

City of Oak Harbor
City Council Agenda Bill

Bill No. 5. c. i.
Date: February 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 February 19, 2019 Regular Meeting.

BACKGROUND / SUMMARY INFORMATION

LEGAL AUTHORITY

City Council

FISCAL IMPACT

PREVIOUS COUNCIL / BOARD / CITIZEN INPUT

ATTACHMENTS

1. [January 2019 Monthly Update](#)

Clean Water Facility Project

Monthly Report

January 2019



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



MONTHLY PROGRESS REPORT

January 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 January. 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 a 24-inch outfall pipeline to Oak Harbor Bay.
- University Mechanical and Valley Electric continued to assemble and energize dryer system equipment in the biosolids building, respectively (see Photos #3, #5, #13, #14, #22, #32, #34, and #43). They are substantially complete.
- Haarslev (i.e., the biosolids dryer manufacturer) began start-up activities associated with the dryer system (see Photos #31 and #62).
- Interwest Construction continued to place concrete for pedestrian walkways in Windjammer Park (see Photos #26, #29, #30, #33, #47, #48, #52, #57, #67, #68, #70, #82, and #83).
- P&L General Contractors installed glulam beams at the west kitchen and pavilion (see Photos #24, #25, #37, #38, #39, #53, #63, #65, #76, #77).
- Black Rock Masonry began building a basalt rock façade at the pavilion (see Photos #69 and #84).

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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 January, the total paid to date will be \$119,853,372 (including tax and preconstruction phase services), which makes up 93.1% 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 "punchlist" work and start-up activities associated with the biosolids dryer will occur in February and may extend into March. 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 ⁽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	\$790,050
		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 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 January, 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 several times in January 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 continued to operate the plant and discharge effluent into a 24-inch outfall pipeline and into Oak Harbor Bay. During the 2nd week of January, two representatives of Haarslev were on site and began start-up activities associated with the biosolids dryer system (see Photos #31 and #62). The start-up activities included downloading software into a programmable logic controller and verifying that system components communicate properly and are ready to operate. See work activities for GMPA No. 5 for additional information. On January 24th, Hoffman conducted a start-up meeting pertaining to the biosolids dryer system. Haarslev is expected to operate the dryer under normal operating temperatures (i.e., up to 350-deg F) in February; however, start-up activities associated with the dryer may extend into March. On January 9th, a technician for Cascade Machinery and Electric was on site to start-up two air compressors that serve the clean water facility's high pressure air system (see Photo #21). For three days during the 2nd week of January, GEA representative Tom Potter was on site and utilized waste activated sludge (WAS) from the clean water facility to operate centrifuges, centrifuge cake pumps, and associated polymer dosing units (see Photo #15). Mr. Potter conducted an operator training class pertaining to the centrifuges on January 10th (see Photo #28).

GMPA No. 1 – MBR System and UV Disinfection Equipment (Procurement) and Engineering Support. Work on this GMPA is approximately 99% complete. Engineering support consisting of phone conversations and e-mail correspondence with the City's operations staff continued in January. Start-up testing is complete, but a final "punch list" walkthrough will occur in February.

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.

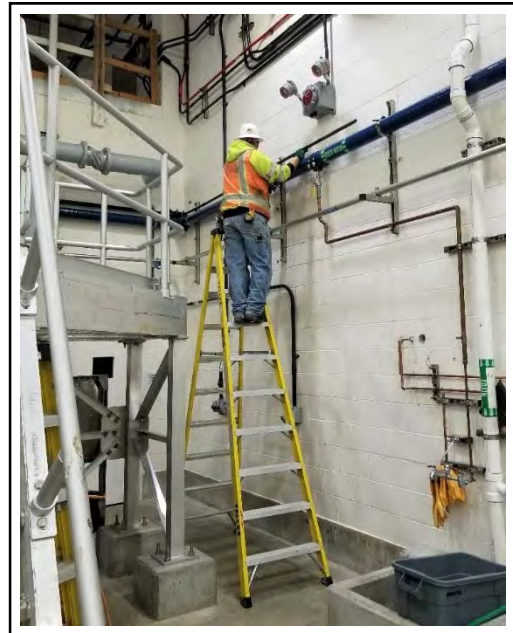
GMPA No. 5 – Biosolids Dryer (Procurement). This GMPA is approximately 85% complete. All major components of the biosolids belt dryer system are now installed. Start-up activities began in earnest in January. Engineers for Haarslev checked vendor control panels for short circuits, installed software in a programmable logic controller (PLC), and checked analog inputs from instruments to verify that the instruments measure correctly and communicate with the system's software (see Photos #31 and #62). The engineers verified that digital switches work properly. Further start-up activities, testing, and operator training is expected to occur in February and may extend into March. Testing and operator training must be complete before this GMPA is deemed complete.

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 complete.

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

GMPA No. 9 – Mechanical, Electrical, and Process Systems. Work on this GMPA is approximately 99% complete. Valley Electric continued to install conduits and conductors in the biosolids building for process control modules, motor control centers, local control panels, and miscellaneous equipment including exterior light fixtures (see Photo #3), a sludge cake feed distributor (see Photo #14), pressure switches at a dryer feed pump seal water manifold, a local control panel for a wet cake pump, and instruments and receptacles (see Photos #34 and #43). Valley Electric installed heat trace conductors and tape to a potable water line that serves an emergency eye wash station. Valley Electric is substantially complete in the Biosolids building; however, Valley Electric will be on site in February to assist Haarslev during start-up activities. Valley Electric installed conduits and conductors and placed sealing compound in conduit fittings at the headworks building (see photo at right). Valley Electric excavated a trench and installed buried conduit between a power pole along SE City Beach Street and the control room in the headworks building to facilitate installation of a fiber optic cable from Frontier Communications. Valley Electric and QualiTEQ installed a larger enclosure in the secondary treatment building to house the controls for two chemical dosing pumps. University Mechanical continued to assemble and install equipment associated with a biosolids dryer system in the biosolids building, but, similar to Valley Electric, their work in the biosolids building is substantially complete. At the biosolids building, University Mechanical finished installing grating, toe-kicks, and handrails on a platform associated with the dryer; installed seal water drain piping for dryer feed pumps (see Photo #5); installed potable water piping for an emergency shower; installed vent piping for a natural gas pressure regulator (see Photos #13 and #22); installed seismic straps at a water tank that serves polymer blending units; disassembled and modified centrate drain piping under the centrifuges to prevent centrate from backflowing into the wet cake pumps; and finished installing a roll-off bin cover (see Photo #32). University Mechanical installed closure plates at wall openings for course screen washer/compactor and grit washer discharge chutes at the Headworks building. University Mechanical disassembled a temporary PVC bypass piping system in the headworks building (see Photo #41) that was used to facilitate start-up activities. University Mechanical and its subcontractor, Honeywell, worked on controls for air handling units in the administration building and installed a condensate drain line in the maintenance building (see Photo #54). University Mechanical's subcontractor, Delta Technology Corporation, installed a stainless steel duct at a dust collector and a chute between two conveyors at the biosolids building. Delta Technology Corporation installed seismic straps, cables, and bracing on foul air and HVAC fans, ducts, and piping at the aeration-blower (see Photo #59), secondary treatment, headworks (see Photo #42), and biosolids buildings. A carpenter for Hoffman placed grout around conduit stub-ups and under equipment mounting stands and equipment base plates at the secondary treatment building (see Photo #45) and aeration-blower building (see Photo #60).



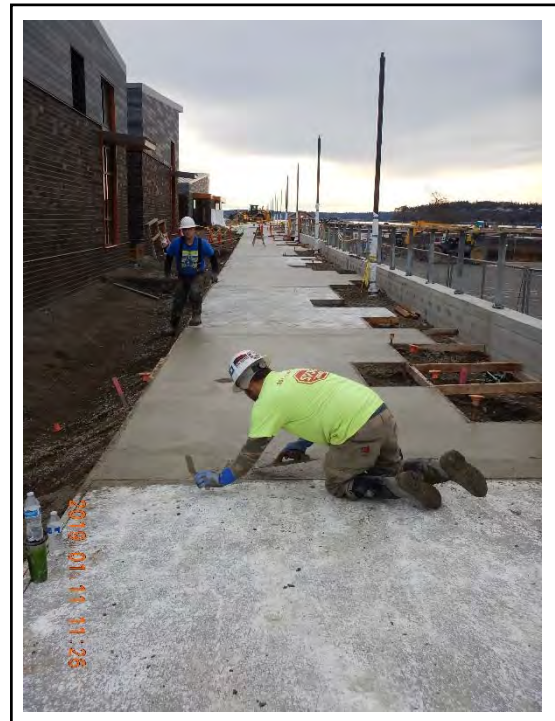
GMPA No. 10 – Concrete, Stone Columns, Compaction Grouting, and Shoring for Non-process Structures. Work on this GMPA is complete.

GMPA No. 11 – Superstructure Construction. Work on this GMPA is approximately 99% complete. Representatives from Honeywell, Proctors Sales, and Air Test Company were on site periodically during the month of January to work on the HVAC system in the administration building (see Photo #4). University Mechanical also worked on the HVAC system, installing condensate drain lines for heat recover ventilator (HRV) units. Valley Electric and Zesbaugh worked on a motor and controls for a roll-up door in the load out area of the biosolids building (see Photo #8). Pacific Glass was on site for several days to adjust doors and window frames in the process buildings (see Photo #56). D&G Mechanical Insulation attached batt insulation and aluminum jacketing to duct work associated with the dryer system in the biosolids building (see Photos #23, #44, #58, and #72). D&G Mechanical also attached insulation to a burner plenum in the biosolids building (see Photo #16) and to chemical piping in the secondary treatment building. During the first three weeks of January, painters for Penington Painting Company (Penington) touched up paint on secondary influent piping (see Photo #12), effluent piping, and return activated sludge piping (see Photo #20) in the secondary treatment building. Penington touched up paint in an office space and on a door and frame in the secondary treatment building. Penington touched up process piping and painted a discharge chute associated with a wet cake bin in the biosolids building. Penington touched up paint on CMU block walls in the headworks building. Whidbey Sign Co. (a.k.a. Humphrey Sign Co.) installed signs and letters on the exteriors of administration and maintenance buildings (see Photo #78) and the process buildings (see Photo #79). On February 1st, Puget Sound Energy's subcontractor, Potelco, disconnected power to the City's existing pump station and removed a transformer so demolition work by Ascendent Demolition can occur (see Photo #80).

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 64% 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. Interwest Construction continued to grade existing earthen material and place and compact imported aggregate base material. Interwest Construction built formwork and placed reinforcing steel and concrete for a seat wall at the north side of the odor control structure (see Photo #6). Interwest Construction built formwork and placed reinforcing steel and concrete for pedestrian walkways (see Photos #10, #29, #30, and #83), interpretive viewing areas (see Photos #11 and #67), and curbs (see Photo #82). Interwest Construction continued to cut contraction joints in a pedestrian walkway that runs north-south between Pioneer Way and Oak Harbor Bay (see Photo #51). Interwest Construction installed two fire hydrants and flushed them to remove debris (see Photo #64). Interwest Construction's subcontractor, Norton Corrosion, attached bonding cables and anodes to valves and fittings associated with the fire hydrants. Valley Electric installed conduits, conductors, and precast concrete lamp bases. Pacific Earth Works installed 6-inch PVC irrigation system piping (see Photo #50), control valves, and laterals. Interwest Construction excavated and graded earthen material along the south side of the administration building for a swale. Interwest Construction built formwork and placed reinforcing steel and concrete for a screen wall foundation at the southeast corner of the maintenance building. Interwest Construction installed a new sanitary sewer manhole at the east side of SE City Beach Street (see Photo #46) to serve an existing sewer. Interwest Construction installed a fire hydrant at the southeast corner of the biosolids building. Interwest Construction's subcontractor, Norton Corrosion, attached bonding cables and anodes to valves and fittings associated with the fire hydrant.

