

Clean Water Facility Project

Monthly Report

July 2018



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



MONTHLY PROGRESS REPORT

July 2018

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

1. EXECUTIVE SUMMARY

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

- Interwest Construction filled and graded on-site earthen material at Windjammer Park (see Photos #1, #9, and #10) and, along with other subcontractors, began to install utilities in the park (see Photos #23 and #31).
- Cascade Natural Gas connected its gas line in SE City Beach Street to the clean water facility and installed a meter (see Photo #22).
- Start-up activities continued. Pump suppliers operated plant drain and sump pumps, utility water pumps (see Photo #5), and return activated sludge (RAS) pumps (see Photo #16).
- University Mechanical continued to assemble a dryer in the biosolids building (see Photos #20 and #34).
- Axiom installed GFRC cladding on the exteriors of buildings (see Photos #11, #17, #18, and #33).
- Delta Corporation installed high plume exhaust fans atop the headworks building (see Photo #30) and continued to install foul air piping and HVAC duct work and fans (see Photos #4 and #7).

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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 July, the total paid to date will be \$103,472,423 (including tax), which makes up 81% of Hoffman's total contract amount. See Section 8, *Pay Request and Contract Status*, for additional information.

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

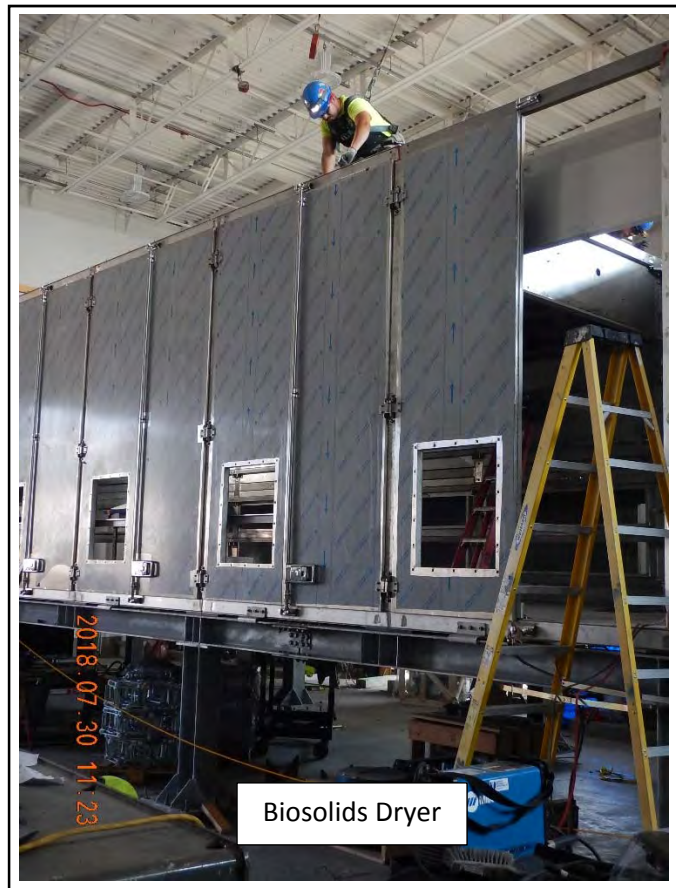
2. INTRODUCTION

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

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

Alternative Public Works Contracting.

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



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

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

Notes:

1. Outfall replacement costs are not included in construction expenditures. See Attachment A, *Project Financial Report*, for additional information.
2. GMPA No. 13 is 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. At a Council workshop on July 25th, the City Council decided to build the west kitchen (\$982,107) and the pavilion structure (\$587,145), which are already included in GMPA No. 13. Preconstruction services are complete.

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

SCADA System Development. Periodically during the month of July, systems integration engineers for Carollo Engineers (i.e., Jeff Janowiak and Elise Moore) were on site installing communications equipment in network panels at the electrical, headworks, and administration buildings. Almost all of the SCADA equipment is on site and has been installed.

Start-up Activities. On July 10th, a representative from *Granich Engineered Products* operated three utility water pumps (see Photo #5). On July 19th, a representative from *Whitney Equipment Company* operated three RAS pumps (see Photo #16). On July 14th and 21st, a representative of APSCO operated three pairs of sump pumps and three WAS pumps. On July 25th, Carollo Engineers conducted electronic operation and maintenance manual (EOM) training for City treatment plant operators. Also on July 25th, representatives from the City, Hoffman, and Carollo visited a wastewater treatment plant in Coupeville and made preliminary arrangements to obtain "seed" sludge for the clean water facility. The system integrators from Carollo Engineers were on-site several times to facilitate start-up of motor control centers, perform loop testing associated with PCM-ABRW, and help a subcontractor terminate fiber optic and category 6 (CAT-6) communication cables in network panels. Hoffman continued to conduct weekly start-up coordination meetings with its subcontractors and Carollo Engineers.

GMPA No. 1 – MBR System and UV Disinfection Equipment (procurement) and Engineering Support. Work on this GMPA is approximately 83% complete. Ultraviolet reactors, membrane cassettes, and all other MBR and UV system equipment have been delivered to the job site. Testing, training, and commissioning remain to be completed before this GMPA is deemed complete.

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

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

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

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

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

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

GMA No. 8 – Area 20 and Remainder of Area 30 Concrete Work. Work on this GMPA is approximately 98% complete. Hoffman Structures repaired minor imperfections in concrete floors in the secondary treatment building and placed concrete for a pad for an air handling unit at headworks.

GMPA No. 9 – Mechanical, Electrical, and Process Systems. Work on this GMPA is approximately 93% complete. Valley Electric installed conduits and conductors for chemical pumps, solenoid valves, flow switches, a fire alarm system, and other equipment in the secondary treatment building and in the gallery under the secondary treatment building (see Photo #28). Valley Electric installed conduits, conductors, and disconnect switches for supply fans on the roof of the secondary treatment and headworks buildings. Valley Electric installed conduits and conductors for motor-driven actuators associated with slide gates and fine screens in the headworks building. Valley Electric pulled conductors for a project control module and installed luminaires in the electrical and control rooms in the headworks building. Valley Electric terminated conductors at process control module PCM-MBRUV in the electrical building. Valley Electric installed conduits and conductors for air handling and compressor units located in the generator yard. Valley Electric continued to install conduits, conductors, and electrical equipment in the administration building including luminaires and emergency lighting fixtures. Valley Electric installed conductors and cables for a Honeywell building automation system. Valley Electric and Integrity Networks pulled conductors and communication cables, respectively, between floor boxes in the interpretive center. Valley Electric installed exterior light fixtures at the administration building. Valley Electric installed a duct bank between an electrical manhole and a not-yet-installed access gate at the east entrance to the clean water facility. Valley Electric installed a transformer for an air compressor in the maintenance building. Valley Electric installed a motor control center for the biosolids dryer and vendor control panels and disconnect switches for centrifuges in the biosolids building. Integrity Networks continued to install, terminate, and test fiber optic and communication cables at network panels, process control modules, and at other equipment in the administration, biosolids, and headworks buildings. Rockwell Automation programmed motor starters in motor control centers in the electrical and headworks buildings. EC Electric installed conduits and conductors for HVAC equipment in the administration building. University Mechanical continued to install chemical pumping systems and utility water and high-pressure air piping systems in the secondary treatment building and in the gallery under the secondary treatment building. University Mechanical installed seismic bracing for suspended piping systems. University Mechanical modified the utility water piping system for the RAS pumps. University Mechanical installed a manual bar screen and slide gate stems, pedestals (see Photo #25), and motor-driven actuators (see Photo #27) at the headworks building. University Mechanical installed pipe supports and pump guide rails in the influent pump station wetwell. University Mechanical continued to install a fine screens washer/compactor and a grit washer. University Mechanical continued to install dryer equipment in the biosolids building (see Photos #12, #20, and #24). Delta Corporation continued to install fiber reinforced plastic (FRP) foul air



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pipng and HVAC ductwork and equipment in the secondary treatment building (see Photo #4) and the headworks building (see Photo #7). Delta Corporation installed aluminum exhaust plenums and dampers at openings in the north wall of the secondary treatment building. Delta Corporation installed high plume exhaust fans atop the headworks building (see Photos #29 and #30). Delta Corporation continued to install HVAC ductwork, fans, and other HVAC equipment in the administration, electrical, and biosolids buildings.

GMPA No. 10 – Concrete, Stone Columns, Compaction Grouting, and Shoring for Non-process Structures. Work on this GMPA is 99% complete. Interwest Construction built formwork and placed reinforcing steel concrete for a slab-on-grade for a covered storage area between the administration and maintenance buildings.

