

City of Oak Harbor  
City Council Agenda Bill

Bill No. 5. c. i.  
Date: March 19, 2019  
Subject: Clean Water Facility Update

**FROM: Brett Arvidson, Project Manager**

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

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

**RECOMMENDED ACTION**

The Clean Water Facility Presentation will be provided during the March 19, 2019 Regular Meeting.

**BACKGROUND / SUMMARY INFORMATION**

**LEGAL AUTHORITY**

City Council

**FISCAL IMPACT**

**PREVIOUS COUNCIL / BOARD / CITIZEN INPUT**

**ATTACHMENTS**

1. [February 2019 Monthly Progress Report](#)

# Clean Water Facility Project

# Monthly Report

*February 2019*



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# City of Oak Harbor Clean Water Facility Project



## MONTHLY PROGRESS REPORT

February 2019

*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 February. Photographs referenced below are located in Section 12 of this report.

- The City's operations staff continued to operate the clean water facility and discharge effluent through an outfall pipeline to Oak Harbor Bay.
- Snowfall precluded almost all work on the project from Monday, February 4<sup>th</sup>, through Wednesday, February 13<sup>th</sup> (see Photos #8, #13, #14, #15).
- Haarslev (i.e., the biosolids dryer manufacturer) continued start-up activities associated with the dryer system (see Photos #40 and #58).
- University Mechanical and Valley Electric helped Haarslev with start-up activities (see Photos #24, #37, and #43).
- P&L General Contractors installed glulam beams, tongue-and-groove decking, plywood sheathing and substrate, and pressure treated wood furring at the east and west kitchens and pavilion (see Photos #4, #28, #31, #32, #45, #66, and #67).
- Black Rock Masonry installed basalt rock veneer at the pavilion (see Photos #28, #29, #33, and #61).
- Axiom installed a standing seam metal roofing system at the west kitchen (see Photos #52 and #65).

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

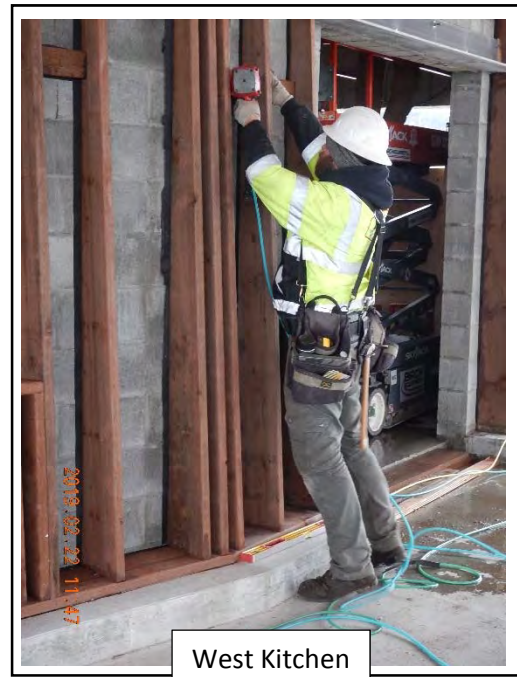
**Cost.** The total guaranteed maximum price for the clean water facility (including outfall pipeline) and Windjammer Park improvements is \$128,779,438 (including tax). After the City approves Hoffman Construction Company's payment request for the month of February, the total paid to date will be \$121,480,220 (including tax and preconstruction phase services), which makes up 94.3% of Hoffman's total contract amount. See Section 8, *Pay Request and Contract Status*, for additional information.

**Schedule.** The City's operations staff is operating the clean water facility and it is substantially complete, but "punch list" work and start-up activities associated with the biosolids dryer will occur in March and may extend into April. The work at Windjammer Park is expected to be complete by June 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 and then at a lagoon facility at the U.S. Navy seaplane base. The City has now replaced 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 <sup>(1)</sup>
•	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 <sup>(2)</sup>
•	GMPA No. 13	Windjammer Park Improvements	<u>\$10,226,233<sup>(2)</sup></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 <sup>(1)</sup>

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 shown 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.

Windjammer Park Design. The design of clean water facility site restoration work and Windjammer Park improvements is complete.

SCADA System Development. During the month of February, the City's operations staff utilized the SCADA system to facilitate operation of the clean water facility. Carollo's systems integration engineers (i.e., Jeff Janowiak, Amir Najafi, and Elise Moore) continued to provide support by means of phone conversations, e-mail correspondence, and remote access to the SCADA system. Carollo's operations start-up support engineer, Brian Graham, was on site in early February to assist the City. SCADA system development is substantially complete, but is expected to continue for several months.

Start-up Activities. The City's operations staff continues to operate the plant and discharge effluent into a 24-inch outfall pipeline and into Oak Harbor Bay. Throughout the month of February, representatives of Haarslev were on site conducting start-up activities associated with the biosolids dryer system. Start-up activities included testing analog input signals, testing digital output signals from a programmable logic controller, configuring an operator interface terminal, and operating motor-driven equipment and a burner plenum (see Photo #58). Pipefitters for University Mechanical and electricians for Valley Electric assisted Haarslev during start-up (see Photos #24, #37, and #43). See work activities for GMPA No. 5 for additional information.

GMPA No. 1 – MBR System and UV Disinfection Equipment (Procurement) and Engineering Support. Work on this GMPA is complete. Some engineering support consisting of phone conversations and e-mail correspondence with the City's operations staff continued in February and is expected to continue on an as-needed basis. Start-up testing is complete and a final "punch list" walk through that occurred in February did not reveal any deficiencies.

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 95% complete. Start-up activities continued in February. Engineers for the biosolids dryer manufacturer, Haarslev, operated electric motor-driven equipment including hopper augers, dryer feed pumps, a mixer, a chain conveyor, a feed distributor, a dosing unit, roller press drums, recirculation fans, dryer belts, a scraper, a dryer discharge screw, a tubular drag conveyor, crusher drums, a back mixer screw, transfer conveyors, and two slide gate valves. A technician from Germany was on site for two days (see Photo #40). A representative of Weishaupt America was on site to start up a burner plenum (see Photo #58), which facilitated start-up of a hot gas fan, a dryer exhaust fan, and an off-gas fan. Pipefitters for University Mechanical and electricians for Valley Electric assisted Haarslev during start-up (see Photos #24, #37, and #43). Start-up activities, testing, and operator training are expected to continue in March and may extend into April. Testing and operator training must be complete before this GMPA is deemed to be complete.

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

GMMA No. 7 – Deep Concrete Work at Area 30 and Miscellaneous Changes. **Work on this GMMA is complete.**

GMMA No. 8 – Area 20 and Remainder of Area 30 Concrete Work. **Work on this GMMA is complete.**

GMMA No. 9 – Mechanical, Electrical, and Process Systems. **Work on this GMMA is approximately 99% complete.** Valley Electric performed the following work in the biosolids building. Valley Electric terminated conductors associated with motor-operated gate valves and dryer feed pumps, terminated conductors at instruments associated with an off-gas fan (see Photo #43), terminated conductors at a burner plenum and instruments associated with the burner plenum, and terminated conductors at a dust collector. Valley Electric is expected to continue assisting Haarslev with start-up activities during the month of March. Valley Electric installed a larger enclosure in the chemical area of the secondary treatment building to house modified controls for chemical dosing pumps (see Photo #16). University Mechanical performed the following work at the biosolids building. University Mechanical repaired a copper potable water line that began leaking when temperatures in the biosolids building dropped below freezing (see Photo #11), helped Haarslev make modifications and adjustments to a chain conveyor (see Photo #24) and a dryer discharge screw (see Photo #37), and installed a guide rail system for a roll-off bin (see Photo #62). University Mechanical disassembled a natural gas pressure regulator at the north side of the biosolids building to facilitate start-up of a burner plenum (see Photo #58). University Mechanical repaired a leak in double contained CPVC chemical piping near a permeate pump in the gallery under the secondary treatment building. University Mechanical removed vent piping for an existing engine-generator at the People's Bank Building (see Photo #36). Delta Technology Corporation continued to install seismic straps, cables, and bracing on foul air and HVAC fans, ducts, and piping in the headworks and biosolids buildings (see Photo #23). D&G Mechanical installed insulation around chemical piping at the chemical facilities in the secondary treatment building (see photos #44 and #47) and installed insulation and aluminum jacketing around a burner plenum in the biosolids building (see Photos #3 and #34). A carpenter for Hoffman placed grout in annular spaces around conduit penetrations in CMU block walls in the electrical building (see Photo #10). The carpenter placed grout around conduit stub-ups and under equipment mounting stands and equipment base plates in the secondary treatment building and in the headworks building.



GMMA No. 10 – Concrete, Stone Columns, Compaction Grouting, and Shoring for Non-process Structures. **Work on this GMMA is complete.**



GMPA No. 11 – Superstructure Construction. Work on this GMPA is approximately 99% complete. Representatives from Honeywell and Proctors Sales were on site to further develop a control system for the HVAC equipment in the administration building (see Photo #17) and install a communications device in an air-to-water heat pump, respectively. Axiom installed sheet metal downspouts that discharge into steel splash boxes (see Photo #27).

GMPA No. 12 – Odor Control System. Work on this GMPA is approximately 99% complete. No work occurred on this GMPA this past month.

GMPA No. 13 – Civil Site Work. Work on this portion of GMPA No. 13 is approximately 68% complete. The following work was performed between the north side of the new clean water facility and Pioneer Way and around the perimeter of the clean water facility. Ascendent Demolition demolished the above-grade portion of the City's existing wastewater pump station (see Photos #5 and #9) and Interwest Construction demolished part of the below-grade portion of the pump station (see Photo #60). Interwest Construction was mostly not on site between February 4<sup>th</sup> and February 13<sup>th</sup> due to snow (see Photos #8, #13, #14, and #15). Interwest Construction installed a section of 8-inch PVC storm drain pipeline near the south side of the maintenance building. Interwest Construction graded on-site earthen material adjacent to the southeast corner of the biosolids building. Interwest Construction built formwork and placed reinforcing steel and concrete for a pedestrian walkway around bike racks near the north side of the aeration blower building (see Photo #30). Interwest Construction built formwork and placed reinforcing steel and concrete for a trench drain located south of the southeast corner of the maintenance building. Interwest Construction excavated and graded on-site earthen material for a storm water detention pond near the north side of the secondary treatment building. Interwest Construction built formwork and placed concrete for a footing for a weathering steel retaining wall located south of the maintenance building (see Photo #59). Interwest Construction installed sections of 12-inch PVC storm drain piping near the north side of the odor control facility (see Photo #46). Interwest Construction's subcontractor, Apply-A-Line, Inc., built an extruded concrete curb along the west side of the Wells Fargo Bank parking lot (see Photo #57). Valley Electric installed conduits, conductors, and light poles south of the administration and maintenance buildings. Valley Electric disconnected two existing engine-generators and arranged for a crane to lift them onto trucks for transport to their new owners (see Photos #35 and #36). Pacific Earth Works placed topsoil and trees along a section of pedestrian walkway that runs north-south between Pioneer Way and the administration building. Pacific Earth Works placed irrigation laterals, topsoil, and landscape logs adjacent to the north side of the aeration blower and secondary treatment buildings. Pacific Earth Works installed a concrete vault for a backflow prevention valve assembly near the northwest corner of the odor control facility.

GMPA No. 13 – Windjammer Park Improvements. Work on this portion of GMPA No. 13 is approximately 73% complete (see Photo #1). The following work occurred in Windjammer Park. Interwest Construction was mostly not on site between February 4<sup>th</sup> and February 13<sup>th</sup> due to snow (see Photos #8, #13, #14, and #15). Interwest Construction installed a section of 12-inch PVC sanitary sewer pipeline east of the splash park. Interwest Construction built formwork and placed reinforcing steel and concrete for seat walls and pedestrian walkways (see Photo #53) adjacent to the northwest side of the pavilion. Interwest Construction built formwork and placed reinforcing steel and concrete for a trench drain located near the southeast end of the splash park (see Photo #21). Interwest Construction installed a 1-inch PVC waterline near the east side of the splash park to serve a drinking fountain. Interwest Construction relocated a previously installed reduced pressure backflow assembly at the splash park. Interwest Construction installed a meter and a pressure-reducing valve as part of a 2-inch PVC water line at its point of connection to an 8-inch water line northeast of the pavilion. Interwest Construction placed and compacted imported crushed rock base material in a northwest to southeast direction south of the administration building (to facilitate construction of vehicular concrete paving).