GMPA No. 13 – Windjammer Park Improvements. Work on this portion of GMPA No. 13 is approximately 65% complete (see Photo #1). The following work occurred in Windjammer Park. Interwest Construction graded on-site earthen material and placed and compacted imported aggregate base material between the splash park and the ship-wreck water feature, at the area east of the splash park, and near the shoreline of Oak Harbor Bay east of the ship-wreck water feature. Interwest Construction built formwork and placed concrete for walkways at the south end of the park between the splash park and the ship-wreck water feature (see Photos #33, #48, and #52) and near the shoreline of Oak Harbor Bay east of the ship wreck water feature (see Photos #47, #57, and #70). Interwest Construction built formwork and placed concrete for pedestrian walkways near the pavilion (see Photo #68). Interwest Construction constructed a slab-on-grade foundation for two Portland Loos and then set the Portland Loos atop the foundation (see Photo #17). Interwest Construction finished placing concrete for a pedestrian walkway that runs in a north-south direction between Pioneer Way and Oak Harbor Bay (see Photos #29, #30). Interwest Construction installed 8-inch PVC sanitary sewer piping to serve the splash park (see Photo #9) and 12-inch PVC storm water piping and an associated catch basin (see Photo #71) to drain a swale near the northeast end of the splash park. Interwest Construction helped the City of Oak Harbor install a City-owned flag pole (see Photo #61). Interwest Construction installed a catch basin, sump pump, and PVC piping (see Photo #66) to collect stormwater at a low spot in the center of the park (north of the lagoon) so it can be pumped to a storm water detention pond next to the administration building. Interwest Construction installed a reduced pressure backflow prevention valve assembly at the north end of the splash park. Interwest Construction’s subcontractor, Norton Corrosion, installed anodes and bonding cables at valves and fitting associated with the valve assembly. Interwest Construction graded on site earthen material and placed, graded, and compacted imported aggregate base material at the far southeast corner of the park near the south side of the east kitchen. Pacific Earth Works installed irrigation system piping (see Photo #7) and control valves (see Photo #18) east of the west kitchen. Pacific Earth Works also installed irrigation system piping and control valves east of the splash park and ship-wreck water feature. Pacific Earth Works installed irrigation system piping west of the pavilion and along the pedestrian walkway that runs north-south between Pioneer Way and Oak Harbor Bay. Pacific Earth Works continued to place and grade top soil at the southwest corner of the park (see Photo #19). Pacific Earth Works also placed and graded top soil east and northwest of the west kitchen and west of a stormwater detention pond that is located adjacent to the west side of the administration building (see Photo #27). Pacific Earth Works planted wetland enhancement plants near the northwest entrance to the park (see Photo #81). Valley Electric installed conduits, conductors, and precast concrete lamp bases at the southeast portion of the park (i.e., near the splash park and ship-wreck water feature and along pedestrian walkways near the shoreline of Oak Harbor Bay) and at the south end of the west kitchen. Valley Electric installed buried conduits west of the pavilion. Valley Electric installed an entrance panel near the southwest entrance to the park and installed a City-owned distribution panel (see Photo #49) at the north end of the park. Valley Electric pulled conductors through buried conduits along the pedestrian walkway that runs north-south between Pioneer Way and Oak Harbor Bay.

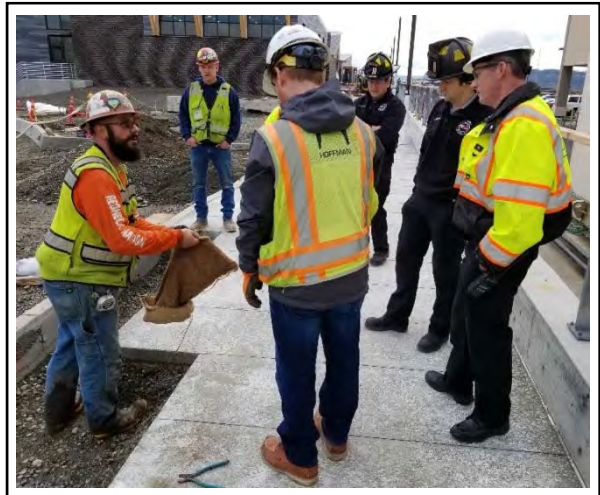


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GMPA No. 13 – Windjammer Park Improvements (continued). Valley Electric attached copper grounding conductors to spray nozzles at the ship-wreck water feature. P&L General Contractors continued to install glulam beams at the west kitchen (see Photos #24, #25, #37, #38, #39, #53, #55, and #76) and began to install tongue-and-groove decking atop the beams (see Photo #73). P&L General Contractors applied damp proofing to shear walls (see Photo #40) and installed glulam beams (see Photos #63, #65, and #77). P&L General Contractors installed glulam columns at the east kitchen (see Photo #75). Black Rock Masonry finished CMU block walls at the west kitchen (see Photo #36). During the last two weeks of January, Black Rock Masonry attached metal lath to shear walls at the pavilion, troweled mortar over the lath (see Photo #69), and then began placing basalt rock against the mortar (see Photo #84).

4. QUALITY ASSURANCE

An inspector for the City's subconsultant, KBA, performed full-time inspection at the clean water facility and Windjammer Park. A resident engineer for KBA performed part-time inspection 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. On January 17th, KBA conducted a coordination meeting with City building officials (i.e., Scott King) and representatives of Oak Harbor Fire Department (i.e., Ray Merrill and Mike Buxton). On January 24th, representatives of Oak Harbor Fire Department were on site to inspect a fire suppression system and witness fire hydrant flushing (see Photo #64). 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). Hoffman Superintendent Adam Jorgenson and City of Oak Harbor Park Department representative Hank Nydam inspected plants soon after they arrived on site (see Photo #74). Inspectors produced written daily reports that were filed on the City's server.



5. DOCUMENT TRACKING

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

Table 5.1 Document Tracking	January 2019		Project to Date	
	Number Received	Number of Reviews	Number Received	Number of Reviews
Submittals	5	4	1,433	1,430
Requests for Information	13	13	1,324	1,315

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 November:

- Manhours worked to date: 517,000
- 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 ⁽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, 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 December 2018, for \$1,829,691 (including sales tax). The progress payment application was reviewed and processed in January. See Attachment B, *Authorization for Payment*, for additional information. Total applications for payment to date for construction phase services through December are \$117,113,356 representing 91.5% 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	2,330,714	117,806
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	1,910,974	32,059,686	31,635,339	424,347
GMPA No. 10 Work:	4,809,815	1,574,970	6,384,785	6,384,785	0
GMPA No. 11 Work:	17,934,490	1,010,868	18,945,358	18,616,344	329,014
GMPA No. 12 Work:	3,957,515	23,722	3,981,237	3,944,439	36,798
GMPA No. 13 Work (CWF):	4,580,898	(927,644)	3,653,254	2,228,122	1,425,133
GMPA No. 13 Work (WJP):	9,268,436	156,406	9,424,843	5,192,233	4,232,610
Negotiated Support Services	8,339,260	0	8,339,260	6,912,958	1,426,302
Specified General Conditions	2,392,490	0	2,392,490	2,385,463	7,027
Subtotal	107,562,616	4,404,329	111,966,945	103,317,969	8,648,976
GC/CM's Risk Contingency	3,492,360	(2,640,970)	851,390		851,390 ⁽²⁾
Owner's Risk Contingency	1,875,883	(1,763,359)	94,524		94,524 ⁽²⁾
Subtotal	5,350,243	(4,404,329)	945,914		945,914
GC/CM fee (4.28%)	4,832,668	0	4,832,668	4,422,009	410,659
Subtotal	117,745,527	0	117,745,527	107,739,978	10,005,549
State Sales Tax (8.7%)	10,243,861	0	10,243,861	9,373,378	870,483
Total	127,989,388	0	127,989,388	117,113,356	10,876,031

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 January. 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 January 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	(2,640,970)	(428,197)	423,193

Table 9.2 Owner Design Contingency	Owner's Original Design Contingency ⁽⁴⁾	Previous Adjustments	Adjustments this Past Month ⁽⁵⁾	Owner's Current Design Contingency ⁽¹⁾⁽²⁾
Owner Design Contingency	1,857,883	(1,763,359)	187,435	281,959

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. See Table 9.3 on the following page for additional information.

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 448 CCMs through January 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 January.

Table 9.3 – Cost Change Memorandums

<u>CCM</u>	<u>Description</u>	<u>Transfer</u>	<u>Amount</u> ⁽¹⁾
168.6	Wood and Timber Framing Recon	From GMPA #11 to owner contingency	\$ 33,373
525	Fire Suppression Compressor Elec	From owner contingency to GMPA #11	\$ 6,214
528	Repair Trade Damage at Admin	From GC/CM risk contingency to GMPA #11	\$ 8,540
554	Strobic Fan Curb Re-work	From GMPA No. 9 to GMPA No. 11	\$ 22,609
565	ADA Requirements at Admin	From GC/CM risk contingency to GMPA #11	\$ 11,324
571	Horn-strobe Interlocks	From owner contingency to GMPA #9	\$ 2,951
573	Air Compressor Electrical	From GC/CM risk contingency to GMPA #9	\$ 7,458
590	Instruments for MBR System	From GMPA No. 1 (Suez) to GMPA #9 (UMC)	\$ 2,457
596	Modify Vents at MBR Blowers	From GC/CM risk contingency to GMPA #9	\$ 1,885
605	Isolation Valves at Hydro Tanks	From owner contingency to GMPA #9	\$ 2,326
606	Monorail Beam Attachments	From GC/CM risk contingency to GMPA #11	\$ 9,359
611	Auto Sampler Tubing	From owner contingency to GMPA #9	\$ 7,504
613	Added Utility Water Valves	From owner contingency to GMPA #9	\$ 5,177
614	Compressed Air to Centrifuge	From owner contingency to GMPa #9	\$ 3,306
615	Backflow Preventer at Splash Park	From owner contingency to GMPA #13	\$ 20,456
616	Belt Dryer Assembly	From owner contingency to GMPA #9	\$ 316,365
618	Door Removal to Facilitate Wiring	From GMPA #11 (Pacific) to GMPA #11 (Valley)	\$ 3,528
619	Supplement to Owner Contingency	From NSS to owner contingency	\$ 180,000 ⁽²⁾

Note:

1. Excluding profit and tax.
2. NSS = Negotiated Support Services

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 – CWF ⁽²⁾	5,837,305	0	0	5,837,305
GMPA No. 13 – WJP ⁽²⁾	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

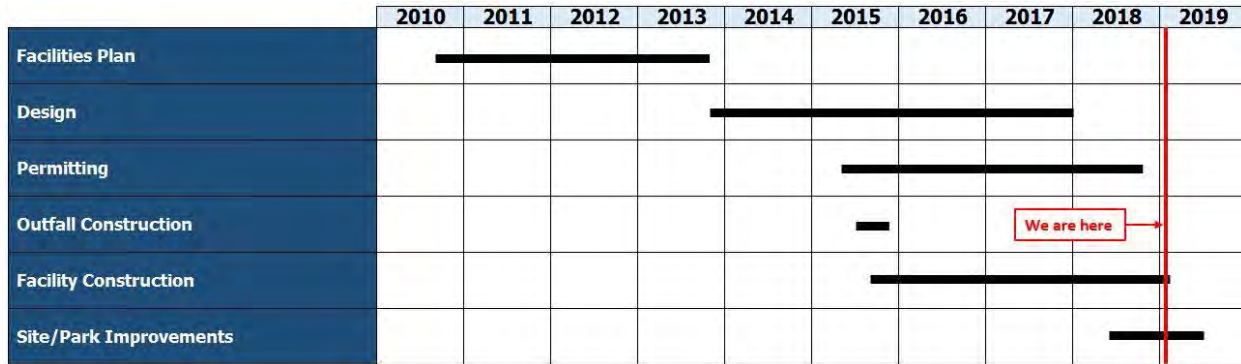
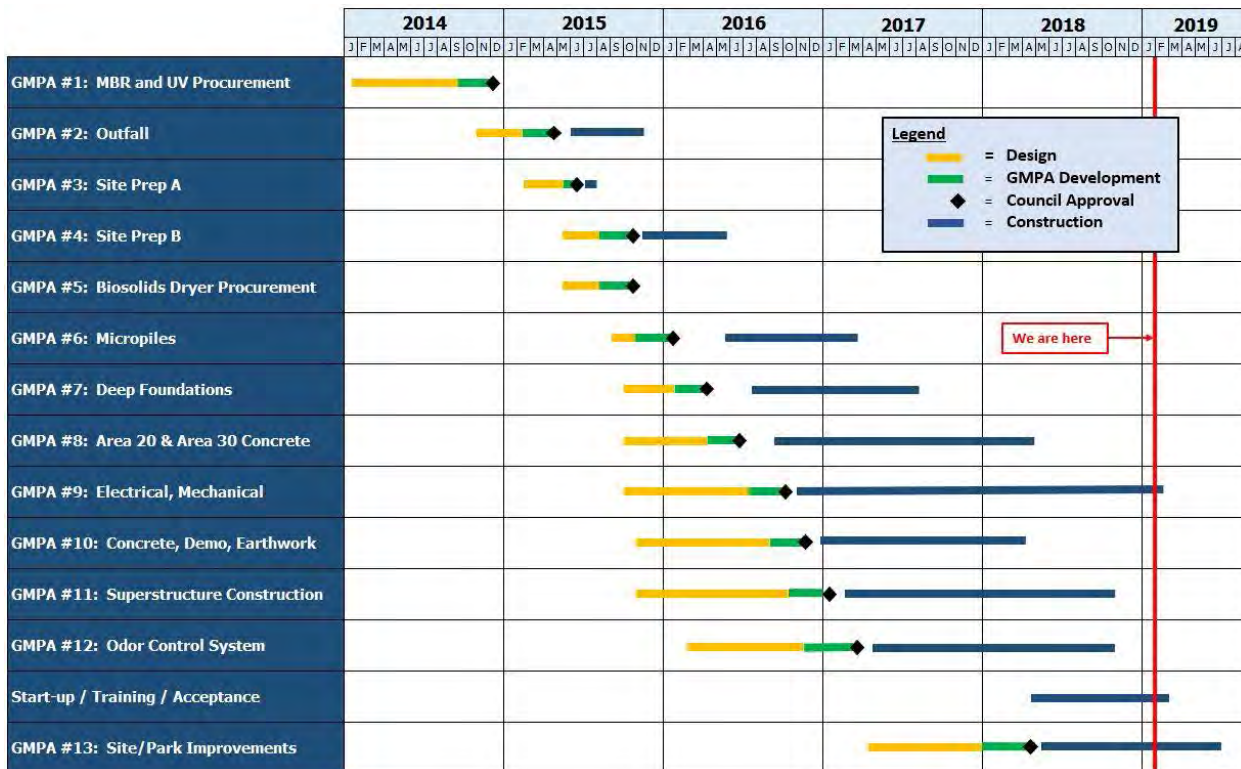


Table 10.2 – Construction Schedule



12. PHOTOGRAPHS

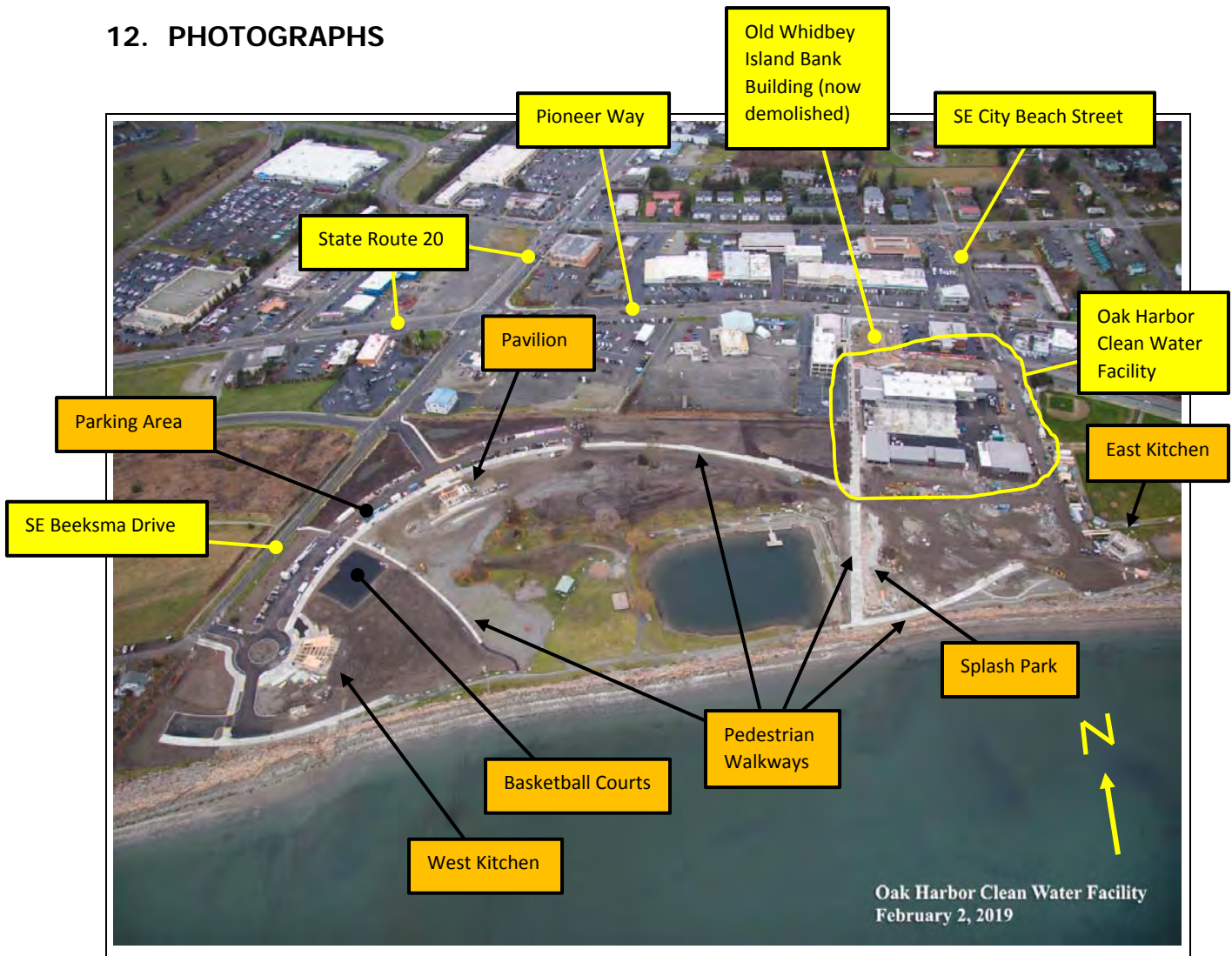


Photo #1A

Aerial photo of Windjammer Park and the clean water facility job site (looking north) on February 2nd, 2019, about nine months after demolition work at Windjammer Park began.

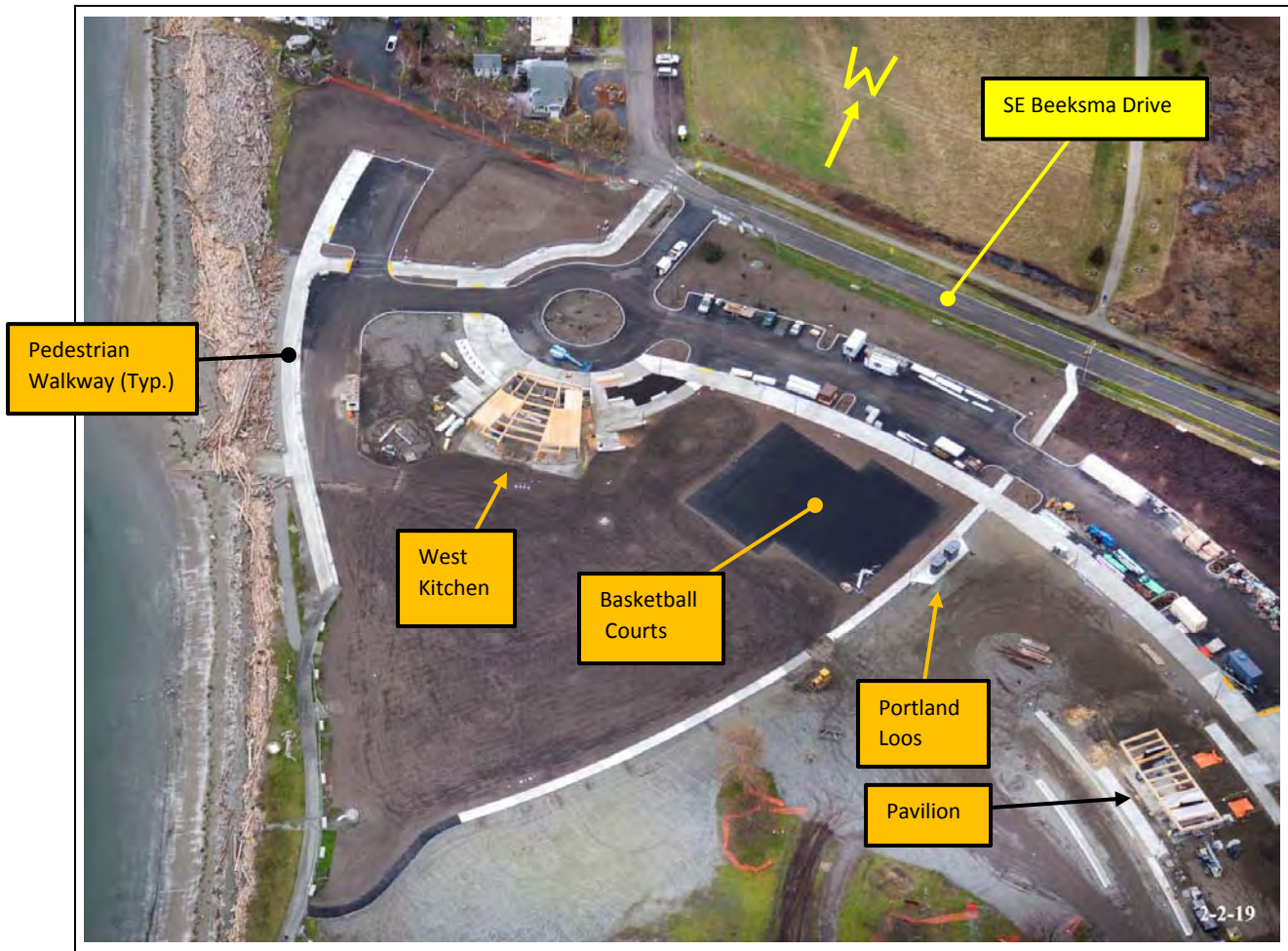


Photo #1B

Aerial photo of the southwest end of Windjammer Park (looking west) on February 2nd, 2019.

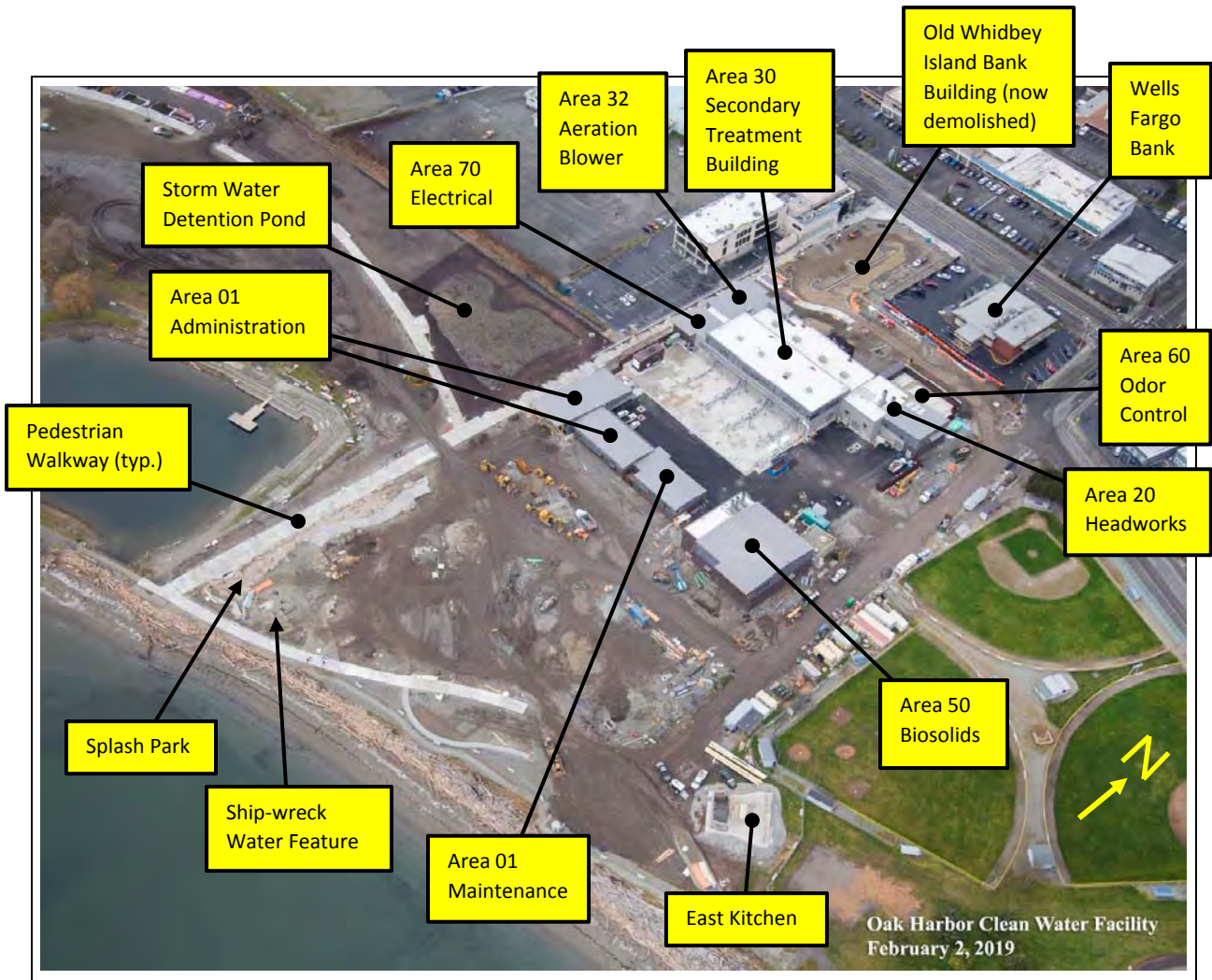


Photo #2

Aerial photo of the clean water facility job and the southeast corner of Windjammer Park (looking northwest) on February 2nd, 2019.



Photo #3

Area 50 Biosolids Building
(looking southeast) on
Wednesday, January 2nd.

An electrician for Valley
Electric is installing a light
fixture over a doorway.



Photo #4

Area 01 Administration Building (looking west in the conference room) on Thursday, January 3rd.

A technician for Airtest Company is measuring air velocity and flow rate at a supply grille.

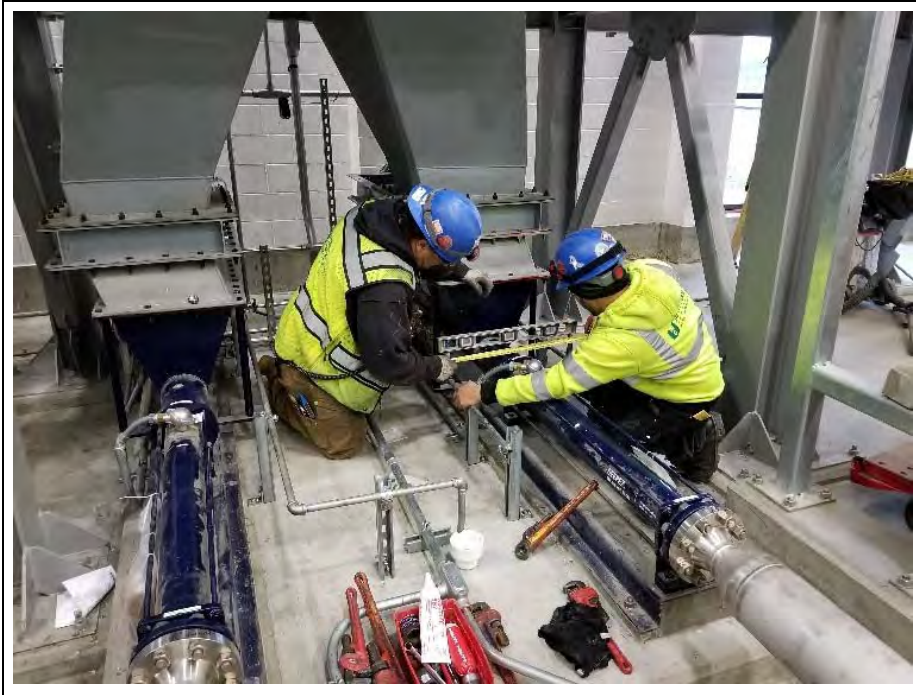


Photo #5

Area 50 Biosolids Building (looking south) on Thursday, January 3rd.

Two pipefitters for University Mechanical are installing supports for seal water drain piping for dryer feed pumps.



Photo #6

Area adjacent to the north side of Area 20 Odor Control Structure (looking east) on Thursday, January 3rd.

Carpenters and laborers for Interwest Construction are placing concrete for a seat wall.



Photo #7

Southwest end of Windjammer Park (looking east from the west kitchen) on Thursday, January 3rd.

Laborers for Pacific Earth Works are installing PVC irrigation pipe. The pink color indicates the use of reclaimed water.



Photo #8

Area 50 Biosolids Building
(looking northeast in
loadout area) on Friday,
January 4th.

A technician for Zesbaugh
is testing conductors for a
motor actuator for a
coiling door.



Photo #9

South end of Windjammer Park (looking east) on Friday, January 4th.

A pipe layer and an operator for Interwest Construction are installing an 8-inch PVC sanitary sewer pipe.

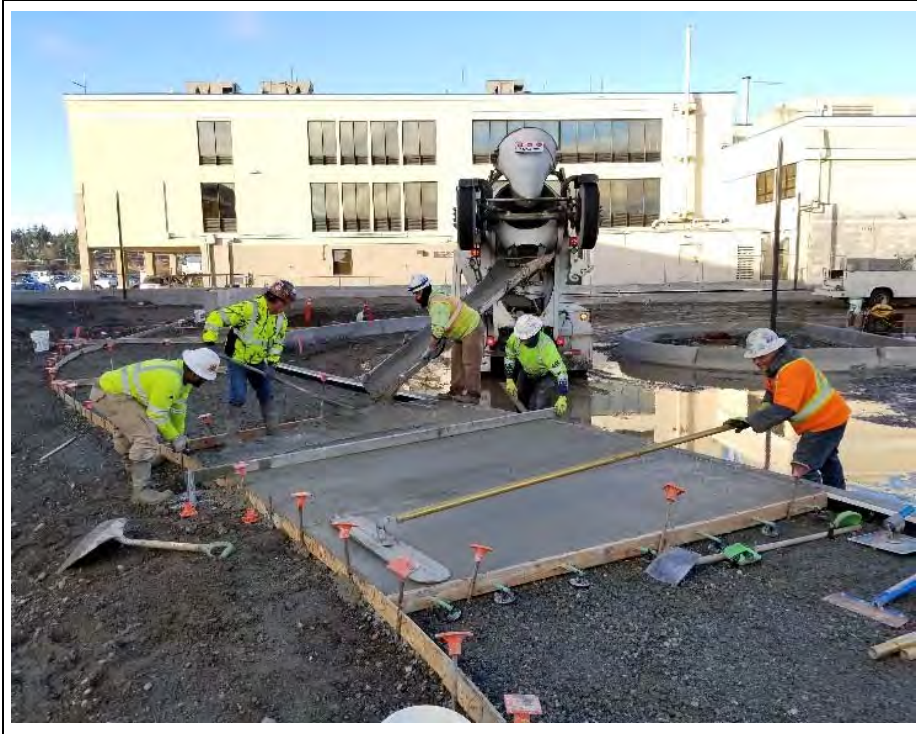


Photo #10

Area north of Area 20 Secondary Treatment Building (looking west) on Friday, January 4th.

Carpenters and laborers for Interwest Construction are placing and finishing concrete for a walkway.



Photo #11

Area adjacent to the north side of Area 20 Secondary Treatment Building (looking southwest) on Friday, January 4th.

A laborer for Interwest Construction is applying a broom finish to concrete at an interpretive viewing deck.



Photo #12

Area 30 Secondary Treatment Building (looking southeast in the gallery) on Monday, January 7th.

A painter for Penington Painting Company is touching up the paint on 36-inch and 24-inch secondary influent piping.



Photo #13

Area 50 Biosolids Building
(looking northwest) on
Monday, January 7th.

Pipefitters for University
Mechanical are installing
vent piping associated
with a natural gas
pressure regulator.

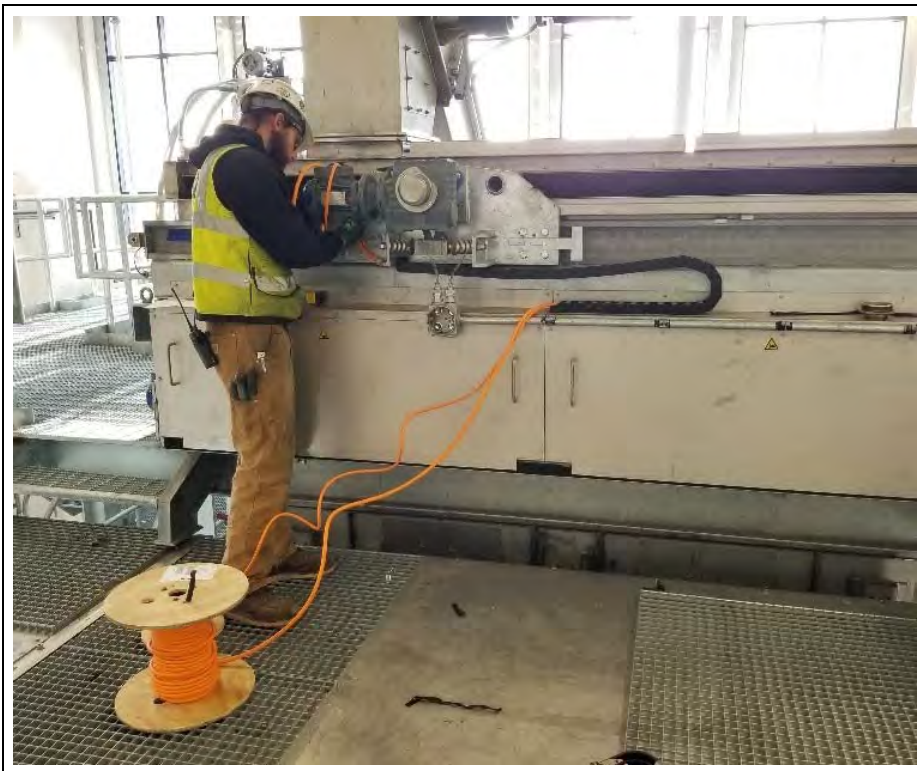


Photo #14

Area 50 Biosolids Building
(looking south atop the
biosolids dryer) on
Monday, January 7th.

An electrician for Valley
Electric is installing
conductors for a sludge
cake feed distributor.



Photo #15

Area 50 Biosolids Building (looking northeast) on Tuesday, January 8th.

GEA Process Engineer Tom Potter is collecting a sample of dewatered waste activated sludge (WAS), i.e., wet cake, from a centrifuge. The wet cake is then conveyed to a biosolids dryer where the wet cake is heated at temperatures up to 350 deg-F. The resulting product is then known as Class A biosolids.

Class A biosolids is a designation for dewatered sludge that meets U.S. EPA guidelines for land application with no restrictions. Thus, Class A biosolids can be legally used as fertilizer at farms, vegetable gardens, and can be sold to home gardeners as compost or fertilizer.



Photo #16

Area 50 Biosolids Building (looking east) on Tuesday, January 8th.

Technicians for D&G Mechanical Insulation are wrapping insulation around a burner plenum.



Photo #17

West end of Windjammer Park (looking west) on Tuesday, January 8th.

Interwest Construction is utilizing an excavator to set a Portland Loo in place atop a concrete slab-on-grade.



Photo #18

Southwest end of Windjammer Park (looking north along the east side of the west kitchen) Tuesday, January 8th.

Laborers for Pacific Earth Works are installing irrigation system control valves.



Photo #19

Southwest corner of Windjammer Park (southwest) on Tuesday, January 8th.

Pacific Earth Works is placing topsoil.

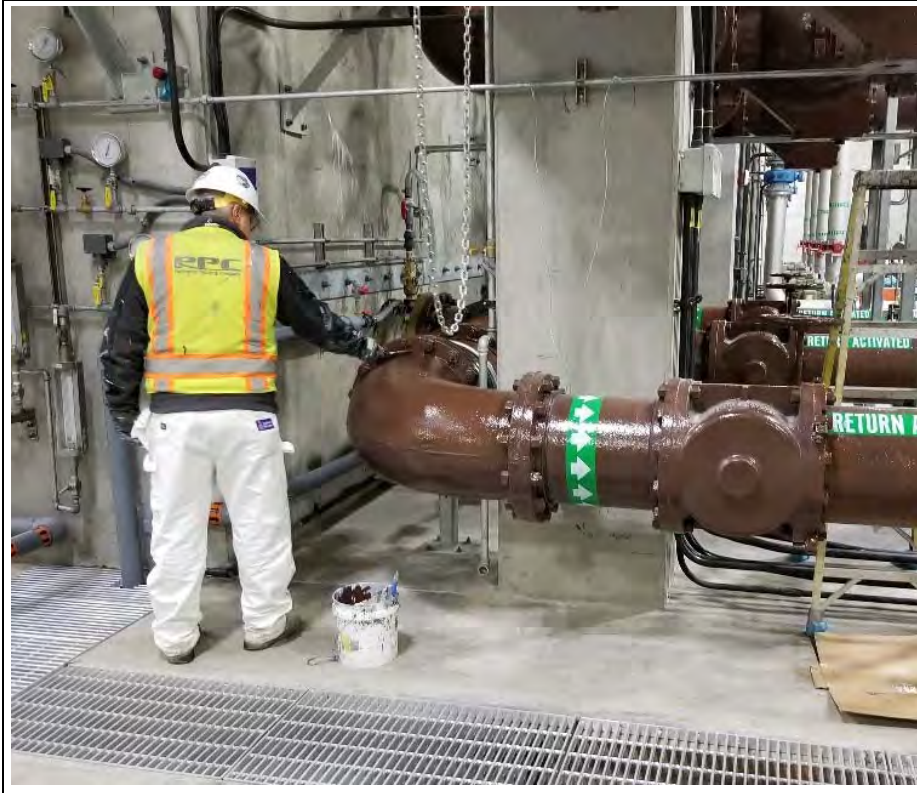


Photo #20

Area 30 Secondary Treatment Building (looking west in the gallery) on Tuesday, January 8th.

A painter for Penington Painting Company is touching up the paint on return activated sludge (RAS) piping.



Photo #21

Area 32 Aeration Blower Building (looking west) on Wednesday, January 9th.

A technician for Cascade Machinery and Electric is starting up an air compressor that serves the clean water facility's high pressure air system.

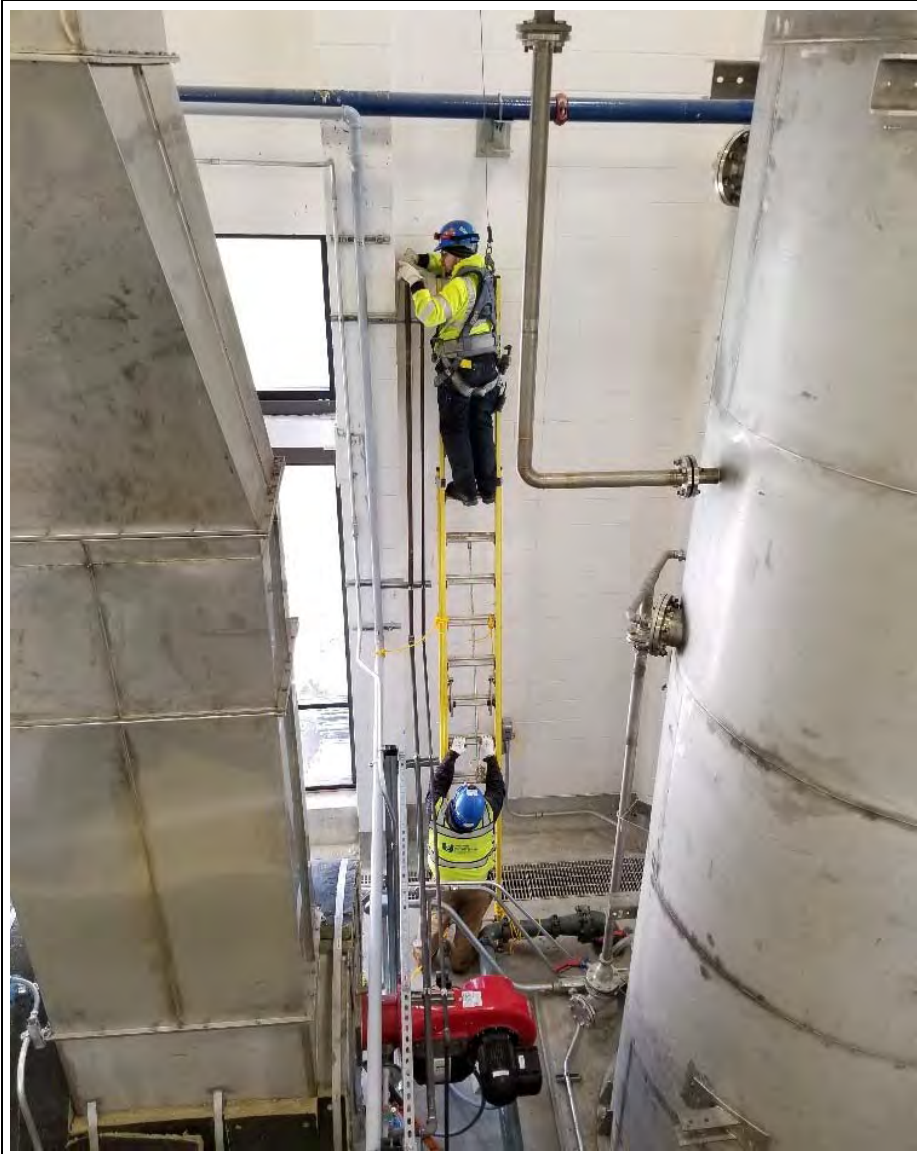


Photo #22

Area 50 Biosolids Building
(looking east) on
Wednesday, January 9th.

Two pipefitters for
University Mechanical are
installing vent piping
associated with a natural
gas pressure regulator.



Photo #23

Area 50 Biosolids Building
(looking north) on
Wednesday, January 9th.

A technician for D&G
Mechanical Insulation is
attaching batt insulation to
ducts at the east side of
the biosolids dryer.



Photo #24

Southwest end of Windjammer Park (looking north at the west kitchen) on Wednesday, January 9th.

P&L General Contractors and Faber Crane Service are setting glulam beams.



Photo #25

Southwest end of Windjammer Park (looking west at the west kitchen) on Wednesday, January 9th.

P&L General Contractors and Faber Crane Service are setting glulam beams.



Photo #26

North end of Windjammer Park (looking north) on Wednesday, January 9th.

Interwest Construction is placing concrete for a section of vehicular concrete paving (i.e., the concrete is 8 inches thick in lieu of 4 inches thick for pedestrian concrete paving).



Photo #27

North end of Windjammer Park (looking east) on Thursday, January 10th.

Landscapers for Pacific Earth Works are spreading topsoil in an area that is slated for grass.



Photo #28

Area 50 Biosolids Building (looking north at a centrifuge) on Thursday, January 10th.

A process engineer for GEA, Tom Potter (white hardhat), is conducting an operator training class pertaining to centrifuges.



Photo #29

Area adjacent to northwest corner of Area 32 Aeration Blower Building (looking south towards Oak Harbor Bay) on Friday, January 11th.

Interwest Construction is utilizing a truck-mounted concrete pump and hydraulic actuated boom to place concrete for a walkway that runs in a north-south direction between Pioneer Way and Oak Harbor Bay.

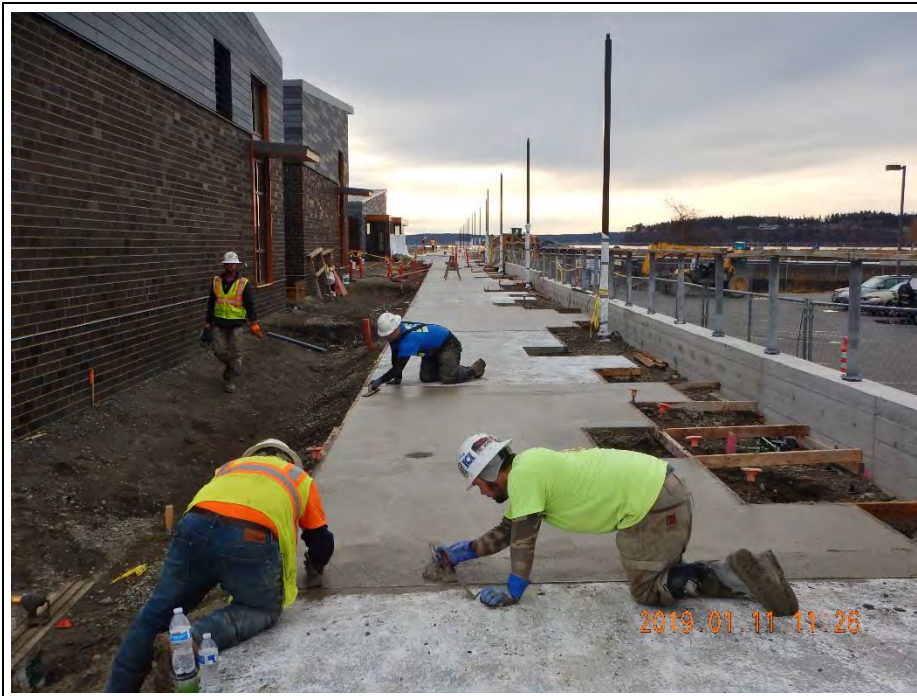


Photo #30

Area adjacent to the west side of Area 32 Aeration Blower Building (looking south towards Oak Harbor Bay) on Friday, January 11th.

Carpenters and laborers for Interwest Construction are finishing concrete for a walkway that runs in a north-south direction between Pioneer Way and Oak Harbor Bay.



Photo #31

Area 50 Biosolids Building (looking southeast in the control room) on Friday, January 11th.

An electrical engineer for Haarslev, Jose Alberto Ruiz, is terminating conductors at a process control module pertaining to solids handling (i.e., PCM-SH).



Photo #32

Area 50 Biosolids Building (looking north) on Friday, January 11th.

This photo depicts a newly installed roll-off bin cover system and roll-off bin in the load-out area of the biosolids building. The roll-off bin cover system facilitates conveyance of Class A biosolids from the dryer to the roll-off bin.



Photo #33

South end of Windjammer Park (looking north) on Friday, January 11th.

Interwest Construction is building forms for pedestrian concrete pavement between a splash park (left) and a play area (right).

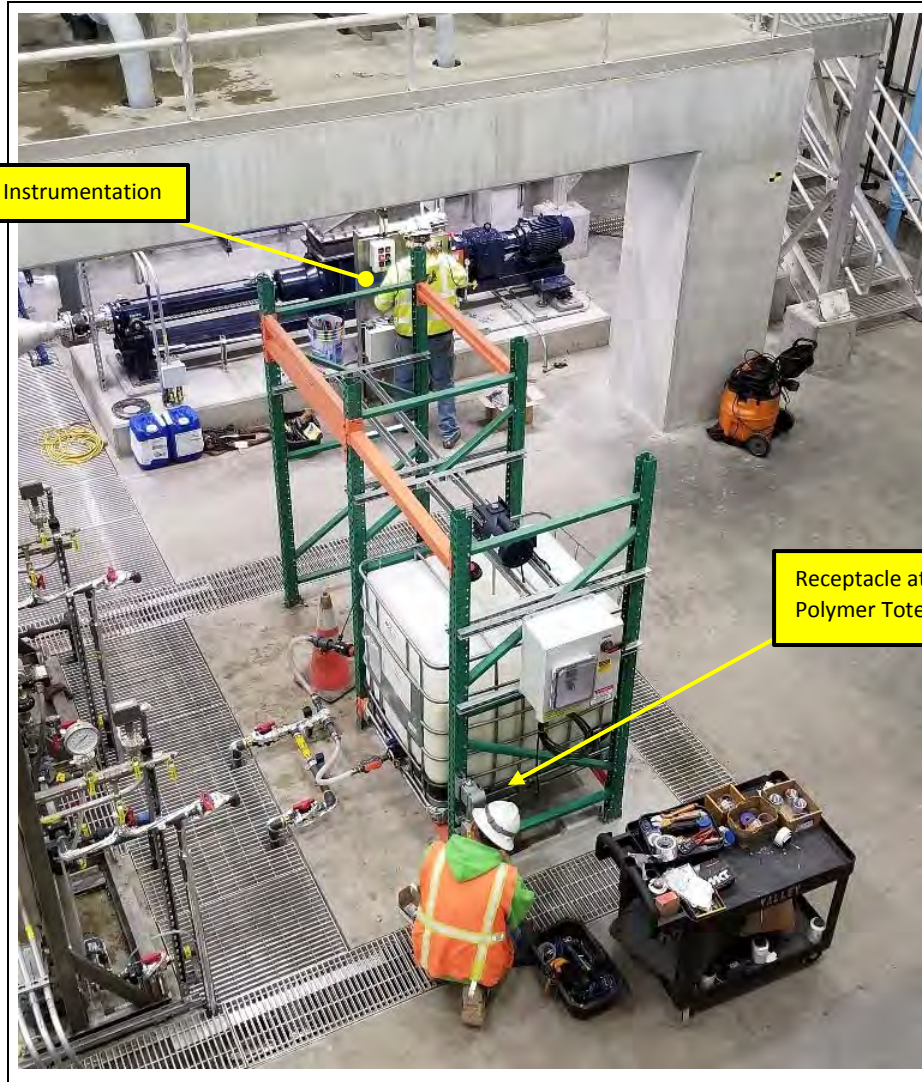


Photo #34

Area 50 Biosolids Building (looking west) on Friday, January 11th.

Electricians for Valley Electric are installing instruments and receptacles.



Photo #35

Southwest end of Windjammer Park (looking east at the north side of the west kitchen) on Monday, January 14th.

A carpenter for P&L General Contractors is injecting epoxy into a drilled hole in a CMU block wall. The epoxy facilitates installation of a galvanized steel anchor bolt.

The galvanized steel angle that is seen bolted to the CMU block wall will support a basalt rock façade.



Photo #36

Southwest end of Windjammer Park (looking east towards the west kitchen) on Monday, January 14th.

A brick mason for Black Rock Masonry (top) is vibrating grout that was just placed within CMU blocks between the glulam beams.



Photo #37

Southwest end of Windjammer Park (looking south) on Tuesday, January 15th.

A carpenter for P&L General Contractors is cutting the end of a glulam beam to facilitate a bolted connection of the beam to a knife plate.



Photo #38

Southwest end of Windjammer Park (looking northwest towards the west kitchen) on Tuesday, January 15th.

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



Photo #39

Southwest end of Windjammer Park (looking southwest towards the west kitchen) on Tuesday, January 15th.

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



Photo #40

West end of Windjammer Park (looking northeast) on Wednesday, January 16th.

Carpenters for P&L General Contractors are applying a damp proofing compound to a concrete shear wall at the pavilion.





Photo #41

Area 20 Headworks
(looking west) on
Wednesday, January 16th.

Pipefitters for University
Mechanical are
disassembling temporary
PVC bypass piping that
was used to facilitate
start-up activities.

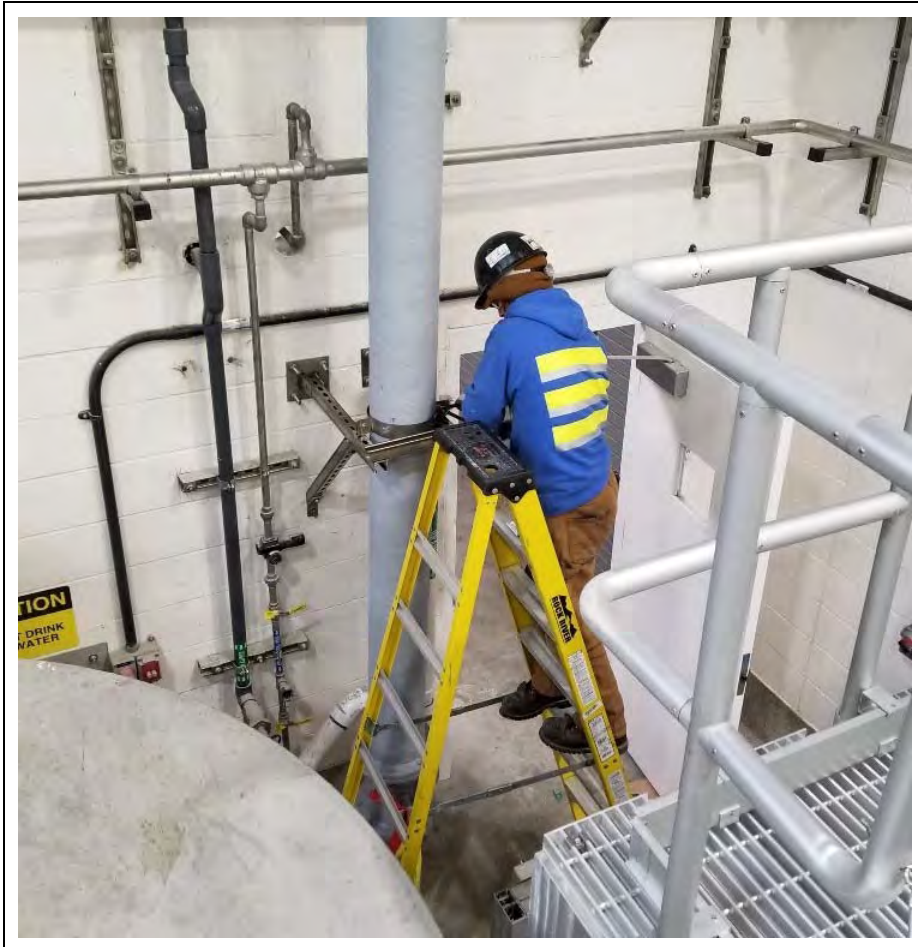


Photo #42

Area 20 Headworks Building (looking east) on Wednesday, January 16th.

A sheetmetal worker for Delta Technology Corporation is installing a seismic brace on a fiber reinforced plastic (FRP) foul air duct.



Photo #43

Area 50 Biosolids Building
(looking southwest
towards an equipment
mounting stand) on
Wednesday, January 16th.

An electrician for Valley
Electric is pulling
conductors into a junction
box that serves motor
operated valves and wet
cake pumps.



Photo #44

Area 50 Biosolids Building
(looking east at the dryer)
on Thursday, January 17th.

Insulators for D&G
Mechanical Insulation are
placing aluminum
jacketing over batt
insulation.

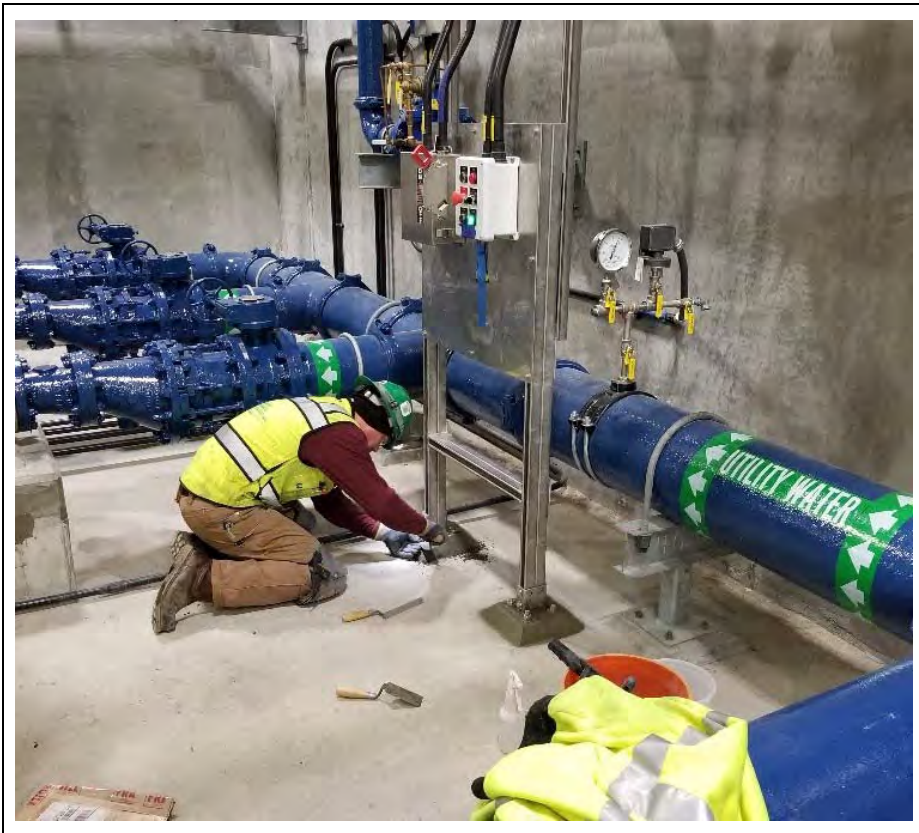


Photo #45

Area 38 Utility Water
(looking northwest)
on Thursday, January 17th.

A carpenter for Hoffman is
placing grout under
baseplates that support an
equipment mounting
stand.



Photo #46

East side of SE City Beach Street next to Baseball Fields (looking east) on Thursday, January 17th.

A pipelayer for Interwest Construction is installing a section of 12-inch PVC sanitary sewer pipe between two manholes.



Photo #47

South end of Windjammer Park (looking west) on Thursday, January 17th.

Carpenters and laborers for Interwest Construction are placing concrete for a pedestrian walkway along Oak Harbor Bay.



Photo #48

South end of Windjammer Park (looking north) on Thursday, January 17th.

Laborers for Interwest Construction are finishing concrete along the east side of the splash park.



Photo #49

North end of Windjammer Park (looking southeast) on Thursday, January 17th.

Electricians for Valley Electric are installing buried conduit for the re-use of an existing City-owned distribution panel (as seen in the photograph below).





Photo #50

Area north of Area 30 Secondary Treatment Building (looking east) on Thursday, January 17th.

Laborers for Pacific Earth Works are installing 6-inch PVC irrigation system piping (the pipe is pink in color to indicate reclaimed water).



Photo #51

Area north of Area 30 Secondary Treatment Building (looking southwest) on Thursday, January 17th.

Carpenters for Interwest Construction are saw cutting crack control joints in a pedestrian walkway that runs in a north-south direction between Pioneer Way and Oak Harbor Bay. The CMU block building in the background is the People's Bank building.



Photo #52

South end of Windjammer Park (looking north along the east side of the splash park) on Thursday, January 17th.

Laborers for Interwest Construction are placing concrete for a pedestrian walkway adjacent to the east side of the splash park (seen at the lower left).



Photo #53

Southwest section of Windjammer Park (looking east from the west kitchen) on Friday, January 18th.

A carpenter for P&L General Contractors is utilizing a chain saw to cut the end of a glulam beam to facilitate a bolted connection to a knife plate.



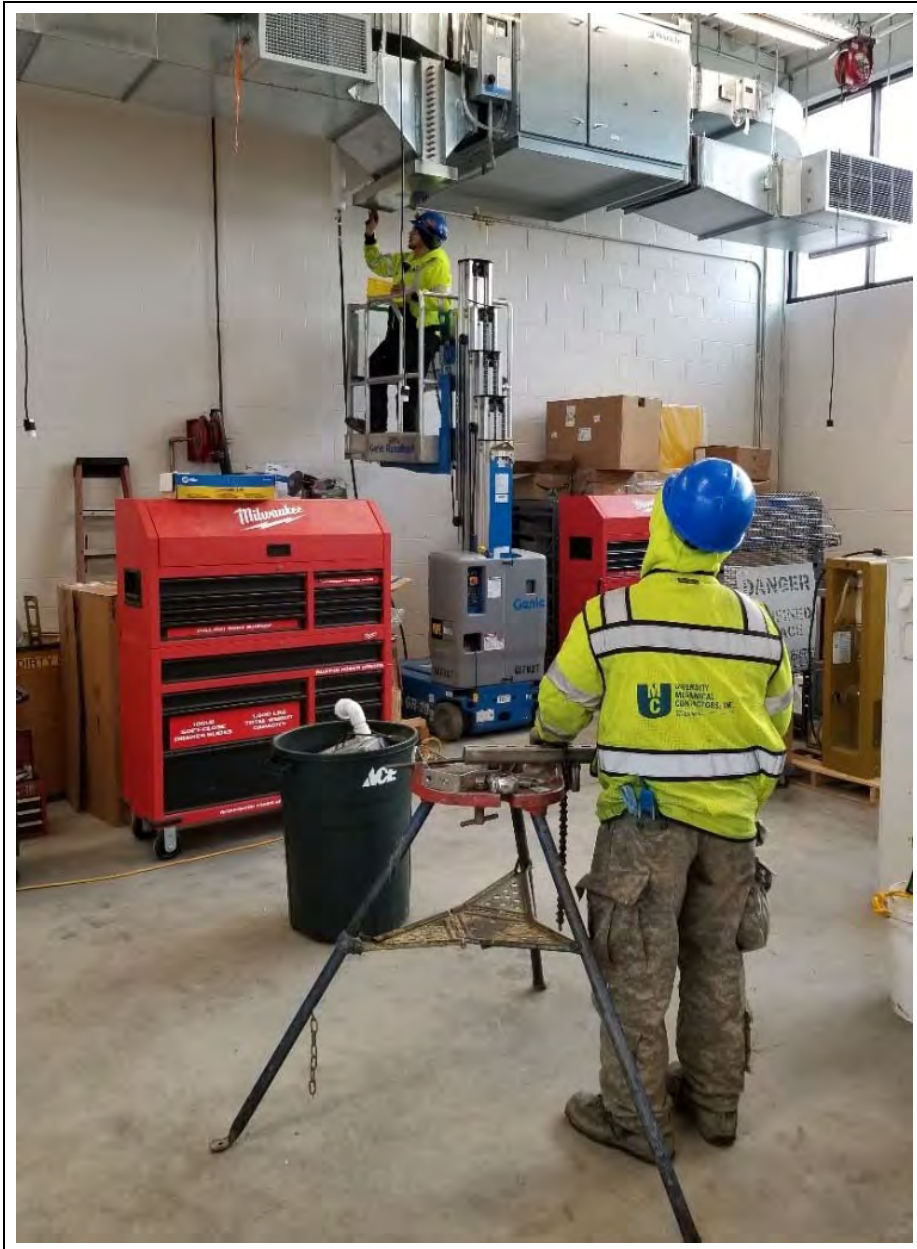


Photo #54

Area 01 Maintenance Building (looking southeast) on Friday, January 18th.

Pipefitters for University Mechanical are beginning to install a condensate drain line from heating and cooling coils.



Photo #55

Southwest section of Windjammer Park (looking east towards the west kitchen) on Friday, January 18th.

Carpenters for P&L General Contractors are attaching a galvanized steel "knife plate" to a glulam beam.

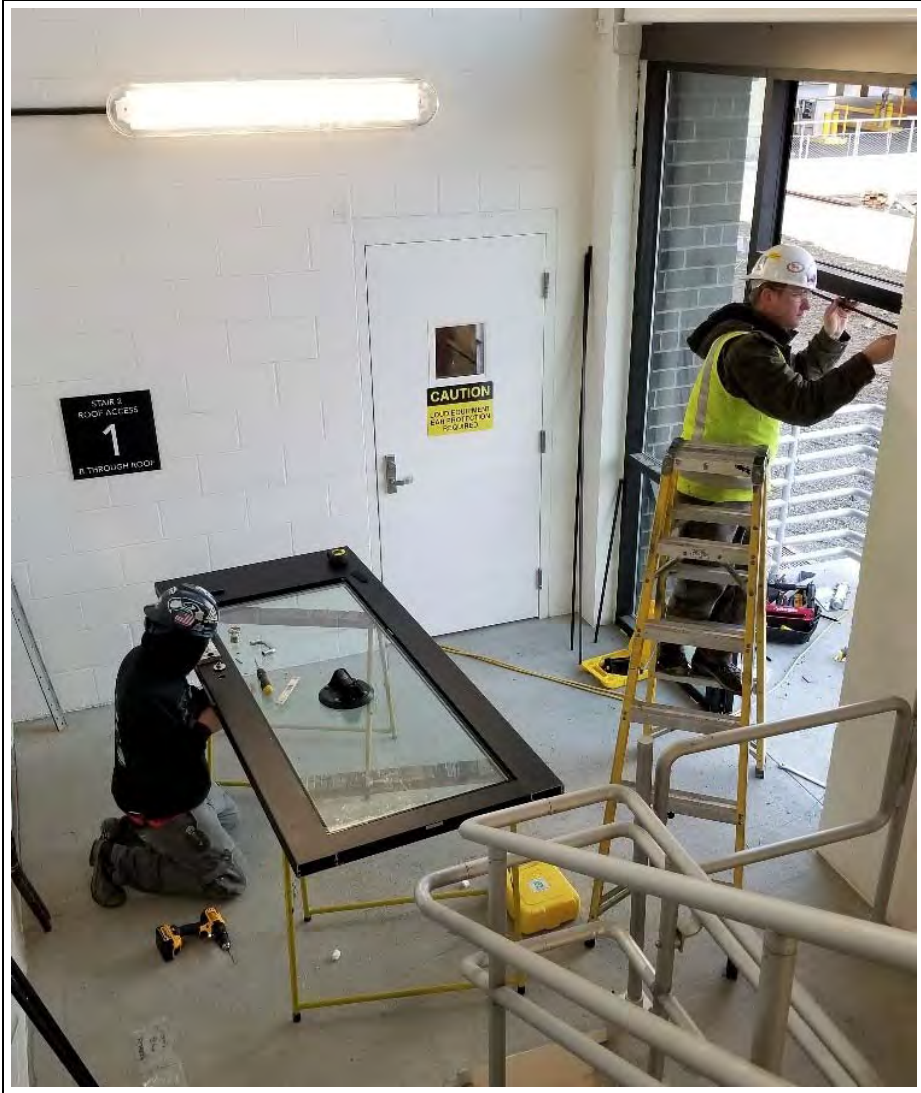


Photo #56

Area 30 Secondary Treatment Building (looking northwest) on Monday, January 21st.

Glaziers for Pacific Glass are re-orienting a doorway.

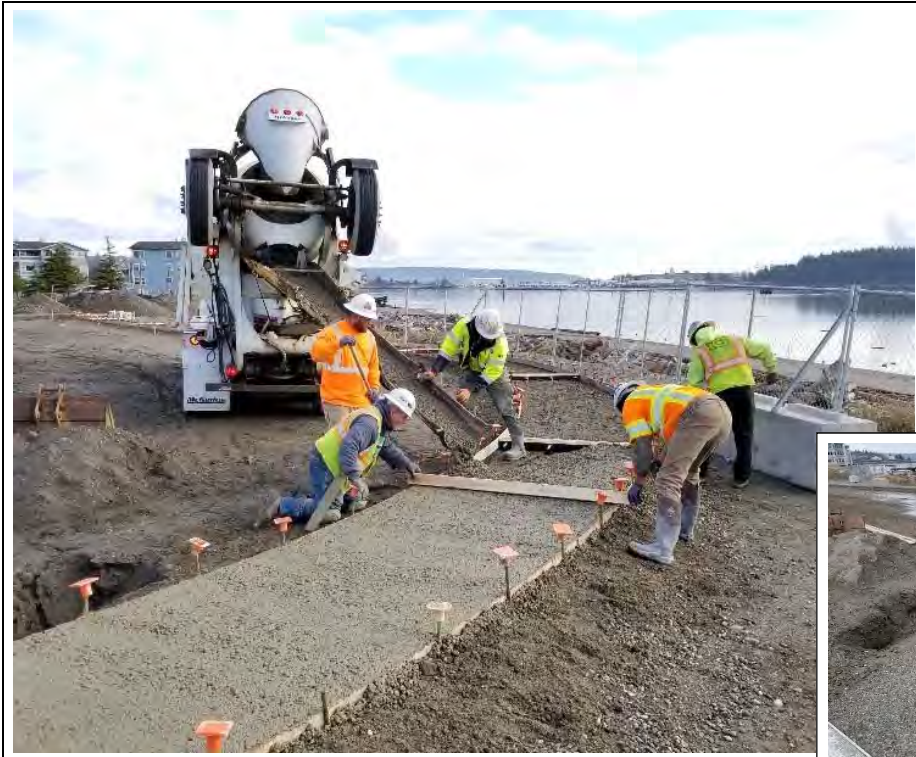


Photo #57

South end of Windjammer Park (looking east) on Monday, January 21st.

Carpenters and laborers for Interwest Construction are placing concrete for a pedestrian walkway along Oak Harbor Bay.



Photo #58

Area 50 Biosolids Building (looking north) on Tuesday, January 22nd.

A worker for D&G Mechanical Insulation is installing aluminum jacketing over matt insulation at biosolids dryer ducts.

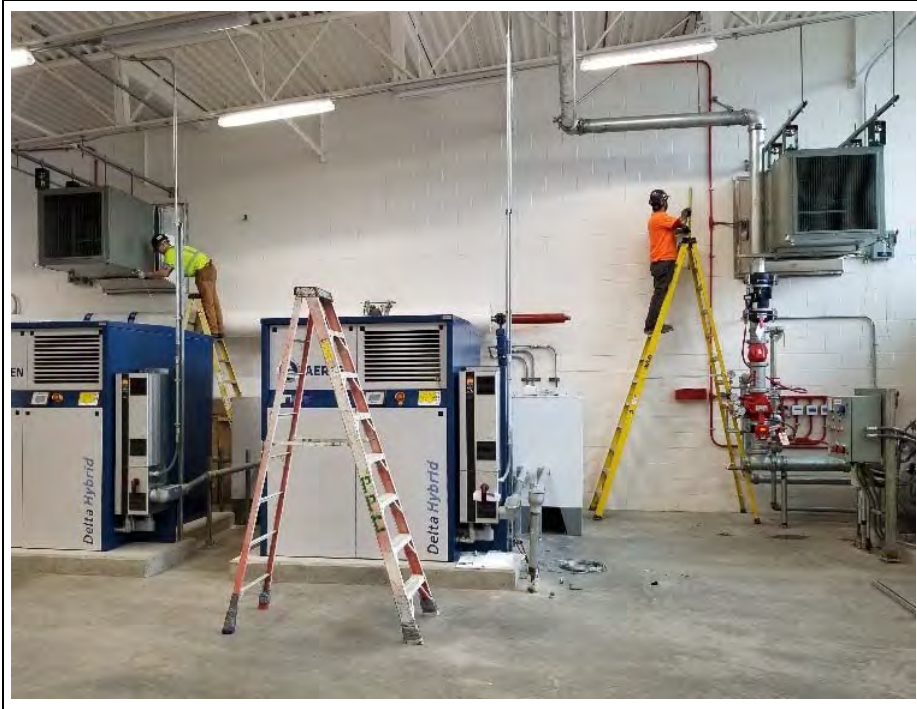


Photo #59

Area 32 Aeration Blower Building (looking west) on Wednesday, January 23rd.

Two sheetmetal workers for Delta Technology Corporation are installing seismic straps and braces on supply fans.



Photo #60

Area 32 Aeration Blower Building (looking west) on Wednesday, January 23rd.

A carpenter for Hoffman is preparing to build formwork and place grout under a baseplate for an equipment mounting stand.



Photo #61

North end of Windjammer Park (looking southwest) on Wednesday, January 23rd.

An operator for Interwest Construction is lifting a City-owned flagpole into place.

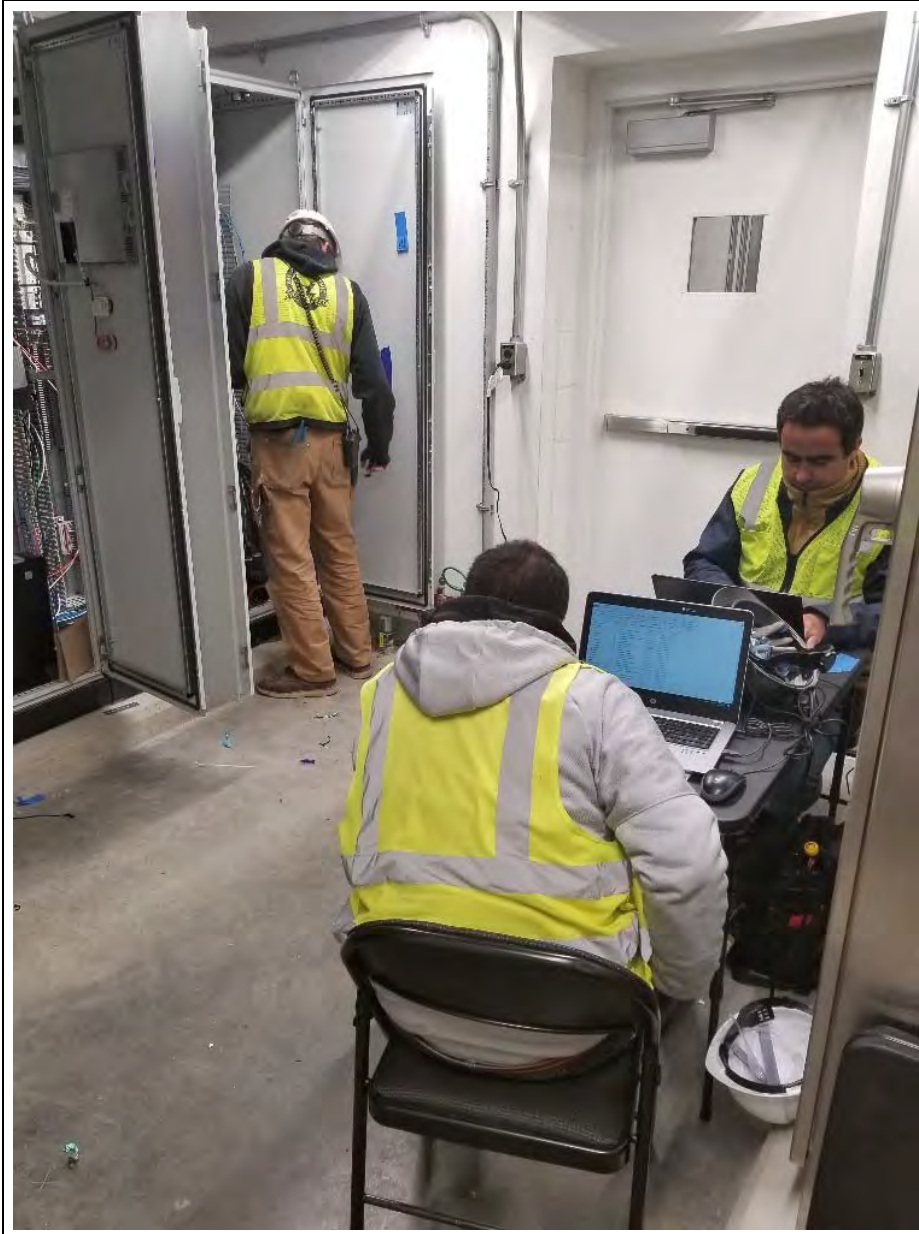


Photo #62

Area 50 Biosolids Building
(looking west in the
control room) on
Wednesday, January 23rd.

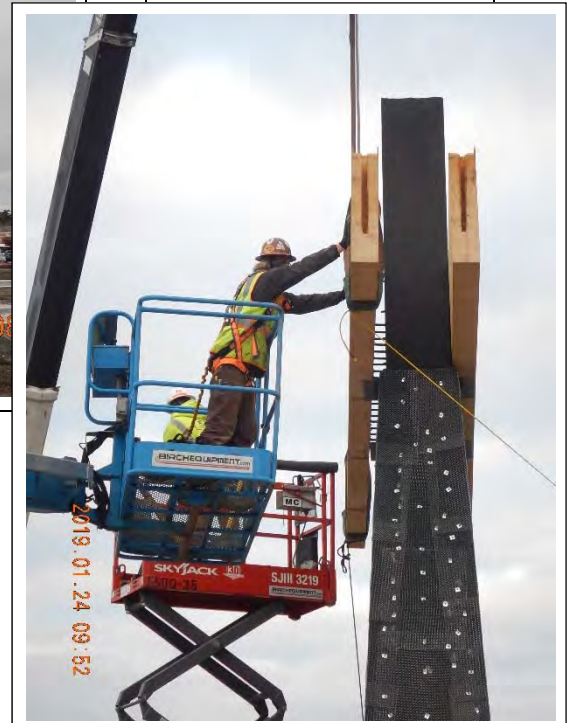
Haarslev engineers
Marcello Velez Uribe
(right) and Jose Alberto
Ruiz (foreground) are
programming software for
the dryer. An electrician
for Valley Electric
(background) is
terminating conductors in
a vendor control panel.



Photo #63

West end of Windjammer Park (looking northwest) on Thursday, January 24th.

Carpenters for P&L General Contractors are utilizing a truck-mounted crane to place glulam beams for the pavilion.



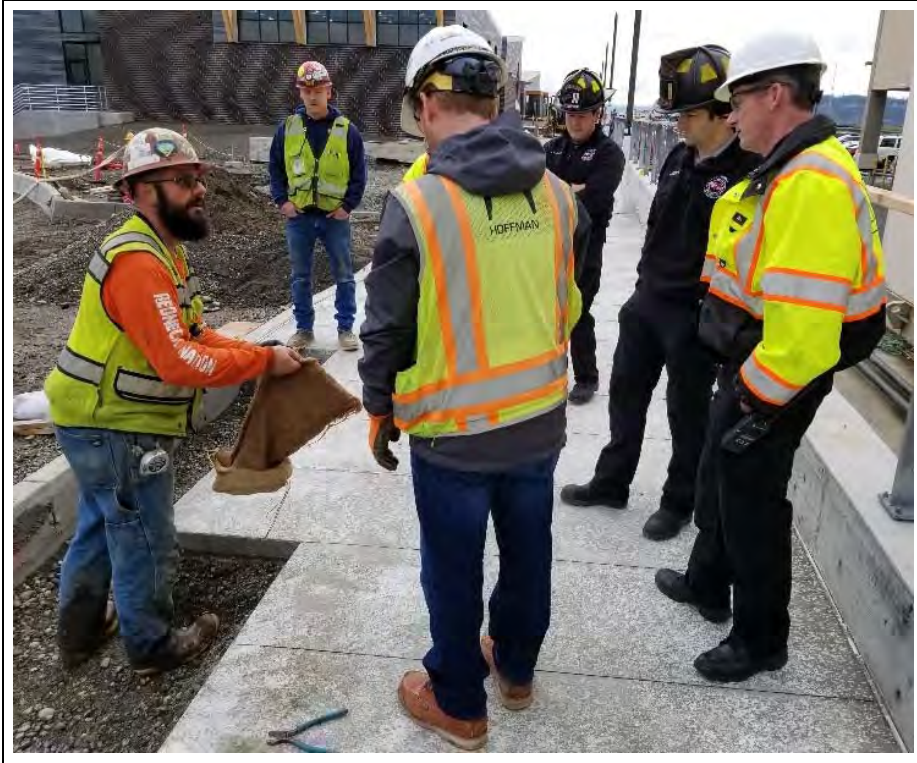


Photo #64

Area north of the Secondary Treatment Building (looking south adjacent to the People's Bank Building) on Thursday, January 24th.

A pipe layer for Interwest Construction (far left) is showing three representatives of the Oak Harbor Fire Department (right) the contents of a burlap bag that was used to catch debris while flushing a fire hydrant.



Photo #65

West end of Windjammer Park (looking northwest) on Friday, January 25th.

Carpenters for P&L General Contractors continue to place glulam beams for the pavilion.



Photo #66

Area north of the lagoon in Windjammer Park (looking west) on Friday, January 25th.

Interwest Construction is installing a catch basin and a sump pump to collect surface water at a low spot and then discharge it to a detention pond next to the administration building.



Photo #67

Area 70 Electrical Building (looking southeast) on January 24th and 25th.

Carpenters for Interwest Construction built forms and placed concrete for a walkway next to an interpretive window.



Photo #68

West side of Windjammer Park (looking northeast along the west side of the pavilion) on Friday, January 25th.

Interwest Construction placed concrete for a pedestrian walkway that makes up part of an entrance to the pavilion.



Photo #69

West side of Windjammer Park (looking northwest at the pavilion) on Monday, January 28th.

A brick mason for Black Rock Masonry is troweling mortar over metal lath to facilitate installation of a basalt rock façade.



Photo #70

South side of Windjammer Park (looking east and west along the shore of Oak Harbor Bay) on Tuesday, January 29th.

Interwest Construction is utilizing a truck-mounted concrete pump and hydraulic actuated boom to place concrete for a pedestrian walkway along the shoreline of Oak Harbor Bay.





Photo #71

Area 01 Administration Building (looking east) on Tuesday, January 29th.

A pipe layer for Interwest Construction, John Pino, is installing a storm water catch basin.



Photo #72

Area 50 Biosolids Building
(looking southeast) on
Wednesday, January 30th.

An insulator for D&G
Mechanical Insulation is
caulking joints between
sections of aluminum
jacketing that covers matt
insulation.



Photo #73

West side of Windjammer Park (looking north at the west kitchen) on Thursday, January 31st.

Carpenters for P&L General Contractors are installing tongue-and-groove decking atop glulam beams at the west kitchen.



Photo #74

West side of Windjammer Park (looking east at parking area near pavilion) on Thursday, January 31st.

Oak Harbor Parks Department representative Hank Nydam (left) and Hoffman superintendent Adam Jorgenson are inspecting newly arrived plantings.



Photo #75

Southeast side of Windjammer Park (looking northwest along the east side of the east kitchen) on Thursday, January 31st.

Carpenters for P&L General Contractors are installing a glulam column.





Photo #76

Southwest side of Windjammer Park (looking northwest) on Thursday, January 31st.

This photo depicts the current status of the west kitchen.



Photo #77

West side of Windjammer Park (looking northwest) on Thursday, January 31st.

This photo depicts the current status of the pavilion.



Photo #78

Area 01 Administration Building (looking east) on Thursday, January 31st.

Whidbey Sign Company (a.k.a. Humphrey Sign Co.) placed signage on buildings.



Photo #79

Area 30 Secondary Treatment Building (looking west) on Thursday, January 31st.

Whidbey Sign Company (a.k.a. Humphrey Sign Co.) placed signage on buildings, including letters as requested by Oak Harbor Fire Department.

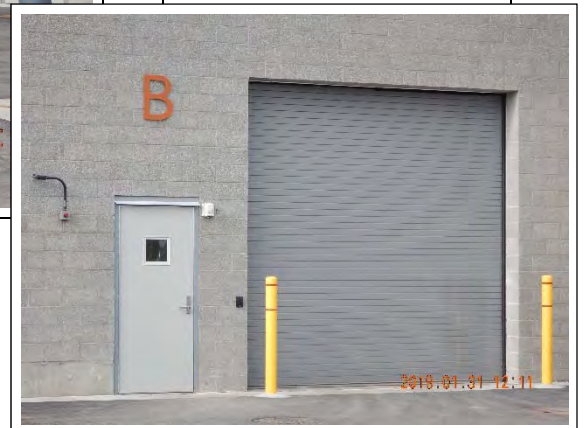




Photo #80

West side of existing City Pump Station (looking south) on Friday, February 1st.

Linemen for Puget Sound Energy's subcontractor, Potelco, are cutting power to the City's existing wastewater pump station so demolition work can begin.



Photo #81

West side of Windjammer Park (looking northwest) on Friday, February 1st.

A landscaper for Pacific Earth Works is planting wetland enhancement plants near the northwest entrance to the park.



Photo #82

Area north of the Area 30 Secondary Treatment Building (looking west) on Friday, February 1st.

Interwest Construction placed concrete for curbs.



Photo #83

Area north of Area 32 Aeration Blower Building (looking Southwest) on Friday, February 1st.

A carpenter for Interwest Construction is finishing concrete for a section of pedestrian walkway.



Photo #84

West end of Windjammer Park (looking northeast at the pavilion) on Friday, February 1st.

A brick mason for Black Rock Masonry, Chris Toms, is placing basalt rock at the pavilion.



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ATTACHMENT A

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CLEAN WATER FACILITY PROJECT FINANCIAL REPORT

Summary Through 1/31/2019 *(before year end accruals)*

REVENUE	FUNDING OBTAINED	FUNDING USED	BALANCE
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	15,553,516.83	13,610,652.67	1,942,864.16
CUMMULATIVE RESERVE	5,000,000.00	-	5,000,000.00
TOTAL REVENUE	152,814,212.13	145,626,347.97	7,187,864.16
EXPENDITURES	CONTRACTED/ESTIMATED BUDGET	PROJECT TO DATE ACTUAL	BALANCE
ACQUISITIONS	3,396,325.69	3,384,440.08	11,885.61
ADMINISTRATION	692,852.01	695,607.13	(2,755.12)
CONSTRUCTION	124,222,645.68	118,160,724.48	6,061,921.20
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	10,948,682.98	10,029,750.45	918,932.53
TOTAL PROJECT EXPENDITURES	148,966,871.44	141,813,870.28	7,153,001.16
CASH SURPLUS (DEFICIT)	3,847,340.69	3,812,477.69	34,863.00
FINANCING/TRANSFERS			
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
TOTAL FINANCING/TSFR	3,847,340.69	3,812,477.69	34,863.00
ESTIMATED CASH REMAINING	0.00	0.00	(0.00)

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 01/31/19	Balance
Loans	97,983,466.00	97,983,466.00	-
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	-
Bonds	25,777,229.30	25,777,229.30	-
2016 Revenue Bonds	25,777,229.30	25,777,229.30	-
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	20,553,516.83	13,610,652.67	6,942,864.16
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	15,322,245.07	13,610,652.67	1,711,592.40
Total Revenue	152,814,212.13	145,626,347.97	7,187,864.16
EXPENDITURES	Estimated Budget	Actual through 01/31/19	Balance
Acquisitions	3,396,325.69	3,384,440.08	11,885.61
Contract			
Fullerton	12,990.00	12,990.00	-
Legal	38,774.97	24,834.72	13,940.25
Misc	15,523.45	15,523.45	-
Property	2,923,824.83	2,923,824.83	-
Rent	402,086.96	404,141.60	(2,054.64)
Supplies	125.48	125.48	-
Utilities	3,000.00	3,000.00	-
Administration	692,852.01	695,607.13	(2,755.12)
IDCA	680,790.04	683,545.16	(2,755.12)
Travel	12,061.97	12,061.97	-
Construction	124,222,645.68	118,160,724.48	6,061,921.20
Contract			
Carollo	1,828,155.00	1,865,111.88	(36,956.88)
Hoffman ⁽¹⁾	114,934,957.09	109,289,321.33	5,645,635.76
Hoffman ⁽²⁾	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	29,019.56	(22,482.21)
Supplies	3,586.45	1,799.52	1,786.93
Travel	18.00	18.00	-
Utilities	299,269.55	360,938.72	(61,669.17)
Finance	258,638.16	291,733.92	(33,095.76)
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)

EXPENDITURES - continued	Estimated Budget	Actual through 01/31/19	Balance
Professional Services - Design	9,447,726.92	9,251,614.22	196,112.70
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	-
Professional Services - Construction	10,948,682.98	10,029,750.45	918,932.53
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		15,750.75	(15,750.75)
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	3,657,431.84	367,381.44
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	7,671.93	(3,592.52)
Monitoring	23,600.00	16,903.93	6,696.07
Total Expenditures - Project #ENG 1609	148,966,871.44	141,813,870.28	7,153,001.16
Estimated Cash Remaining	3,847,340.69	3,812,477.69	34,863.00

FINANCING/TRANSFERS			
Bonds	2,776,377.50	2,776,377.50	-
Interest	2,204,493.03	2,204,493.03	-
Miscellaneous	571,884.47	571,884.47	-
Loans	586,100.19	586,100.19	-
Principal	217,403.38	217,403.38	-
Interest	368,696.81	368,696.81	-
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	3,812,477.69	34,863.00
Surplus (Deficit)	-	-	-

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ATTACHMENT B

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2018

**AUTHORIZATION FOR PAYMENT
OAK HARBOR CLEAN WATER FACILITY**

Date: December 27, 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. CWFC44
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	BARS 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	2,330,714.00		2,330,714.00	117,806.00	95.2%
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	6,143,138.01	4,869.00	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	1,910,974.11	32,059,686.11	31,455,935.29	179,403.82	31,635,339.11	424,347.00	98.7%
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	1,010,868.14	18,945,358.14	18,565,509.73	50,834.64	18,616,344.37	329,013.77	98.3%
GMPA No. 12 CWF Work:	eng1609.con.045	422.30.594.35.6200	3,957,515.00	23,722.46	3,981,237.46	3,859,212.78	85,226.49	3,944,439.27	36,798.19	99.1%
GMPA No. 13 CWF Work:	eng1609.con.047	422.30.594.35.6200	4,580,897.70	(927,643.50)	3,611,911.20	2,024,751.85	162,026.78	2,186,778.63	1,425,132.57	60.5%
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%
Subtotal CWF & Water Dept Work:			87,562,429.70	4,247,922.75	91,810,352.45	88,344,954.68	482,360.73	88,827,315.41	2,983,037.04	96.8%
GMPA No. 13 WJP Work (Sewer):	eng1701.con.170.111	325.10.594.79.6300	5,449,153.30	(17,047.08)	5,432,106.22	2,459,808.35	593,216.56	3,053,024.91	2,379,081.31	56.2%
GMPA No. 13 WJP Work (General):	eng1701.con.170.112	325.10.594.79.6300	3,819,283.00	173,453.52	3,992,736.52	1,764,545.78	374,662.12	2,139,207.90	1,853,528.62	53.6%
Subtotal WJP Work:			9,268,436.30	156,406.44	9,424,842.74	4,224,354.13	967,878.68	5,192,232.81	4,232,609.93	55.1%
Negotiated Support Services CWF:	eng1609.con.032	422.30.594.35.6200	8,339,260.00	-	8,339,260.00	6,823,326.48	89,631.49	6,912,957.97	1,426,302.03	82.9%
Specified General Conditions:	eng1609.con.033	422.30.594.35.6200	2,392,490.00	-	2,392,490.00	2,311,172.00	74,291.00	2,385,463.00	7,027.00	99.7%
Subtotal Work, NSS, and SGC:			107,562,616.00	4,404,329.19	111,966,945.19	101,703,807.29	1,614,161.90	103,317,969.19	8,648,976.00	92.3%

GC/CM Risk Contingency:	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
Owner Risk Contingency:			3,492,360.00	(2,640,969.79)	851,390.21				851,390.21	
Subtotal Contingencies:			1,857,883.00	(1,763,359.40)	94,523.60				94,523.60	
Hoffman Subtotal:			5,350,243.00	(4,404,329.19)	945,913.81				945,913.81	
GC/CM Fee (4.28%) CWF:	eng1609.con.036	422.30.594.35.6200	112,912,859.00		112,912,859.00	101,703,807.29	1,614,161.90	103,317,969.19	9,594,889.81	
GC/CM Fee (4.28%) Water Dept:	NA	401.00.594.34.6300	4,832,668.00		4,832,668.00	4,170,351.10	27,660.92	4,198,012.02	410,658.93	
GC/CM Fee (4.28%) WJP-S:	eng1701.con.036.111	325.10.594.79.6300				1,769.48	-	1,769.48		
GC/CM Fee (4.28%) WJP-G:	eng1701.con.036.112	325.10.594.79.6300				105,279.80	25,389.67	130,669.47		
Contract SUBTOTAL:			117,745,527.00		117,745,527.00	75,522.56	16,035.54	91,558.10	10,005,548.74	91.5%
WA State Sales Tax (8.7%) CWF:	eng1609.con.037	422.30.594.35.6200	10,243,860.85		10,243,860.85	8,839,936.13	58,633.14	8,898,569.27	870,482.74	
WA State Sales Tax (8.7%) Water Dept:	NA	401.00.594.34.6300				3,750.79	-	3,750.79		
WA State Sales Tax (8.7%) WJP-S:	eng1701.con.037.111	325.10.594.79.6300				223,162.66	53,818.74	276,981.40		
WA State Sales Tax (8.7%) WJP-G:	eng1701.con.037.112	325.10.594.79.6300				160,085.95	33,990.70	194,076.65		
TOTAL:			127,989,387.85		127,989,387.85	115,283,665.76	1,829,690.61	117,113,356.37	10,876,031.48	91.5%

CONTRACT AMOUNT

Retainage Adjustment CWF (422):	3,877,814.95	23,493.02	3,901,307.97
Retainage Adjustment WJP (325):	204,834.27	48,915.19	253,749.46
Retainage Adjustment Water Dept (401):	2,155.62	-	2,155.62
Net Payment(s):	111,198,860.92	1,757,282.40	112,956,143.32

PAID TO DATE

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
- Correction from CWFC40 on CWFC41 credit of \$333.16 to GMP#13 CWF and debit to GMP#13 WJP-S.

1/4/19
date

1/11/19
date

1/7/19
date

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

Pay request verified by: *Brett A* signature
Brett Arvidson, Project Engineer

Payment authorized by: *Cathy Rosen* signature
Cathy Rosen, Director of Public Works

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
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
-- Valdez Construction
-- LangCo NW
-- Black Rock Masonry
-- Eastwood Plumbing
Pacific Earthworks, Inc.
Pacific Glass and Door
Pelco 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.
-- Emtk 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 (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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