

**City of Oak Harbor  
City Council Agenda Bill**

Bill No. 5.a.i  
Date: June 7, 2016  
Subject: Clean Water Facility Update by  
City Staff

**FROM:       Engineering Department**

**INITIALED AS APPROVED FOR SUBMITTAL TO THE COUNCIL BY:**

- ⊙ Bob Severns, Mayor
- ⊙ Doug Merriman, City Administrator
- ⊙ Patricia Soule, Finance Director
- ⊙ Nikki Esparza, City Attorney, as to form

**RECOMMENDED ACTION**

Review attached Report.

**BACKGROUND / SUMMARY INFORMATION**

Regular Council Meeting update on the Clean Water Facility Project as requested by City Council.

**LEGAL AUTHORITY**

**FISCAL IMPACT**

**PREVIOUS COUNCIL / BOARD / CITIZEN INPUT**

**ATTACHMENTS**

1. [CWF Report 6.07.2016](#)

City of Oak Harbor  
**Clean Water  
 Facility Project**



**CITY COUNCIL PROJECT UPDATE – June 7, 2016**

*The following is a snapshot of project activities and milestones, as well as anticipated upcoming activities and risks being monitored for the Oak Harbor Clean Water Facility Project. These updates are provided to City Council on a bi-weekly basis.*

**RECENT ACTIVITIES AND MILESTONES (PREVIOUS TWO WEEKS)**

- Site Preparation Package B (Deep Excavation)
  - Completed installation of tiebacks
  - Continued excavation activities
- Site Preparation Package C (Micropiles)
  - Completed micropile testing
  - Obtained building permit
  - Started installation of production piles
  - Installed Tower Crane
- Windjammer Park Integration Plan
  - Presented report to the City Council at the May 25 workshop
- Design
  - Review of the Process Building 90% documents has been completed.
  - Carollo continues work on the non-process facilities
- Public Works Family Fun Event
  - The project team participated in the Public Works Family Fun event at Windjammer Park on May 21

**ANTICIPATED/UPCOMING ACTIVITIES AND MILESTONES (NEXT SIX WEEKS)**

- Continue design process
- Site Preparation Package B and C
  - Continue Micropile installation
- Windjammer Park Integration Plan
  - Present preferred plan to City Council at the June 7 Council meeting.
- Deep Foundation Concrete
  - Begin concrete installation

**CLEAN WATER FACILITY DESIGN STATUS**

Item	Description	Progress %
Facility Design – Process Structures	Carollo Engineers is preparing the 100% design drawings for the process structures associated with the treatment plant.	90%
Facility Design – Biosolids Building	Design of the Biosolids building is at approximately 60%.	60%
Facility Design – Admin/Maintenance	Design of the Admin, Maintenance and Community room are at approximately 30%.	60%

### CONSTRUCTION PACKAGE STATUS

Item	Description	Progress %
Site Preparation Package B	The design for the deep excavation package is complete. Construction has begun.	Completed
Site Preparation Package C	Preliminary work has begun on Site Preparation Package C. Work will include micro-piles in the bottom of the deep excavation and installation of a tower crane	Completed
Concrete Package	Design of the concrete structures for the Membrane Bioreactors and Aeration Basins has been completed. GMP #7 has been approved by Council.	Completed

### PERMIT ACQUISITIONS STATUS

Pending Permits	Description
<ul style="list-style-type: none"> <li>Foundation permits</li> <li>Site Plan Amendment</li> </ul>	<ul style="list-style-type: none"> <li>Site Prep C – Micropiles –A building permit has been obtained.</li> <li>The structural review of the Deep Foundation facilities has been completed and the building permit is underway.</li> <li>The design team submitted the revised the site plan submittal to reflect Concept B.</li> </ul>

### CONSTRUCTION STATUS

Item	Description	Estimated Completion
GMP #2 (Outfall Construction)	The subcontractor has completed their work. We are currently finalizing the paperwork for this phase of work.	Final Closeout
GMP #3 (Site Preparation A)	The subcontractor has completed their work and the contract is being closed out.	Completed
GMP #4 (Site Preparation B)	Construction activities have begun – Driving sheet piles completed. Excavation and tie backs are completed.	May 2016
GMP #6 (Site Preparation C)	Installing test piles and preparing for micropile installation	July 2016
GMP #7 (Deep Foundation Concrete)	Reviewing shop drawings and preparing concrete construction	May 2017