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GMPA No. 13 – Windjammer Park Improvements (continued). Pacific Earth Works planted trees and plants and placed topsoil and mulch at the southwest end of the park (see Photos #48 and #55). Valley Electric continued to install conduits, conductors, fiberglass light poles, and precast concrete lamp bases at the southeast portion of the park (see Photo #42). Valley Electric placed concrete around the bases of fiberglass light poles so the light poles stay plumb after high winds. Valley Electric pulled and terminated conductors near the basketball courts. P&L General Contractors installed glued laminated (glulam) wood beams, tongue-and-groove decking, plywood sheathing, and vapor retarder at the west kitchen (see Photos #4, #12, #18, #19, #20, #25, #26, #32, and #45). P&L General Contractors installed pressure treated wood furring and plywood substrate at the west kitchen (see Photos #44 and #49). P&L General Contractors installed glulam beams and began installing tongue-and-groove decking at the east kitchen (see Photos #6, #22, #31, #56, and #67). P&L General Contractors installed anchor bolts and pressure treated wood top plates at the east kitchen (see Photo #39). P&L General Contractors installed tongue-and-groove decking and plywood sheathing atop glulam beams at the pavilion (see Photos #28 and #66). Black Rock Masonry installed aluminum lath, mortar, and basalt rock veneer onto the southwest wall of the pavilion (see Photos #28, #29, #33, and #61). Black Rock Masonry constructed CMU block walls around glulam beams at the east kitchen (see Photo #38). Beginning on February 25<sup>th</sup>, Axiom began installing insulation board, gypsum-fiber board, roof underlayment, flashing, and standing seam metal roof panels atop the west kitchen (see Photos #50, #51, #52, #63, and #65). Axiom also began installing flashing around openings in CMU walls at the west kitchen (see Photo #64). Beginning on February 26<sup>th</sup>, Blue Mountain Electric installed local power panels at the west kitchen (see Photo #54).



#### 4. QUALITY ASSURANCE

A resident engineer for KBA performed part-time inspection at the clean water facility and Windjammer Park (mostly at Windjammer Park). Special inspectors for KBA's subconsultant, GeoTest, performed part-time specialty inspection on an as-requested basis (mostly at Windjammer Park). Representatives from Hoffman performed part-time inspection on a daily basis. Hoffman conducted daily quality assurance (QA) coordination meetings with its subcontractors and with KBA. Archaeologists from ERCI were on-site during excavation work at Windjammer Park looking for cultural resources. Inspectors for the State Department of Labor & Industries inspected electrical work on an as-requested basis (both at the clean water facility and at Windjammer Park). Inspectors produced written daily reports that were filed on the City's server. Carollo Engineers representative Michael Borrero and MWA Architects representative Vale Larson-Brasted were on site on February 19<sup>th</sup> to inspect the on-going work in Windjammer Park (as seen in photo).



## 5. DOCUMENT TRACKING

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

Table 5.1 Document Tracking	February 2019		Project to Date	
	Number Received	Number of Reviews	Number Received	Number of Reviews
Submittals	6	4	1,444	1,437
Requests for Information	10	9	1,335	1,326

## 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
- Answering a project information and construction hot-line during working hours

## 7. SAFETY

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

- Manhours worked to date: 525,000
- Recordable injuries to date: 12
- Lost time injuries to date: 2
- Average number of craft workers on site: 50

## 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 <sup>(1)</sup>	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, included 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 January 2019, for \$1,952,111 (including sales tax). The progress payment application was reviewed and processed in February. See Attachment B, *Authorization for Payment*, for additional information. Total applications for payment to date for construction phase services through January are \$119,065,467 representing 93.0% 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 <sup>(1)</sup>	Current Guaranteed Maximum Price	Total Payments to Date	Remaining Balance
GMPA No. 1 Work:	2,448,520	(2,457)	2,446,063	2,330,714	115,349
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	1,597,327	281,879
GMPA No. 6 Work:	2,565,820	(331,379)	2,234,441	2,231,945	2,496
GMPA No. 7 Work:	6,239,185	14,245	6,253,430	6,148,007	105,423
GMPA No. 8 Work:	7,024,188	930,880	7,955,068	7,829,559	125,509
GMPA No. 9 Work:	30,148,712	2,315,790	32,464,502	32,106,644	357,858
GMPA No. 10 Work:	4,809,815	1,574,970	6,384,785	6,384,785	0
GMPA No. 11 Work:	17,934,490	994,698	18,929,188	18,680,481	248,707
GMPA No. 12 Work:	3,957,515	25,321	3,982,836	3,973,598	9,238
GMPA No. 13 Work (CWF):	4,580,898	(927,644)	3,611,911	2,297,997	1,313,914
GMPA No. 13 Work (WJP):	9,268,436	189,379	9,457,816	6,161,711	3,296,105
Negotiated Support Services	8,339,260	(180,000) <sup>(3)</sup>	8,159,260	6,982,795	1,176,465
Specified General Conditions	2,392,490	0	2,392,490	2,392,490	0
Subtotal	107,562,616	4,645,091	112,207,707	105,040,131	7,167,576
GC/CM's Risk Contingency	3,492,360	(3,069,167)	423,193		423,193 <sup>(2)</sup>
Owner's Risk Contingency	1,875,883	(1,575,924)	281,959		281,959 <sup>(2)</sup>
Subtotal	5,350,243	(4,645,091)	705,152		705,152
GC/CM fee (4.28%)	4,832,668	0	4,832,668	4,230,227	336,950
Subtotal	117,745,527	0	117,745,527	109,535,849	8,209,678
State Sales Tax (8.7%)	10,243,861	0	10,243,861	9,559,619	714,242
Total	127,989,388	0	127,989,388	119,065,467	8,923,920

- 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 all encumbrances that were approved by the City in February. See Table 9.3 for additional information.
  3. Cost Change Memorandum 619 transferred \$180,000 from negotiated support services to GC/CM risk contingency.

## 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 February are indicated below in Tables 9.1 and 9.2.

Table 9.1 GC/CM Risk Contingency	GC/CM's Original Risk Contingency <sup>(3)</sup>	Previous Adjustments	Adjustments this Past Month	GC/CM's Current Risk Contingency <sup>(1)(2)</sup>
GC/CM Risk Contingency	3,492,360	(3,069,167)	(64,066)	359,127

Table 9.2 Owner Design Contingency	Owner's Original Design Contingency <sup>(4)</sup>	Previous Adjustments <sup>(5)</sup>	Adjustments this Past Month	Owner's Current Design Contingency <sup>(1)(2)</sup>
Owner Design Contingency	1,857,883	(1,575,924)	(60,037)	221,922

Notes:

1. Excluding profit and tax.
2. Balance does not include all encumbrances that were approved by the City in January. 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.
5. Cost change memorandum (CCM) 619 transferred \$180,000 from unspent funds from negotiated support services (NSS) to the 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 466 CCMs through February 2018. See Tables 9.1 and 9.2 on the previous page for additional information. The following CCMs were reviewed and tentatively approved by the City in February.

Table 9.3 – Cost Change Memorandums

<u>CCM</u>	<u>Description</u>	<u>Transfer</u>	<u>Amount</u> <sup>(1)</sup>
391.1	Fire Suppression System Mods	From owner contingency to GMPA #11	\$ 5,368
458	Clean Water Testing Support	From GC/CM risk contingency to GMPA #9	\$ 53,813
590.1	Hardware for MBR Cassettes	From GMPA #1 to GMPA #9	\$ 670
599	Expand Design-build Irrigation	From owner contingency to GMPA #13	\$ 61,622
601	Air Compressors Electrical	From GC/CM risk contingency to GMPA #9	\$ 3,514
621	Modifications to Dampers	From GMPA #9 to owner contingency	\$ 8,410
623	Carbon Scrubber Shipping Damage	From GMPA #12 to GMPA #9	\$ 5,790
624	Compressed Air System Work	From GMPA #9 to GMPA #1	\$ 3,500
625	Roll-off Bin Covers	From GC/CM risk contingency to GMPA #9	\$ 873
629	Power to Hot Box at Odor Control	From owner contingency to GMAP #12	\$ 1,457
635	UV Reactor Drain Lines	From GMPA #1 to GMPA #9	\$ 1,543
638	Odor Control Scope Changes	From GC/CM risk contingency to GMPA #12	\$ 5,741
639	Beachview Property Siding Repairs	Draw from GMPA #13 allowance	\$ 24,188
645	Payment Bond Costs	From GC/CM risk contingency to GMPA #11	\$ 125

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 <sup>(1)</sup>
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 – CWF <sup>(2)</sup>	5,837,305	0	0	5,837,305
GMPA No. 13 – WJP <sup>(2)</sup>	10,226,233	0	0	10,226,233
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.
2. GMPA No. 13 is shown subdivided to show the approximate cost to finish the Clean Water Facility relative to the approximate cost of Windjammer Park Improvements.

# 11. SCHEDULE

The overall project schedule and construction schedule shown below are based on the latest project construction schedule developed by Hoffman and the current status of construction and start-up activities.

Table 10.1 – Overall Project Schedule

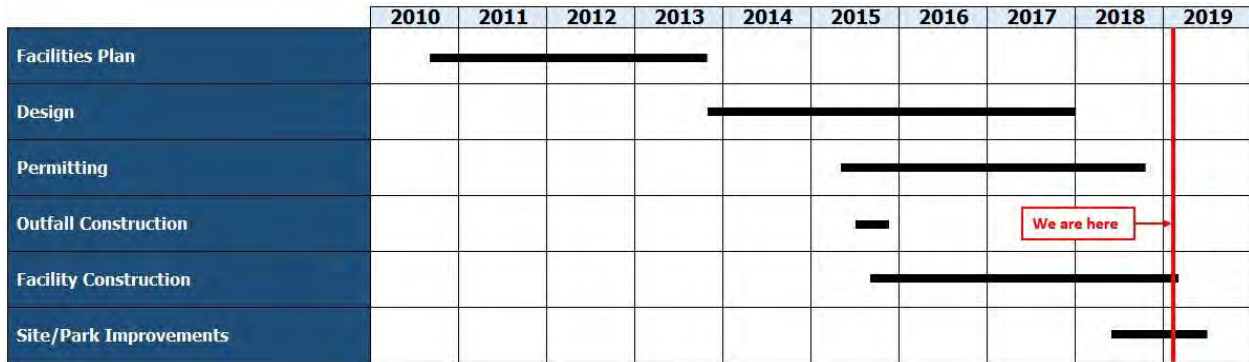
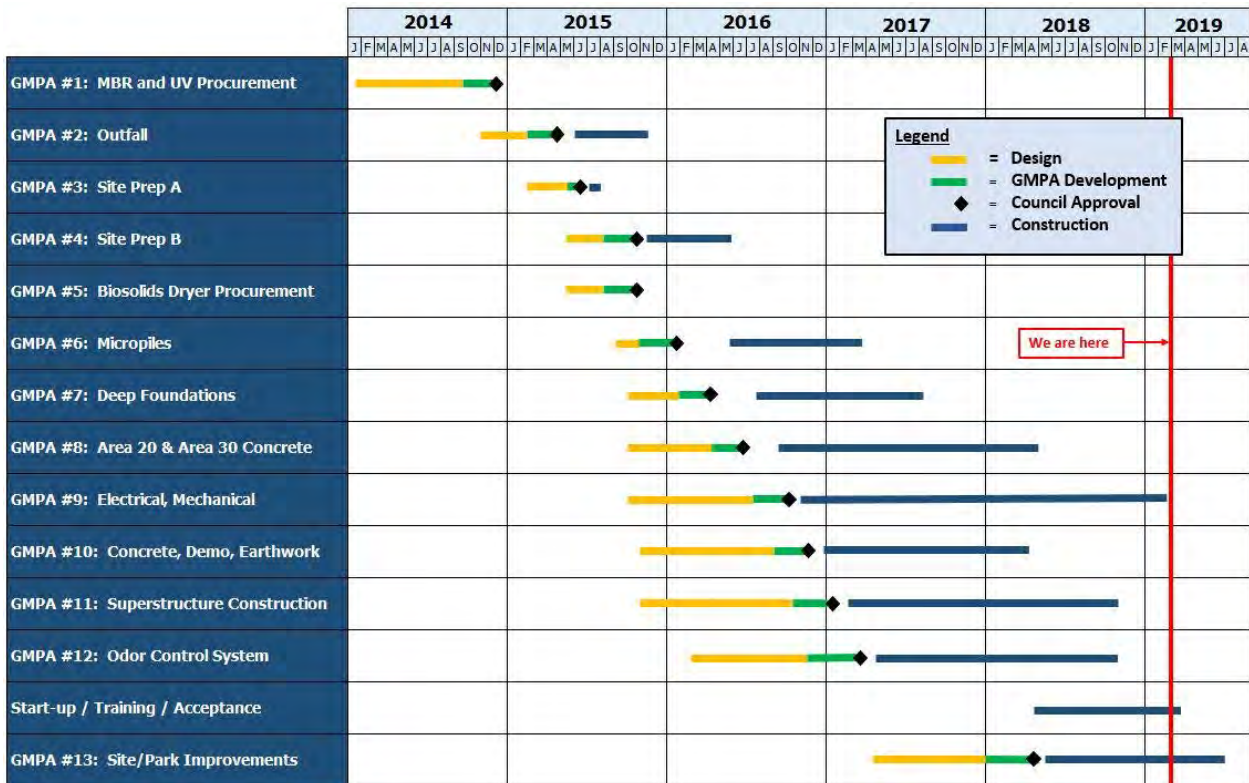


Table 10.2 – Construction Schedule





12. PHOTOGRAPHS

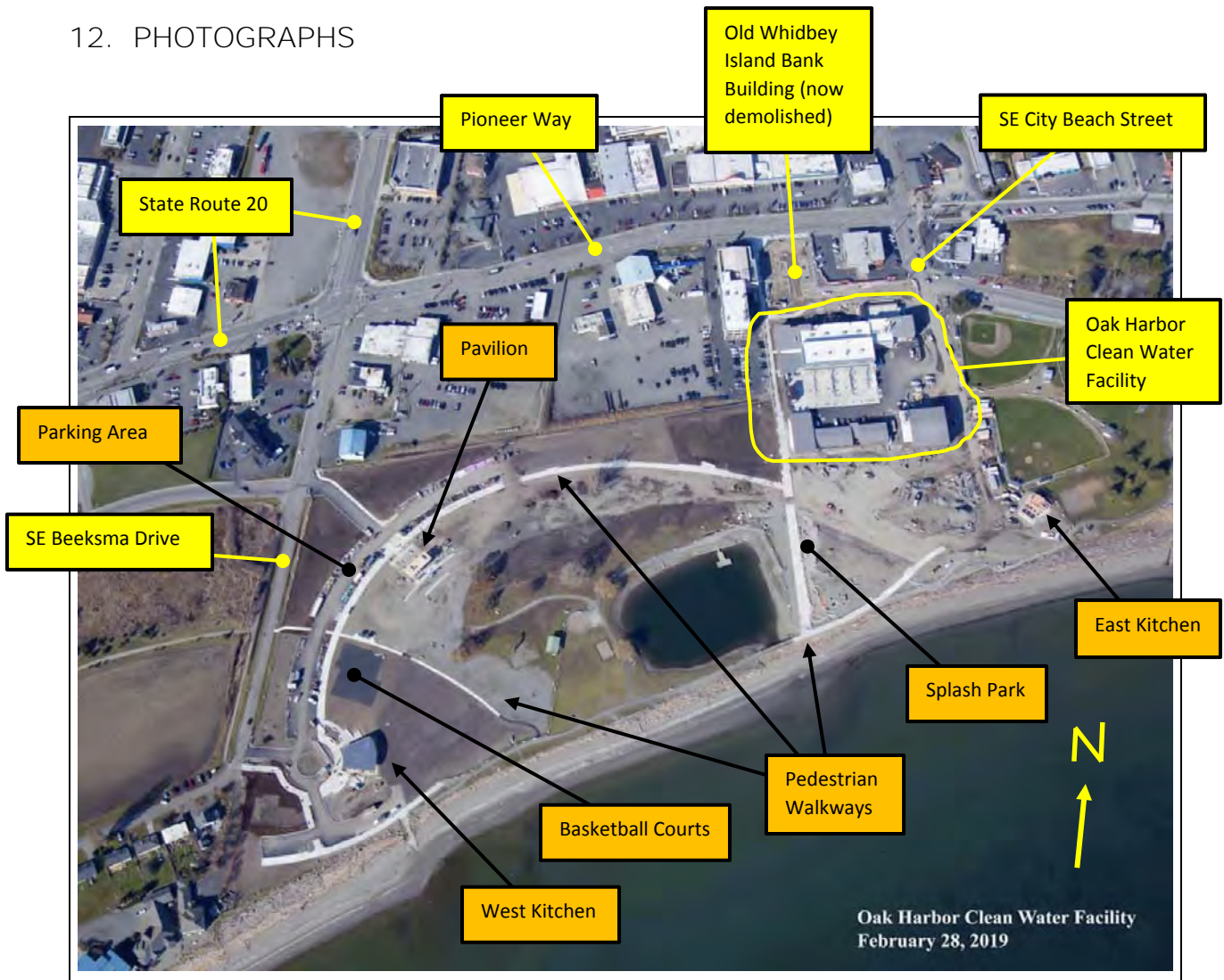


Photo #1

Aerial photo of Windjammer Park and the clean water facility job site (looking north) on February 28<sup>th</sup>, 2019, about ten months after demolition work at Windjammer Park began.

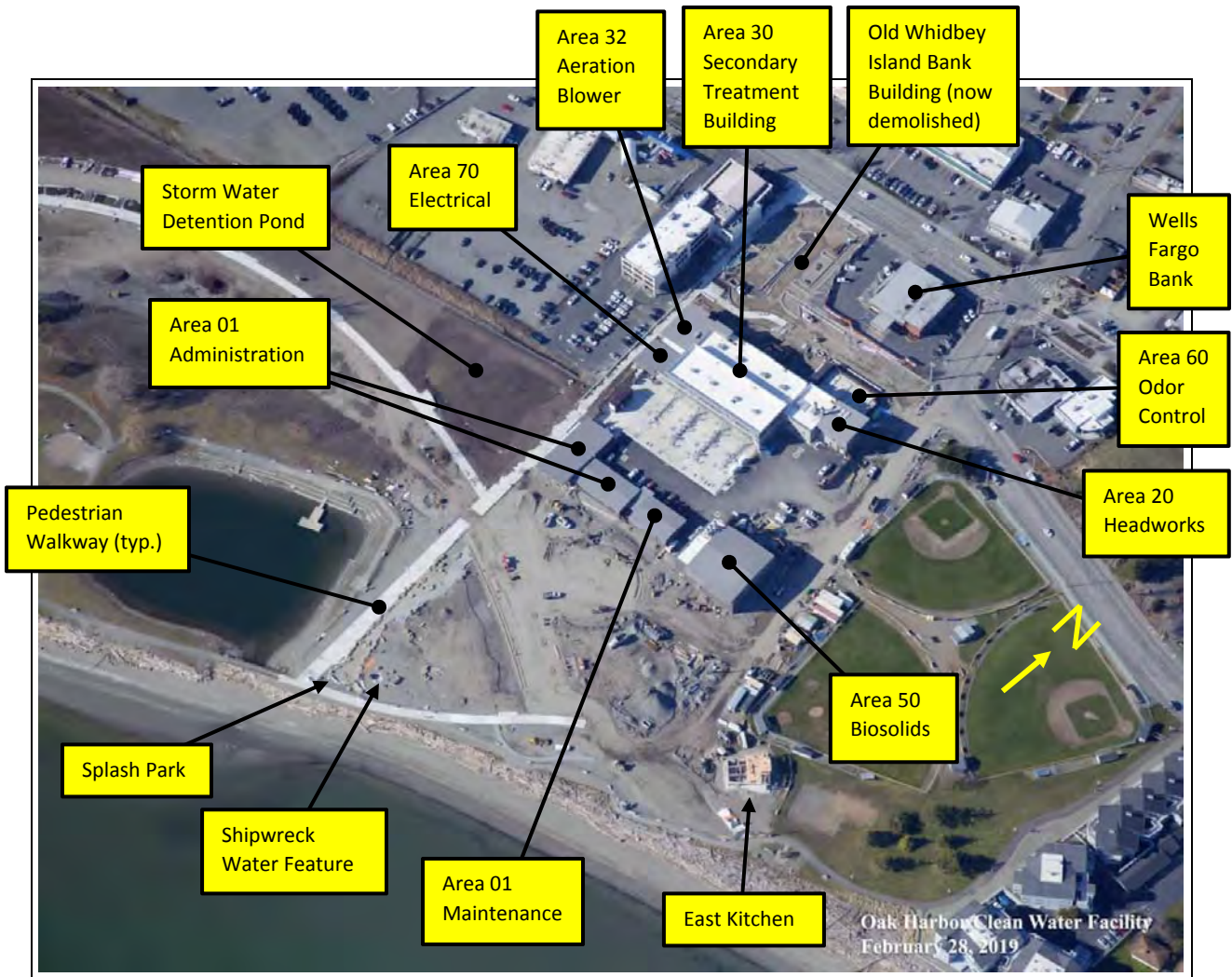


Photo #2

Aerial photo of the clean water facility job site and the southeast portion of Windjammer Park (looking northwest) on February 28<sup>th</sup>, 2019.



Photo #3

Area 50 Biosolids Building  
(looking northeast) on  
Tuesday, February 5<sup>th</sup>.

An insulator for D&G  
Mechanical Insulation is  
preparing to finish  
installation of aluminum  
jacketing around insulation  
at a burner plenum.



Photo #4

Southwest end of  
Windjammer Park (looking  
east at the west kitchen)  
on Wednesday, February  
6<sup>th</sup>.

Carpenters for P&L  
General Contractors are  
installing glued laminated  
(glulam) beams and  
tongue-and-groove  
decking.



Photo #5

Area adjacent to the north side of Area 50 Biosolids Building (looking southwest, west, and northwest) on Wednesday, February 6<sup>th</sup>.

An operator and laborer for Ascendant Demolition utilized an excavator to demolish the City's existing wastewater pump station.



Photo #6

Southeast end of Windjammer Park (looking northwest at the east kitchen) on Wednesday, February 6<sup>th</sup>.

Carpenters for P&L General Contractors utilized a truck-mounted hydraulic boom lift to set glulam beams.



Photo #7

Southeast end of Windjammer Park (looking northwest) on Wednesday, February 6<sup>th</sup>.

Carpenters for Interwest Construction are installing a cedar beam for a bench.



Photo #8

West end of Windjammer Park (looking southwest) on Wednesday, February 6<sup>th</sup>.

This photo depicts snow in the park.



Photo #9

Area adjacent to north side of Area 50 Biosolids Building (looking west) on Thursday, February 7<sup>th</sup>.

Ascendent Demolition continues to demolish the City's existing wastewater pump station.



Photo #10

Area 70 Electrical Building  
(looking southwest) on  
Thursday, February 7<sup>th</sup>.

A carpenter for Hoffman is  
placing grout in pipe and  
conduit penetrations  
through CMU block walls.

