TOWN OF FRIDAY HARBOR
Post Office Box 219 • Friday Harbor, Washington 98250
(360) 378 - 2810 • www.fridayharbor.org

AGENDA

TOWN COUNCIL

Thursday, June 4, 2026 at 12:00 PM

Town Council Chambers - 60 Second Street

Zoom Webinar:https://us02web.zoom.us/j/86062582578 ~ Meeting ID: 860 6258 2578

Vision: *Honoring our past while building a thriving and sustainable future.*
Mission: *To preserve and enhance our unique island community known for its small town, rural atmosphere, and natural beauty. To sustain a vital downtown that enriches the business community, honors history, celebrates the arts, and preserves our natural environment.*

Call to Order / Roll Call / Flag Salute

Set Agenda / Announcements

Public Comment

Consent Agenda

- Resolutions

  Resolution No. 3024 — Authorizing a contract with FCS Group, Inc. for water, sewer, and stormwater utility rate studies.

- Minutes

  May 21, 2026, Regular Business Meeting

  May 21, 2026, Special Meeting with the Port of Friday Harbor

- Payments and Claims

Item	Type	Warrant #	EFT #	Dated	Amount
1	Utility Billing Refund	63561-63562		4/23/2026	$ 208.88
2	Payroll	20292-20298	DFT796-800 and Direct Deposit 31	4/30/2026	$ 397,986.02
3	Claims	63637-63654		5/14/2026	$ 138,440.04
4	Claims	63655-63690		5/21/2026	$ 232,511.42
5	Payroll	20299-20305	DFT828-832 and Direct Deposit 32	5/31/2026	$ 377,323.49

Action and Discussion Items

- Grant Application for Washington State and Local Cybersecurity Grant Program for Water, Wastewater, and Critical Infrastructure Cyber Resilence Project. Presented by Chief Technology Officer Paul King.
- Friday Harbor Arts Commission (FHAC) Annual Report, Presented by Executive Assistant Julie Greene.
- Wellness Program Annual Report. Presented by Executive Assistant Julie Greene.
- Resolution No. 3026 — Authorizing the Wastewater Treatment Plant Improvement Project Change Orders No. 4, 5, 6, and 7. Presented by Public Works Director Mike Liptack
- Resolution No. 3027 — Authorizing a consultant Agreement with Heather Lee to provide a comprehensive operational assessment for the Finance Department. Presented by Town Administrator Denice Kulseth

Director Reports

San Juan County Update

Administrator's Report

Public Comment

Future Agenda Items

Adjourn

RESOLUTION NO. 3024

A RESOLUTION BY THE COUNCIL OF THE TOWN OF FRIDAY HARBOR AUTHORIZING THE MAYOR TO EXECUTE AN AGREEMENT BETWEEN THE TOWN OF FRIDAY HARBOR AND FINANCIAL CONSULTING SOLUTIONS GROUP, INC., TO CONDUCT UTILITY RATE STUDIES FOR WATER, SEWER, AND STORMWATER UTILTIES.

WHEREAS, the Town of Friday Harbor has a need to update the 2024 water and sewer utility rate studies adopted by Resolution No. 2855 on June 6, 2024; and

WHEREAS, the Town needs to include a rate study for stormwater in the scope of work; and

WHEREAS, the consulting firm of Financial Consulting Solutions Group, Inc., has offered to provide said study for an amount not to exceed $62,930.00; and

WHEREAS, it is the opinion of the Town Council that this is a responsible proposal from a qualified firm;

NOW, THEREFORE, BE IT RESOLVED by the Council of the Town of Friday Harbor that the Mayor is hereby authorized and directed to execute an agreement in the amount not to exceed $62,930.00.00 with Financial Consulting Solutions Group, Inc., for utility rate studies for water, sewer, and stormwater utilities.

The agreement, contract provisions, scope of work/task plan, and fee schedule is attached hereto.

DULY PASSED AND ADOPTED this 4th day of June 2026.

TOWN OF FRIDAY HARBOR

_____
Evan Perrollaz, Mayor

SEAL of the
Town of Friday Harbor
ATTEST:

_____
Jennifer M. Krembs, Town Clerk

CONTRACT AGREEMENT

BETWEEN

FCS, a Bowman company	**AND**	**Town of Friday Harbor**
Redmond Town Center		60 Second Street
7525 – 166th Ave. NE, Suite D-215		PO Box 219
Redmond, Washington 98052		Friday Harbor, WA 98250

PROJECT: 2026 Utility Rate Study Update

THIS AGREEMENT combines all understandings between the Parties regarding professional services for the Project named above and supersedes all prior proposals, quotations, solicitations, negotiations, representations, agreements or understandings, whether written or oral.

The performance of the professional services herein described and authorized by the **Town of Friday Harbor** as well as payment for such services, shall be in accordance with the terms and conditions presented in this Agreement and the following Sections and Exhibits which are attached and incorporated by reference which, taken together, shall constitute the whole Agreement.

Section I	-	**Relationship of the Parties**
Section II	-	**Contract Provisions**
Exhibit A	-	**Scope of Work and Task Plan**
Exhibit B	-	**Fee Schedule**

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals this _____ day of _____, 20_____.

APPROVED:

FCS, a Bowman company

_____

Sergey Tarasov

Principal

Date: 06/03/2026

APPROVED:

Town of Friday Harbor

_____

Evan Perrollaz

Mayor

Date: _____

ATTEST:

_____

SECTION I: RELATIONSHIP OF THE PARTIES

The **Town of Friday Harbor** ("Client"), desires to perform utility rate studies for its water, sewer and stormwater utilities ("Project"). In furtherance of the Project, the Client hereby contracts with **FCS, a Bowman company** ("FCS") to perform the professional services described in Exhibit A of this Agreement. All services shall be performed under the joint supervision of the Client's Representative, Denice Kulseth, or a designee or designees identified in writing to FCS by the Client's Representative.

This Agreement shall inure to the benefit of and be binding upon successors, assigns, and legal representatives of each of the Parties hereto. Any assignment or transfer of an interest in this Agreement by either Party without the written consent of the other shall be void.

SECTION II: CONTRACT PROVISIONS

1. Scope of Work: FCS shall perform the service for the Client which as defined in Exhibit A of this Agreement.

2. Contract Term: The Scope of Work for the conduct of the study as set forth above is anticipated to be completed by FCS within the time frame specified below:

Notice to Proceed: On signature of Contract Agreement by both Parties

Contract Term: Contract shall expire March 31, 2027

FCS agrees to perform the work described in the Scope of Work according to the contract schedule. Any delays shall be agreed upon by FCS and Client prior to the due date. Changes in the schedule caused by Client delays may require additional compensation and a change order.

If FCS is delayed in the performance of services by conditions which are beyond their control, or by a change in the scope of work, the schedule showing time of performance may be revised. Any revision thereto shall be submitted in writing to the Client for review and approval by the Client Representative. If FCS's services are temporarily suspended by the Client in the interest of the Project and with written notice to FCS, and the suspensions last longer than 90 consecutive days, FCS shall be compensated for any additional labor and direct expenses incurred due to the interruption and resumption of services.

3. Payment: FCS will be paid by the Client under the following terms:

Time and Materials: FCS will be paid by Client on a time and materials basis in accordance with the standard billing rates attached hereto as Exhibit B. Direct expenses will be charged as identified in Exhibit B. FCS agrees to perform the services as set forth in Exhibit A at a cost not to exceed $62,930. It is understood that FCS will not exceed this amount without Client's prior written authorization. Payment to FCS for services set forth in Exhibit A shall be: an amount equal to FCS's standard billing rates as set forth in Exhibit B multiplied by the actual hours worked in the period.

Should any unforeseen project delays, not caused by FCS, and/or any requested amendments to the original scope of work, cause this contract to extend more than 90 days past the original contracted schedule date, any work and/or amendments to the work shall be billed at the standard billing rates in effect for the period of time the work is being performed. If said change in billing rates will cause the project to exceed the amount stated in the preceding paragraph, a change order will be prepared and signed by both parties.

FCS will invoice Client monthly and payment shall be made within 30 days of receipt of invoice.

4. Supplemental Agreements: Supplemental Agreements may be entered into upon mutual written agreement that would increase or decrease the scope and associated costs and payment.

5. Work to be Accomplished: All work accomplished will be performed under the direction of the Client Representative or his/her Designee.

6. Termination: This contract may be terminated by the Client by giving FCS written notice of such termination no fewer than fifteen (15) days in advance of the effective date of said termination. FCS shall be entitled to terminate this agreement only in the case of a material breach by the Client, and upon failure of the Client to remedy said breach within fifteen (15) days of said notice. In the event that the contract is terminated before completion, FCS shall be paid for the services to date on the basis set forth in Paragraph 3, plus 10% of the total compensation earned to time of termination to compensate for FCS's rescheduling adjustments, reassignment of personnel, and related costs incurred due to termination. The Client shall notify FCS of termination or abandonment in writing.

7. Indemnity & Insurance: FCS shall comply with all Federal Government, State and local laws and ordinances applicable to the work to be done under this Agreement.

FCS hereby agrees to hold the Client harmless from and shall process and defend at its own expense, specific claims, demands or suits at law or equity, arising from FCS's negligent performance of the provisions of this Agreement; provided that if the Client and FCS are concurrently negligent, FCS shall be required to indemnify and defend only in proportion to negligence of FCS. These indemnity provisions shall not require FCS to defend or indemnify the Client against any action based solely on the alleged negligence of the Client.

If the Client makes changes to FCS work product without authorization of FCS the indemnity provisions shall not require FCS to defend or indemnify the Client against any action that arises from the unauthorized changes to FCS work product.

FCS shall maintain in full force throughout the duration of this Agreement comprehensive general liability insurance with a minimum coverage of $1,000,000 per occurrence/aggregate for personal injury and property damage. Said policy shall name the Town of Friday Harbor as an additional named insured and shall include a provision prohibiting cancellation or reduction in the policy amount except upon thirty (30) days prior written notice to the Client. Cancellation of the required insurance shall automatically result in termination of this Agreement.

In addition, FCS shall maintain in full force professional liability insurance for those services delivered pursuant to this Agreement that, either directly through FCS employees or indirectly through contractual or other arrangements with third parties, involve providing professional services. Such professional liability insurance shall be maintained in an amount not less than $1,000,000 combined single limit per claim/aggregate. For the purposes of this paragraph “professional services” shall include, but not be limited to, the provision of any services provided by any licensed professional.

8. All Work Produced is Property of the Client; Records Retention; Public Records Disclosure: The materials, computer programs, reports, calculations, analyses, etc., generated by FCS under this contract including the final report shall be the property of the Client. FCS may retain copies thereof for work documentation.

Computer models use generally available software, such as Microsoft Excel (TM), and FCS does not intend or imply any warranty of those programs.

FCS shall maintain records, including personnel, property, financial, and programmatic records, which sufficiently and properly reflect all direct and indirect costs of any nature expended and all services performed pursuant to this Agreement to ensure proper accounting of all funds contributed by the Client to the performance of this Agreement and compliance with this Agreement. These records shall be maintained for a period of seven (7) years after termination hereof unless permission to destroy them is granted by the Office of the Archivist in accordance with RCW Chapter 40.14 and by the Client.

FCS acknowledges that the Client is an agency governed by the public records disclosure requirements set forth in Chapter 42.56 RCW. FCS shall fully cooperate with and assist the Client with respect to any request for public records

received by the Client concerning any public records generated, produces, created, or possessed by FCS and related to the services performed under this Agreement. Upon written demand by the Client, FCS shall furnish the Client with full and complete copies of any such records within fourteen business days or provide a reasonable estimate of when the documents will be available. FCS's failure to timely provide such records upon demand shall be deemed a material breach of this Agreement. To the extent the Client incurs any monetary penalties, attorneys' fees, or any other expenses as a result of such breach, FCS shall fully indemnify and hold harmless the Town as set forth in Paragraph 7. The provisions of this section shall survive the expiration or termination of this Agreement.

9. Intended Use and Users of the Work Product: The work products provided under this Agreement are intended for the use of the Clients for the purposes described in the Scope of Services at Exhibit A. No other users or uses are intended or implied. FCS is not a Municipal Advisor as defined by the US Securities and Exchange Commission ("SEC") and the Municipal Securities Rulemaking Board ("MSRB"). Clients will not represent the work products provided under this Agreement as Municipal Advice within the legal definitions represented by the SEC and the MSRB.

