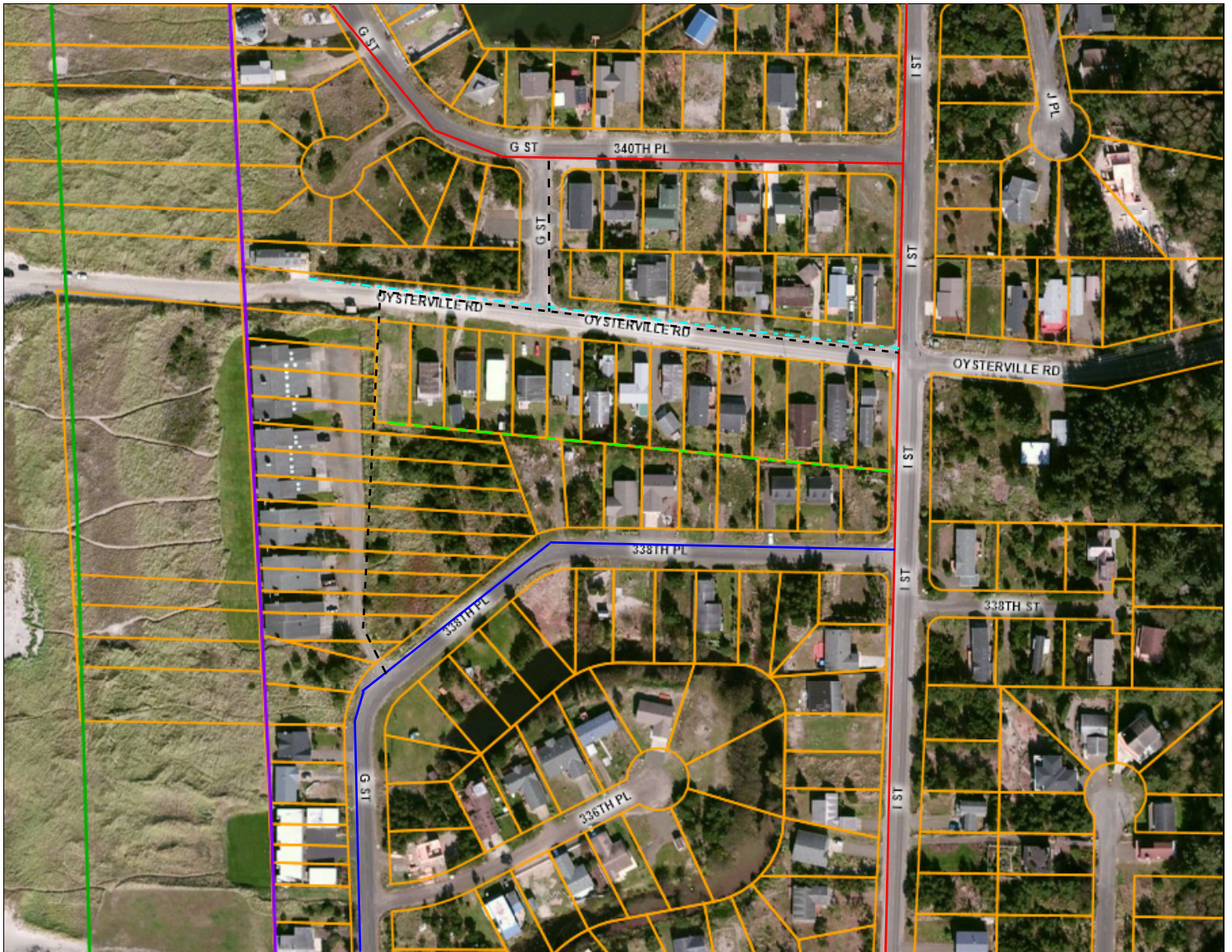
Engineering/Surveying - \$18,000

Materials - \$20,000

Labor - \$19,000

**Total - \$57,000**

The water system plan estimated these projects at \$295,000.



- Existing 8" A.C. Water Main
- Existing 8" C-900 PVC Water Main
- - - Proposed 8" C-900 PVC Pipe
- - - Existing 6 A.C. Water Main.
- - - Existing 2" PVC Water Main