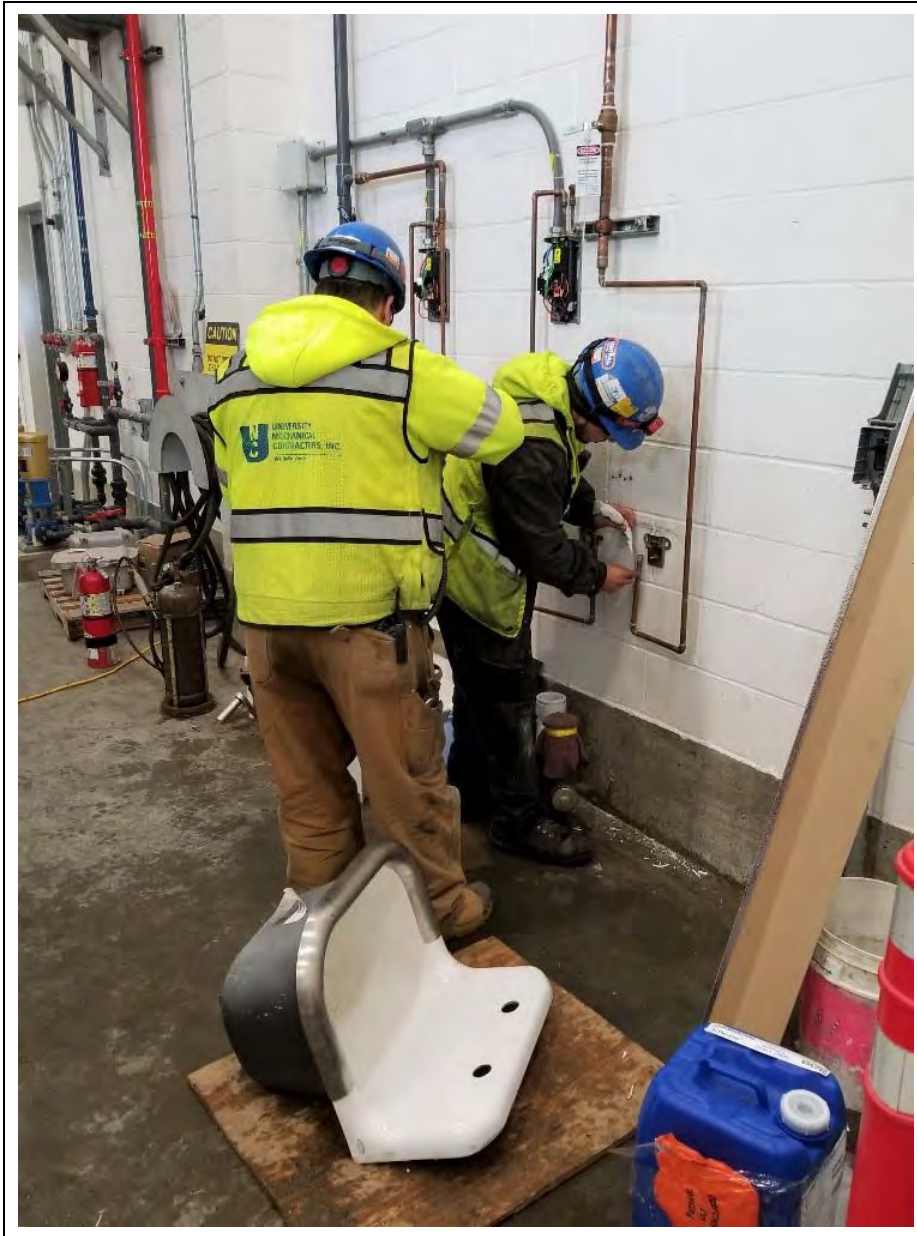


Photo #11

Area 50 Biosolids Building  
(looking northwest) on  
Thursday, February 7<sup>th</sup>.

Two pipefitters for  
University Mechanical are  
repairing potable water  
piping that began leaking  
when temperatures in the  
building dropped below  
freezing.





Photo #12

Southwest end of Windjammer Park (looking west) on Thursday, February 7<sup>th</sup>.

Carpenters for P&L General Contractors continued to install tongue-and-groove decking atop glulam beams.



Photo #13

North end of Windjammer Park (looking west from the Administration Building) on Friday, February 8<sup>th</sup>.

Snow fell throughout the day in Oak Harbor.



Photo #14

Area south of Area 01 Administration Building (looking southeast) on Monday, February 11<sup>th</sup>.

Several inches of snow on the ground affected almost all of the work on the project.



Photo #15

Area north of Area 30 Secondary Treatment Building (looking north) on Tuesday, February 12<sup>th</sup>.

Melting snow continued to affect almost all of the work on the project.

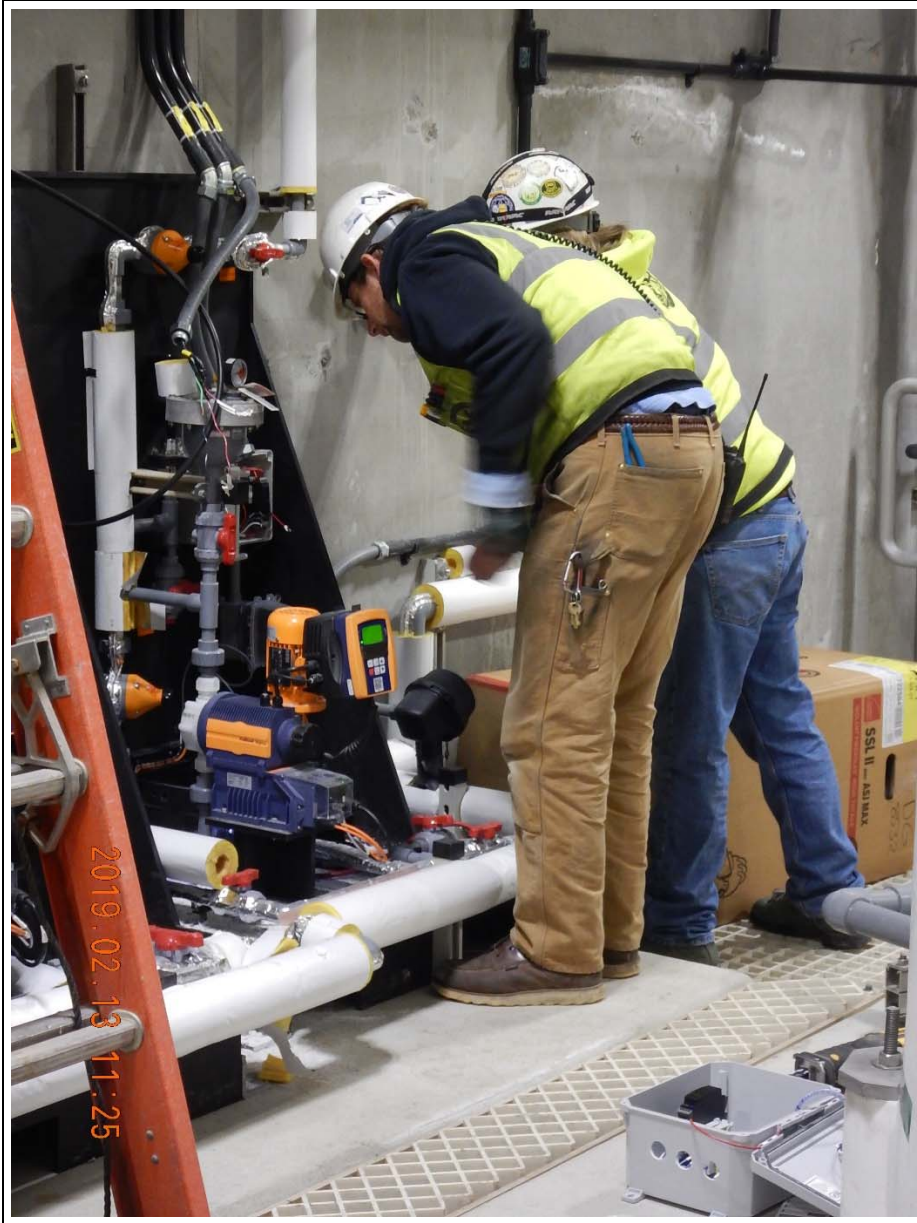


Photo #16

Area 37 Chemical Facilities (looking northeast) on Wednesday, February 13<sup>th</sup>.

Two electricians for Valley Electric are preparing to install a larger enclosure associated with a vendor control panel for a caustic soda dosing pump.



Photo #17

Area 01 Administration Building (looking southwest in the Mechanical room) on Wednesday, February 13<sup>th</sup>.

A representative of Honeywell, Greg Bell, was on site to further develop a control system for the HVAC system.

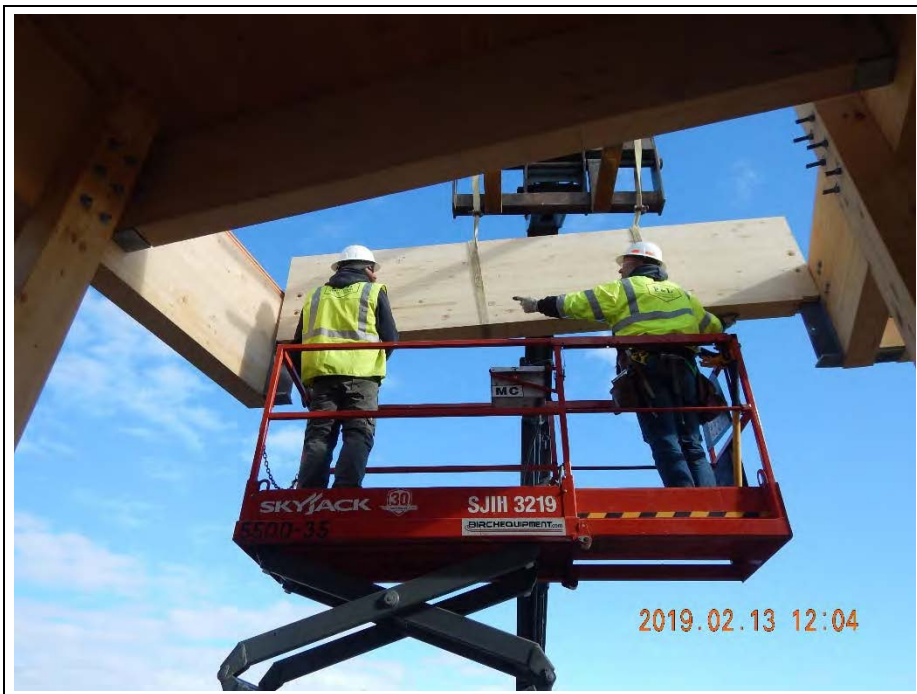


Photo #18

Southwest corner of Windjammer Park (looking east from under the roof of the west kitchen) on Wednesday, February 13<sup>th</sup>.

Two carpenters for P&L General Contractors are installing a glulam beam.



Photo #19

Southwest corner of Windjammer Park (looking southwest at the west kitchen) on Thursday, February 14<sup>th</sup>.

This photo depicts the status of glulam beam and tongue-and-groove decking installation at the west kitchen.



Photo #20

Southwest corner of Windjammer Park (looking north at the west kitchen) on Thursday, February 14<sup>th</sup>.

This photo depicts the status of glulam beam and tongue-and-groove decking installation at the west kitchen.



Photo #21

South end of Windjammer Park (looking southeast) on Thursday, February 14<sup>th</sup>.

Laborers for Interwest Construction are placing concrete for a footing for a trench drain. A faux shipwreck is seen at left.



Photo #22

Southeast corner of Windjammer Park (looking southwest at the east kitchen) on Thursday, February 14<sup>th</sup>.

Carpenters for P&L General Contractors are preparing a glulam beam before installation.



Photo #23

Area 50 Biosolids Building  
(looking east) on  
Thursday, February 14<sup>th</sup>.

A sheet metal worker for  
Delta Technology  
Corporation is installing  
seismic cables and  
supports for a supply fan  
(seen at upper left).



Photo #24

Area 50 Biosolids Building (looking west atop the south end of the biosolids dryer) on Thursday, February 14<sup>th</sup>.

An engineer for Haarslev, Katie Healy (left), is watching two pipefitters for University Mechanical as they modify a chain conveyor. The chain conveyor moves dewatered sludge from two centrifuges and a dryer feed hopper to the biosolids dryer.





Photo #25

Southwest end of Windjammer Park (looking northwest at the west kitchen) on Friday, February 15<sup>th</sup>.

A carpenter for P&L General Contractors is placing 1-1/8-inch thick plywood sheathing atop tongue-and-groove decking.



Photo #26

Southwest end of Windjammer Park (looking northeast at the west kitchen) on Friday, February 15<sup>th</sup>.

Carpenters for P&L General Contractors are placing 1-1/8-inch thick plywood sheathing atop tongue-and-groove decking.



Photo #27

Area 01 Maintenance Building (looking west along the south side of the maintenance building) on Friday, February 15<sup>th</sup>.

A sheet metal worker for Axiom is installing a downspout that discharges into a steel splash box.



Photo #28

West end of Windjammer Park (looking north towards the pavilion) on Friday, February 15<sup>th</sup>.

This photo depicts the current status of the pavilion. Masons for Black Rock Masonry are installing basalt stone veneer.



Photo #29

West end of Windjammer Park (looking west towards the north end of the pavilion) on Friday, February 15<sup>th</sup>.

Masons for Black Rock Masonry are installing basalt stone veneer.



Photo #30

Area north of Area 32  
Aeration Blower Building  
(looking north towards  
Pioneer Way) on Monday,  
February 18<sup>th</sup>.

Laborers and finishers for  
Interwest Construction  
placed concrete for a  
pedestrian walkway that  
includes bike racks (seen  
wrapped in white plastic).



Photo #31

Southeast corner of Windjammer Park (looking south towards the east kitchen) on Monday, February 18<sup>th</sup>.

This photo depicts the status of glulam beam installation at the east kitchen.



Photo #32

Southwest end of Windjammer Park (looking east onto the west kitchen) on Monday, February 18<sup>th</sup>.

This photo depicts the 1-1/8-inch thick, plywood sheathing that P&L General Contractors has installed atop tongue-and-groove decking.

Plywood Sheathing

Tongue-and-groove Decking



Photo #33

West end of Windjammer Park (looking south at the pavilion) on Tuesday, February 19<sup>th</sup>.

This photo depicts the status of installation of basalt stone veneer by Black Rock Masonry.



Photo #34

Area 50 Biosolids Building (looking south) on Tuesday, February 19<sup>th</sup>.

An insulator for D&G Mechanical Insulation is applying sealant between sheets of aluminum jacketing on a hot gas intake duct.



Photo #35

Area north of Area 50 Biosolids Building (looking east) on Tuesday, February 19<sup>th</sup>.

The City's existing engine-generator (that served the City's recently demolished wastewater pump station) was sold and is now being transported to its new owner.



Photo #36

Area north of Area 32 Aeration Blower Building (looking northwest) on Tuesday, February 19<sup>th</sup>.

An existing engine-generator that was owned by the Beachview Property was sold and is now being transported to its new owner.

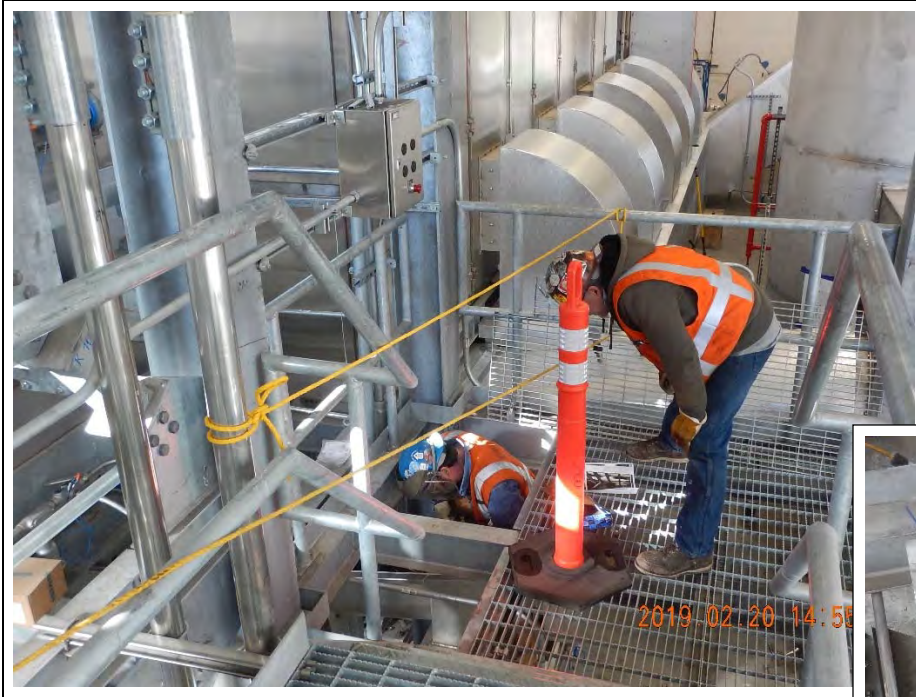


Photo #37

Area 50 Biosolids (looking north towards the east side of the dryer) on Wednesday, February 20<sup>th</sup>.

A millwright for University Mechanical (left) is modifying a dryer discharge screw.



Photo #38

Southeast end of Windjammer Park (looking southwest from inside the east kitchen) on Wednesday, February 20<sup>th</sup>.

A mason for Black Rock Masonry is installing CMU blocks around glulam beams.





Photo #39

Southeast corner of Windjammer Park (looking south at the south end of the east kitchen) on Wednesday, February 20<sup>th</sup>

A carpenter for P&L General Contractors is "wet setting" anchor bolts in grout that Black Rock Masonry just placed in CMU blocks.

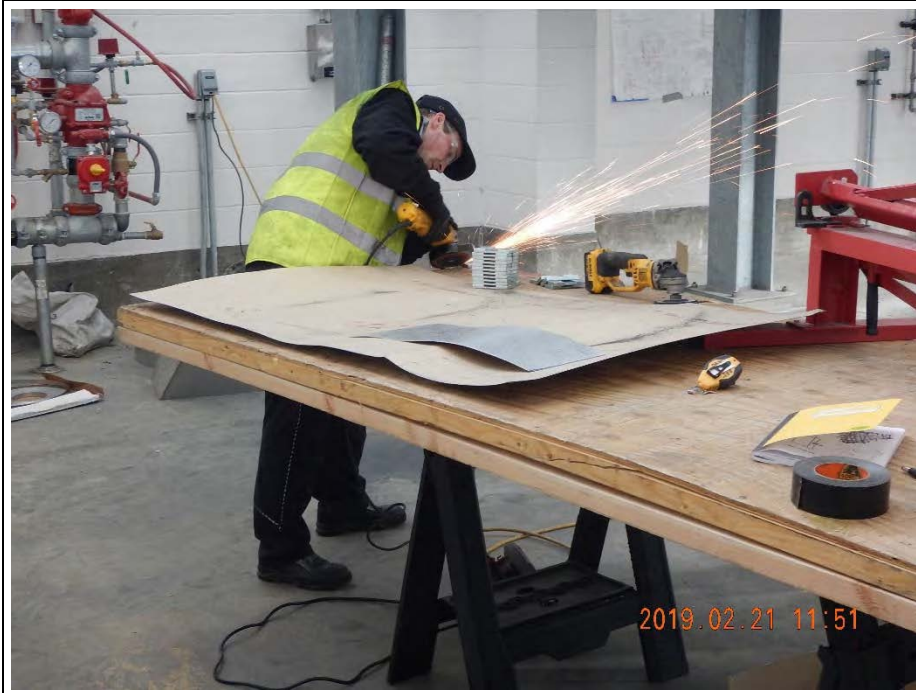


Photo #40

Area 50 Biosolids (looking southwest) on Thursday, February 21<sup>st</sup>.

A technician for Haarslev is modifying a guide for a conveyor. The technician is from Germany and was on site for two days to facilitate start-up of the biosolids dryer.

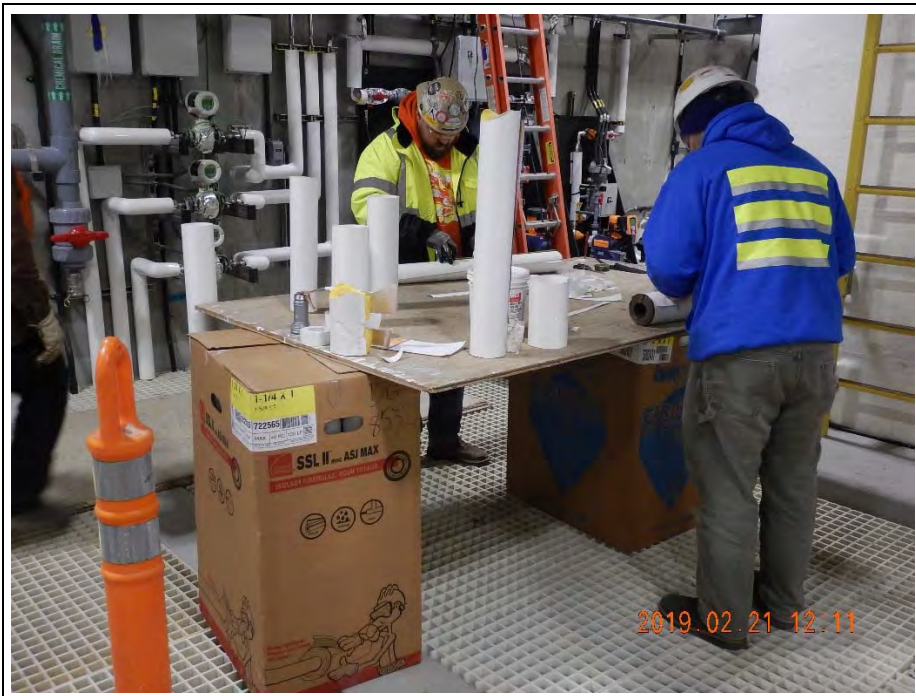


Photo #41

Area 37 Chemical Facilities (looking northeast) on Thursday, February 21<sup>st</sup>.

Two insulators for D&G Mechanical Insulation are preparing to insulate chemical piping in the gallery area under the secondary treatment building.



Photo #42

South end of Windjammer Park (looking west towards the north end of the splash park) on Thursday, February 21<sup>st</sup>.

Two electricians for Valley Electric are installing a fiberglass light pole.



Photo #43

Area 50 Biosolids Building (looking south and north at a duct associated with an off-gas fan) on Friday, February 22<sup>nd</sup>.

An electrician is terminating conductors at instruments associated with an off-gas fan.