GMPA No. 11 – Superstructure Construction. Work on this GMPA is approximately 91% complete. Hoffman Structures installed tongue-and-groove wood decking under canopies at the administration (see Photos #8 and #24), maintenance, biosolids, and secondary treatment buildings. University Mechanical continued to install plumbing and HVAC equipment including bathroom fixtures in the administration and maintenance buildings. Steelkorr continued to install aluminum tread plates over channels and a grit vortex chamber in the headworks building. Steelkorr installed handrails on a stairway in the northeast corner of the secondary treatment building and on a stairway to the grit gallery in the headworks building. Steelkorr installed handrails on concrete entrance ramps at the administration building. Steelkorr installed stainless steel baffles in membrane tanks (see Photo #14). Steelkorr welded stiffeners to open web joists in the headworks buildings to further support rooftop fans. Delta Corporation installed HVAC ductwork in the laboratory in the administration building. Shinn Mechanical pressure tested fire sprinkler piping systems in the administration and secondary treatment buildings. The pressure tests were witnessed by a representative of the Oak Harbor Fire Department. Shinn Mechanical installed fire sprinkler piping under a mezzanine in the biosolids building. Pacific Glass installed window frames and windows in the administration, headworks, and secondary treatment (see Photo #19) buildings. Penington Painting Company (Penington) painted utility water piping atop aeration basins and WAS storage tanks, window openings in the aeration blower and electrical buildings, and a dryer feed hopper and its augers in the biosolids building. Penington painted secondary influent piping in the gallery under the secondary treatment building (see Photo #13). Penington caulked around clearstory windows in the secondary treatment building and around window and door frames in the administration and electrical buildings. Penington painted window and door frames, a laboratory, and the entrance to the interpretive center in the administration building. Axiom installed metal furring, glass-fiber reinforced concrete (GFRC) cladding, flashing, gutters, and downspouts on the upper exteriors of the administration, maintenance, biosolids (see Photos #17 and #33), headworks (see Photos #11 and #18), and secondary treatment buildings. Brandsen Hardwood Floors (Brandsen) installed rubber flooring and carpeting (see Photo #15) in several rooms in the administration building. DeaMor installed skylights atop openings in the roof of the headworks building (see Photo #30).

GMPA No. 12 – Odor Control System. Work on this GMPA is approximately 77% complete. University Mechanical began installing PVC process piping inside the odor control structure (see Photo #21). Finishers for Hoffman Structures repaired imperfections on the exterior walls of the odor control structure to facilitate installation of a steel screen wall.

GMPA No. 13 – Civil Site Work. Work on this portion of GMPA No. 13 is approximately 15% complete. On July 10th, Interwest Construction connected a new 8-inch fire water pipeline to an existing City potable water pipeline at SW Beeksma Drive (see Photo #3) and later hydrotested and flushed the fire water pipeline (see Photo #26). Interwest Construction excavated a trench in SE City Beach Street to facilitate installation of a gas line connection and a meter by Cascade Natural Gas (see Photo #22). Interwest Construction began grading an “inner yard” area between the administration, maintenance, and biosolids buildings and the aeration basins and headworks. Interwest Construction built formwork and placed reinforcing steel and concrete for a yard ribbon curb (see Photo #32). Interwest Construction installed an 18-inch storm drain pipeline adjacent to the west side of the aeration blower and electrical buildings (see Photo #35).

GMPA No. 13 – Windjammer Park Improvements. Work on this portion of GMPA No. 13 is approximately 15% complete. At a meeting on July 11th, a representative of Turnstone Construction presented a preliminary mock-up of a splash park (see Photo #6). Interwest Construction demolished existing asphalt at the old Staysail RV Park. Interwest Construction continued to fill, compact, and grade on-site earthen material at the east and west ends of the park (see Photos #1, #9, and #10). Interwest Construction installed an 8-inch water line at the east end of the park parallel to SE City Beach Street and 4-inch through 12-inch sanitary sewer and storm drain pipelines and manholes at the southwest end of the park (see Photo #23). Pacific Earth Works and Valley Electric began installing irrigation system piping (see Photo #31) and electrical conduits for light poles, respectively, at the west end of the park.

4. QUALITY ASSURANCE

Two inspectors for the City's subconsultant, KBA, performed full-time inspection. Special inspectors for KBA's subconsultant, *GeoTest*, performed part-time specialty inspection on an as-requested basis. Representatives from Hoffman performed part-time inspection on a daily basis. Hoffman conducted daily quality assurance meetings with its subcontractors and with the KBA inspectors. Hoffman conducted a weekly quality assurance meeting with its subcontractors, the KBA inspectors, and a Resident Engineer from Carollo. Archaeologists from ERCI were on-site during excavation work looking for cultural resources. Inspectors for *State Department of Labor & Industries* inspected electrical work on an as-requested basis. An electrical engineer from Carollo Engineers, Matthew Tevebaugh, was on site on July 23rd and 24th to inspect process electrical work. City Building Inspector Scott King was on site on July 25th to inspect the suspended ceiling in the administration building. Oak Harbor Fire Department representatives Ray Merrill and Mike Buxton were on site on July 12th, 18th, and 26th to inspect fire sprinkler piping and witness fire water pipeline hydrotesting and flushing (see Photo #26). Inspectors produced written daily reports that were filed on the City's server. KBA conducted a coordination meeting on July 19th with City Building Official Scott King and representatives from Hoffman and Carollo.

5. DOCUMENT TRACKING

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

| Table 5.1 Document Tracking | July 2018 | | Project to Date | |
|--------------------------------|-----------------|-------------------|-----------------|-------------------|
| | Number Received | Number of Reviews | Number Received | Number of Reviews |
| Submittals | 29 | 30 | 1,336 | 1,336 |
| Requests for Information | 41 | 40 | 1,180 | 1,161 |

6. PUBLIC OUTREACH

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

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

7. SAFETY

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

- Manhours worked to date: 445,000
- Recordable injuries to date: 10
- Lost time injuries to date: 2
- Average number of craft workers on site: 110

8. PAY REQUEST AND CONTRACT STATUS

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

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

Notes:

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

Construction phase services. Hoffman submitted a progress payment application for the month of June 2018, for \$4,543,927 (including sales tax). The progress payment application was reviewed and processed in July. See Attachment B, *Authorization for Payment*, for additional information. Total applications for payment to date for construction phase services through June are \$99,839,755 representing 78.0% 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⁽¹⁾ | Current Guaranteed Maximum Price | Total Payments to Date | Remaining Balance |
|--|--|--|---|---------------------------------------|------------------------------|
| GMPA No. 1 Work: | 2,448,520 | 0 | 2,448,520 | 2,004,205 | 444,316 |
| GMPA No. 2 Work: | 1,427,000 | 5,642 | 1,432,642 | 1,432,642 | 0 |
| GMPA No. 3 Work: | 627,347 | (199,915) | 427,432 | 292,799 | 134,633 |
| GMPA No. 4 Work: | 3,919,735 | 235,558 | 4,155,293 | 4,155,293 | 0 |
| GMPA No. 5 Work: | 1,879,205 | 0 | 1,879,205 | 1,446,990 | 432,215 |
| GMPA No. 6 Work: | 2,565,820 | (331,379) | 2,234,441 | 2,231,945 | 2,496 |
| GMPA No. 7 Work: | 6,239,185 | 25,680 | 6,264,865 | 6,144,802 | 120,063 |
| GMPA No. 8 Work: | 7,024,188 | 774,391 | 7,798,579 | 7,593,544 | 205,035 |
| GMPA No. 9 Work: | 30,148,712 | 1,611,849 | 31,760,561 | 28,620,457 | 3,140,104 |
| GMPA No. 10 Work: | 4,809,815 | 1,551,820 | 6,361,635 | 6,361,635 | 0 |
| GMPA No. 11 Work: | 17,934,490 | 817,789 | 18,752,279 | 16,167,510 | 2,584,770 |
| GMPA No. 12 Work: | 3,957,515 | 11,275 | 3,968,790 | 2,744,282 | 1,224,508 |
| GMPA No. 13 Work (CWF): | 4,580,898 | (850,000) | 3,730,898 | 357,537 | 3,373,361 |
| GMPA No. 13 Work (WJP): | 9,268,436 | 29,023 | 9,297,459 | 414,995 | 8,882,463 |
| Negotiated Support Services | 8,339,436 | 0 | 8,339,436 | 6,170,763 | 2,168,497 |
| Specified General Conditions | 2,392,490 | 0 | 2,392,490 | 1,939,717 | 452,773 |
| Subtotal | 107,562,616 | 3,681,732 | 111,244,348 | 88,079,115 | 23,165,233 |
| GC/CM's Risk Contingency | 3,492,360 | (2,032,650) | 1,459,710 | | 1,459,710 ⁽²⁾ |
| Owner's Risk Contingency | 1,875,883 | (1,649,082) | 208,801 | | 208,801 ⁽²⁾ |
| Subtotal | 5,350,243 | (3,681,732) | 1,668,511 | | 1,668,511 |
| GC/CM fee (4.28%) | 4,832,668 | 0 | 4,832,668 | 3,769,786 | 1,062,882 |
| Subtotal | 117,745,527 | 0 | 117,745,527 | 91,848,901 | 25,896,626 |
| State Sales Tax (8.7%) | 10,243,861 | 0 | 10,243,861 | 7,990,854 | 2,253,006 |
| Total | 127,989,388 | 0 | 127,989,388 | 99,839,755 | 28,149,633 |

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 July. 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 June are indicated below in Tables 9.1 and 9.2.

| Table 9.1 GC/CM Risk Contingency | GC/CM's Original Risk Contingency ⁽³⁾ | Previous Adjustments | Adjustments this Past Month | GC/CM's Current Risk Contingency ⁽¹⁾⁽²⁾ |
|---|--|-------------------------|--------------------------------|--|
| GC/CM Risk Contingency | 3,492,360 | (1,951,608) | (81,042) | 1,459,710 |

| Table 9.2 Owner Design Contingency | Owner's Original Design Contingency ⁽⁴⁾ | Previous Adjustments | Adjustments this Past Month | Owner's Current Design Contingency ⁽¹⁾⁽²⁾ |
|---|--|-------------------------|--------------------------------|--|
| Owner Design Contingency | 1,857,883 | (1,649,083) | 0 | 208,801 |

Notes:

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

Cost change memorandums. Hoffman prepares a cost change memorandum (CCM) to request the City's written consent to use its own risk contingency or the owner's design contingency to cover those costs that are deemed reimbursible in accordance with Section 2.2.4.1 of the *Standard Form of Agreement Between Owner and Construction Manager as Constructor*. The City has reviewed and approved a total of 328 CCMs through July 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 July.

Table 9.3 – Cost Change Memorandums

| <u>CCM</u> | <u>Description</u> | <u>Transfer</u> | <u>Amount⁽¹⁾</u> |
|------------|-------------------------------|--|-----------------------------|
| 332.1 | Caulking at Interior Windows | From GC/CM risk contingency to GMPA #11 | \$ 12,090 |
| 331.1 | Flashing for Window Jams | From GC/CM risk contingency to GMPA #11 | \$ 432 |
| 441 | Cable Gland Connections | From GC/CM risk contingency to GMPA #9 | \$ 6,157 |
| 456 | Canopy Roofing Thickness | From GC/CM risk contingency to GMPA #11 | \$ 270 |
| 461 | Door Hardware Change | From owner contingency to GMPA #11 | \$ 6,231 |
| 467 | Control Wires for Slide Gates | From GC/CM risk contingency to GMPA #9 | \$ 10,629 |
| 471 | Biosolids Dryer Piping | From GC/CM risk contingency to GMPA #9 | \$11,300 |
| 480 | AHU control power | From GC/CM risk contingency to GMPA #11 | \$ 11,078 |
| 481 | Quick Coupler Piping | From owner contingency to GMPA #11 | \$ 5,863 |
| 483.1 | Canopy Soffit Attachment | From GC/CM risk contingency to GMPA #11 | \$ 2,264 |
| 485 | Generator Remote Start | From owner contingency to GMPA #9 | \$ 1,116 |
| 488 | XFMR Conductor Sizes | From owner contingency to GMPA #9 | \$ 2,273 |
| 489 | Delete Rebar in Park Curb | From GMPA #13 to owner contingency | \$14,781 |
| 500 | Piping for Splash Park | Draw from GMPA #13 Splash Park Allowance | \$25,000 |
| 500 | Piping for Splash Park | From GC/CM risk contingency to GMPA #13 | \$4,950 |

Note:

1. Excluding profit and tax.

10. CHANGE ORDERS

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

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

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

| Table 10.1 Change Orders | Original GMPA | Previous Change Orders | Change Orders this Month | Current GMPA ⁽¹⁾ |
|-------------------------------------|---------------|------------------------|--------------------------|-----------------------------|
| GMPA No. 1 | 2,553,317 | 0 | 0 | 2,553,317 |
| GMPA No. 2 | 1,991,249 | 0 | 0 | 1,991,249 |
| GMPA No. 3 | 836,130 | -202,630 | 0 | 633,500 |
| GMPA No. 4 | 5,109,549 | 202,630 | 0 | 5,312,179 |
| GMPA No. 5 | 2,028,222 | 0 | 0 | 2,028,222 |
| GMPA No. 6 | 3,966,503 | 0 | 0 | 3,966,503 |
| GMPA No. 7 | 9,335,968 | 0 | 0 | 9,335,968 |
| GMPA No. 8 | 10,824,756 | 0 | 0 | 10,824,756 |
| GMPA No. 9 | 33,265,589 | 0 | 0 | 33,265,589 |
| GMPA No. 10 | 5,373,040 | 0 | 0 | 5,373,040 |
| GMPA No. 11 | 22,023,790 | 0 | 0 | 22,023,790 |
| GMPA No. 12 | 4,353,876 | 0 | 0 | 4,353,876 |
| GMPA No. 13 – 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.

Table 10.1 – Overall Project Schedule

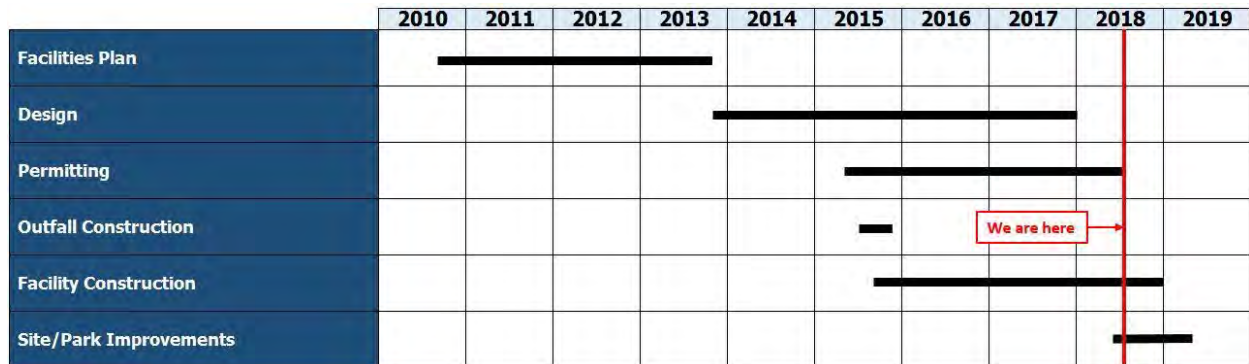
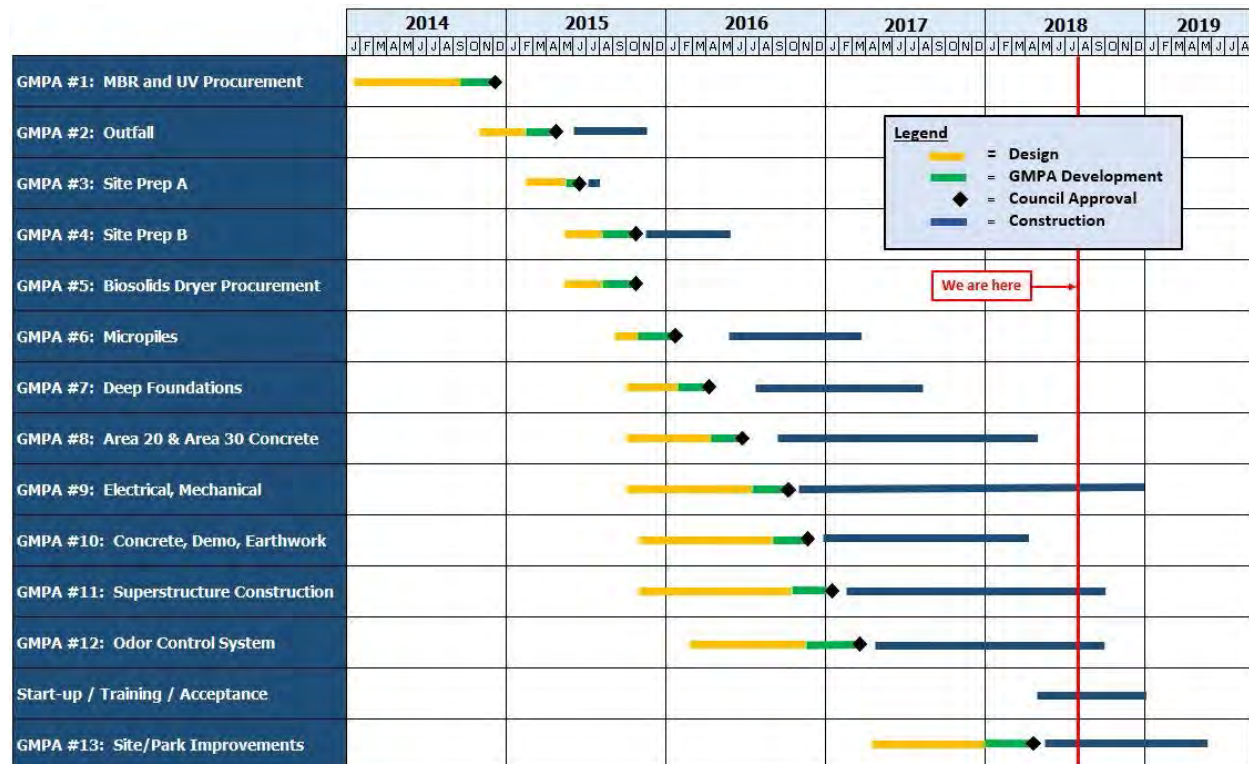


Table 10.2 – Construction Schedule



12. PHOTOGRAPHS

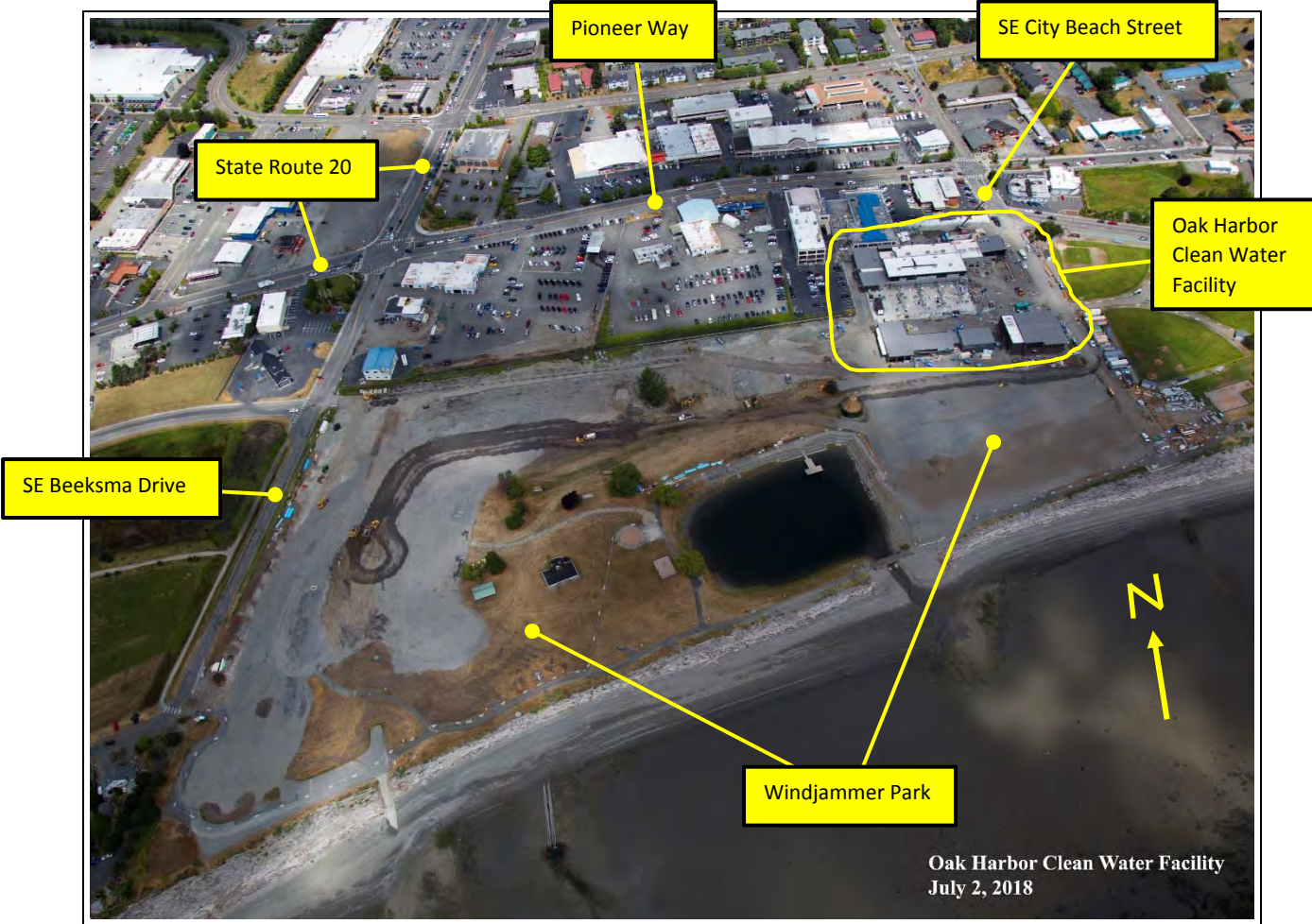


Photo #1

Aerial photo of Windjammer Park and the Clean Water Facility job site (looking north) on July 2nd, 2018, six weeks after demolition work at Windjammer Park began.

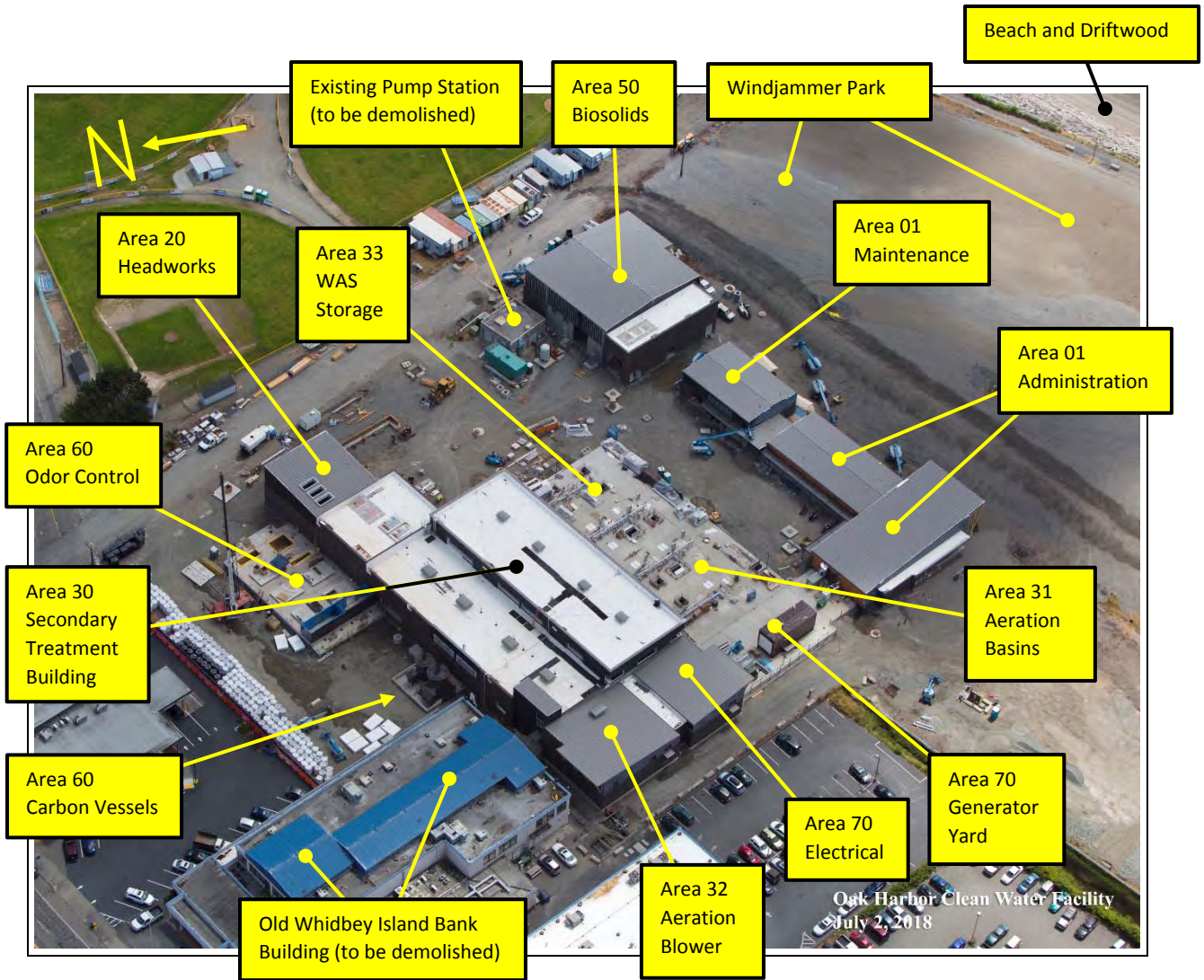


Photo #2

Aerial photo of the Clean Water Facility job site (looking southeast) on July 2nd, 2018.



Photo #3

Windjammer Park adjacent to Beeksma Drive (looking west) on Monday, July 9th.

An operator (left) and a laborer for Interwest Construction are assembling 8-inch PVC pipe and ductile-iron fittings.

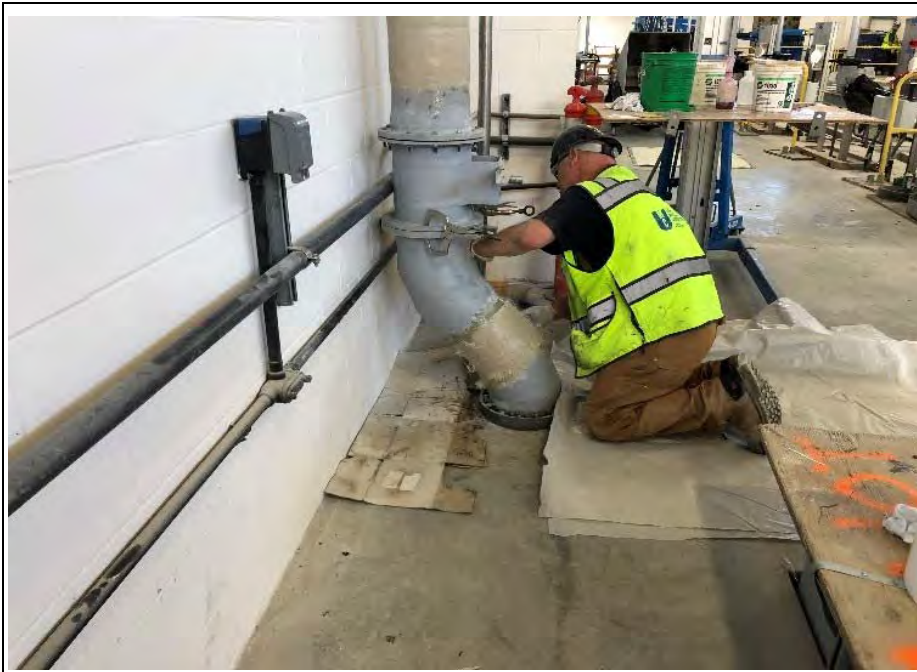


Photo #4

Area 30 Secondary Treatment Building (looking west) on Tuesday, July 10th.

A sheet metal worker for Delta Corporation is installing fiber reinforced plastic (FRP) foul air piping.



Photo #5

Area 38 Utility Water (looking west) on Tuesday, July 10th.

A technician for Granich Engineered Products is operating a valve on the discharge side of a utility water pump to facilitate equipment testing.



Photo #6

Inside the old Whidbey Island Bank Building on Wednesday, July 11th.

A representative of Turnstone Construction, John Fulford, presents an interim mock-up of a splash park for Windjammer Park.



Photo #7

Area 20 Headworks
(looking southeast) on
Wednesday, July 11th.

A sheet metal worker for
Delta Corporation is
installing a supply fan.



Photo #8

Area 01 Administration Building (looking northwest) on Thursday, July 12th.

A carpenter for Hoffman Structures is installing Alaskan yellow cedar decking inside the interpretive center.



Photo #9

North end of Windjammer Park (looking west) on Friday, July 13th.

Interwest Construction is utilizing an excavator to re-use on-site earthen material.



Photo #10

North end of Windjammer Park (looking west) on Friday, July 13th.

Interwest Construction is utilizing a dozer to spread on-site earthen material.



Photo #11

Area 30 Secondary Treatment (looking northwest) on Friday, July 13th.

Sheet metal workers for Axiom are installing metal "Z" furring, which will support glass fiber reinforced concrete (GFRC) cladding.



Photo #12

Area 50 Biosolids (looking northeast) on Friday, July 13th.

This photo depicts the current status of the biosolids dryer.



Photo #13

Gallery under Area 30 Secondary Treatment Building (looking southwest) on Tuesday, July 17th.

A painter for Penington Painting is applying a finish coat to a 36-inch ductile-iron secondary influent piping system.



Photo #14

Area 34 Membrane Bioreactor (looking southwest) on Wednesday, July 18th.

Ironworkers for Steellkorr installed stainless steel baffles in the membrane tanks.



Photo #15

Area 01 Administration Building (looking northeast) on Thursday, July 19th.

A soft floor layer for Brandsen Flooring is installing carpet at the yard entrance.



Photo #16

Area 35 RAS/WAS Pumping (looking southeast) on Thursday, July 19th.

Left and bottom: Whitney Equipment Company field service technician Dan Kelley (white hard hat) checks a RAS pump for vibration as pipefitters for University Mechanical facilitate operation of the pump.





Photo #17

Area 50 Biosolids Building (looking west) on Friday, July 20th.

Sheet metal workers for Axiom are installing glass-fiber reinforced concrete (GFRC) cladding.



Photo #18

Area 20 Headworks (looking southwest) on Friday, July 20th.

Sheet metal workers for Axiom are installing a standing seam metal roof atop a canopy.



Photo #19

Area 30 Secondary Treatment Building (looking north) on Friday, July 20th.

Glaziers for Pacific Glass are installing windows.



Photo #20

Area 50 Biosolids Building
(looking southeast) on
Friday, July 20th.

This photo depicts the
current status of the
biosolids dryer.



Photo #21

Area 60 Odor Control
(looking southeast) on
Friday, July 27th.

A pipefitter for University
Mechanical is installing
PVC process piping in the
odor control structure.



Photo #22

Area 50 Biosolids Building
(looking southwest) on
Friday, July 20th.

Workers for Cascade
Natural Gas are installing
a meter.



Photo #23

Southwest corner of Windjammer Park (looking south) on Friday, July 20th.

Interwest Construction is excavating a trench for a 6-inch sanitary sewer line that will serve a future maintenance building.



Photo #24

Area 01 Administration Building (looking north) on Monday, July 23rd.

Carpenters for Hoffman Structures are installing Alaskan yellow cedar decking under a canopy at the main entrance to the administration building.



Photo #25

Area 20 Headworks
(looking northwest) on
Monday, July 23rd.

Pipefitters for University
Mechanical are installing a
pedestal around a stem
for a slide gate at the
entrance to a course
screen channel. An
actuator will be mounted
atop the pedestal.



Photo #26

Area adjacent to southeast corner of WAS storage tanks (looking northeast) on Monday, July 24th.

A laborer for Interwest Construction (left) is showing the City's fire marshal, Ray Merrill, the contents of a burlap bag that was used to catch debris that was flushed from a fire water pipeline.



Photo #27

Area 20 Headworks
(looking northeast) on
Wednesday, July 25th.

A pipefitter for University
Mechanical is installing a
motor-operated actuator
for a slide gate in a fine
screen channel.

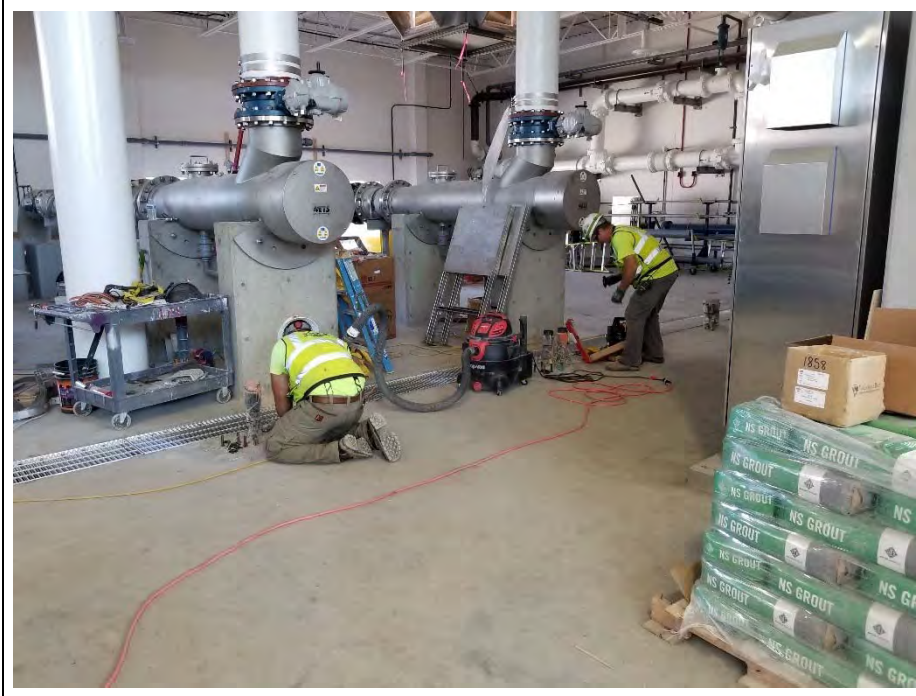


Photo #28

Area 30 Secondary Treatment Building (looking northeast) on Wednesday, July 25th.

Electricians for Valley Electric are drilling holes to facilitate installation of equipment mounting stands for disconnect switches. Ultraviolet reactors are seen in the background.

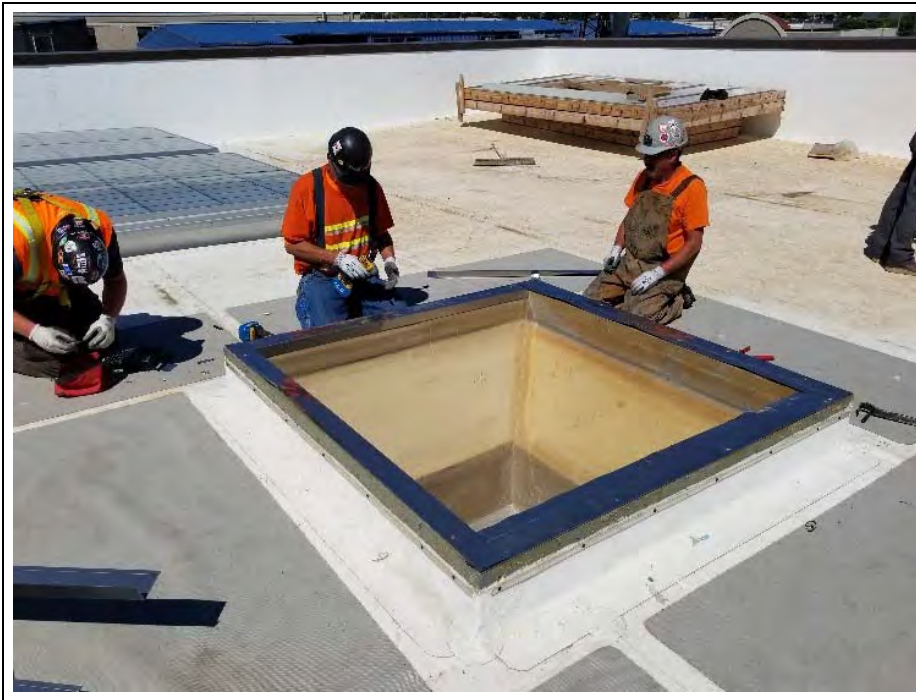


Photo #29

Area 20 Headworks (looking northeast) on Wednesday, July 25th.

Sheet metal workers for Delta Corporation are installing flashing atop a roof curb that will support a high plume fan (see Photo #30).



Photo #30

Area 20 Headworks (looking northeast) on Thursday, July 26th.

Left: Hoffman is utilizing an all-terrain crane to set a high plume exhaust fan into place as sheet metal workers for Delta Corporation get ready to guide the fan into place.

Below: High plume exhaust fans after installation.



Pink Reclaimed
Water Pipeline



Photo #31

Windjammer Park (looking north) on Friday, July 27th.

Pacific Earth Works is excavating a trench for a 6-inch reclaimed water pipeline, which is pink in color to identify its use.



Photo #32

Area 31 Aeration Basins (looking west) on Friday, July 27th.

A laborer for Interwest Construction is troweling concrete for a yard ribbon curb.



Photo #33

Area 50 Biosolids (looking southeast) on Friday, July 27th.

Sheet metal workers for Axiom are installing flashing atop glass-fiber reinforced concrete (GFRCladding).



Photo #34

Area 50 Biosolids Building (looking northeast) on Friday, July 27th.

This photo depicts the current status of the biosolids dryer.



Photo #35

Area adjacent to the west side of the Aeration Blower Building (looking south) on Friday, July 27th.

Interwest Construction is installing an 18-inch storm drain pipeline.

Bottom: A technician for Cascade Natural Gas is wrapping an existing gas line with wax tape.

ATTACHMENT A

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CLEAN WATER FACILITY PROJECT FINANCIAL REPORT

Summary Through 7/31/2018

| REVENUE | FUNDING OBTAINED | FUNDING USED | BALANCE |
|----------------------|-------------------------|-----------------------|----------------------|
| SRF LOANS | 97,983,466.00 | 92,309,516.47 | 5,673,949.53 |
| BONDS | 25,777,229.30 | 21,263,459.82 | 4,513,769.48 |
| GRANTS | 8,500,000.00 | 8,255,000.00 | 245,000.00 |
| PROGRAM INCOME | 14,928,779.30 | 5,723,332.81 | 9,205,446.49 |
| CUMMULATIVE RESERVE | 5,000,000.00 | - | 5,000,000.00 |
| TOTAL REVENUE | 152,189,474.60 | 127,551,309.10 | 24,638,165.50 |

| EXPENDITURES | CONTRACTED/ESTIMATED BUDGET | PROJECT TO DATE ACTUAL | BALANCE |
|--------------------------------------|------------------------------------|-------------------------------|----------------------|
| ACQUISITIONS | 3,396,325.69 | 3,363,769.82 | 32,555.87 |
| ADMINISTRATION | 692,852.01 | 599,111.32 | 93,740.69 |
| CONSTRUCTION | 124,269,508.95 | 103,198,221.54 | 21,071,287.41 |
| FINANCE | 258,638.16 | 216,172.66 | 42,465.50 |
| PROFESSIONAL SERVICES - DESIGN | 9,447,726.92 | 9,423,878.79 | 23,848.13 |
| PROFESSIONAL SERVICES - CONSTRUCTION | 10,277,082.18 | 7,745,339.72 | 2,531,742.46 |
| TOTAL PROJECT EXPENDITURES | 148,342,133.91 | 124,546,493.85 | 23,795,640.06 |
| CASH SURPLUS (DEFICIT) | 3,847,340.69 | 3,004,815.25 | 842,525.44 |

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

| | | | |
|---------------------------------|-------------|----------|-------------|
| ESTIMATED CASH REMAINING | 0.00 | - | 0.00 |
|---------------------------------|-------------|----------|-------------|

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 7/31/2018 | Balance |
|--|-------------------------|-------------------------------------|----------------------|
| Loans | 97,983,466.00 | 92,309,516.47 | 5,673,949.53 |
| 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 | 23,450,351.47 | 5,673,949.53 |
| Bonds | 25,777,229.30 | 21,263,459.82 | 4,513,769.48 |
| 2016 Revenue Bonds | 25,777,229.30 | 21,263,459.82 | 4,513,769.48 |
| Grants | 8,500,000.00 | 8,255,000.00 | 245,000.00 |
| 2016 Forgivable Principal Grant #00240 | 463,154.00 | 463,154.00 | - |
| 2016 Centennial Grant #00240 | 4,586,846.00 | 4,586,846.00 | - |
| 2015 Legislative Capital Grant | 2,450,000.00 | 2,205,000.00 | 245,000.00 |
| Rural Economic Dev .09 Grant | 1,000,000.00 | 1,000,000.00 | - |
| City Cash | 19,928,779.30 | 5,723,332.81 | 14,205,446.49 |
| System Development Fees | 5,000,000.00 | | 5,000,000.00 |
| City Reserves | 14,928,779.30 | 5,723,332.81 | 9,205,446.49 |
| Total Revenue | 152,189,474.60 | 127,551,309.10 | 24,638,165.50 |
| EXPENDITURES | Estimated Budget | Actual through 7/31/2018 | Balance |
| Acquisitions | 3,396,325.69 | 3,363,769.82 | 32,555.87 |
| Contract | | | |
| Fullerton | 12,990.00 | 12,990.00 | - |
| Legal | 38,774.97 | 15,388.72 | 23,386.25 |
| Misc | 15,523.45 | 15,523.45 | - |
| Property | 2,923,824.83 | 2,923,824.83 | - |
| Rent | 402,086.96 | 393,667.34 | 8,419.62 |
| Supplies | 125.48 | 125.48 | - |
| Utilities | 3,000.00 | 2,250.00 | 750.00 |
| Administration | 692,852.01 | 599,111.32 | 93,740.69 |
| IDCA | 680,790.04 | 587,049.35 | 93,740.69 |
| Travel | 12,061.97 | 12,061.97 | - |
| Construction | 124,269,508.95 | 103,198,221.54 | 21,071,287.41 |
| Contract | | | |
| Carollo | 1,828,155.00 | 1,235,971.54 | 592,183.46 |
| Hoffman ⁽¹⁾ | 114,981,820.36 | 97,477,694.81 | 17,504,125.55 |
| Hoffman ⁽²⁾ | 6,485,578.30 | 4,054,500.00 | 2,431,078.30 |
| PSE | 568,742.77 | 99,626.22 | 469,116.55 |
| Equipment | 80,828.85 | | 80,828.85 |
| Materials | 14,972.32 | 14,972.32 | - |
| Misc | 6,537.35 | 24,928.97 | (18,391.62) |
| Supplies | 3,586.45 | 1,627.03 | 1,959.42 |
| Travel | 18.00 | 18.00 | - |
| Utilities | 299,269.55 | 288,882.65 | 10,386.90 |
| Finance | 258,638.16 | 216,172.66 | 42,465.50 |
| Audit | 16,823.70 | 11,823.70 | 5,000.00 |
| Contract | | | |
| Katy Isaksen | 17,940.00 | 9,880.00 | 8,060.00 |
| PFM | 125,000.00 | 90,717.74 | 34,282.26 |
| Financing | 98,796.98 | 103,673.74 | (4,876.76) |
| Misc | 77.48 | 77.48 | - |

Notes:

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

CLEAN WATER FACILITY PROJECT FINANCIAL REPORT

Expanded Detail

(ALL COSTS - EXCEPT OUTFALL AND FACILITY PLAN)

| EXPENDITURES - continued | Estimated Budget | Actual through 7/31/2018 | Balance |
|---|-------------------------|-------------------------------------|----------------------|
| Professional Services - Design | 9,447,726.92 | 9,423,878.79 | 23,848.13 |
| Advertising | 15,984.39 | 15,984.39 | - |
| Contract | | | - |
| Carollo | 7,672,145.46 | 7,496,177.16 | 175,968.30 |
| Christensen | 10,000.00 | 115,168.41 | (105,168.41) |
| ERCI | 269,127.83 | 333,069.52 | (63,941.69) |
| Hoffman | 781,766.00 | 779,621.07 | 2,144.93 |
| KBA | - | - | - |
| OAC | 47,624.55 | 47,624.55 | - |
| Perkins Coie | 55,251.84 | 55,251.84 | - |
| RSR | 128,304.00 | 128,304.00 | - |
| Equipment | 7,860.42 | 7,860.42 | - |
| Food | 1,453.79 | 1,453.79 | - |
| Materials | 4,745.09 | 4,745.09 | - |
| Misc | 3,702.23 | 3,702.23 | - |
| Monitoring | 13,285.38 | 12,954.38 | 331.00 |
| Permit | 435,872.47 | 421,358.47 | 14,514.00 |
| Supplies | 361.60 | 361.60 | - |
| Utilities | 241.87 | 241.87 | - |
| Professional Services - Construction | 10,277,082.18 | 7,745,339.72 | 2,531,742.46 |
| Advertising | 13,688.53 | 14,422.99 | (734.46) |
| Contract | | | - |
| Carollo | 5,505,213.25 | 3,646,744.47 | 1,858,468.78 |
| C2G | 15,000.00 | 6,176.70 | 8,823.30 |
| ERCI | 1,112,002.15 | 1,004,998.54 | 107,003.61 |
| Gary Goltz | 70,500.30 | 16,133.73 | 54,366.57 |
| KBA | 3,481,613.28 | 3,023,285.40 | 458,327.88 |
| OAC | 7,855.45 | 7,855.45 | - |
| Perkins Coie | 43,208.16 | 5,911.31 | 37,296.85 |
| Food | 321.65 | 131.72 | 189.93 |
| Misc | 4,079.41 | 4,079.41 | - |
| Monitoring | 23,600.00 | 15,600.00 | 8,000.00 |
| Total Expenditures - Project #ENG 1609 | 148,342,133.91 | 124,546,493.85 | 23,795,640.06 |
| Estimated Cash Remaining | 3,847,340.69 | 3,004,815.25 | 842,525.44 |

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

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ATTACHMENT B

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AUTHORIZATION FOR PAYMENT OAK HARBOR CLEAN WATER FACILITY

Date: June 29, 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. CWFC38
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 | 2,004,204.50 | | 2,004,204.50 | 444,315.50 | 81.9% |
| GMPA No. 2 Outfall Work: | eng1609.con.018 | 422.30.594.35.6310 | 1,427,000.00 | 5,641.79 | 1,432,641.79 | 1,432,641.79 | | 1,432,641.79 | - | 100.0% |
| GMPA No. 3 CWF Work: | eng1609.con.019 | 422.30.594.35.6200 | 627,347.00 | (199,914.78) | 427,432.22 | 292,799.34 | | 292,799.34 | 134,632.88 | 68.5% |
| GMPA No. 4 CWF Work: | eng1609.con.021 | 422.30.594.35.6200 | 3,919,735.00 | 235,558.47 | 4,155,293.47 | 4,155,293.47 | | 4,155,293.47 | 0.00 | 100.0% |
| GMPA No. 5 CWF Work: | eng1609.con.022 | 422.30.594.35.6200 | 1,879,205.00 | - | 1,879,205.00 | 1,353,029.85 | 93,960.25 | 1,446,990.10 | 432,214.90 | 77.0% |
| GMPA No. 6 CWF Work: | eng1609.con.023 | 422.30.594.35.6200 | 2,565,820.00 | (331,379.32) | 2,234,440.68 | 2,231,944.84 | | 2,231,944.84 | 2,495.84 | 99.9% |
| GMPA No. 7 CWF Work: | eng1609.con.024 | 422.30.594.35.6200 | 6,239,185.00 | 25,679.70 | 6,264,864.70 | 6,138,294.98 | 6,506.53 | 6,144,801.51 | 120,063.19 | 98.1% |
| GMPA No. 8 CWF Work: | eng1609.con.007 | 422.30.594.35.6200 | 7,024,188.00 | 774,390.52 | 7,798,578.52 | 7,521,025.34 | 72,518.22 | 7,593,543.56 | 205,034.96 | 97.4% |
| GMPA No. 9 CWF Work: | eng1609.con.008 | 422.30.594.35.6200 | 30,148,712.00 | 1,611,849.29 | 31,760,561.29 | 27,028,803.29 | 1,591,654.00 | 28,620,457.29 | 3,140,104.00 | 90.1% |
| GMPA No. 10 CWF Work: | eng1609.con.009 | 422.30.594.35.6200 | 4,809,815.00 | 1,551,819.83 | 6,361,634.83 | 6,276,741.78 | 84,893.05 | 6,361,634.83 | - | 100.0% |
| GMPA No. 11 CWF Work: | eng1609.con.042 | 422.30.594.35.6200 | 17,934,490.00 | 817,789.06 | 18,752,279.06 | 14,775,237.27 | 1,392,272.28 | 16,167,509.55 | 2,584,769.51 | 86.2% |
| GMPA No. 12 CWF Work: | eng1609.con.045 | 422.30.594.35.6200 | 3,957,515.00 | 11,274.96 | 3,968,789.96 | 2,437,511.78 | 306,770.00 | 2,744,281.78 | 1,224,508.18 | 69.1% |
| GMPA No. 13 CWF Work: | eng1609.con.047 | 422.30.594.35.6200 | 4,580,897.70 | (850,000.00) | 3,730,897.70 | 193,550.00 | deduct 163,987.16 | 357,537.16 | 3,373,360.54 | 9.6% |
| Subtotal CWF Work: | | | 87,562,429.70 | 3,652,709.52 | 91,215,139.22 | 75,841,078.23 | 3,712,561.49 | 79,553,639.72 | 11,661,499.50 | |
| GMPA No. 13 WJP Work (Sewer): | eng1701.con.170.111 | 325.10.594.79.6300 | 5,449,153.30 | 29,022.64 | 5,478,175.94 | 323,288.64 | deduct 91,706.84 | 414,995.48 | 5,063,180.46 | 7.6% |
| GMPA No. 13WJP Work (General): | eng1701.con.170.112 | 325.10.594.79.6300 | 3,819,283.00 | - | 3,819,283.00 | - | - | - | 3,819,283.00 | 0.0% |
| Subtotal WJP Work: | | | 9,268,436.30 | 29,022.64 | 9,297,458.94 | 323,288.64 | 91,706.84 | 414,995.48 | 8,882,463.46 | 7.6% |
| Negotiated Support Services CWF: | eng1609.con.032 | 422.30.594.35.6200 | 8,339,260.00 | - | 8,339,260.00 | 6,040,647.85 | 130,114.78 | 6,170,762.63 | 2,168,497.37 | 74.0% |
| Specified General Conditions: | eng1609.con.033 | 422.30.594.35.6200 | 2,392,490.00 | - | 2,392,490.00 | 1,865,426.00 | 74,291.00 | 1,939,717.00 | 452,773.00 | 81.1% |
| Subtotal Work, NSS, and SGC: | | | 107,562,616.00 | 3,681,732.16 | 111,244,348.16 | 84,070,440.72 | 4,008,674.11 | 88,079,114.83 | 23,165,233.33 | 79.2% |

GMP#13 will not be charged to Dept. of Ecology (shown as deduct)

| | Project Number | BARS Number | Original GMPA Amount | Adjustments ⁽¹⁾ | Current GMPA Amount | Total Paid to Date | Current Payment Request | Total Paid to Date | Remaining Balance | Percent Complete |
|----------------------------------|---------------------|--------------------|-----------------------|----------------------------|-----------------------|----------------------|-------------------------|----------------------|----------------------|------------------|
| GC/CM Risk Contingency: | | | 3,492,360.00 | (2,032,649.90) | 1,459,710.10 | | | | 1,459,710.10 | |
| Owner Risk Contingency: | | | 1,857,883.00 | (1,649,082.26) | 208,800.74 | | | | 208,800.74 | |
| Subtotal Contingencies: | | | 5,350,243.00 | (3,681,732.16) | 1,668,510.84 | | | | 1,668,510.84 | |
| Hoffman Subtotal: | | | 112,912,859.00 | | 112,912,859.00 | 84,070,440.72 | 4,008,674.11 | 88,079,114.83 | 24,833,744.17 | |
| GC/CM Fee (4.28%) CWF: | eng1609.con.036 | 422.30.594.35.6200 | 4,832,668.00 | | 4,832,668.00 | 3,584,378.10 | 167,646.20 | 3,752,024.30 | 1,062,881.90 | |
| GC/CM Fee (4.28%) WJP-S: | eng1701.con.036.111 | 325.10.594.79.6300 | | | | 13,836.75 | deduct 3,925.05 | 17,761.80 | | |
| GC/CM Fee (4.28%) WJP-G: | eng1701.con.036.112 | 325.10.594.79.6300 | | | | - | - | - | | |
| Contract SUBTOTAL: | | | 117,745,527.00 | | 117,745,527.00 | 87,668,655.57 | 4,180,245.36 | 91,848,900.93 | 25,896,626.07 | 78.0% |
| WA State Sales Tax (8.7%) CWF: | eng1609.con.037 | 422.30.594.35.6200 | 10,243,860.85 | | 10,243,860.85 | 7,597,843.12 | 355,361.38 | 7,953,204.50 | 2,253,006.47 | |
| WA State Sales Tax (8.7%) WJP-S: | eng1701.con.037.111 | 325.10.594.79.6300 | | | | 29,329.91 | deduct 8,319.97 | 37,649.88 | | |
| WA State Sales Tax (8.7%) WJP-G: | eng1701.con.037.112 | 325.10.594.79.6300 | | | | - | - | - | | |
| TOTAL: | | | 127,989,387.85 | | 127,989,387.85 | 95,295,828.60 | 4,543,926.71 | 99,839,755.31 | 28,149,632.54 | 78.0% |

Notes:

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

2. Percentage allocations reflected between projects ENG1609 (CWF) and 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.

3. CWF = Clean Water Facility
GMPA = Guaranteed Maximum Price Amendment

CONTRACT AMOUNT

PAID TO DATE

| | | | |
|---------------------------------|----------------------|---------------------|----------------------|
| Retainage Adjustment CWF (422): | 3,358,735.71 | 147,858.44 | 3,506,594.15 |
| Retainage Adjustment WJP (325): | 16,856.27 | 3,881.59 | 20,737.86 |
| Net Payment(s): | 91,920,236.62 | 4,392,186.68 | 96,312,423.30 |

PAY THIS AMOUNT

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

_____ date

Pay request verified by: Brett Arvidson, Project Engineer _____
signature

_____ date

Payment authorized by: Joe Stowell, City Engineer _____
signature

_____ date

SEE NEXT PAGE FOR APPROVAL

| | Project Number | BARS Number | Original GMPA Amount | Adjustments ⁽¹⁾ | Current GMPA Amount | Total Paid to Date | Current Payment Request | Total Paid to Date | Remaining Balance | Percent Complete |
|----------------------------------|---------------------|--------------------|-----------------------|----------------------------|-----------------------|----------------------|-------------------------|----------------------|----------------------|------------------|
| GC/CM Risk Contingency: | | | 3,492,360.00 | (2,032,649.90) | 1,459,710.10 | | | | 1,459,710.10 | |
| Owner Risk Contingency: | | | 1,857,883.00 | (1,649,082.26) | 208,800.74 | | | | 208,800.74 | |
| Subtotal Contingencies: | | | 5,350,243.00 | (3,681,732.16) | 1,668,510.84 | | | | 1,668,510.84 | |
| Hoffman Subtotal: | | | 112,912,859.00 | | 112,912,859.00 | 84,070,440.72 | 4,008,674.11 | 88,079,114.83 | 24,833,744.17 | |
| GC/CM Fee (4.28%) CWF: | eng1609.con.036 | 422.30.594.35.6200 | 4,832,668.00 | | 4,832,668.00 | 3,584,378.10 | 167,646.20 | 3,752,024.30 | 1,062,881.90 | |
| GC/CM Fee (4.28%) WJP-S | eng1701.con.036.111 | 325.10.594.79.6300 | | | | 13,836.75 | 3,925.05 | 17,761.80 | | |
| GC/CM Fee (4.28%) WJP-G: | eng1701.con.036.112 | 325.10.594.79.6300 | | | | - | - | - | | |
| Contract SUBTOTAL: | | | 117,745,527.00 | | 117,745,527.00 | 87,668,655.57 | 4,180,245.36 | 91,848,900.93 | 25,896,626.07 | 78.0% |
| WA State Sales Tax (8.7%) CWF: | eng1609.con.037 | 422.30.594.35.6200 | 10,243,860.85 | | 10,243,860.85 | 7,597,843.12 | 355,361.38 | 7,953,204.50 | 2,253,006.47 | |
| WA State Sales Tax (8.7%) WJP-S: | eng1701.con.037.111 | 325.10.594.79.6300 | | | | 29,329.91 | 8,319.97 | 37,649.88 | | |
| WA State Sales Tax (8.7%) WJP-G: | eng1701.con.037.112 | 325.10.594.79.6300 | | | | - | - | - | | |
| TOTAL: | | | 127,989,387.85 | | 127,989,387.85 | 95,295,828.60 | 4,543,926.71 | 99,839,755.31 | 28,149,632.54 | 78.0% |

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
GMPA = Guaranteed Maximum Price Amendment

CONTRACT AMOUNT

Revised Retainage amts--see pg 2

PAID TO DATE

| | | | |
|---------------------------------|----------------------|-----------------------|----------------------|
| Retainage Adjustment CWF (422): | 3,358,735.71 | 146,058.44 | 3,504,794.15 |
| Retainage Adjustment WJP (325): | 16,856.27 | 5,681.59 | 22,537.86 |
| Net Payment(s): | 91,920,236.62 | 4,392,186.68 | 96,312,423.30 |

147,858.44
3,881.59

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

Daniel Williams
signature

7/12/18
date

Pay request verified by:
Brett Arvidson, Project Engineer

Brett Arvidson
signature

7/13/18
date

Payment authorized by:

Cathy Rosen
Cathy Rosen, Public Works Director
signature

7/30/18
date

PAY THIS AMOUNT

CWF RETAINAGE BREAKDOWN:

| | | | |
|---|----------------|----------------|----------------|
| Total of Hoffman Contract Subtotal from above: | 87,668,655.57 | 4,180,245.36 | 91,848,900.93 |
| Less Valley Electric covered by Retainage Bond 422: | (8,681,341.00) | (1,061,571.00) | (9,742,912.00) |
| Less Valley Electric covered by Retainage Bond 325: | - | (18,000.00) | (18,000.00) |
| Less ST Fabrication covered by Retainage Bond: | (3,542,166.60) | (65,873.79) | (3,608,040.39) |
| 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 Pellco Completed Sub-Contract: | (1,434,376.78) | | (1,434,376.78) |
| Contract Amount for 5% Retainage Calculation: | 67,511,838.60 | 3,034,800.57 | 70,546,639.17 |
| Retainage (5%) on Total Earned to date: | 4,383,432.83 | 209,012.27 | 4,592,445.10 |
| Less Valley Electric covered by Retainage Bond 422: | (434,067.05) | (53,078.55) | (487,145.60) |
| Less Valley Electric covered by Retainage Bond 325: | - | (900.00) | (900.00) |
| Less ST Fabrication covered by Retainage Bond 422: | (177,108.33) | (3,293.69) | (180,402.02) |
| 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 Pellco Retainage Released 05/15/18: | (71,718.84) | - | (71,718.84) |
| Retainage Adjustment: | 3,375,591.98 | 151,740.03 | 3,527,332.01 |

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

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

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

Carollo Engineers

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

- MWA Architects
- Greenworks
- Enviroissues

Hoffman Construction Company

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

KBA

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

- GeoTest Services
- Oxford Engineering (cost validation)

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

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

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

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