

2017 Oysterville Road Water Main Loop Plan

Project Overview:

The Board of Trustees authorized the Oysterville Road Water Main Loop Project (Project) in the 2015 Water System Plan¹ (AKA Connect G Street Across Oysterville Road Project) The Board of Directors approved the 2017 Capital Improvement budget that included funds for the Project on October 15, 2016 at their regular Board Meeting.

The Project will include the following stages:

In 2017 the Water Department will be:

Phase 1 ----- Surveying and engineering

Phase 2 ----- Land or easement acquisition

Phase 3 ----- Construction

Phase 1. The surveying and engineering phase will get elevations and identify the location of Surfside's existing water mains and other infrastructure located on the private property owned by the Ocean Crest Condominium owners (also Surfside HOA members) and Pacific County road right-of-ways. The Survey and engineering will also design the new water main loop across the private property and along Pacific County right-of-ways. The surveying and engineering will also research existing easements and identify easements or land acquisitions required to complete the Project. Water main improvements do not require Department of Health Project review.

Phase 2. The land or easement acquisition phase will include preparing easement agreements or land purchasing documents and negotiating with the Ocean Crest Condominium owners of other private property owners to secure access for the new water main.

Phase 3. The construction phase will include the installation of the designed infrastructure and testing and certification of construction to the Board of Trustees satisfaction.

Project Schedule:

Phase 1 will commence January 1, 2017 and be complete by May 31, 2017. Phase 1 will be completed by the Surfside's engineer, Gray and Osborne.

Phase 2 will commence June 1, 2017 and be complete by August 31, 2017. Phase 2 will be completed by Surfside's legal counsel, Samuel Jacobson.

Phase 3 will commence October 1, 2017 and be complete by December 31, 2017. Phase 3 will be completed by the Water Department's crew. During Phase 3 the Water Department's crew also installs new water services, makes customer

¹ Resolution 2016-02-01

service calls, makes repairs and performs preventative maintenance on the infrastructure.

List of Materials:

8 -inch C900 PVC Pipe -----	1,800 feet
Fire Hydrants -----	3 ea.
Ductile/Cast Iron Fittings -----	950 lbs.
Valves 8-inch -----	4 ea.
Valves 6-inch -----	3 ea.

High Level Budget:

High Level Project Milestones:

Phase 1: -----	\$ 8,500
Phase 2: -----	\$ 3,000
Phase 3:	
Labor -----	\$25,518
Materials -----	\$51,800
Phase 3 Sub-Total -----	\$77,318
Project Total: -----	\$88,818

Construction Sources:

All construction will be performed by Surfside Water Department personnel.

Project Expectations:

The expectation of the Project is outlined in Surfside’s Water System Plan (2015 version). Chapter 3 Water System Analysis:

The water system is generally well looped with a minimal number of system dead-ends, or areas served by a single water main. However, the system does have certain dead-end areas. The most significant dead end area is the area north of Oysterville Road. The entire area north of Oysterville Road is served by a single water main - the 8-inch water main on I Street between 338th Place and 340th Place. If anything should happen to this water main, the entire system north of Oysterville Road would be out of water. Therefore, it is suggested that a water main should be installed to tie the water main in G Street south of Oysterville Road to the water main in G Street north of Oysterville Road. Since there is no existing right-of-way between these two points it would be necessary to obtain easements over at least four private properties to make this connection. The exact route of the water main would be dependent on where Surfside HOA can obtain easements.

Project Risks:

Potential risks for the Project are few. The risks to Project success are:

1. **Easement or Land Acquisition.** The largest risk to this Project is the inability to obtain utility easements or acquire real property if required.
2. **Force Majeure.** Inability to complete all planned work due to disruptions from storms, earthquakes or other acts of nature.

3. **Lack of Management Control.** The Water System Manager, acting as Project Manager, is responsible for overseeing the engineering, surveying, easement and/or land acquisition, purchasing, and construction of the Project. The risks to management control include but are not limited to, lack of support for the Project from the Board of Trustees or inappropriate involvement in the management of the Project by individual Trustees.

4. **Unforeseen Conditions.** Even with the best engineering and planning, the potential for unforeseen conditions on a project cannot be eliminated. Unforeseen conditions may cause a delay in the schedule, an unexpected increase in project cost, or both.

5. **Loss of Key Employee.** The Water Department is made up of skilled and semiskilled employees. The loss of one or more of the skilled employees will greatly increase the cost of completing the Project.

Outside Resources:

The anticipated required Outside Resources for the Project are:

- Civil engineer
- Surveyor
- Attorney

Map:

