

City of Oak Harbor
City Council Agenda Bill

Bill No. 5. c. i.
Date: August 8, 2018
Subject: Clean Water Facility Update

FROM: Brett Arvidson, Project Manager

INITIALED AS APPROVED FOR SUBMITTAL TO THE COUNCIL BY:

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

RECOMMENDED ACTION

BACKGROUND / SUMMARY INFORMATION

LEGAL AUTHORITY

City Council

FISCAL IMPACT

PREVIOUS COUNCIL / BOARD / CITIZEN INPUT

ATTACHMENTS

1. [Clean Water Facility Monthly Update- June 2018](#)

Clean Water Facility Project

Monthly Report

June 2018



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



MONTHLY PROGRESS REPORT

June 2018

The following report is a summary of construction phase activities and costs incurred that are being monitored by the project team as part of the Oak Harbor Clean Water Facility Project.

1. EXECUTIVE SUMMARY

Work Activities in June. Photographs referenced below are located in Section 12 of this report.

- Interwest Construction filled and graded on-site earthen material at Windjammer Park (see Photos #1, #9, #14, #19, #20, and #36).
- Puget Sound Energy energized its transformer at the generator yard (see Photo #8) and Valley Electric energized switchgear in the electrical building (see Photo #11).
- Start-up activities began in earnest. Equipment suppliers operated plant drain pumps (see Photo #16) and motor-driven slide gate actuators (see Photo #31).
- University Mechanical installed a grit basin mixer, fine screens, and a sluice trough and fine screen washer/compactor in the headworks building (see Photos #10 and #12) and dryer parts in the biosolids building (see Photo #21 and #34).
- Axiom began installing GFRC cladding on the exteriors of buildings (see Photos #13 and #25).
- Delta Corporation installed sound enclosures for fans at the odor control structure (see Photo #32).

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See Section 3, *Work Performed this Month*, for additional information.

Cost. The total guaranteed maximum price for the clean water facility (including outfall pipeline) and Windjammer Park improvements is \$128,779,438 (including tax). After the City approves Hoffman Construction Company's payment request for the month of June, the total paid to date will be \$99,839,755 (including tax), which makes up 78% of Hoffman's total contract amount. See Section 8, *Pay Request and Contract Status*, for additional information.

Schedule. Start-up activities began in earnest in June and will continue throughout the summer. Wastewater treatment is expected to begin in September. The clean water facility is expected to be complete by the end of 2018. The work at Windjammer Park is expected to be complete by May of 2019. See Section 11, *Schedule*, for additional information.

2. INTRODUCTION

Background. The City of Oak Harbor (City) operates a wastewater collection and treatment system that serves approximately 24,000 people who live within the City and on a U.S. Navy seaplane base. Wastewater was treated at a rotating biological contactor facility in the City, but is now being treated at a lagoon facility at the U.S. Navy seaplane base. The City must replace its aging wastewater treatment facility with a new facility that meets modern standards for reliability and performance.

Planning and Design. The City and a design consultant, Carollo Engineers (Carollo), finalized a wastewater facilities plan in August of 2013 (after three years of work) and a preliminary design submittal in November of 2013. Carollo then developed plans and specifications to 60% complete in June of 2015. Plans and specifications for process structures (i.e., headworks, secondary treatment, aeration basins, WAS storage, emergency generator, electrical, aeration blower, and solids) were advanced to 100% complete in June of 2016. Plans and specifications for an administration and maintenance building and an odor control structure were advanced to 100% complete in September and October of 2016, respectively. Plans and specifications for final site restoration (i.e., landscaping, sidewalks, and pavement) were advanced to 100% in December of 2017. Planning and design work for the clean water facility is now complete; however, Carollo has prepared a draft *Reclaimed Water Engineering Report* for submittal to the *State Department of Ecology*. Once approved, Carollo is expected to design additional disinfection facilities pertaining to reclaimed water, storage within the new clean water facility, and pumps to convey reclaimed water to Windjammer Park's irrigation system.

Alternative Public Works Contracting.

The City completed an analysis in November 2013 that compared design-bid-build, design-build, and general contractor/ construction manager (GC/CM) contracting methods and proceeded to use the recommended method, which was GC/CM. The City gained permission from the Washington State Capital Project Advisory Review Board in March of 2014 to complete the project by means of GC/CM. The City evaluated five proposals from GC/CM firms and then shortlisted three firms for an interview based on a fee proposal. Hoffman Construction Company of Washington (Hoffman) was selected as the GC/CM in July of 2014.



Agreement between City and GC/CM. The City and Hoffman executed a *Standard Form of Agreement Between Owner and Construction Manager as Constructor* (AIA Document A133-2009) on July 1, 2014. This agreement defines compensation and payment for preconstruction phase services such as value engineering, cost estimating, and constructability reviews, which are paid for, on an hourly rate basis, up to a total amount not to exceed \$790,050 (including sales tax). This agreement also defines compensation for construction phase services such as the performance of the work of a component, which is defined by a guaranteed maximum price amendment (AIA Document A133-2009 Exhibit A) to the original agreement. Guaranteed maximum price amendments (GMPAs) define the costs of the work of a component. The work of a component includes subcontractor bid packages, negotiated self-performed work, negotiated support services, risk and design contingencies, and services necessitated by specified general conditions (AIA Document A201-2007). Hoffman's fee of 4.28% (including business and occupation taxes and the cost of personal liability and property damage insurance and bonds) is applied to the cost of work of a component. Currently the City Council has approved the following 13 GMPAs:

•	GMPA No. 1	MBR and UV System Equipment and Support	\$2,553,317
•	GMPA No. 2	Outfall Replacement	\$1,991,249 ⁽¹⁾
•	GMPA No. 3	Site Prep A – Excavation and Archaeological Survey	\$836,130
•	GMPA No. 4	Site Prep B – Utilities, Shoring, Demolition, Stone Columns	\$5,109,549
•	GMPA No. 5	Pre-purchase of Biosolids Dryer	\$2,028,222
•	GMPA No. 6	Site Prep C – Micropiles	\$3,966,503
•	GMPA No. 7	Deep Foundation Work at Area 30 and Misc Changes	\$9,355,968
•	GMPA No. 8	Area 20 and Remainder of Area 30 Concrete Work	\$10,824,756
•	GMPA No. 9	Electrical, Instrumentation & Controls, Process Mechanical	\$33,265,589
•	GMPA No. 10	Phase 3 Self-perform Concrete; RBC Plant Demo; Misc Earthwork	\$5,373,040
•	GMPA No. 11	Superstructure Construction – Bid Package 6 Results	\$22,023,790
•	GMPA No. 12	Odor Control System	\$4,353,876
•	GMPA No. 13	Civil Site Improvements (Clean Water Facility)	\$5,837,305 ⁽²⁾
•	GMPA No. 13	Windjammer Park Improvements	<u>\$10,226,233⁽²⁾</u>
		Subtotal	\$117,745,527
		WA State Sales Tax (8.7%)	<u>\$10,243,861</u>
		Subtotal	\$127,989,388
		Preconstruction Phase Services	<u>\$790,050</u>
		Total Guaranteed Maximum Price (GMP)	\$128,779,438 ⁽¹⁾

Notes:

1. Outfall replacement costs are not included in construction expenditures. See Attachment A, *Project Financial Report*, for additional information.
2. GMPA No. 13 is subdivided to show the approximate cost to finish the Clean Water Facility relative to the approximate cost of Windjammer Park Improvements.

See Section 8, *Pay Request and Contract Status*, for additional information pertaining to the current status of approved GMPAs.

Funding. The City is funding the project, in part, by means of State Revolving Fund (SRF) low-interest loans, cash, grants, and proceeds from bond sales. The City has obtained over \$97 million in SRF loans and \$8.5 million in grants. The City, with help from its bond attorneys and its financial advisor, The PFM Group, put the sale of over \$25 million in bonds out to bid on the bond market on April 19, 2016. Robert Baird & Company was the successful bidder with an interest rate of 3.43%. See Attachment A, *Project Financial Report*, for additional information pertaining to funding.

3. WORK PERFORMED THIS MONTH

Photographs that are referenced in this section are located in Section 12 of this report.

Pre-construction Services. Preconstruction services are complete; however, the City has elected to postpone its July 1st decision whether to build the west kitchen (\$982,107) and the pavilion structure (\$587,145), which are currently included in GMPA No. 13, or drop the west kitchen and the pavilion structure from the GMPA No. 13 scope of work. The City is currently seeking additional sources of funding.

Windjammer Park Design. The design of clean water facility site restoration work and Windjammer Park improvements is complete. The design team of Carollo Engineers, MWA Architects, and Greenworks is now helping the City with permitting activities pertaining to the Windjammer Park improvements. All permits have been obtained except for City building permits associated with several structures.

SCADA System Development. During the week beginning June 4th, a systems integration engineer for Carollo Engineers was on site and installed network panels at the electrical, headworks, biosolids, and administration buildings.

Start-up Activities. On June 5th, linemen for Puget Sound Energy (PSE) terminated conductors and energized PSE's transformer at the generator yard (see Photo #8). On June 11th, Valley Electric energized switchgear in the electrical building (see Photo #11). On June 20th and 21st, a representative from APSCO operated two plant drain pumps and conducted operator training (see Photo #16). On June 28th, representatives from Golden Harvest (slide gates) and Rotork (motor-driven actuators) operated ten slide gates by means of motor-driven actuators at the membrane tanks and aeration basins (see Photo #31). Carollo Engineers prepared a startup plan and submitted it to Department of Ecology. Hoffman continued to conduct weekly start-up coordination meetings with its subcontractors and Carollo Engineers.

GMPA No. 1 – MBR System and UV Disinfection Equipment (procurement) and Engineering Support. Work on this GMPA is approximately 82% complete. Ultraviolet reactors, membrane cassettes, and all other MBR and UV system equipment have been delivered to the job site. Testing, training, and commissioning remain to be completed before this GMPA is deemed complete.

GMPA No. 2 – Outfall Replacement. Work on this GMPA is complete.

GMPA No. 3 – Site Prep A. Work on this GMPA is complete.

GMPA No. 4 – Site Prep B: Utilities, Demolition, Stone Columns, and Shoring. Work on this GMPA is complete.

GMPA No. 5 – Biosolids Dryer (procurement). This GMPA is approximately 77% complete. All but one shipment of components of the biosolids belt dryer system have arrived on site. Two representatives of Haarslev continue to work on site full time.

GMPA No. 6 – Site Prep C: Micropiles. Work on this GMPA is complete.

GMPA No. 7 – Deep Concrete Work at Area 30 and Miscellaneous Changes. Work on this GMPA is approximately 98% complete. No work occurred on this GMPA this past month.

GMA No. 8 – Area 20 and Remainder of Area 30 Concrete Work. Work on this GMPA is approximately 97% complete. Hoffman Structures revised concrete floor elevations at several locations in the secondary treatment building to address problems with elevation and drainage.

GMPA No. 9 – Mechanical, Electrical, and Process Systems. Work on this GMPA is approximately 90% complete. Valley Electric continued to pull and terminate conductors for vendor control panels and instruments associated with pumps, meters, motor-operated valves and gates, blowers, a fire alarm system, a bridge crane, and fans in the secondary treatment building, the gallery area underneath the secondary treatment building (see Photos #18 and #33), and atop the aeration basins and WAS storage tanks. Valley Electric installed light poles atop aeration basins, WAS storage tanks, and generator yard. During the last week of June, Valley Electric installed floats in sumps in the gallery under the secondary treatment building (see Photo #30). Valley Electric continued to install supports, conduits, conductors, luminaires, junction boxes, and a fire alarm system in the headworks building. Valley Electric pulled and terminated conductors associated with four motor control centers and other electrical panels in the electrical room in the headworks building (see Photo #29). Valley Electric installed local control panels for influent pumps in the headworks building (see Photo #28). Valley Electric terminated conductors at process control modules (PCMs), motor control centers, and electrical distribution panels (see Photo #24) in the electrical building. An engineer for General Electric programmed switchgear in the electrical building (see Photo #5), which allowed Valley Electric to energize the switchgear (see Photo #11). Integrity Networks pulled fiber optic cable between electrical manholes and between electrical manholes and buildings. University Mechanical performed the following work in the secondary treatment building: 1) installed stainless steel covers over two slide gates (see Photo #27), 2) installed plain weirs at the north ends of six membrane tanks, 3) installed an in-line stop gate in a mixed liquor channel, and 4) hydrotested 24-inch ductile-iron effluent piping at the discharge side of two ultraviolet reactors (see Photo #17). University Mechanical installed a grit basin mixer, three fine screens (see Photo #10), a sluice trough, and a fine screen washer/compactor (see Photo #12) in the headworks building. University Mechanical continued to install dryer equipment in the biosolids building (see Photos #21 and #26). Interwest Construction installed buried 4-inch potable water and 8-inch fire water pipelines adjacent to the west sides of the administration, electrical, and aeration blower buildings (see Photo #15). Interwest Construction installed expansion joints at the biosolids, administration, and aeration blower buildings to protect the 8-inch fire water pipeline from differential settlement during a seismic event. Delta Corporation continued to install HVAC ductwork and foul air piping in the secondary treatment building (see Photo #7) and the headworks building.

GMPA No. 10 – Concrete, Stone Columns, Compaction Grouting, and Shoring for Non-process Structures. Work on this GMPA is 99% complete. All concrete work is now complete. Some miscellaneous earthwork remains. Hoffman Structures finished repairs on concrete flooring adjacent to polymer containment trenches in the biosolids building and repaired minor imperfections in concrete.

GMPA No. 11 – Superstructure Construction. Work on this GMPA is approximately 86% complete. Hoffman Structures installed tongue-and-groove wood decking under canopies at the aeration blower, biosolids, electrical, and headworks buildings. R&D Masonry was back on site for one week and pressure washed the brick façade on the north side of the secondary treatment building. University Mechanical continued to install plumbing and HVAC equipment in the administration and maintenance buildings. University Mechanical installed bathroom fixtures (see Photo #22), drinking fountains, and safety showers in the administration building, and University Mechanical installed piping and hoses associated with compressed air hose reels in the maintenance building. Steelkorr finished installing an aluminum stairway and handrails in the southeast corner of the secondary treatment building. Steelkorr installed beams, clips, ledger angles, and aluminum tread plates over channels and a grit vortex chamber in the headworks building. Steelkorr installed aluminum grating over sumps and chemical containment trenches in the gallery under the secondary treatment building. Delta Corporation installed HVAC ductwork in the maintenance building and for an air handling unit at the administration building. Shinn Mechanical installed fire sprinkler piping, sprinkler heads, and stainless steel piping under a canopy at the administration building. Shinn Mechanical installed fire sprinkler piping in a stairwell in the secondary treatment building. During the last week in June, Shinn Mechanical installed fire suppression piping in the aeration blower building including a water control valve and a seismic expansion joint. Pacific Glass installed window and

door frames and windows in the administration, maintenance, aeration blower, and electrical buildings. Penington Painting Company (Penington) painted door frames and doors in all buildings, and Penington painted clearstory windows and a stairwell in the secondary treatment building. Axiom installed metal furring, insulation, and glass-fiber reinforced concrete (GFRC) cladding on the upper exteriors of the aeration blower and electrical buildings (see Photo #13) and on the upper west side of the administration building (see Photo #25). Axiom installed flashing around clearstory window openings in the secondary treatment buildings and at other locations on the project. During the last week of June, Alliance Partition Systems finished drywall work around door and window frames in the administration building. LangCo NW built formwork and placed rebar and concrete for ramps at the main entrances and at a covered storage area at the administration building. Brandsen Hardwood Floors (Brandsen) installed tile and rubber flooring in several rooms in the administration and maintenance buildings, and Brandsen placed tile in a bathroom in the secondary treatment building. Floor Solutions grinded and sealed concrete floors in several rooms in the administration building including the interpretive center (see Photo #6). Sterling Contractors installed door frames and doors at the electrical, headworks, administration, maintenance, and secondary treatment buildings. Zesbaugh, Inc., installed lockers in the men's and women's locker rooms in the administration building (see Photo #23). Alliance Partition Systems finished drywall work around door and window frames in the administration building, and Laboratory Design installed cabinets, drawers, and shelves in the administration building.

GMPA No. 12 – Odor Control System. Work on this GMPA is approximately 69% complete. Penington Painting's subcontractor, Hunnicutt's, Inc., finished applying an elastomeric polyurethane coating system to the interior walls of the odor control structure. Steelkorr finished installing fiber reinforced plastic (FRP) grating in the odor control structure. Delta Corporation began installing sound enclosures for fans at the west side of the odor control structure (see Photo #32). Delta Corporation attached pre-filters and 10-foot-tall stacks to the carbon adsorption vessels (see Photo #35).

GMPA No. 13 – Civil Site Work. Work on this portion of GMPA No. 13 is less than 10% complete. Interwest Construction backfilled and compacted on-site earthen material near the southeast corner of the headworks building and then built formwork and placed reinforcing steel and initial concrete for a foundation for a screen wall.

GMPA No. 13 – Windjammer Park Improvements. Work on this portion of GMPA No. 13 is less than 10% complete. Interwest Construction completed demolition work including pavement removal at parking areas and on SE City Beach Street (see Photos #1 and #9). Interwest Construction filled, compacted, and graded on-site earthen material (from a stockpile and from City Public Works) at the east and west ends of the park (see Photos #14, #19, #20, and #36).

4. QUALITY ASSURANCE

Two inspectors for the City's subconsultant, KBA, performed full-time inspection. Special inspectors for KBA's subconsultant, *GeoTest*, performed part-time specialty inspection on an as-requested basis. Representatives from Hoffman performed part-time inspection on a daily basis. Hoffman conducted daily quality assurance meetings with its subcontractors and with the KBA inspectors. Hoffman conducted a weekly quality assurance meeting with its subcontractors, the KBA inspectors, and a Resident Engineer from Carollo. Archaeologists from ERCI were on-site during excavation work looking for cultural resources. Inspectors for *State Department of Labor & Industries* inspected electrical work on an as-requested basis. Representatives from the design team of Carollo Engineers and MWA Architects were on site several times in June to inspect the work. Inspectors produced written daily reports that were filed on the City's server. On June 5th, a representative of Carboline was on site on to inspect and approve the polyurethane coating system applied to the inside of the odor control structure. KBA conducted a coordination meeting on June 14th with City Building Official Scott King and representatives from Hoffman and Carollo.

5. DOCUMENT TRACKING

See Table 5.1 below for the overall status of submittals and requests for information:

Table 5.1 Document Tracking	June 2018		Project to Date	
	Number Received	Number of Reviews	Number Received	Number of Reviews
Submittals	18	18	1,318	1,306
Requests for Information	54	59	1,155	1,143

6. PUBLIC OUTREACH

The City adopted a proposed good neighbor plan when the City Council approved Resolution 15-28 on September 1, 2015. The City continued to inform the community by means of the following activities:

- Weekly Oak Harbor Clean Water Facility construction updates (by means of e-mail)
- Website updates: <http://www.oakharborcleanwater.org>
- Signage at the job-site and at Windjammer Park
- Construction office drop-in hours on the 2nd and 4th Monday of the month
- Answering a 24-hour project information and construction hot-line
- Summer 2018 Newsletter (see Attachment D)

7. SAFETY

Hoffman reported the following safety statistics at the end of June:

- Manhours worked to date: 420,000
- Recordable injuries to date: 10
- Lost time injuries to date: 2
- Average number of craft workers on site: 90

8. PAY REQUEST AND CONTRACT STATUS

Pre-construction phase services. Hoffman submitted its last progress payment application for pre-construction services in January of 2017. Total applications for payment to date for preconstruction phase services add up to \$787,905 (including sales tax) representing 99% of the current agreement amount of \$790,050 (including sales tax).

Table 8.1 Preconstruction Services	Original Agreement Price ⁽¹⁾	Adjustments and Change Orders	Current Agreement Price	Total Payments to Date	Remaining Balance
Pre-construction Services	726,817	0	726,817	724,844	1,973
State Sales Tax (8.7%)	63,233	0	63,233	63,061	172
Total	790,050	0	790,050	787,905	2,145

Notes:

1. An agenda bill approved by City Council on July 1, 2014, includes an additional \$250,000 for optional pre-construction services for a current agreement price of \$790,050 (including sales tax).

Construction phase services. Hoffman submitted a progress payment application for the month of May 2018, for \$6,489,676 (including sales tax). The progress payment application was reviewed and processed in June. See Attachment B, *Authorization for Payment*, for additional information. Total applications for payment to date for construction phase services through May are \$95,295,829 representing 74.5% of the current agreement amount of \$127,989,388. See Table 8.2 below for additional information.

Table 8.2 Construction Phase Services	Original Guaranteed Maximum Price	Adjustments and Change Orders ⁽¹⁾	Current Guaranteed Maximum Price	Total Payments to Date	Remaining Balance
GMPA No. 1 Work:	2,448,520	0	2,448,520	2,004,205	444,316
GMPA No. 2 Work:	1,427,000	5,642	1,432,642	1,432,642	0
GMPA No. 3 Work:	627,347	(199,915)	427,432	292,799	134,633
GMPA No. 4 Work:	3,919,735	235,558	4,155,293	4,155,293	0
GMPA No. 5 Work:	1,879,205	0	1,879,205	1,353,030	526,175
GMPA No. 6 Work:	2,565,820	(331,379)	2,234,441	2,231,945	2,496
GMPA No. 7 Work:	6,239,185	25,680	6,264,865	6,138,295	126,570
GMPA No. 8 Work:	7,024,188	774,391	7,798,579	7,521,025	277,553
GMPA No. 9 Work:	30,148,712	1,611,849	31,760,561	27,028,803	4,731,758
GMPA No. 10 Work:	4,809,815	1,470,778	6,280,593	6,276,742	3,851
GMPA No. 11 Work:	17,934,490	817,789	18,752,279	14,775,237	3,977,042
GMPA No. 12 Work:	3,957,515	11,275	3,968,790	2,437,512	1,531,278
GMPA No. 13 Work (CWF):	4,580,898	(850,000)	3,730,898	193,550	3,537,348
GMPA No. 13 Work (WJP):	9,268,436	29,023	9,297,459	323,289	8,974,170
Negotiated Support Services	8,339,436	0	8,339,436	6,040,648	2,298,612
Specified General Conditions	2,392,490	0	2,392,490	1,865,426	527,064
Subtotal	107,562,616	3,600,690	111,163,306	84,070,441	27,092,865
GC/CM's Risk Contingency	3,492,360	(1,951,608)	1,540,752		1,540,752 ⁽²⁾
Owner's Risk Contingency	1,875,883	(1,649,082)	208,801		208,801 ⁽²⁾
Subtotal	5,350,243	(3,600,690)	1,749,553		1,749,553
GC/CM fee (4.28%)	4,832,668	0	4,832,668	3,584,378	1,234,453
Subtotal	117,745,527	0	117,745,527	87,668,656	30,076,871
State Sales Tax (8.7%)	10,243,861	0	10,243,861	7,597,843	2,616,688
Total	127,989,388	0	127,989,388	95,295,829	32,693,559

Notes:

1. There is only one change order to date. The change order transferred \$202,630 from GMPA No. 3 to GMPA No. 4. All other adjustments are due to transfers to and from contingency funds. See Section 9, *Contingencies and Cost Change Memorandums*, and Section 10, *Change Orders*, for additional information.
2. Remaining balance does not include encumbrances that were approved by the City in June. See Table 9.3 for additional information.

9. CONTINGENCIES AND COST CHANGE MEMORANDUMS

Contingencies. A GC/CM risk contingency is a fund that is made available for the GC/CM's (i.e., Hoffman's) exclusive use to pay for a variety of project issues such as, but not limited to, ambiguities in construction documents, buy-out errors or shortfalls, scope gaps, subcontractor performance or failure, and expediting costs for critical materials. A GC/CM risk contingency is included in 12 of the 13 guaranteed maximum price amendments (GMPAs) in amounts equal to 3.5% of the value of the work in the GMPA.

An owner design contingency is a fund that is made available for the owner's (i.e., the City's) exclusive use to pay for owner-directed design or scope changes and unforeseen or differing site conditions. An owner design contingency is included in eight of the 13 GMPAs in amounts equal to 2.0% of the value of the work in the GMPA.

Hoffman may use either of these funds only with the City's prior written consent. Hoffman must give the City notice and provide supporting cost backup when applying for the use of these funds. The notice and supporting cost backup are defined, herein, as a cost change memorandum.

Any balance remaining in these funds at the end of the project is returned to the City.

See Section 2.2.4.1 of the *Standard Form of Agreement Between Owner and Construction Manager as Constructor* for additional information pertaining to contingencies. The current status of the GC/CM risk and owner design contingency funds at the end of May are indicated below in Tables 9.1 and 9.2.

Table 9.1 GC/CM Risk Contingency	GC/CM's Original Risk Contingency ⁽³⁾	Previous Adjustments	Adjustments this Past Month	GC/CM's Current Risk Contingency ⁽¹⁾⁽²⁾
GC/CM Risk Contingency	3,492,360	(1,690,790)	(260,818)	1,540,752

Table 9.2 Owner Design Contingency	Owner's Original Design Contingency ⁽⁴⁾	Previous Adjustments	Adjustments this Past Month	Owner's Current Design Contingency ⁽¹⁾⁽²⁾
Owner Design Contingency	1,857,883	(1,393,051)	(256,032)	208,801

Notes:

1. Excluding profit and tax.
2. Balance does not include encumbrances that were approved by the City in July. See Table 9.3 on the next page for additional information.
3. GMPA No. 13 added \$404,835 to GC/CM risk contingency.
4. GMPA No. 13 added \$269,890 to owner design contingency.

Cost change memorandums. Hoffman prepares a cost change memorandum (CCM) to request the City's written consent to use its own risk contingency or the owner's design contingency to cover those costs that are deemed reimbursible in accordance with Section 2.2.4.1 of the *Standard Form of Agreement Between Owner and Construction Manager as Constructor*. The City has reviewed and approved a total of 328 CCMs through June of 2018. See Tables 9.1 and 9.2 on the previous page for additional information. The following CCMs were reviewed and approved by the City in July:

Table 9.3 – Cost Change Memorandums

<u>CCM</u>	<u>Description</u>	<u>Transfer</u>	<u>Amount⁽¹⁾</u>
194.1	HVAC Equipment Voltage	Draw from GMPA #9 Electrical Allowance	\$ 24,547
233	Lighting Revisions	From GMPA #9 to owner contingency	\$ 1,445
336.1	Crane Rail Connections	From GC/CM risk contingency to GMPA #11	\$ 1,110
365	Steel Plate Fascia	From owner contingency to GMPA #11	\$ 6,151
383	Add Structural Angle	From owner contingency to GMPA #11	\$ 15,257
390	Galvanizing Canopy Steel	From GC/CM risk contingency to GMPA #11	\$ 337
395	Skylight Support	From owner contingency to GMPA #11	\$ 479
396	Power for Bird Deterrents	From owner contingency to GMPA #11	\$ 15,992
398.2	Self-performed Concrete	From GC/CM risk contingency to GMPA #10	\$ 81,042
419	Drill Holes for Anchors	From GC/CM contingency to GMPA #9	\$ 1,982
425	Roof Transition to Canopy	Transfer between subcontractors in GMPA #11	\$ 4,305
431	MCC-RW Network Cables	From owner contingency to GMPA #9	\$ 2,773
440	Electrical Power for Door	From owner contingency to GMPA #9	\$ 4,391
442	Pump Instrument Connections	From GC/CM risk contingency to GMPA #9	\$ 4,110
454	Piping to Sink in Lab	From owner contingency to GMPA #11	\$ 5,475
455	Escutcheon Plates	From owner contingency to GMPA #11	\$ 1,355
459	Temp Power for Crane	From GC/CM risk contingency to GMPA #9	\$ 3,429
460	Assigned Trade Damage	Transfer from GMPA #10 to GMPA #9	\$ 8,800
462	Premium Time for Electricians	From GC/CM risk contingency to GMPA #9	\$ 2,847
463	Remove VFDs from Blowers	From GC/CM risk contingency to GMPA #9	\$ 1,547
472	Coating for Skylights	From owner contingency to GMPA #11	\$ 611
474	Flashing at Window	From owner contingency to GMPA #11	\$ 741
479	Delete Demolition Work	From GMPA #13 to owner contingency	\$ 10,669
483	Canopy Framing	From owner contingency to GMPA #11	\$ 2,594
491	Fire Alarm Cellular Call Option	From owner contingency to GMPA #9	\$ 1,761
496	Added Conduit	From GC/CM risk contingency to GMPA No. 9	\$ 3,686

Note:

1. Excluding profit and tax.

10. CHANGE ORDERS

Change orders. Change orders that adjust a guaranteed maximum price amendment (GMPA) shall be made principally for the following events:

- Scope changes
- Concealed or unknown conditions
- Regulatory agency changes
- Significant design errors or omissions
- Changes required by governmental inspectors to meet requirements beyond those contained in regulations
- Allowance adjustment

See Section 2.2.4.2 of the *Standard Form of Agreement Between Owner and Construction Manager as Constructor* for additional information pertaining to change orders. The current status of change orders adjusting GMPAs are indicated in Table 10.1 below.

Table 10.1 Change Orders	Original GMPA	Previous Change Orders	Change Orders this Month	Current GMPA ⁽¹⁾
GMPA No. 1	2,553,317	0	0	2,553,317
GMPA No. 2	1,991,249	0	0	1,991,249
GMPA No. 3	836,130	-202,630	0	633,500
GMPA No. 4	5,109,549	202,630	0	5,312,179
GMPA No. 5	2,028,222	0	0	2,028,222
GMPA No. 6	3,966,503	0	0	3,966,503
GMPA No. 7	9,335,968	0	0	9,335,968
GMPA No. 8	10,824,756	0	0	10,824,756
GMPA No. 9	33,265,589	0	0	33,265,589
GMPA No. 10	5,373,040	0	0	5,373,040
GMPA No. 11	22,023,790	0	0	22,023,790
GMPA No. 12	4,353,876	0	0	4,353,876
GMPA No. 13	16,063,538	0	0	16,063,538
Subtotal	117,745,527	0	0	117,745,527
State Sales Tax (8.7%)	10,243,861	0	0	10,243,861
Total	127,989,388	0	0	127,989,388

Notes:

1. Excluding transfers of contingency between GMPAs.

11. SCHEDULE

The overall project schedule and construction schedule indicated below are based on the City's approval of GMPA No. 13 on April 17, 2018, and on the latest project construction schedule developed by Hoffman.

Table 10.1 – Overall Project Schedule

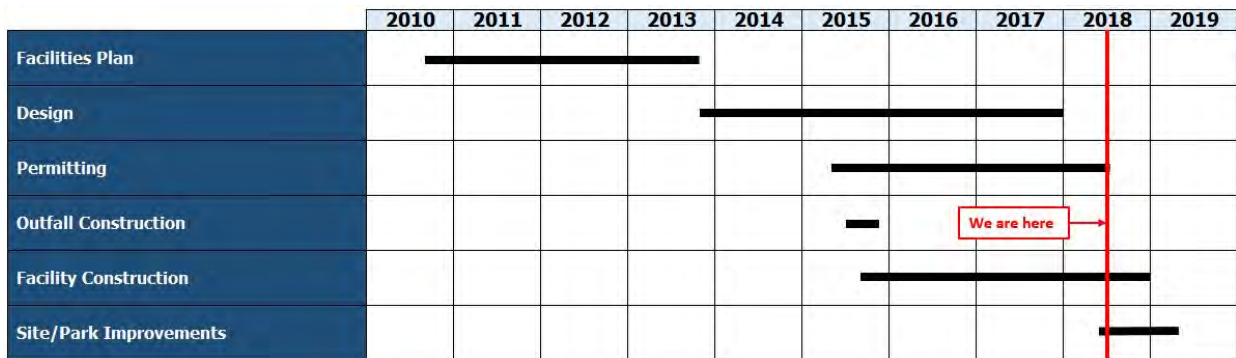
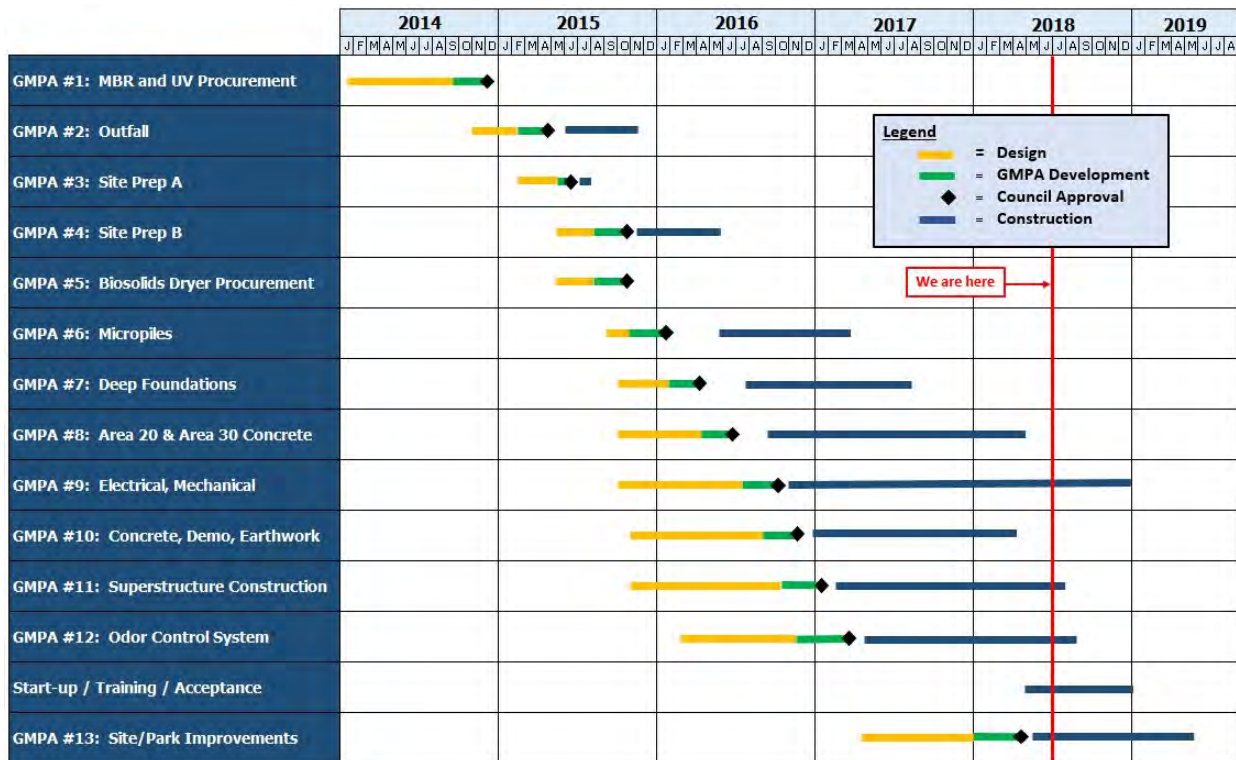


Table 10.2 – Construction Schedule



12. PHOTOGRAPHS



Photo #1

Aerial photo of Windjammer Park and the Clean Water Facility job site (looking north) on June 1, 2018, two weeks after demolition work at Windjammer Park began.

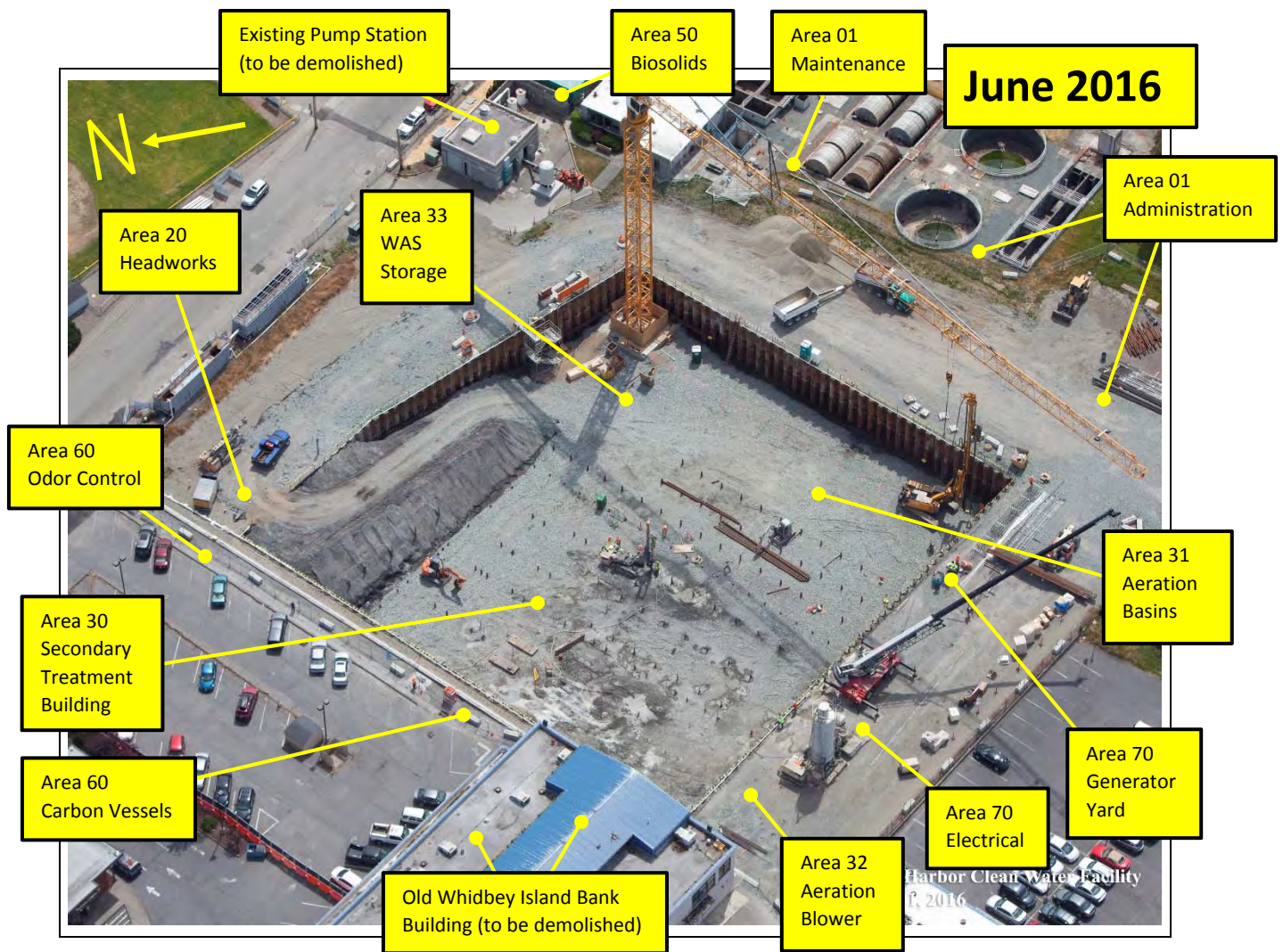


Photo #2

Aerial photo of the Clean Water Facility job site (looking southeast) on June 1st, 2016.

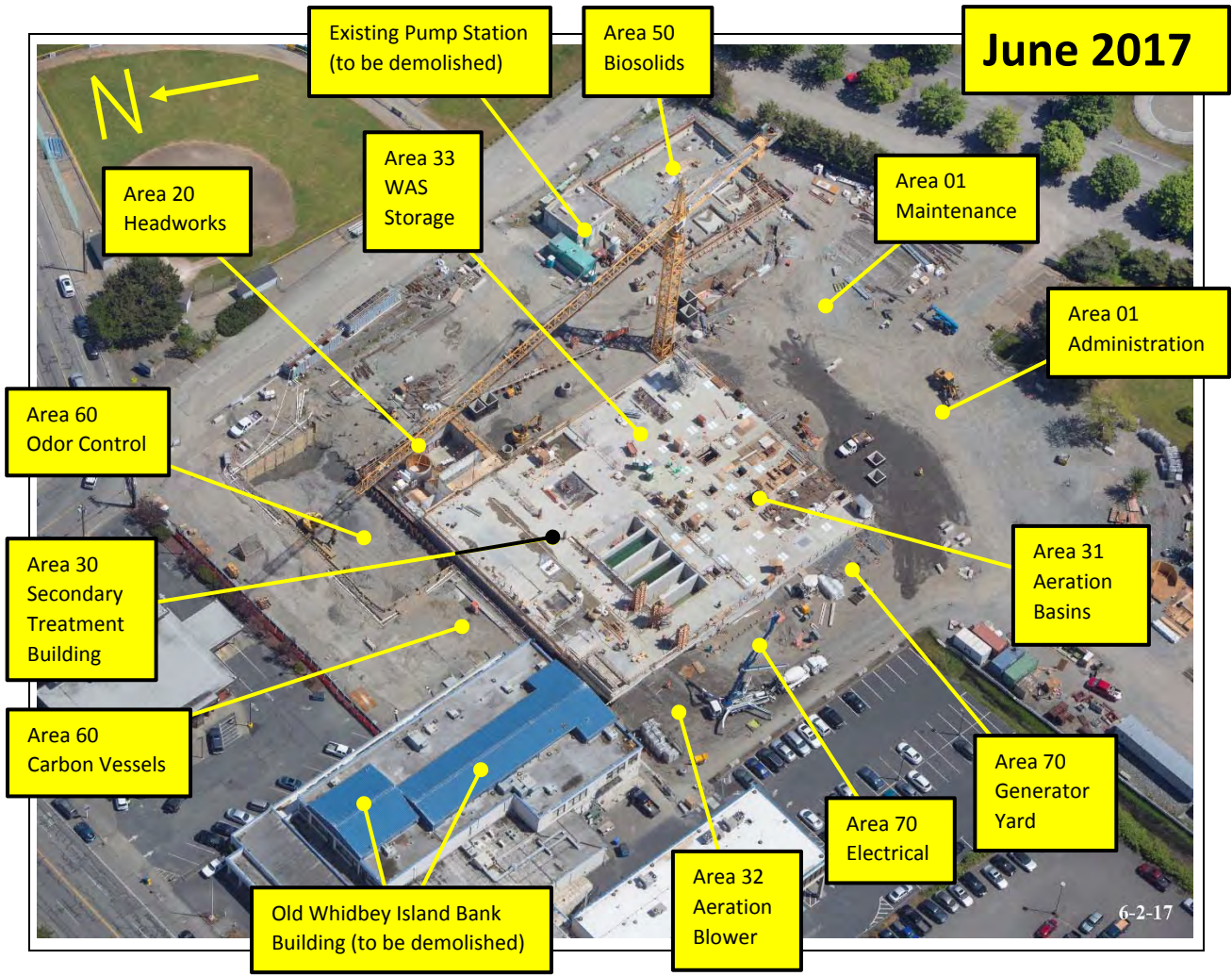


Photo #3

Aerial photo of the Clean Water Facility job site (looking southeast) on June 2nd, 2017.

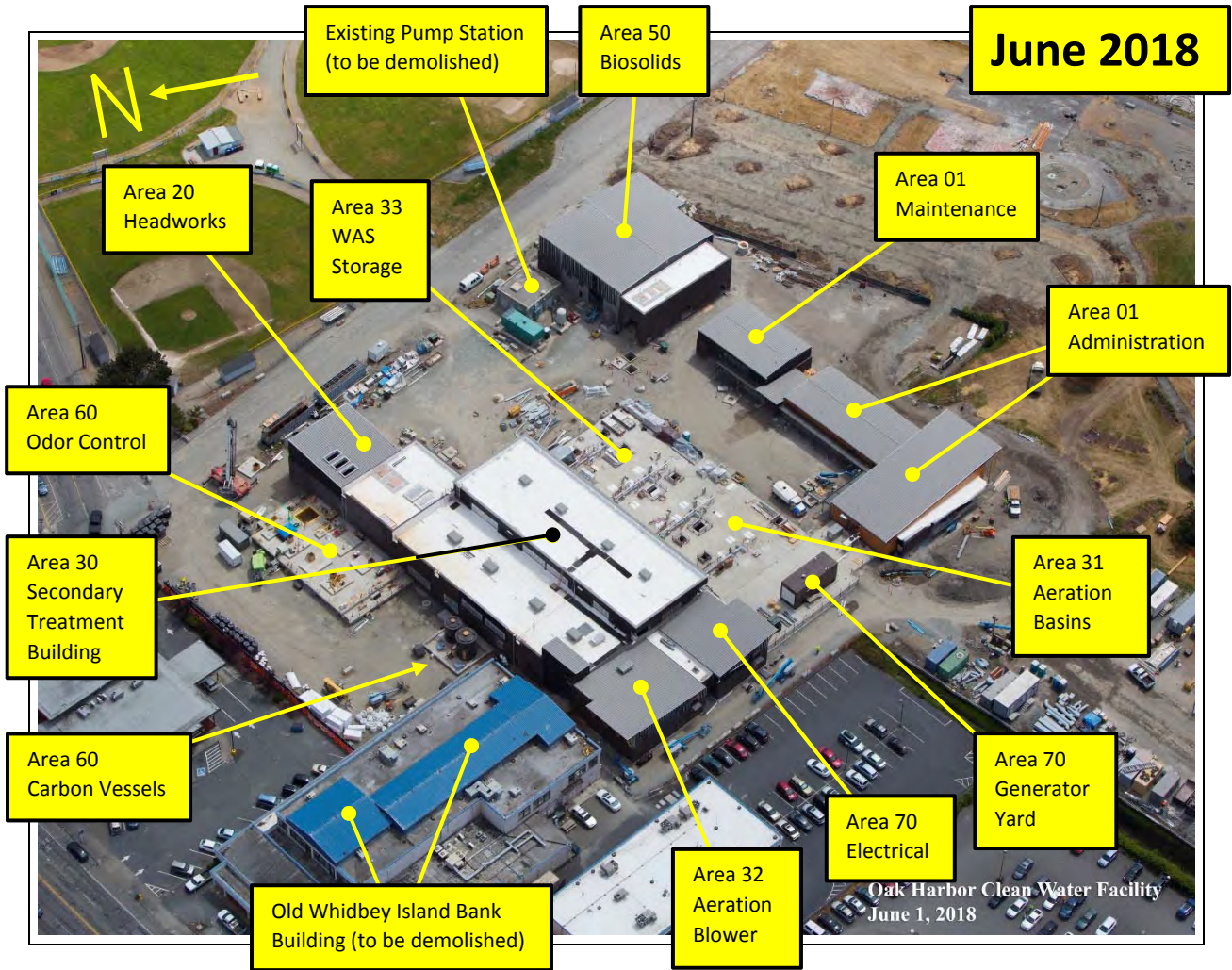


Photo #4

Aerial photo of the Clean Water Facility job site (looking southeast) on June 1st, 2018.



Photo #5

Area 70 Electrical Building (looking west) on Monday, June 4th.

An engineer for General Electric is programming switchgear so the switchgear can communicate with the Clean Water Facility SCADA system.



Photo #6

Area 01 Administration Building (looking northwest) on Tuesday, June 5th.

A cement mason for Flooring Solutions is grinding a concrete floor in the interpretive center.



Photo #7

Secondary Treatment Building (looking southeast) on Tuesday, June 5th.

A sheet metal worker for Delta Corporation is painting over a splice between two sections of 36-inch fiber reinforced plastic (FRP) foul air piping.



Photo #8

Area 70 Generator Yard (looking west) on Tuesday, June 5th.

Linemen for Puget Sound Energy are preparing to terminate conductors at a transformer.



Photo #9

Windjammer Park (looking south) on Wednesday, June 6th.

Interwest Construction is utilizing an excavator to demolish existing pavement that made up a parking lot at the southwest corner of Windjammer Park. An archaeologist for ERCI (left, in orange vest) is observing the work.



Photo #10

Area 20 Headworks (looking northeast) on Thursday, June 7th.

A pipefitter for University Mechanical is removing rigging from a fine screen that was just lowered into place (through a skylight) by an all-terrain crane into a fine screen channel.



Photo #11

Area 70 Generator Yard (looking northwest) on Monday, June 11th.

An electrician for Valley Electric is wearing an arc flash protection suit when operating the main circuit breaker serving the new Clean Water Facility.



Photo #12

Area 20 Headworks (looking northeast) on Thursday, June 14th.

This photo depicts the fine screens, slide gates, and other components installed at the fine screen channels.



Photo #13

Area 32 Aeration Blower Building and Area 70 Electrical Building (looking southeast) on Thursday, June 14th.

This photo depicts glass fiber reinforced concrete (GFRC) cladding that was recently installed.



Photo #14

Windjammer Park south of the new clean water facility maintenance building (looking north) on Thursday, June 14th.

Interwest Construction is utilizing articulated dump trucks to haul on-site material from a stockpile. These trucks weigh approximately 50K lbs unloaded and over 110K lbs loaded. An archaeologist for ERCI (left) is observing the work.



Photo #15

Area 01 Administration Building (looking north) on Wednesday, June 20th.

Interwest Construction is installing an 8-inch PVC water pipeline near the west sides of the administration, electrical, and aeration blower buildings.



Photo #16

Area 39 Drain Pump Station (looking northeast) on Thursday, June 21st.

A representative from APSCO, Clay Daly, is conducting an operator training session on plant drain pumps for City operators Lars Morgan and Brian Schneider (seen at left).



Photo #17

Area 30 Secondary Treatment Building (looking northeast) on Thursday, June 21st.

Pipefitters for University Mechanical are tightening bolts at flanged connections. This work is occurring after an initial hydrotest of plant effluent piping on the discharge side of ultraviolet reactors.



Photo #18

Area 39 Drain Pump Station (looking north) on Thursday, June 21st.

An electrician for Valley Electric is sorting conductors from a junction box.



Photo #19

North end of Windjammer Park (looking northeast) on Thursday, June 21st.

Interwest Construction is utilizing an excavator and an articulated truck to move on-site earthen material from a stockpile at the old RV Park.

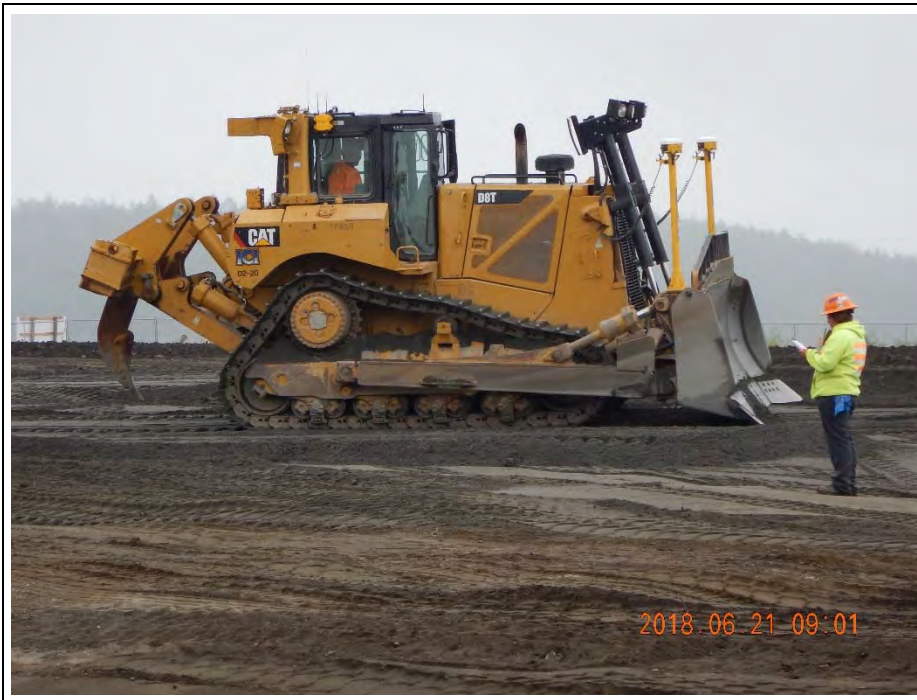


Photo #20

West end of Windjammer Park (looking south) on Thursday, June 21st.

The Caterpillar D8 dozer that Interwest Construction uses to spread earthen material is almost 12 feet tall and weighs approximately 87,000 lbs (equivalent to 17 Ford F150 pickup trucks).

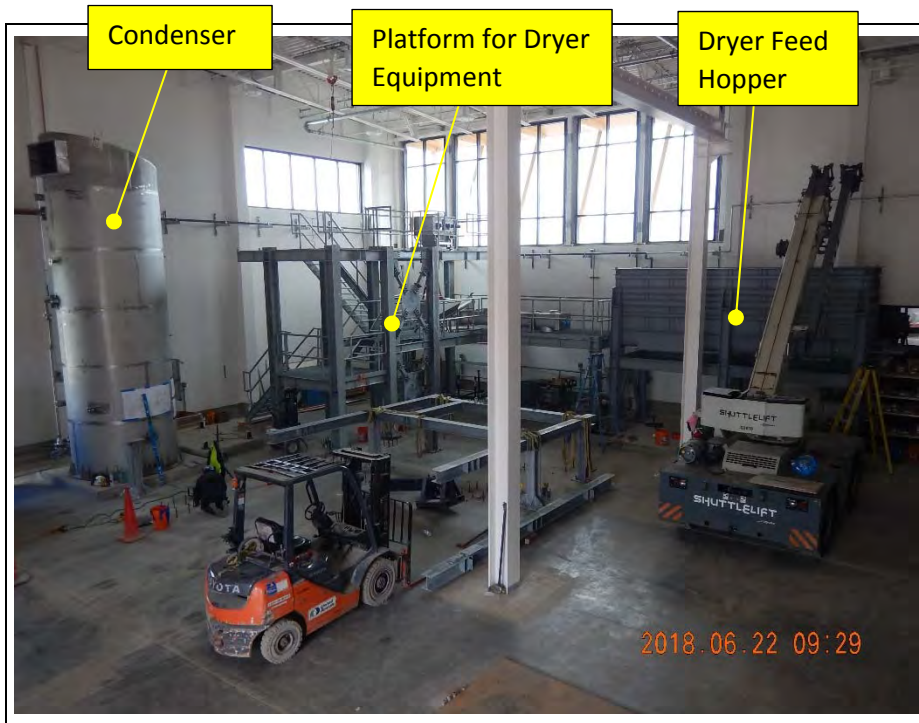


Photo #21

Area 50 Biosolids Building (looking southeast) on Friday, June 22nd.

This photo depicts the current status of the biosolids dryer installation.



Photo #22

Area 01 Administration Building (looking northwest) on Friday, June 22nd.

University Mechanical installed bathroom fixtures in a men's locker room.



Photo #23

Area 01 Administration Building (looking east) on Friday, June 22nd.

Zesbaugh installed lockers in locker rooms.



Photo #24

Area 70 Electrical Building
(looking northeast) on
Friday, June 22nd.

An electrician for Valley
Electric is terminating
conductors at a lighting
panel.



Photo #25

Area 01 Administration Building (looking northeast) on Friday, June 22nd. Axiom is installing glass-fiber reinforced concrete (GFRC) cladding.



Photo #26

Area 50 Biosolids Building (looking east) on Tuesday, June 26th.

A pipefitter for University Mechanical is disassembling augers (left) for a biosolids dryer hopper (lower right) so the augers can be sandblasted and painted.



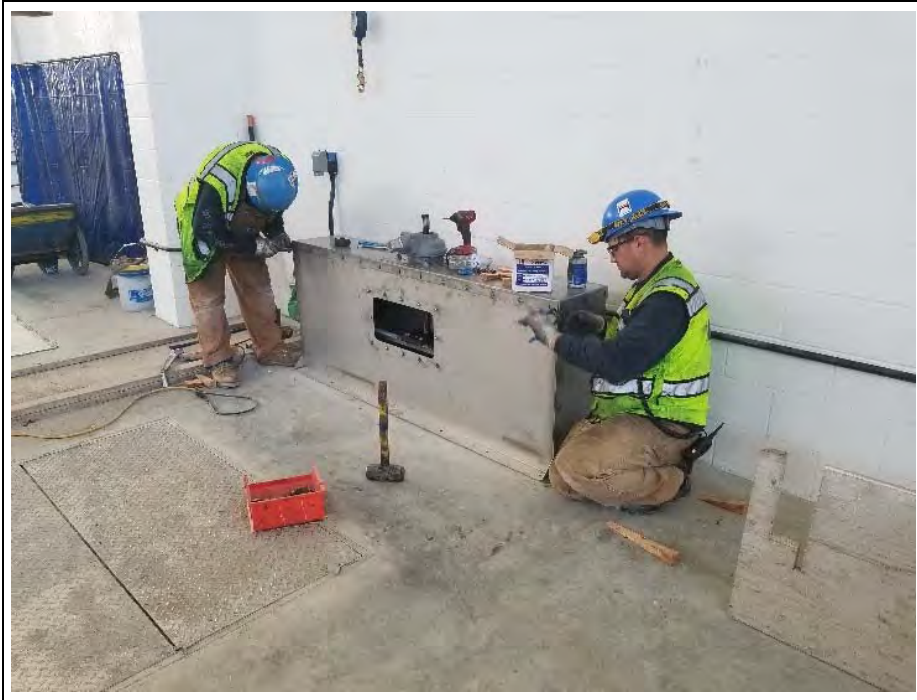


Photo #27

Area 30 Secondary Treatment Building (looking southeast) on Tuesday, June 26th.

Pipefitters for University Mechanical are assembling a cover over the top of a slide gate for Aeration Basin No. 1.



Photo #28

Area 20 Headworks (looking northeast) on Tuesday, June 26th.

An electrician for Valley Electric is installing local control panels for influent pumps.



Photo #29

Area 20 Headworks
(looking north) on
Tuesday, June 26th.

An electrician for Valley
Electric is feeding
conductors into a junction
box.



Photo #30

Area 34 Membrane Bio-reactor under a mixed liquor channel (looking west) on Wednesday, June 27th.

An electrician for Valley Electric is installing floats for sump pumps.



Photo #31

Area 34 Membrane Bio-reactor (looking northeast) on Thursday, June 28th.

Left: A representative for Golden Harvest is observing the operation of a slide gate from inside a mixed liquor channel.

Lower Right: Representatives from Rotork (left) and Golden Harvest (right) are raising and lowering a slide gate by means of a motor-driven actuator to verify that the actuator and the slide gate are operating correctly.



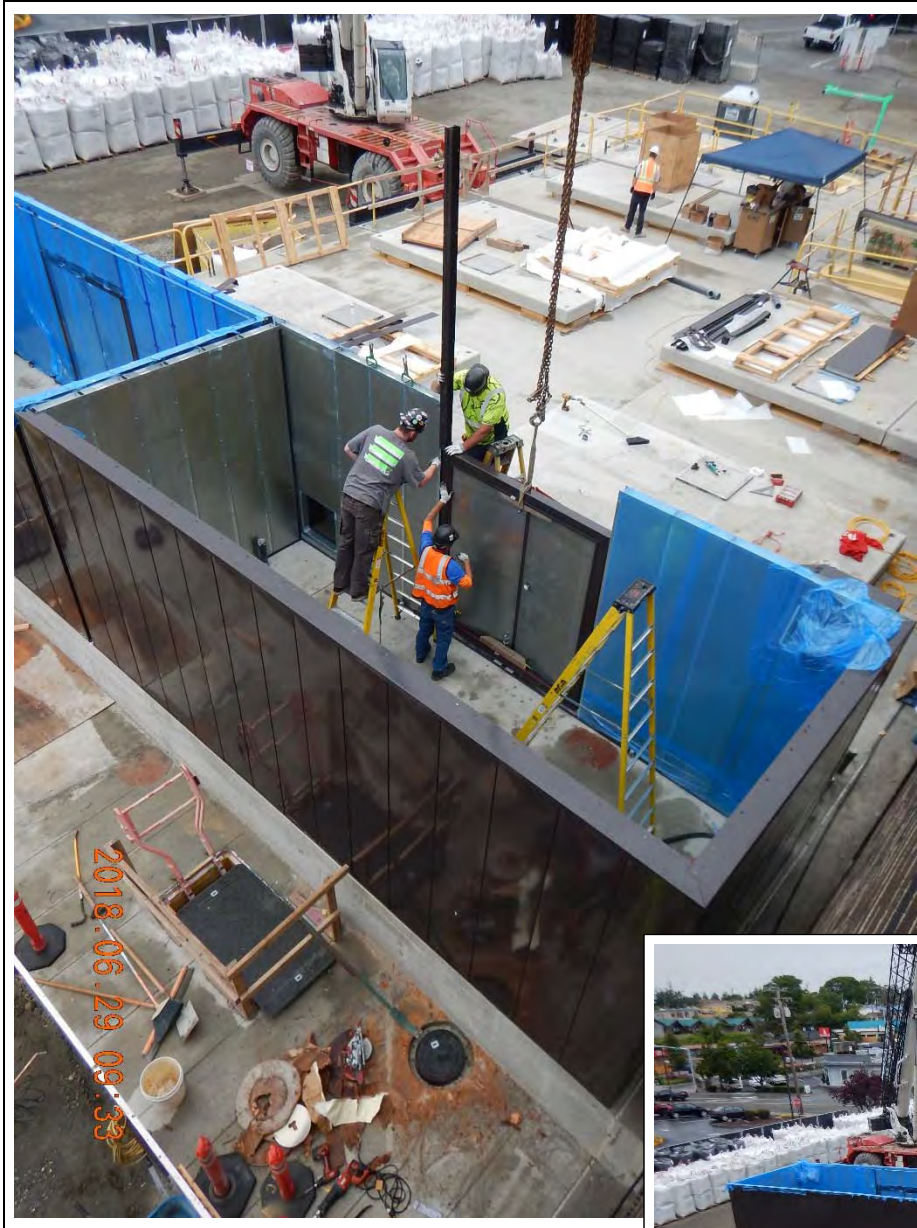


Photo #32

Area 60 Odor Control
(looking northeast) on
Friday, June 29th.

Hoffman is utilizing an
all-terrain crane to help
sheet metal workers for
Delta Corporation install a
section of sound enclosure
atop the west side of the
odor control structure.



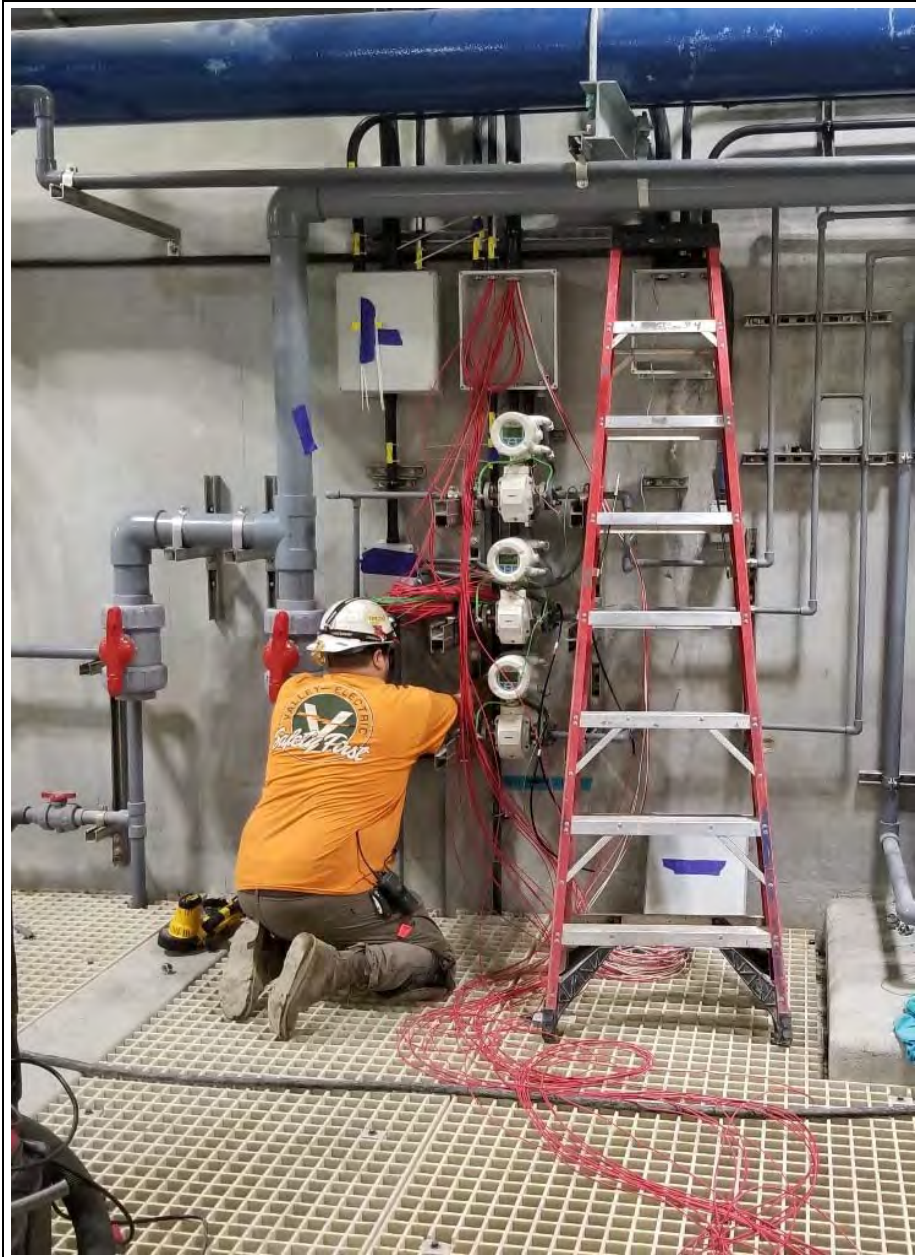


Photo #33

Area 37 Chemical Facilities
(looking north) on Friday,
June 29th.

An electrician for Valley
Electric is installing flexible
conduit for flow meters.

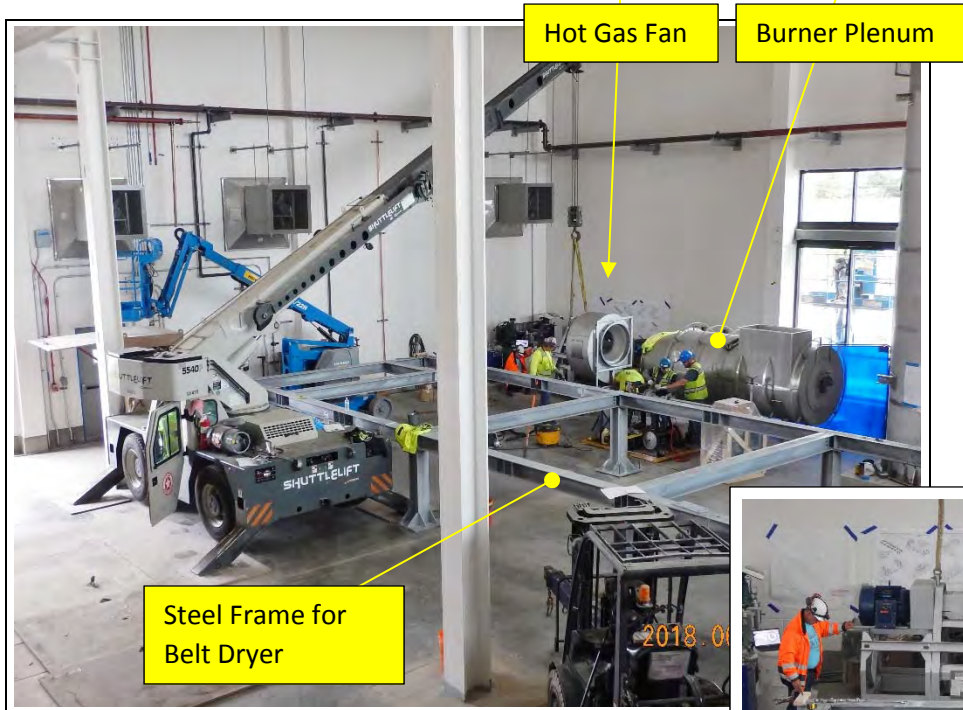


Photo #34

Area 50 Biosolids (looking northeast) on Friday, June 29th.

Hoffman is utilizing a mobile crane to help pipefitters for University Mechanical install a hot gas fan.

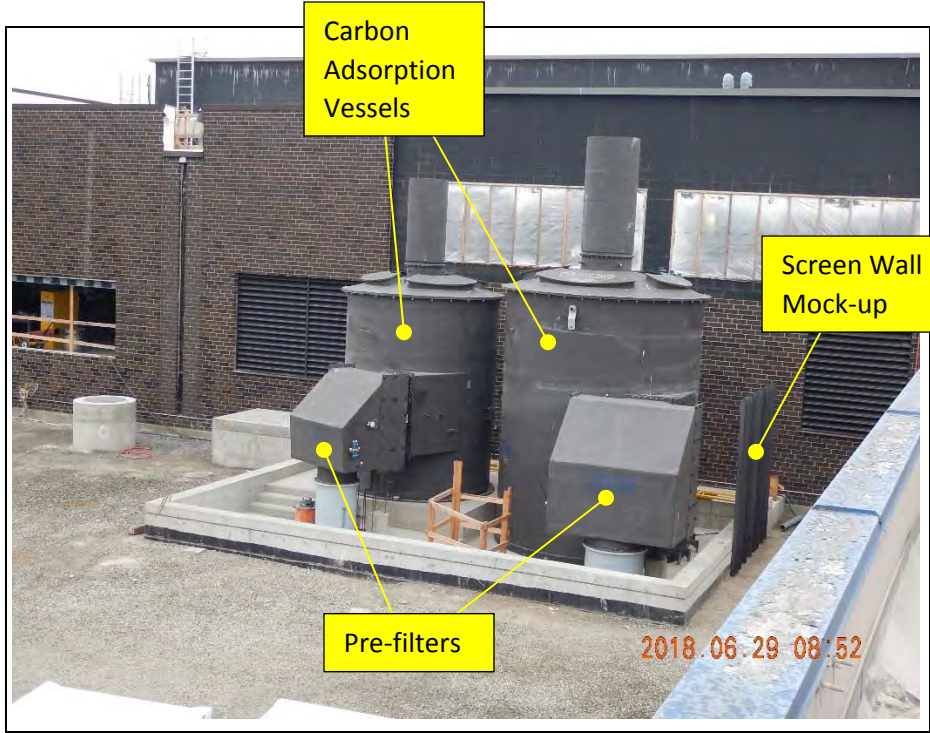


Photo #35

Area 60 Carbon Vessels (looking south) on Friday, June 29th.

This picture depicts the current status of the carbon adsorption vessels.



Photo #36

Windjammer Park (looking west) on Friday, June 29th. Interwest Construction is utilizing earthen material from a soil stockpile to implement a grading plan for Windjammer Park improvements. The earthen material in the stockpile was the result of excavation work that occurred in the spring of 2016 for the Clean Water Facility. The soil stockpile is located at the former location of the northeast portion of Staysail RV Park.

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ATTACHMENT A

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CLEAN WATER FACILITY PROJECT FINANCIAL REPORT

Summary Through 6/30/2018

REVENUE	FUNDING OBTAINED	FUNDING USED	BALANCE
SRF LOANS	97,983,466.00	88,017,138.65	9,966,327.35
BONDS	25,777,229.30	21,335,649.01	4,441,580.29
GRANTS	8,500,000.00	8,255,000.00	245,000.00
PROGRAM INCOME	14,928,779.30	1,218,832.81	13,709,946.49
CUMMULATIVE RESERVE	5,000,000.00	-	5,000,000.00
TOTAL REVENUE	152,189,474.60	118,826,620.47	33,362,854.13
EXPENDITURES	CONTRACTED/ESTIMATED BUDGET	PROJECT TO DATE ACTUAL	BALANCE
ACQUISITIONS	3,396,325.69	3,360,278.40	36,047.29
ADMINISTRATION	692,852.01	579,812.15	113,039.86
CONSTRUCTION	124,269,508.95	94,687,356.56	29,582,152.39
FINANCE	258,638.16	216,172.66	42,465.50
PROFESSIONAL SERVICES - DESIGN	9,447,726.92	9,249,733.06	197,993.86
PROFESSIONAL SERVICES - CONSTRUCTION	10,277,082.18	7,728,452.39	2,548,629.79
TOTAL PROJECT EXPENDITURES	148,342,133.91	115,821,805.22	32,520,328.69
CASH SURPLUS (DEFICIT)	3,847,340.69	3,004,815.25	842,525.44

FINANCING/TRANSFERS			
BONDS	2,776,377.50	2,348,781.87	427,595.63
LOANS	586,100.19	206,033.38	380,066.81
TRANSFERS- WINDJAMMER PARK - DESIGN	484,863.00	450,000.00	34,863.00
TOTAL FINANCING/TSFR	3,847,340.69	3,004,815.25	842,525.44

ESTIMATED CASH REMAINING	0.00	0.00	(0.00)
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Prepared by Patricia Soule, Finance Director

CLEAN WATER FACILITY PROJECT FINANCIAL REPORT

Expanded Detail

(ALL COSTS - EXCEPT OUTFALL AND FACILITY PLAN)

REVENUE	Estimated Budget	Actual through 6/30/2018	Balance
Loans	97,983,466.00	88,017,138.65	9,966,327.35
2015 SRF LOAN (00021)	8,260,000.00	8,260,000.00	-
2016 SRF LOAN (00240)	15,832,311.00	15,832,311.00	-
2017 SRF Loan (00081)	44,766,854.00	44,766,854.00	-
2018 SRF Loan (00112)	29,124,301.00	19,157,973.65	9,966,327.35
Bonds	25,777,229.30	21,335,649.01	4,441,580.29
2016 Revenue Bonds	25,777,229.30	21,335,649.01	4,441,580.29
Grants	8,500,000.00	8,255,000.00	245,000.00
2016 Forgivable Principal Grant #00240	463,154.00	463,154.00	-
2016 Centennial Grant #00240	4,586,846.00	4,586,846.00	-
2015 Legislative Capital Grant	2,450,000.00	2,205,000.00	245,000.00
Rural Economic Dev .09 Grant	1,000,000.00	1,000,000.00	-
City Cash	19,928,779.30	1,218,832.81	18,709,946.49
System Development Fees	5,000,000.00		5,000,000.00
City Reserves	14,928,779.30	1,218,832.81	13,709,946.49
Total Revenue	152,189,474.60	118,826,620.47	33,362,854.13
EXPENDITURES	Estimated Budget	Actual through 6/30/2018	Balance
Acquisitions	3,396,325.69	3,360,278.40	36,047.29
Contract			
Fullerton	12,990.00	12,990.00	-
Legal	38,774.97	15,388.72	23,386.25
Misc	15,523.45	15,523.45	-
Property	2,923,824.83	2,923,824.83	-
Rent	402,086.96	390,175.92	11,911.04
Supplies	125.48	125.48	-
Utilities	3,000.00	2,250.00	750.00
Administration	692,852.01	579,812.15	113,039.86
IDCA	680,790.04	567,750.18	113,039.86
Travel	12,061.97	12,061.97	-
Construction	124,269,508.95	94,687,356.56	29,582,152.39
Contract			
Carollo	1,828,155.00	1,235,971.54	592,183.46
Hoffman ⁽¹⁾	114,981,820.36	93,037,719.96	21,944,100.40
Hoffman ⁽²⁾	6,485,578.30		6,485,578.30
PSE	568,742.77	99,626.22	469,116.55
Equipment	80,828.85		80,828.85
Materials	14,972.32	14,972.32	-
Misc	6,537.35	24,928.97	(18,391.62)
Supplies	3,586.45	1,627.03	1,959.42
Travel	18.00	18.00	-
Utilities	299,269.55	272,492.52	26,777.03
Finance	258,638.16	216,172.66	42,465.50
Audit	16,823.70	11,823.70	5,000.00
Contract			
Katy Isaksen	17,940.00	9,880.00	8,060.00
PFM	125,000.00	90,717.74	34,282.26
Financing	98,796.98	103,673.74	(4,876.76)
Misc	77.48	77.48	-

Notes:

1. Hoffman's estimated budget excludes GMPA No. 2
2. Hoffman amount transferred to Windjammer Park Project Fund so costs can be tracked in detail there

CLEAN WATER FACILITY PROJECT FINANCIAL REPORT

Expanded Detail

(ALL COSTS - EXCEPT OUTFALL AND FACILITY PLAN)

EXPENDITURES - continued	Estimated Budget	Actual through 6/30/2018	Balance
Professional Services - Design	9,447,726.92	9,249,733.06	197,993.86
Advertising	15,984.39	15,984.39	-
Contract			-
Carollo	7,672,145.46	7,496,177.16	175,968.30
Christensen	10,000.00	5,039.37	4,960.63
ERCI	269,127.83	269,127.83	-
Hoffman	781,766.00	779,621.07	2,144.93
KBA	-	-	-
OAC	47,624.55	47,624.55	-
Perkins Coie	55,251.84	55,251.84	-
RSR	128,304.00	128,304.00	-
Equipment	7,860.42	7,860.42	-
Food	1,453.79	1,453.79	-
Materials	4,745.09	4,745.09	-
Misc	3,702.23	3,702.23	-
Monitoring	13,285.38	12,954.38	331.00
Permit	435,872.47	421,283.47	14,589.00
Supplies	361.60	361.60	-
Utilities	241.87	241.87	-
Professional Services - Construction	10,277,082.18	7,728,452.39	2,548,629.79
Advertising	13,688.53	14,422.99	(734.46)
Contract			-
Carollo	5,505,213.25	3,646,744.47	1,858,468.78
C2G	15,000.00		15,000.00
ERCI	1,112,002.15	1,004,998.54	107,003.61
Gary Goltz	70,500.30	5,423.10	65,077.20
KBA	3,481,613.28	3,023,285.40	458,327.88
OAC	7,855.45	7,855.45	-
Perkins Coie	43,208.16	5,911.31	37,296.85
Food	321.65	131.72	189.93
Misc	4,079.41	4,079.41	-
Monitoring	23,600.00	15,600.00	8,000.00
Total Expenditures - Project #ENG 1609	148,342,133.91	115,821,805.22	32,520,328.69
Estimated Cash Remaining	3,847,340.69	3,004,815.25	842,525.44

FINANCING/TRANSFERS			
Bonds	2,776,377.50	2,348,781.87	427,595.63
Interest	2,204,493.03	1,776,897.40	427,595.63
Miscellaneous	571,884.47	571,884.47	-
Loans	586,100.19	206,033.38	380,066.81
Principal	217,403.38	96,115.12	121,288.26
Interest	368,696.81	109,918.26	258,778.55
Transfers	484,863.00	450,000.00	34,863.00
Windjammer Park - for 1/2 Design Costs	484,863.00	450,000.00	34,863.00
Project #FIN1601	3,847,340.69	3,004,815.25	842,525.44
Surplus (Deficit)	-	-	(0.00)

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ATTACHMENT B

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AUTHORIZATION FOR PAYMENT OAK HARBOR CLEAN WATER FACILITY

Date: May 31, 2018

Owner: City of Oak Harbor
865 SE Barrington Drive
Oak Harbor, WA 98277

Contract: Brett Arvidson, Project Engineer
Telephone: (360) 279-4521

Progress Payment No.: Application No. CWFC37

Contractor: Hoffman Construction Company of Washington
600 Stewart Street, Suite 1000
Seattle, WA 98101

Contact: Trevor Thies, Project Manager
Telephone: (206) 268-6697

	Project Number	BA&S Number	Original GMPA Amount	Adjustments ⁽¹⁾	Current GMPA Amount	Previous Amount Paid	Current Payment Request	Total Paid to Date	Remaining Balance	Percent Complete
GMPA No. 1 CWF Work:	eng1609.con.017	422.30.594.35.6200	2,448,520.00	-	2,448,520.00	2,004,204.50		2,004,204.50	444,315.50	81.9%
GMPA No. 2 Outfall Work:	eng1609.con.018	422.30.594.35.6310	1,427,000.00	5,641.79	1,432,641.79	1,432,641.79		1,432,641.79	-	100.0%
GMPA No. 3 CWF Work:	eng1609.con.019	422.30.594.35.6200	627,347.00	(199,914.78)	427,432.22	292,799.34		292,799.34	134,632.88	68.5%
GMPA No. 4 CWF Work:	eng1609.con.021	422.30.594.35.6200	3,919,735.00	235,558.47	4,155,293.47	4,155,293.47		4,155,293.47	0.00	100.0%
GMPA No. 5 CWF Work:	eng1609.con.022	422.30.594.35.6200	1,879,205.00	-	1,879,205.00	939,604.75	413,425.10	1,353,029.85	526,175.15	72.0%
GMPA No. 6 CWF Work:	eng1609.con.023	422.30.594.35.6200	2,565,820.00	(331,379.32)	2,234,440.68	2,231,944.84		2,231,944.84	2,495.84	99.9%
GMPA No. 7 CWF Work:	eng1609.con.024	422.30.594.35.6200	6,239,185.00	25,679.70	6,264,864.70	6,097,570.23	40,724.75	6,138,294.98	126,569.72	98.0%
GMPA No. 8 CWF Work:	eng1609.con.007	422.30.594.35.6200	7,024,188.00	774,390.52	7,798,578.52	7,415,445.76	105,579.58	7,521,025.34	277,553.18	96.4%
GMPA No. 9 CWF Work:	eng1609.con.008	422.30.594.35.6200	30,148,712.00	1,611,849.29	31,760,561.29	24,671,085.27	2,357,718.02	27,028,803.29	4,731,758.00	85.1%
GMPA No. 10 CWF Work:	eng1609.con.009	422.30.594.35.6200	4,809,815.00	1,470,777.78	6,280,592.78	5,868,814.73	407,927.05	6,276,741.78	3,851.00	99.9%
GMPA No. 11 CWF Work:	eng1609.con.042	422.30.594.35.6200	17,934,490.00	817,789.06	18,752,279.06	13,677,969.39	1,097,267.88	14,775,237.27	3,977,041.79	78.8%
GMPA No. 12 CWF Work:	eng1609.con.045	422.30.594.35.6200	3,957,515.00	11,274.96	3,968,789.96	1,902,821.78	534,690.00	2,437,511.78	1,531,278.18	61.4%
GMPA No. 13 CWF Work:	eng1609.con.047	422.30.594.35.6200	4,580,897.70	(850,000.00)	3,730,897.70	deduct fm SRF	193,550.00	193,550.00	3,537,347.70	5.2%
Subtotal CWF Work:			87,562,429.70	3,571,667.47	91,134,097.17	70,690,195.85	5,150,882.38	75,841,078.23	15,293,018.94	
GMPA No. 13 WJP Work (Sewer):	eng1701.con.170.111	325.10.594.79.6300	5,449,153.30	29,022.64	5,478,175.94	deduct fm SRF	323,288.64	323,288.64	5,154,887.30	5.9%
GMPA No. 13WJP Work (General):	eng1701.con.170.112	325.10.594.79.6300	3,819,283.00	-	3,819,283.00	-	-	-	3,819,283.00	0.0%
Subtotal WJP Work:			9,268,436.30	29,022.64	9,297,458.94	-	323,288.64	323,288.64	8,974,170.30	0.06
Negotiated Support Services CWF:	eng1609.con.032	422.30.594.35.6200	8,339,260.00	-	8,339,260.00	5,863,886.35	176,761.50	6,040,647.85	2,298,612.15	72.4%
Specified General Conditions:	eng1609.con.033	422.30.594.35.6200	2,392,490.00	-	2,392,490.00	1,791,135.00	74,291.00	1,865,426.00	527,064.00	78.0%
Subtotal Work, NSS, and SGC:			107,562,616.00	3,600,690.11	111,163,306.11	78,345,217.20	5,725,223.52	84,070,440.72	27,091,865.39	75.6%

GMP#13 will not be charged to Dept of Ecology

Project Number	BARS Number	Original GMPA Amount	Adjustments ⁽¹⁾	Current GMPA Amount	Previous Amount Paid	Current Payment Request	Total Paid to Date	Remaining Balance	Percent Complete
GC/CM Risk Contingency		3,492,360.00	(1,951,607.85)	1,540,752.15				1,540,752.15	
Owner Risk Contingency		1,857,883.00	(1,649,082.26)	208,800.74				208,800.74	
Subtotal Contingencies:		5,350,243.00	(3,600,690.11)	1,749,552.89				1,749,552.89	
Hoffman Subtotal:		112,912,859.00		112,912,859.00	78,345,217.20	5,725,223.52	84,070,440.72	28,842,418.28	
GC/CM Fee (4.28%) CWF	eng1609.con.036	4,832,668.00		4,832,668.00	3,353,175.28	231,202.82	3,584,378.10	1,234,453.15	
GC/CM Fee (4.28%) WJP-S	eng1701.con.036.111					13,836.75			
GC/CM Fee (4.28%) WJP-G	eng1701.con.036.112								
Contract SUBTOTAL:		117,745,527.00		117,745,527.00	81,698,392.48	5,970,263.09	87,668,655.57	30,076,871.43	74.5%
WA State Sales Tax (8.7%) CWF	eng1609.con.037	10,243,860.85		10,243,860.85	7,107,760.14	490,082.98	7,597,843.12	2,616,687.82	
WA State Sales Tax (8.7%) WJP-S	eng1701.con.037.111								
WA State Sales Tax (8.7%) WJP-G	eng1701.con.037.112					29,329.91	29,329.91		
TOTAL:		127,989,387.85		127,989,387.85	88,806,152.62	6,489,675.98	95,295,828.60	31,693,559.25	74.5%

CONTRACT AMOUNT

PAID TO DATE

Retainage Adjustment CWF (422):	3,338,964.06
Retainage Adjustment WJP (325):	16,856.27
Net Payment(s):	6,275,939.73

CONTRACT AMOUNT

PAID TO DATE

CONTRACT AMOUNT

PAID TO DATE

CONTRACT AMOUNT

NOTES:

1. Adjustments between work and contingencies are documented by means of cost change memorandums, which are reviewed and approved by the City.

2. Percentage allocations reflected between projects ENG1609 (CWF) and EN G1701 (WJP-Sewer) are based on an estimated overall allocation of work. Actual monthly invoices will not reflect the actual performance in specific project areas. Resultant of the GC/CM Fees and Taxes are calculated on these assumptions. These allocations are for asset accounting purposes only.

3. CWF = Clean Water Facility

4. MPA = Guaranteed Maximum Price Amendment

Pay request verified by: Daniel Williams, Resident Engineer, KBA

signature

6/12/18

date

Pay request verified by: Brett Arvidson, Project Engineer

signature

Joe Stowell

6/12/18

date

Payment authorized by: Joe Stowell, City Engineer

signature

6/12/18

date

CWF RETAINAGE BREAKDOWN:

Total of Hoffman Contract Subtotal from above:	81,698,392.48	5,970,263.09	87,668,655.57
Less Valley Electric covered by Retainage Bond:	(6,985,803.00)	(1,655,538.00)	(8,681,341.00)
Less Condon Johnson Completed Sub-Contract:	(5,362,670.39)		(5,362,670.39)
Less Malcolm Drilling Completed Sub-Contract:	(1,136,262.20)		(1,136,262.20)
Less Pelco Completed Sub-Contract:	(1,434,376.78)		(1,434,376.78)
Contract Amount for 5% Retainage Calculation:	66,779,280.11	4,274,725.09	71,054,005.20
Retainage (5%) on Total Earned to date:	4,084,919.68	298,513.15	4,383,432.83
Less Valley Electric covered by Retainage Bond:	(349,290.15)	(84,776.90)	(434,067.05)
Less Condon Johnson Retainage Released 02/21/18:	(268,133.52)		(268,133.52)
Less Malcolm Drilling Retainage Released 02/21/18:	(56,813.11)		(56,813.11)
Less Pelco Retainage Released 05/15/18:	(71,718.84)		(71,718.84)
Retainage Adjustment:	3,338,964.06	213,736.25	3,552,700.31

Retainage for project ENG1701 is calculated on the sum of WIP sewer and general work and GC/CM fees only and is deducted from the retainage adjustment.