The information used in developing the forecast assumptions will be derived from published information and other sources FCS considers appropriate. However, FCS cannot assume responsibility for the accuracy of such material. Moreover, forecasts are subject to many uncertainties as to the future; therefore, FCS cannot represent that the projected financial statements will be representative of the results that actually occur. FCS will endeavor to include appropriate comments drawing the readers' attention to these matters.

10. Integrated Agreement: This agreement together with attachments or addenda, represents the entire and integrated agreement between the Client and FCS and supersedes all prior negotiations, representations, or agreements written or oral. This agreement may be amended by written instrument signed by both the Client and FCS.

11. Independent Contractor: The parties intend that an independent Contractor/Client relationship will be created by this agreement. No agent, employee, or representative of FCS shall be deemed to be an agent, employee, or representative of the Client for any purpose. FCS shall be solely responsible for all acts of its agents, employees, representatives, and subcontractors during the performance of this contract.

12. Equal Opportunity: FCS is committed to the principles of providing equal employment opportunities for all employees. The performance and diversity of our employees will help us meet the challenges of the present and the future in serving our clients. This policy statement is a reaffirmation of our long-standing commitment to provide equal opportunity on the basis of individual merit and personal qualifications to employees and applicants for employment without regard to race, color, religious creed, sex, sexual orientation or preference, gender identity, genetic characteristics or information of employee or family, age, national origin, ancestry, marital status, citizenship, the presence of sensory, mental, or physical disability, pregnancy/childbirth or related condition, medical condition, membership in the military service, veteran's status, political ideology or any other basis protected by applicable federal, state, or local laws.

13. Notices: Notices to the Client shall be sent to the following address:

Town of Friday Harbor
Attention: Denice Kulseth
60 Second Street
PO Box 219
Friday Harbor, WA 98250

Notices to FCS shall be sent to the following address:

FCS, a Bowman company
Attention: Sergey Tarasov, Principal
Redmond Town Center

7525 – 166th Ave. NE, Suite D-215
Redmond, Washington 98052

EXHIBIT A: SCOPE OF WORK AND TASK PLAN

Town of Friday Harbor

Utility Rate Study

The following work task plan has been developed to complete a Water, Sewer and Stormwater Utility Rate Study for the Town of Friday Harbor (Town). The Town's needs were identified through discussion with Denice Kulseth, Town Administrator, and Bethany Berry, Town Finance Manager. The Town would like to update financial plans for the water, sewer and stormwater utilities. In addition, the Town would like to determine the cost to provide service to out-of-town and bulk water sales customers for the water utility. The tasks to be provided as part of this scope are described below. Tasks will be performed for all utilities unless otherwise noted.

TASK PLAN

Task 1 | Project Initiation Meeting

An initial project meeting will be scheduled at the commencement of the project with the consultant and the Town project team. Meeting participants would include a representative from departments that can address issues related to finance, engineering, operations, customer service and administration.

The intent of the meeting is to confirm the goals and objectives of the overall rate study and focus the efforts of the project team. The items covered at the meeting include reviewing the scope of work; identifying project objectives, expectations and deliverables; outlining the project schedule and key milestone review points; and discussing appropriate lines of communication.

Task 2 | Data Collection

FCS will provide a data needs list encompassing historical and projected revenue, expenses, fiscal policies, capital plans, fund balances and comprehensive planning documents. The data will be reviewed, analyzed and validated for inclusion in the study process.

Task 3 | Customer Data Validation – Water Only

A detailed customer billing statistics validation will be completed for the water utility. Individual customer data including number of accounts, meter size, and usage patterns will be evaluated and validated against actual revenues collected.

Validation of the customer statistics data set with customer demands and revenue generation is critical to the rate study as it establishes the foundation for all of the major analytical phases (revenue requirement, cost of service and rate design).