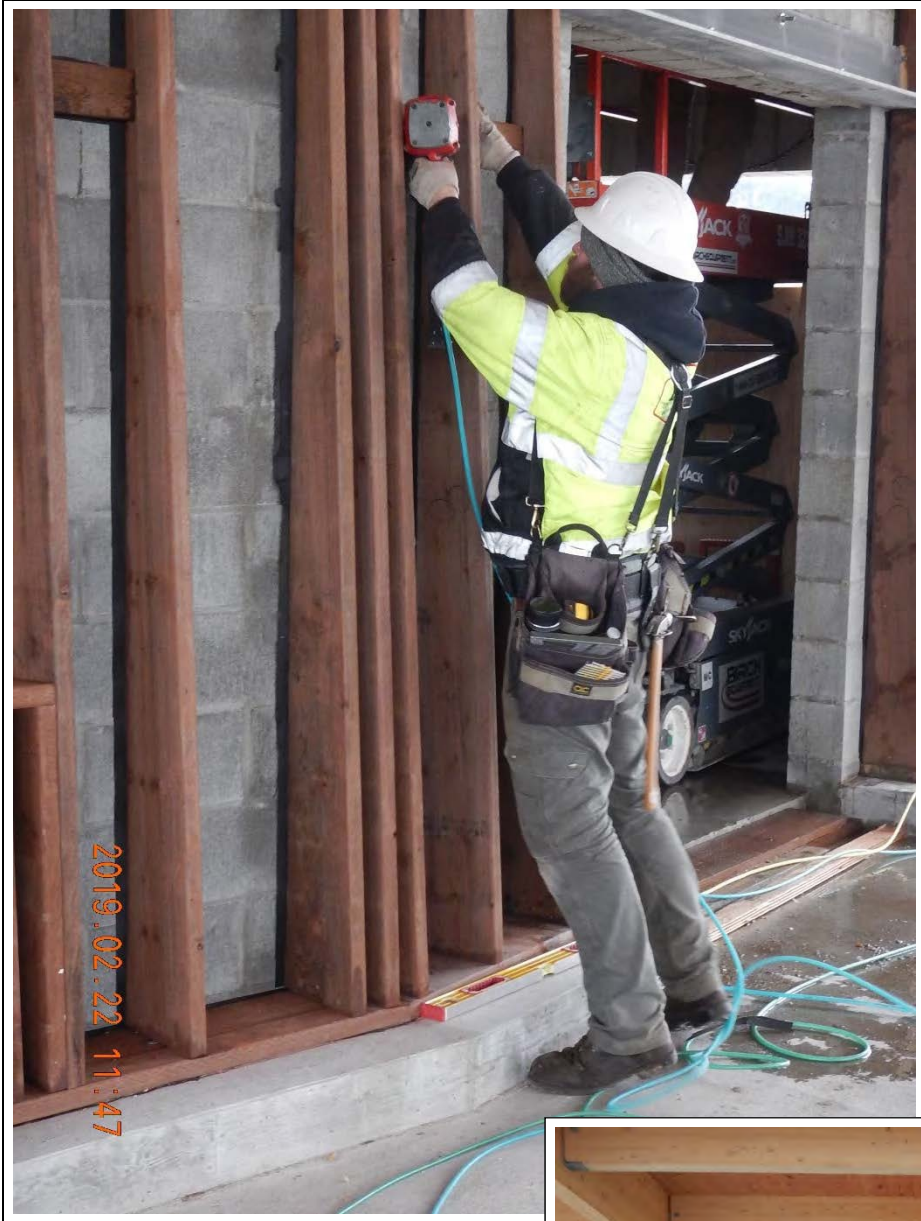


Photo #44

Southwest end of Windjammer Park (looking northwest under the seating area at the west kitchen) on Friday, February 22<sup>nd</sup>.

A carpenter for P&L General Contractors is utilizing a pneumatic nail gun to install pressure treated wood furring.





Photo #45

Southwest end of Windjammer Park (looking northwest) on Wednesday, February 20<sup>th</sup>, through Friday, February 22<sup>nd</sup>.

Carpenters for P&L General Contractors finished placing and trimming tongue-and-groove decking and plywood sheathing atop the west kitchen.





Photo #46

Area north of Area 60 Odor Control (looking northeast) on Tuesday, February 26<sup>th</sup>.

Pipe layers and an operator for Interwest Construction are installing a section of 12-inch PVC storm drain piping.



Photo #47

Area 37 Chemical Facilities (looking northeast) on Tuesday, February 26<sup>th</sup>.

An insulator for D&G Mechanical Insulation is installing insulation around chemical piping in the gallery area under the secondary treatment building.



Photo #48

West end of Windjammer Park (looking north) on Tuesday, February 26<sup>th</sup>.

A laborer for Pacific Earth Works is planting a tree.



Photo #49

Southwest end of Windjammer Park (looking southwest from the covered seating area of the west kitchen) on Tuesday, February 26<sup>th</sup>.

A carpenter for P&L General Contractors is utilizing a pneumatic nail gun to attach plywood substrate to pressure treated wood furring.





Photo #50

Southwest end of Windjammer Park (looking southeast at the west kitchen) on Tuesday, February 26<sup>th</sup>.

A sheet metal worker for Axiom is trimming recently installed Grace self-adhered roofing underlayment.



Photo #51

Southwest end of Windjammer Park (looking southeast at the west kitchen) on Wednesday, February 27<sup>th</sup>.

Two sheet metal workers for Axiom are installing flashing.



Photo #52

West end of Windjammer Park (looking north at the west kitchen) on Wednesday, February 27<sup>th</sup>.

This photo depicts the installation of the Grace self-adhered roofing underlayment, which is part of a standing seam metal roofing system.



Photo #53

West end of Windjammer Park (looking northwest along the northwest side of the pavilion) on Wednesday, February 27<sup>th</sup>.

Laborers and finishers for Interwest Construction and a driver for Miles Sand and Gravel are placing concrete for a pedestrian walkway.



Photo #54

Southwest section of Windjammer Park (looking east from inside the west kitchen) on Wednesday, February 27<sup>th</sup>.

An electrician for Blue Mountain Electric is installing a power panel.



Photo #55

Southwest end of Windjammer Park (looking west) on Wednesday, February 27<sup>th</sup>.

Laborers for Pacific Earth Works are placing mulch in planted areas along a parking area.



Photo #56

Southeast end of Windjammer Park (looking southeast) on Wednesday, February 27<sup>th</sup>.

A carpenter for P&L General Contractors is pre-drilling holes in tongue-and-groove decking.



Photo #57

Area north of Area 30 Secondary Treatment Building (looking north along the west side of the Wells Fargo Bank parking lot) on Wednesday, February 27<sup>th</sup>.

Laborers for Apply-A-Line, Inc., are placing concrete for an extruded curb along the west side of the Wells Fargo Bank parking lot.

2019.02.27 13:27

Extruded Curb



2019.02.27 13:30



Photo #58

Area 50 Biosolids Building (looking west) on Wednesday, February 27<sup>th</sup>.

Haarslev electrical engineer Jose Alberto Ruiz (left in yellow vest) and Weishaupt America's factory service technician Chris Neufeldt are operating a burner. During operation, hot air exiting the burner plenum reached temperatures over 500 deg-F (see photo below) and temperatures in the biosolids dryer exceeded 300 deg-F.





Photo #59

Area south of Area 01 Maintenance Building (looking west) on Thursday, February 28<sup>th</sup>.

A carpenter, laborer, and finisher for Interwest Construction and a driver for Miles Sand and Gravel are placing concrete for a footing for a weathering steel retaining wall.



Photo #60

Area adjacent to the north side of Area 50 Biosolids Building (looking east) on Thursday, February 28<sup>th</sup>.

An operator for Interwest Construction is utilizing an excavator with a breaker attachment to further demolish the City's existing wastewater pump station before filling underground rooms with controlled density fill (CDF).



Photo #61

West end of Windjammer Park (looking southwest under the pavilion roof) on Thursday, February 28<sup>th</sup>.

Two masons for Black Rock Masonry continue to install basalt rock veneer.



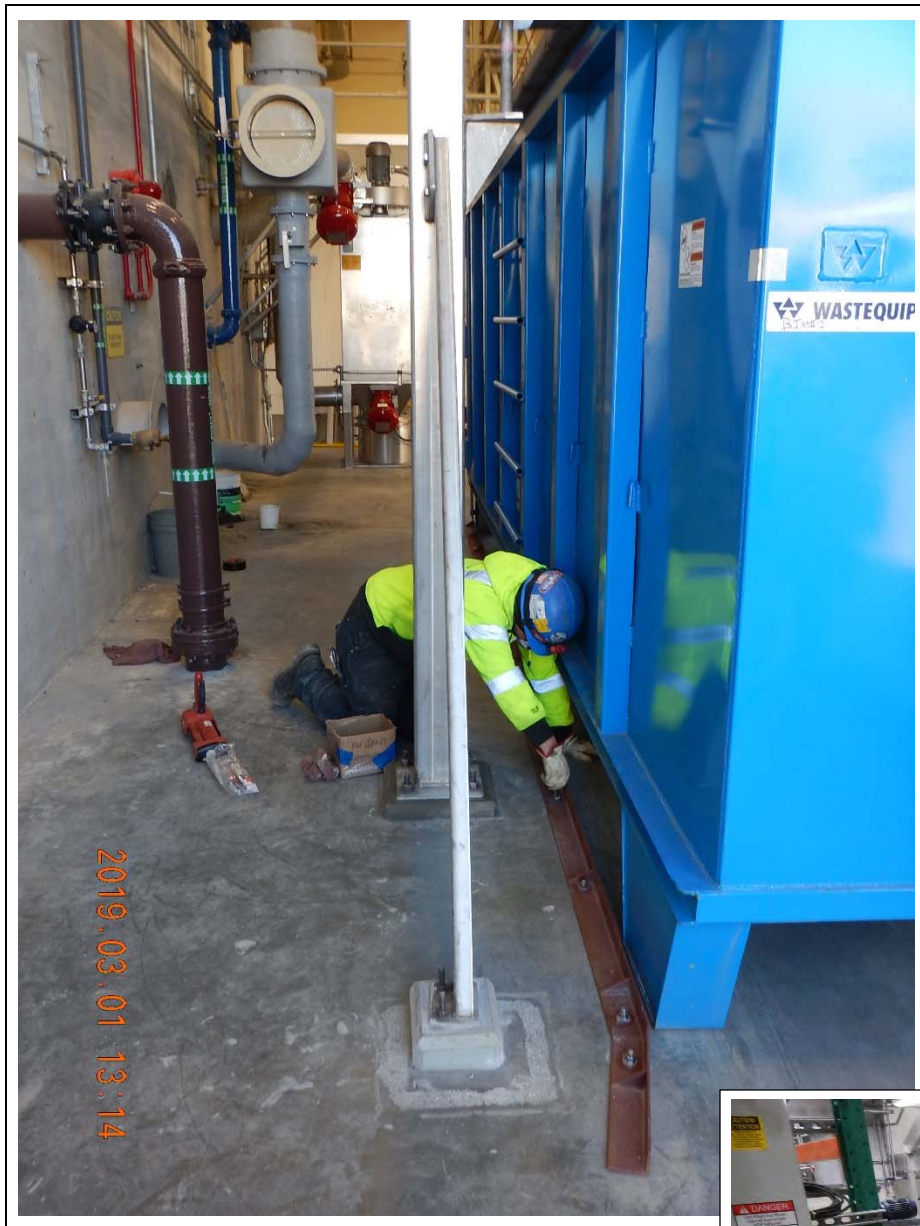


Photo #62

Area 50 Biosolids Building (looking south in the load out room) on Friday, March 1<sup>st</sup>.

A pipefitter for University Mechanical is installing a guide rail system that helps center a roll-off bin under its cover.

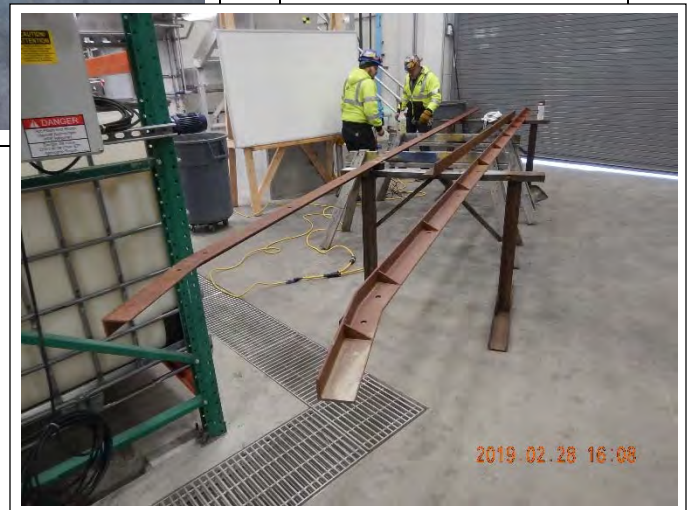




Photo #63

Southwest end of Windjammer Park (looking west at the west kitchen) on Friday, March 1<sup>st</sup>.

Roofers for Axiom continue to install flashing around the perimeter of the roof.



Photo #64

Southwest end of Windjammer Park (looking west from the seating area at the west kitchen) on Friday, March 1<sup>st</sup>.

A sheet metal worker for Axiom is installing flashing round an opening for a service counter.



Photo #65

Southwest end of Windjammer Park (looking east at the west kitchen) on Friday, March 1<sup>st</sup>, and on Monday, March 4<sup>th</sup>.

Sheet metal workers for Axiom begin to install sections of standing seam metal roofing (left).





Photo #66

West end of Windjammer Park (looking west at the pavilion) on Friday, March 1<sup>st</sup>.

This photo depicts the status of the pavilion on the first day of March.



Photo #67

Southeast end of Windjammer Park (looking northwest at the east kitchen) on Friday, March 1<sup>st</sup>.

This photo depicts the status of the east kitchen on the first day of March.

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# ATTACHMENT A

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**CLEAN WATER FACILITY PROJECT FINANCIAL REPORT**

**Summary Through 2/28/2019 (before year end accruals)**

<b>REVENUE</b>	<b>FUNDING OBTAINED</b>	<b>FUNDING USED</b>	<b>BALANCE</b>
SRF LOANS	97,983,466.00	97,983,466.00	-
BONDS	25,777,229.30	25,777,229.30	-
GRANTS	8,500,000.00	8,255,000.00	245,000.00
PROGRAM INCOME	15,679,740.55	9,550,693.83	6,129,046.72
CUMMULATIVE RESERVE	5,000,000.00	5,000,000.00	-
<b>TOTAL REVENUE</b>	<b>152,940,435.85</b>	<b>146,566,389.13</b>	<b>6,374,046.72</b>
<b>EXPENDITURES</b>	<b>CONTRACTED/ESTIMATED BUDGET</b>	<b>PROJECT TO DATE ACTUAL</b>	<b>BALANCE</b>
ACQUISITIONS	3,396,325.69	3,389,314.04	7,011.65
ADMINISTRATION	692,852.01	695,607.13	(2,755.12)
CONSTRUCTION	124,222,645.68	119,020,951.69	5,201,693.99
FINANCE	258,638.16	291,733.92	(33,095.76)
PROFESSIONAL SERVICES - DESIGN	9,447,726.92	9,251,614.22	196,112.70
PROFESSIONAL SERVICES - CONSTRUCTION	11,074,906.70	10,104,690.44	970,216.26
<b>TOTAL PROJECT EXPENDITURES</b>	<b>149,093,095.16</b>	<b>142,753,911.44</b>	<b>6,339,183.72</b>
<b>CASH SURPLUS (DEFICIT)</b>	<b>3,847,340.69</b>	<b>3,812,477.69</b>	<b>34,863.00</b>
<b>FINANCING/TRANSFERS</b>			
BONDS	2,776,377.50	2,776,377.50	-
LOANS	586,100.19	586,100.19	-
TRANSFERS- WINDJAMMER PARK - DESIGN	484,863.00	450,000.00	34,863.00
<b>TOTAL FINANCING/TSFR</b>	<b>3,847,340.69</b>	<b>3,812,477.69</b>	<b>34,863.00</b>
<b>ESTIMATED CASH REMAINING</b>	<b>0.00</b>	<b>0.00</b>	<b>(0.00)</b>

Prepared by Patricia Soule, Finance Director



**CLEAN WATER FACILITY PROJECT FINANCIAL REPORT**

**Expanded Detail**

*(ALL COSTS - EXCEPT OUTFALL AND FACILITY PLAN)*

<b>REVENUE</b>	<b>Estimated Budget</b>	<b>Actual through 02/28/19</b>	<b>Balance</b>
<b>Loans</b>	<b>97,983,466.00</b>	<b>97,983,466.00</b>	<b>-</b>
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	29,124,301.00	-
<b>Bonds</b>	<b>25,777,229.30</b>	<b>25,777,229.30</b>	<b>-</b>
2016 Revenue Bonds	25,777,229.30	25,777,229.30	-
<b>Grants</b>	<b>8,500,000.00</b>	<b>8,255,000.00</b>	<b>245,000.00</b>
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	-
<b>City Cash</b>	<b>20,679,740.55</b>	<b>14,550,693.83</b>	<b>6,129,046.72</b>
System Development Fees	5,000,000.00	5,000,000.00	-
Sale of Scrap	10,582.50	10,582.50	-
Other Fund Transfer In	220,689.26	220,689.26	-
City Reserves	15,448,468.79	9,319,422.07	6,129,046.72
<b>Total Revenue</b>	<b>152,940,435.85</b>	<b>146,566,389.13</b>	<b>6,374,046.72</b>
<b>EXPENDITURES</b>	<b>Estimated Budget</b>	<b>Actual through 02/28/19</b>	<b>Balance</b>
<b>Acquisitions</b>	<b>3,396,325.69</b>	<b>3,389,314.04</b>	<b>7,011.65</b>
Contract			
Fullerton	12,990.00	12,990.00	-
Legal	38,774.97	27,962.97	10,812.00
Misc	15,523.45	15,523.45	-
Property	2,923,824.83	2,923,824.83	-
Rent	402,086.96	405,887.31	(3,800.35)
Supplies	125.48	125.48	-
Utilities	3,000.00	3,000.00	-
<b>Administration</b>	<b>692,852.01</b>	<b>695,607.13</b>	<b>(2,755.12)</b>
IDCA	680,790.04	683,545.16	(2,755.12)
Travel	12,061.97	12,061.97	-
<b>Construction</b>	<b>124,222,645.68</b>	<b>119,020,951.69</b>	<b>5,201,693.99</b>
Contract			
Carollo	1,828,155.00	1,865,111.88	(36,956.88)
Hoffman <sup>(1)</sup>	114,934,957.09	110,142,505.97	4,792,451.12
Hoffman <sup>(2)</sup>	6,485,578.30	6,485,578.30	-
PSE	568,742.77	99,626.22	469,116.55
Equipment	80,828.85	14,338.63	66,490.22
Materials	14,972.32	14,972.32	-
Misc	6,537.35	30,030.47	(23,493.12)
Supplies	3,586.45	1,799.52	1,786.93
Travel	18.00	18.00	-
Utilities	299,269.55	366,970.38	(67,700.83)
<b>Finance</b>	<b>258,638.16</b>	<b>291,733.92</b>	<b>(33,095.76)</b>
Audit	16,823.70	50,570.46	(33,746.76)
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	104,361.24	(5,564.26)
Misc	77.48	36,204.48	(36,127.00)
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)*

<b>EXPENDITURES</b> - continued	<b>Estimated Budget</b>	<b>Actual through 02/28/19</b>	<b>Balance</b>
<b>Professional Services - Design</b>	<b>9,447,726.92</b>	<b>9,251,614.22</b>	<b>196,112.70</b>
Advertising	15,984.39	15,984.39	-
Contract			-
Carollo	7,672,145.46	7,497,276.32	174,869.14
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	422,065.47	13,807.00
Supplies	361.60	361.60	-
Utilities	241.87	241.87	-
<b>Professional Services - Construction</b>	<b>11,074,906.70</b>	<b>10,104,690.44</b>	<b>970,216.26</b>
Advertising	13,688.53	14,547.59	(859.06)
Contract			-
Carollo	5,505,213.25	5,023,449.16	481,764.09
Carollo -Tsfr for WJP	-	34,863.00	(34,863.00)
C2G	15,000.00	6,176.70	8,823.30
Enviroissues	40,400.00	15,750.75	24,649.25
Enviroissues-trsnf for wjp	33,000.00	-	33,000.00
ERCI	1,112,002.15	1,112,002.15	-
ERCI-Tsfr for WJP	128,400.80	87,330.70	41,070.10
Gary Goltz	70,500.30	39,724.22	30,776.08
KBA	4,024,813.28	3,732,371.83	292,441.45
OAC	7,855.45	7,855.45	-
Perkins Coie	43,208.16	5,911.31	37,296.85
PSE-transfer to wjp	52,823.72	-	52,823.72
Food	321.65	131.72	189.93
Misc	4,079.41	7,671.93	(3,592.52)
Monitoring	23,600.00	16,903.93	6,696.07
<b>Total Expenditures - Project #ENG 1609</b>	<b>149,093,095.16</b>	<b>142,753,911.44</b>	<b>6,339,183.72</b>
<b>Estimated Cash Remaining</b>	<b>3,847,340.69</b>	<b>3,812,477.69</b>	<b>34,863.00</b>
<b>FINANCING/TRANSFERS</b>			
<b>Bonds</b>	<b>2,776,377.50</b>	<b>2,776,377.50</b>	<b>-</b>
Interest	2,204,493.03	2,204,493.03	-
Miscellaneous	571,884.47	571,884.47	-
<b>Loans</b>	<b>586,100.19</b>	<b>586,100.19</b>	<b>-</b>
Principal	217,403.38	217,403.38	-
Interest	368,696.81	368,696.81	-
<b>Transfers</b>	<b>484,863.00</b>	<b>450,000.00</b>	<b>34,863.00</b>
Windjammer Park - for 1/2 Design Costs	484,863.00	450,000.00	34,863.00
<b>Project #FIN1601</b>	<b>3,847,340.69</b>	<b>3,812,477.69</b>	<b>34,863.00</b>
<b>Surplus (Deficit)</b>	<b>-</b>	<b>-</b>	<b>-</b>

<b>WINDJAMMER PARK IMPROVEMENTS PROJECT</b>			
<b>Summary Through 2/28/2019 (before year end accruals)</b>			
Revenue	Project Budget	Spent to Date thru 02/28/19	Balance
<b>Cash</b>	<b>389,810.27</b>	<b>388,562.80</b>	<b>1,247.47</b>
Beginning Fund Balance	380,735.19	380,735.19	-
Donations	1,113.24	1,365.77	(252.53)
Interest Allocaiton	7,961.84	6,461.84	1,500.00
<b>Transfers</b>	<b>11,628,833.47</b>	<b>11,190,036.82</b>	<b>438,796.65</b>
001 - General Fund	1,828,768.64	1,854,283.00	(25,514.36)
126 - Comm Park Impact Fees	264,739.85	264,739.85	-
127 - Park Impact Fees	300,660.00	103,243.00	197,417.00
311 - REET 1	1,526,929.00	1,526,929.00	-
312 - REET 2	523,070.16	383,069.97	140,000.19
422 - Clean Water Facility	7,184,665.82	7,057,772.00	126,893.82
<b>Grants</b>	<b>1,426,320.00</b>	<b>965,082.59</b>	<b>461,237.41</b>
WA State Legislative Grant	727,500.00	727,500.00	-
Isand County RCED Grant-Pavillion	698,820.00	237,582.59	461,237.41
<b>Total Revenue</b>	<b>13,444,963.74</b>	<b>12,543,682.21</b>	<b>901,281.53</b>
<b>EXPENDITURES</b>			
	<b>Project Budget</b>	<b>Spent to Date</b>	<b>Balance</b>
<b>Administration</b>	<b>391,234.94</b>	<b>482,891.94</b>	<b>(91,657.00)</b>
IDCA	391,234.94	482,891.94	(91,657.00)
<b>Construction</b>	<b>11,328,253.26</b>	<b>7,037,828.95</b>	<b>4,290,424.31</b>
Demolition	9,999.98	8,872.63	1,127.35
Utilities	10,000.00	-	10,000.00
Miscellaneous	139,514.26	3,600.00	135,914.26
GMP13			
Hoffman	11,115,915.30	6,984,444.81	4,131,470.49
Const & Imp			
PSE-Schedule 52 & PO's	52,823.72	25,514.36	27,309.36
Other	-	15,397.15	(15,397.15)
<b>Preliminary Engineering/Planning</b>	<b>50,000.00</b>	<b>-</b>	<b>50,000.00</b>
Scoping	50,000.00	-	50,000.00
	-	-	-
<b>Prof. Serv. Con.</b>	<b>243,219.30</b>	<b>162,428.96</b>	<b>80,790.34</b>
Archaeology			
ERCI	128,400.80	102,760.77	25,640.03
Public Outreach			
Carollo	-	8278.28	(8,278.28)
Chamber of Commerce Phase 1	7,699.00	2,100.00	5,599.00
Chamber of Commerce Phase 2 2019	18,764.50	-	18,764.50
Chamber of Commerce Phase 3 2019	13,855.00	-	13,855.00
Enviroissues	33,000.00	-	33,000.00
Other	1,500.00	3,900.52	(2,400.52)
Construction Engineering			
Carollo	40,000.00	45,389.39	(5,389.39)
Construction Management			
Open	-	-	-
<b>Prof. Serv. Design</b>	<b>1,431,143.00</b>	<b>1,028,068.24</b>	<b>403,074.76</b>
Design	-	-	-
Carollo	855,560.73	783,956.41	71,604.32
Other	337,417.00	-	337,417.00
Permits	156,000.00	162,340.01	(6,340.01)
Public Outreach			
Carollo	74,165.27	74,165.27	-
Other	8,000.00	7,606.55	393.45
<b>Total Expenditures</b>	<b>13,443,850.50</b>	<b>8,711,218.09</b>	<b>4,732,632.41</b>
<b>Surplus (Deficit)</b>	<b>1,113.24</b>	<b>3,832,464.12</b>	<b>(3,831,350.88)</b>

Prepared by Patricia Soule, Finance Director

# ATTACHMENT **B**

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# AUTHORIZATION FOR PAYMENT OAK HARBOR CLEAN WATER FACILITY

**Date:** February 1, 2019  
**Owner:** City of Oak Harbor  
 865 SE Barrington Drive  
 Oak Harbor, WA 98277

**Progress Payment No.:** Application No. CWFC45  
**Contractor:** Hoffman Construction Company of Washington  
 600 Stewart Street, Suite 1000  
 Seattle, WA 98101  
**Contact:** Trevor Thies, Project Manager  
**Telephone:** (206) 268-6697

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

	Project Number	BARS Number	Original GMPA Amount	Adjustments <sup>(1)</sup>	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	(2,457.00)	2,446,063.00	2,330,714.00		2,330,714.00	115,349.00	95.3%
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	1,597,326.50		1,597,326.50	281,878.50	85.0%
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	14,245.17	6,253,430.17	6,148,007.01		6,148,007.01	105,423.16	98.3%
GMPA No. 8 CWF Work:	eng1609.con.007	422.30.594.35.6200	7,024,188.00	930,880.10	7,955,068.10	7,829,558.97		7,829,558.97	125,509.13	98.4%
GMPA No. 9 CWF Work:	eng1609.con.008	422.30.594.35.6200	30,148,712.00	2,315,790.48	32,464,502.48	31,635,339.11	471,305.37	32,106,644.48	357,858.00	98.9%
GMPA No. 10 CWF Work:	eng1609.con.009	422.30.594.35.6200	4,809,815.00	1,574,970.11	6,384,785.11	6,384,785.11		6,384,785.11	0.00	100.0%
GMPA No. 11 CWF Work:	eng1609.con.042	422.30.594.35.6200	17,934,490.00	994,698.36	18,929,188.36	18,616,344.37	64,136.76	18,680,481.13	248,707.23	98.7%
GMPA No. 12 CWF Work:	eng1609.con.045	422.30.594.35.6200	3,957,515.00	25,321.46	3,982,836.46	3,944,439.27	29,159.00	3,973,598.27	9,238.19	99.8%
GMPA No. 13 CWF Work:	eng1609.con.047	422.30.594.35.6200	4,580,897.70	(927,643.50)	3,611,911.20	2,186,778.63	111,218.35	2,297,996.98	1,313,914.22	63.6%
GMPA No. 13 Water Dept Work Waterline from Beekma to Esplanade:	NA	401.00.594.34.6300	-	-	41,343.00	41,343.00	-	41,343.00	-	100.0%
<b>Subtotal CWF &amp; Water Dept Work:</b>			87,562,429.70	4,635,711.34	92,198,141.04	88,827,315.41	<b>675,819.48</b>	89,503,134.89	2,695,006.15	97.1%
GMPA No. 13 WJP Work (Sewer):	eng1701.con.170.111	325.10.594.79.6300	5,449,153.30	(4,529.86)	5,444,623.44	3,053,024.91	342,950.75	3,395,975.66	2,048,647.78	62.4%
GMPA No. 13 WJP Work (General):	eng1701.con.170.112	325.10.594.79.6300	3,819,283.00	193,909.20	4,013,192.20	2,139,207.90	626,527.42	2,765,735.32	1,247,456.88	68.9%
<b>Subtotal WJP Work:</b>			9,268,436.30	189,379.34	9,457,815.64	5,192,232.81	<b>969,478.17</b>	6,161,710.98	3,296,104.66	65.1%
Negotiated Support Services CWF:	eng1609.con.032	422.30.594.35.6200	8,339,260.00	(180,000.00)	8,159,260.00	6,912,957.97	69,837.13	6,982,795.10	1,176,464.90	85.6%
Specified General Conditions:	eng1609.con.033	422.30.594.35.6200	2,392,490.00	-	2,392,490.00	2,385,463.00	7,027.00	2,392,490.00	-	100.0%
<b>Subtotal Work, NSS, and SGC:</b>			<b>107,562,616.00</b>	<b>4,645,090.68</b>	<b>112,207,706.68</b>	<b>103,317,969.19</b>	<b>1,722,161.78</b>	<b>105,040,130.97</b>	<b>7,167,575.71</b>	<b>93.6%</b>

Project Number	BARS Number	Original GMPA Amount	Adjustments <sup>(1)</sup>	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	(3,069,167.02)	423,192.98				423,192.98	
Owner Risk Contingency:		1,857,883.00	(1,575,923.66)	281,959.34				281,959.34	
<b>Subtotal Contingencies:</b>		<b>5,350,243.00</b>	<b>(4,645,090.68)</b>	<b>705,152.32</b>				<b>705,152.32</b>	
<b>Hoffman Subtotal:</b>		<b>112,912,859.00</b>		<b>112,912,859.00</b>	<b>103,317,969.19</b>	<b>1,722,161.78</b>	<b>105,040,130.97</b>	<b>7,872,728.03</b>	
GC/CM Fee (4.28%) CWF:	eng1609.con.036	4,832,668.00		4,832,668.00	4,198,012.02	32,214.86	4,230,226.88	336,950.41	
GC/CM Fee (4.28%) Water Dept:	NA				1,769.48	-	1,769.48		
GC/CM Fee (4.28%) WJP-S	eng1701.con.036.111				130,669.47	14,678.29	145,347.76		
GC/CM Fee (4.28%) WJP-G:	eng1701.con.036.112				91,558.10	26,815.37	118,373.47		
<b>Contract SUBTOTAL:</b>		<b>117,745,527.00</b>		<b>117,745,527.00</b>	<b>107,739,378.26</b>	<b>1,795,870.30</b>	<b>109,535,848.56</b>	<b>8,209,678.44</b>	<b>93.0%</b>
WA State Sales Tax (8.7%) CWF:	eng1609.con.037	10,243,860.85		10,243,860.85	8,898,569.27	68,286.17	8,966,855.44	714,242.02	
WA State Sales Tax (8.7%) Water Dept:	NA				3,750.79	-	3,750.79		
WA State Sales Tax (8.7%) WJP-S:	eng1701.con.037.111				276,981.40	31,113.73	308,095.13		
WA State Sales Tax (8.7%) WJP-G:	eng1701.con.037.112				194,076.65	56,840.82	250,917.47		
<b>TOTAL:</b>		<b>127,989,387.85</b>		<b>127,989,387.85</b>	<b>117,113,356.37</b>	<b>1,952,111.02</b>	<b>119,065,467.39</b>	<b>8,923,920.46</b>	<b>93.0%</b>

PAID TO DATE

CONTRACT AMOUNT

Retainage Adjustment CWF (422):	3,901,307.97	29,257.58	3,930,605.55
Retainage Adjustment WJP (325):	253,749.46	47,091.86	300,841.32
Retainage Adjustment Water Dept (401):	2,155.62	-	2,155.62
<b>Net Payment(s):</b>	<b>112,956,143.32</b>	<b>1,875,721.58</b>	<b>114,831,864.90</b>

PAY THIS AMOUNT

Notes:

- Adjustments between work and contingencies are documented by means of cost change memorandums, which are reviewed and approved by the City.
- Percentage allocations reflected between projects ENG1609 (CWF) and ENG1701 (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.
- CWF = Clean Water Facility WJP = Windjammer Park (Sewer & General) GMPA = Guaranteed Maximum Price Amendment

signature  
*Daniel Williams*  
 Daniel Williams, Resident Engineer, KBA

2/8/19 date  
 2/11/19 date

signature  
*Brett Arvidson*  
 Brett Arvidson, Project Engineer

signature  
*Cathy Rosen*  
 Cathy Rosen, Director of Public Works

**CWF RETAINAGE BREAKDOWN:**

Total of Hoffman Contract Subtotal from above:	107,739,978.26	1,795,870.30	109,535,848.56
Less Valley Electric covered by Retainage Bond 422:	(12,582,000.82)	(198,947.00)	(12,780,947.82)
Less Valley Electric covered by Retainage Bond 325:	(339,471.00)	(69,134.50)	(408,605.50)
Less ST Fabrication covered by Retainage Bond:	(3,740,936.74)		(3,740,936.74)
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 Pellico Completed Sub-Contract:	(1,434,376.78)		(1,434,376.78)
Contract Amount for 5% Retainage Calculation:	83,144,260.33	1,527,788.80	84,672,049.13
Retainage (5%) on Total Earned to date:	5,386,998.95	89,793.52	5,476,792.47
Less Valley Electric covered by Retainage Bond 422:	(629,100.04)	(9,947.35)	(639,047.39)
Less Valley Electric covered by Retainage Bond 325:	(16,973.55)	(3,456.73)	(20,430.28)
Less ST Fabrication covered by Retainage Bond 422:	(187,046.84)	-	(187,046.84)
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 Pellico Retainage Released 05/15/18:	(71,718.84)	-	(71,718.84)
Retainage Adjustment:	4,157,213.05	76,389.44	4,233,602.49

Retainage for project ENG1701 is calculated on the sum of W/P 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 Almberg, Councilmember  
Tara Hizon, Councilmember

Bill Larsen, Councilmember  
Joel Servatius, Councilmember

Erica Wasinger, Councilmember  
James Woessner, Councilmember

Blaine Oborn, City Administrator  
Patricia Soule, Finance Director  
Cathy Rosen, Director of Public Works  
Jim Bridges, 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  
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  
KPF Consulting Engineers  
Leewens Corporation (crack injection)

Laboratory Design & Construction  
-- Scientific Lab Technology  
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  
-- Axiom Construction  
-- Black Rock Masonry  
-- Blue Mountain Electric  
-- Eastwood Plumbing  
-- LangCo NW  
-- Valdez Construction  
Pacific Earthworks, Inc.  
Pacific Glass and Door  
Pellico 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  
-- Steelkorr, LLC  
Turner Construction  
University Mechanical Corporation  
-- Air Test Company, Inc.  
-- Cascade Sawing and Drilling  
-- D&G Mechanical Insulation  
-- Delta Technology Corporation  
-- Honeywell International  
-- EC Company (a.k.a. EC Electric)  
-- Interwest Construction  
-- Norton Corrosion  
-- Penhall Company  
-- Seattle Concrete Core Drilling  
United Site Services  
Valdez Construction  
-- Alliance Partition Systems  
-- Axiom Construction (GFRC Cladding)  
-- Forest Sound Products  
-- Gale Contractor Services  
-- LangCo NW  
-- Flooring Solutions  
-- Sabelhaus West  
-- Sterling Contractors  
Valley Electric  
-- Concrete Nor'West (Miles Sand & Gr)  
-- EZ Interface  
-- Integrity Networks  
-- Interwest Construction  
-- Johnson Controls  
-- Ness Cranes  
-- QualITEQ  
-- Redhawk Fire & Security  
-- 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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