### COST AND FUNDING STATUS

Major Cost Item	Cost Estimate	Description
GMP #1 (MBR/UV)	\$2,775,455.58 (includes sales tax)	Awarded by City Council on 12/2/2014 - Includes Membrane Bioreactor and Ultra Violet Disinfection equipment procurement and design support. Does not include installation costs.
GMP #2 (Outfall)	\$2,164,488 (includes sales tax)	Awarded by City Council on 4/21/15 - Construction of a new outfall from approximately the waterfront trail out into Oak Harbor Bay.
GMP #3 (Site Prep A)	\$908,872 (includes sales tax)	Approved by City Council 6/16/15 - Preliminary site excavation and archaeological investigation. Preliminary results indicate

		this work will come in under budget or be delayed until Site Preparation Package B.
GMP #4 (Site Prep B)	\$5,109,549 (includes sales tax)	Approved by City Council on 10/20/15 - Site Preparation Package B will include utility relocates, minor demolition at the existing RBC Plant, stone column installation, sheet pile installation and deep excavation.
GMP #5 (Biosolids Dryer)	\$2,028,222 (includes sales tax)	Approved by City Council on 10/20/15 - Resolution and GMP #5 regarding a biosolids dryer were approved
GMP #6 (Site Prep C)	\$4,311,589 (includes sales tax)	Site Preparation Package C will includes installation of micro-piles, preparation for a tower crane and extension of the outfall to the site.
GMP #7 (Deep Foundation)	\$10,169,937 (includes sales tax)	The Deep Foundation package includes the concrete construction to bring the Membrane building to grade and other construction activities.
Overall Project	TBD	90% design documents have been received by the City. Hoffman initiated cost estimates. 90% design for the non-process buildings is expected in August.

<b>Funding: Pending</b>	<b>Description</b>
2017 CWSRF - WWTP Construction	On January 21, 2016 we received news that the CWF is on the 2017 proposed funding list for an additional \$42,632,742 in SRF Loans at an interest rate of 1.6%. The final approved list comes from the state legislature and typically occurs around July.
Rates	Ordinance 1760 was passed by City Council on March 15, 2016. Staff will continue to evaluate rates as the project progresses.
<b>Funding: In hand</b>	<b>Description</b>
2016 CWSRF – WWTP Construction	The City has been allocated \$15,631,311 at a reduced interest rate of 1.9% for 20 years and an additional \$463,154 forgivable principal for hardship and green project reserve. An additional \$4,586,846 in Centennial Grant has also been obtained.
2015 CWSRF – Outfall Design and Construction	The City has received \$3,200,000 in low interest loans from DOE for design and construction of the new outfall for the wastewater treatment plant. The loan is for 20 years at 2.7% interest.
2015 CWSRF – WWTP Design	The City has received \$8,260,000 in low interest loans for design of the new wastewater treatment plant. The loan is for 20 years at 2.7% interest.
2016 CWSRF – WWTP Construction	The City has been allocated \$15,631,311 at a reduced interest rate of 1.9% for 20 years and an additional \$463,154 forgivable principal for hardship and green project reserve. An additional \$4,586,846 in Centennial Grant was also offered.
Department of Commerce Grant	The City has received a \$2,500,000 grant from the Governors Capital Improvement Program. The city received the grant reimbursement.
Bond Anticipation Note	This note has been repaid with proceeds from the bond sale.
Bonds	The City released bonds and secured a rate of 3.43%. The city closed on the bond sale
Reserves	The sewer fund has been accumulating reserves that have been earmarked for this project.

## COMMUNICATIONS AND OUTREACH STATUS

Upcoming activities or In-Progress activities	Description
Project communications plan	The project team continues to implement the project communications plan through weekly e-mail updates, drop-in times at the construction site, project signage and regular mailers at major milestones.
Windjammer Park Integration Plan	The CAG finished the public review of the plan and the preferred plan will be present to City Council tonight (June 7 <sup>th</sup> ).
Public Works Week Family Fun Event	The Public Works Department and the project team participated in a family fun event on May 21.

## PROJECT CONTACT INFORMATION

### *Web*

[www.oakharborcleanwater.org](http://www.oakharborcleanwater.org)

### *Email*

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### *General phone (24-hour)*

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### *Project team contact information*

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# Schedule