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ATTACHMENT C

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City of Oak Harbor

Bob Severns, Mayor
Beth Munns, Mayor Pro-Tem

Rick Almborg, Councilmember
Tara Hizon, Councilmember

Bill Larsen, Councilmember
Joel Servatius, Councilmember

Erica Wasinger, Councilmember
James Woessner, Councilmember

Patricia Soule, Interim City Administrator
Cathy Rosen, Director of Public Works
Joe Stowell, City Engineer
Brett Arvidson, Project Engineer
Phil Matthews, Plant Supervisor

Carollo Engineers

Brian Matson, Project Manager
Karl Hadler, Design Manager,
Michael Borrero, Resident Engineer
Monte Richards, SCADA Engineer
Brian Graham, Start-up Engineer

- MWA Architects
- Greenworks
- Enviroissues

Hoffman Construction Company

Trevor Thies, Senior Project Manager
Bryan Shirley, Senior Superintendent
Ben Larson, Project Manager
Esau Spicer, Superintendent
Bobby Taylor, Project Engineer
Jim Morrison, Project Engineer
Adam Jorgenson, Project Engineer
Dana Beckman, Office Manager

KBA

K Adams, Project Manager
Daniel Williams, Resident Engineer
Chris Bailey, Project Specialist
Ed Field, Inspector
Brian Hanson, Inspector

- GeoTest Services
- Oxford Engineering (cost validation)

Advanced Equipment Corporation
Andersen Specialties, Co.
Ascendent, LLC
Automated Gates and Equipment
Axiom Construction (metal roof and flashing)
Bilco Company, The
Biorem Enviromental, LLC
Brandsen Hardwood Floors, Inc.
Condon Johnson
-- Concrete Nor'West (Miles Sand & Gravel)
-- Ness Cranes
Crawford Garage Doors
DeaMor Associates
EISI Consulting Engineers
Electric Reliability Services
Engineered Treatment Systems (ETS)
Garner Construction
Haarslev Industries, Inc.
Hoffman Mechanical, Inc.
Hoffman Structures, Inc. (HSI)
-- Gerdau Reinforcing Steel
-- Interwest Construction
-- Leewens Corporation (T-lock lining)
-- Western Concrete Pumping
Interwest Construction
-- Allstar Hydroseeding
-- Bayside Services
-- Cascade Dive Company
-- Holocene Drilling
-- Lakeside Industries
-- Ming Surveyors
-- Morse Steel Service
-- Ness Cranes
-- Nordic Construction
-- North Hill Resources
-- Norton Corrosion
-- Penny Lee Trucking
-- Reece Construction
-- Salinas Sawing and Sealing
Island Partners Painting
Kent Crane & Inspection Services

KPFF Consulting Engineers
Laboratory Design & Construction
-- Scientific Lab Technology
Leewens Corporation (crack injection)
Madden Fabrication
Malcolm Drilling
-- Barnhart Crane & Rigging
-- Concrete Nor'West (Miles Sand & Gravel)
-- Lenz Enterprises
-- Ness Cranes
Ming Surveyors
Morrow Equipment Company
Ness Cranes
Northwest Playground Equipment, Inc.
Northwest Tower Crane
P&L Contractors
Pacific Earthworks, Inc.
Pacific Glass and Door
Pellco Construction
-- Ace Concrete Cutting
-- Allstar Hydroseeding
-- Bayside Services
-- Elcon Corporation
-- Holocene Drilling
-- Manholes Unlimited
-- Concrete Nor'West (Miles Sand & Gravel)
-- Penny Lee Trucking
Penington Painting Company
-- Hunnicutt's, Inc.
Performance Contracting, Inc.
R & D Masonry
Richards Phillips Marine (RPM)
-- Ace Concrete Cutting
-- Barnhart Crane and Rigging
-- Bellingham Marine Industry, Inc.
-- Emtek Matting Solutions
-- HD Supply
-- Wilson Engineering (Surveyors)
Shinn Mechanical
Snyder Roofing

ST Fabrication
-- Steellkorr, LLC
Turner Construction
University Mechanical Corporation
-- Casdade Sawing and Drilling
-- D&G Mechanical Insulation
-- Delta Technology Corporation
-- Honeywell International
-- EC Company
-- Interwest Construction
-- Norton Corrosion
-- Penhall Company
-- Seattle Concrete Core Drilling
United Site Services
Valdez Construction
-- Alliance Partition Systems
-- Axiom Construction (GFRCladding)
-- Forest Sound Products
-- Gale Contractor Services
-- LangCo NW
-- Flooring Solutions
-- Sabelhaus West
-- Sterling Contractors
Valley Electric
-- Concrete Nor'West (Miles Sand & Gr)
-- Integrity Networks
-- Interwest Construction
-- Johnson Controls
-- Ness Cranes
-- QualiTEQ
-- Redhawk Fire & Safety
-- RPL Electric
-- General Electric (Switchgear)
-- Rockwell Automation (MCCs)
-- Western Concrete Pumping
Washington Iron Works
WEMCO
Xylem Dewatering Solutions
Zenon Environmental (a.k.a Suez)
Zesbaugh, Inc.

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ATTACHMENT D

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City of Oak Harbor Clean Water Facility Project



Clean Water Facility starts operation in September

We are excited to announce starting in September 2018 when you flush your toilet, take a shower, or wash your dishes in Oak Harbor, drained water will go directly to the new Oak Harbor Clean Water Facility!



The facility coming online will mark a year of many milestones that included construction completion of all 11 buildings and turning on the power to the facility for the first time.

More work is ahead over the next few months, including:

- Demolition of the former Whidbey Island Bank building
- Working on Windjammer Park improvements
- Testing the system to bring the facility online
- Ribbon cutting in fall 2018 to celebrate the new facility

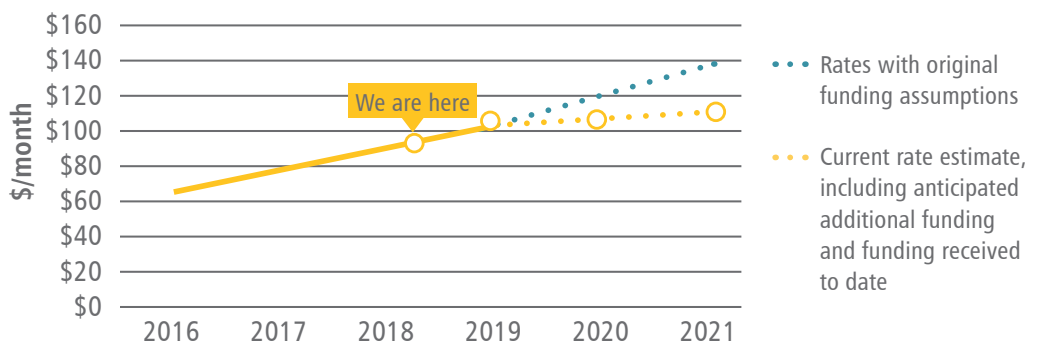
We appreciate your patience as we work to complete construction. More information will be available on our website and through project email updates as September nears.



Look how far we've come! Before and after view of the maintenance and administration buildings at the new Oak Harbor Clean Water Facility.

Project rates continue to meet projections

With the Clean Water Facility Project nearing completion, the projected sewer rates through 2021 are the same, or lower, as the project projected in 2016. Successful applications for state and federal funding also means the City has been able to reduce 2020 and 2021 rate projections.

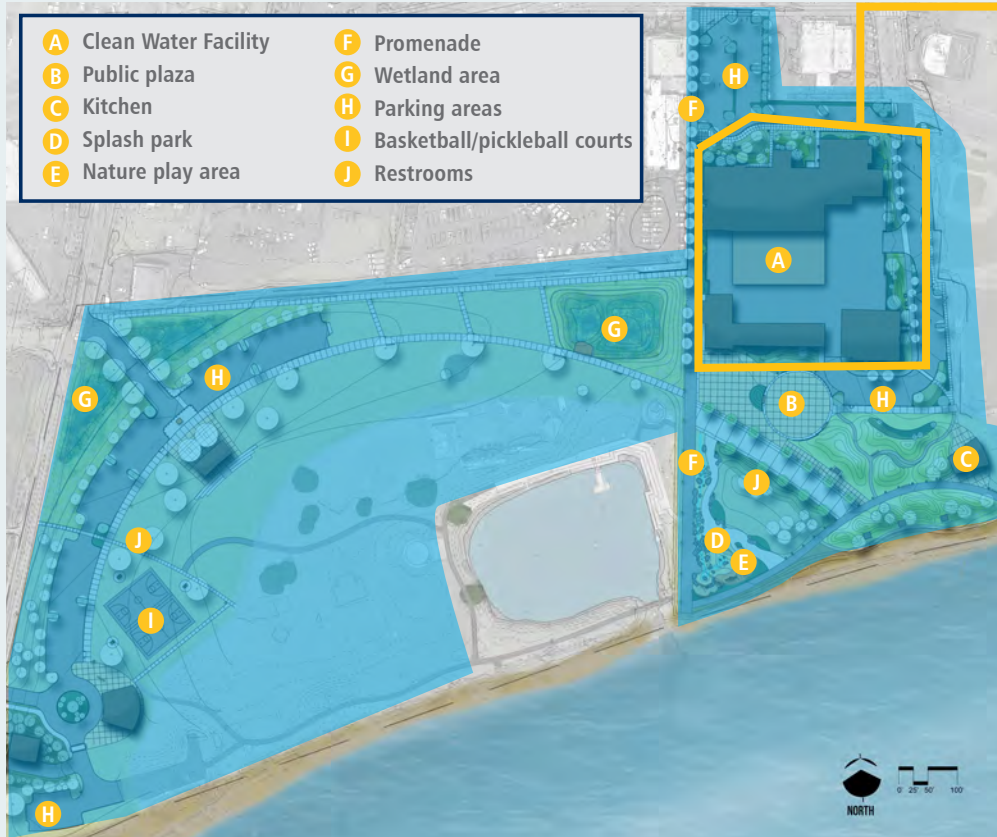


Take a tour of our future Windjammer Park!

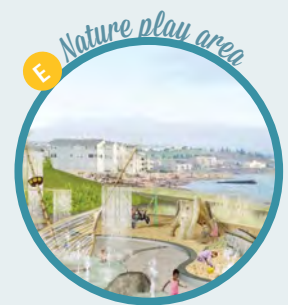
Walk through your new park

Siting the Clean Water Facility in Windjammer Park presented a unique opportunity to develop a long-term plan for the park, integrating existing and new elements into this special community space. Construction on Phase 1 park improvements began in mid-May. Phase 1 park improvements are setting the stage for future phases outlined in the Windjammer Park Improvement Plan.

Take a walk through the elements you'll be able to enjoy starting in summer 2019 below.



See page 3 to learn more about the Clean Water Facility buildings



What to expect during construction: mid-May 2018 – late spring 2019



- **DURING CONSTRUCTION, LARGE PORTIONS OF THE PARK WILL BE CLOSED**
- The waterfront trail, lagoon and ballfields will remain open during construction
- Sections of the park may re-open early as improvements are completed
- Special events typically held in the park will be held at other locations. Up-to-date information on community events and specific closure dates will be shared through our weekly email updates, the project website (oakharborcleanwater.org) and the Windjammer Park Improvements page on Oakharbor.org

Check out the structures in the new Clean Water Facility



Unlike the former Oak Harbor Wastewater Treatment Plant, all functions of the new Clean Water Facility will be covered.

1 Headworks building: Wastewater enters the facility through pipes under SE City Beach St and goes through a screening process to remove heavy material, grit (like sand), and sediment.

2 Aeration basins/Waste activated sludge storage: Air is mixed with wastewater for three to six hours, stimulating the growth of microorganisms that consume part of the waste.

3 Secondary treatment building: Microscopic solids are separated from liquids using membranes with pores smaller than one micrometer (0.001 millimeter). That's thinner than a human hair!



In the secondary treatment building, wastewater passes through the membrane bioreactor (MBR) tanks which stand almost two stories high.

4 UV treatment: The liquid "gets its tan on" and flows through a pipe with UV lamps that kill microorganisms by damaging their DNA. This treated and cleaned water travels through the outfall pipe into Oak Harbor Bay.

5 Solids building: Hot air is used to dry the leftover solid waste as it travels across a conveyor belt in the biosolids drier machine.



Solids dried in this building will be trucked off site to use as fertilizer for golf courses, farms, community gardens, and more!

6 Maintenance building: Equipment stored here helps make sure machinery in the facility stays in tip-top shape.

7 Odor control: Air from other buildings is "scrubbed" by biological materials that absorb odors, making sure you won't be able to smell the facility.

8 Aeration blower building: Air blown into the aeration basins, to stimulate the waste-eating microorganisms, must be kept above freezing and below 86 degrees.



Bubbler pipes in the aeration blower building feed microorganisms that chow down on waste during a three- to six-hour bath.

9 Electrical building: Equipment in this building monitors and maintains the facility's electricity.

10 Emergency generator: The name says it all! The emergency generator provides backup and emergency support for the facility in case of a power outage.

11 Administration building: In addition to a lab to test all waters, the administration building includes a multi-purpose interpretive center where you will be able to learn more about the city and facility.

Want to learn more?

Sign up for weekly construction updates:

treatmentplant@oakharbor.org

360-914-7000 | www.oakharborcleanwater.org



865 SE Barrington Drive
Oak Harbor, WA 98277

Oak Harbor Clean Water Facility

What's inside?

- Look at Windjammer Park Phase 1 improvements
- Learn about how the new Clean Water Facility will work
- Read about what's happening on site through 2018
- Get an update on rate projections

Want more project information?

Email us at treatmentplant@oakharbor.org or call 360-914-7000 to join our email list and receive weekly construction updates.

Oak Harbor Clean Water Facility

Summer 2018 Project Update



Clean Water Facility begins operating in September 2018!

Windjammer Park improvements underway

In mid-May we began work on Windjammer Park Phase 1 improvements. To complete construction, large portions of the park will be closed through late spring 2019.

See inside for a tour of the park improvements coming in Phase 1 and to learn more about what to expect during construction.

JULY 4TH FIREWORKS STILL ON!

Visit our website for location details



A new splash park, public plaza, kitchen, and other community spaces are coming to Windjammer Park summer 2019.

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