Task 4 | Revenue Requirement Analysis

This task updates and develops a sustainable, multi-year financial management plan that meets the projected total financial needs of each utility through the generation of sufficient revenue. Annual cash flow needs are developed by identifying expenses incurred to operate and manage the systems including:

- Capital investment funding (improvements, expansion, and replacement)
- Expenses incurred to operate, maintain, and manage the systems
- Debt repayment
- Cash flow needs
- Fiscal policy achievement

Tasks are as follows:

» Develop the forecast of operating revenues and expenses to reflect the most recent approved budgets. Adjust for any known future changes in annual non-capital costs associated with the operation, maintenance, and administration of each of the systems. Changes may include additional staffing needs and other operating costs associated with maintaining the system along with initiating new or enhanced program activities.

» Incorporate the most recent capital plans identifying the capital projects required to maintain each system in good repair. Develop a capital funding analysis that balances available funding from rate revenue, reserve funds, contributions and additional debt, if needed.

» Evaluate cash flow needs to meet existing and anticipated new annual debt service requirements and debt coverage requirements.

» Test the sufficiency of each system's current revenues in meeting all annual system obligations. Identify any projected shortfalls over the forecast period. Rate revenue sufficiency will be tested from two perspectives: the ability to meet all cash obligations, and the attainment of any debt coverage requirements.

» Design a rate implementation strategy that meets each system's financial obligations over the multi-year planning horizon and provides smooth and moderated impacts to ratepayers.

» Develop rate scenarios to evaluate the impact of changes to key variables such as funding sources, growth rates, capital project need and timing, or others identified by the Town. The budget includes three (3) alternative scenarios for each utility.

Task 5 | Cost of Service – Water Only

The cost-of-service analysis (COSA) establishes a defensible basis for assigning "cost shares" and establishing "equity" for system customers based on industry best practices and methodologies that are tailored to the Town's unique systems and customer characteristics.

The COSA will develop a series of functional allocations that distribute cost pools to classes of customers linked to a proportionate share of costs required to serve their demand. Specific consideration will be given to total utility costs in relationship to the functions identified below.

Water
• Customer • Base capacity (avg. demand) • Peak capacity (peak demand) • Meters and Services • Fire

This analytical exercise will identify the cost to serve each customer class within the water system. In addition, the cost-of-service analysis will identify the cost-based unit costs, which will be used to inform the rate design process.

Task 6 | Rate Design

The rate design task will evaluate existing rate structures for alignment with the Town's current and/or recommended fiscal policies, generate sufficient revenue to meet the revenue requirement forecast, and resolve COSA differences, if any. This scope of service includes the following rate design options:

- *Across the board increases*. The increases will be applied equally to both fixed and variable (where applicable) components.
- *Modified fixed and variable rate increase (water)*. This alternative will evaluate modifying the fixed charges proportionally higher than the volume charges, or vice versa. This type of rate design would allow the Town to address goals such as revenue stability or impacts of price elasticity and align rates with unit costs. The actual rate structure (e.g., uniform rates, etc…) remains the same.
- *Cost of service based rates (water).* Rates will be recalibrated to align with cost-based unit cost as identified in Task 5 Cost of Service analysis.
- *Water utility out-of-town and bulk water use rate.* Develop a rate for out-of-town customers and bulk water use filling stations, based on industry practices and methodologies.

Bill comparisons will be generated describing the number of and degree to which different customers are impacted by changes in the current rate structures. A comparison will be prepared for the impact of each rate structure (including the existing rate structure) on typical bills of representative customers from each customer class.

Task 7 | Meetings & Presentations

During the study process, it will be important to interact frequently with staff throughout the project, to ensure that the findings and recommendations reflect approaches that are understood by impacted parties and can be implemented within the Town's administrative practices. Review meetings are anticipated to be conducted via remote session. The following meetings are budgeted:

Four (4) staff project team meetings to review study results at key milestones.

Two (2) – two (2) hour meetings with Town staff to review draft revenue requirement results for all utilities.

One (1) – one (2) hour meeting with Town staff to review draft COSA.

One (1) – one (1) hour meeting with Town staff to review draft rate designs for water.

Two (2) workshops / presentations with Town Council to present the study results and incorporate feedback. The meetings are anticipated to be conducted remotely.

One (1) workshop with Town Council to review preliminary revenue requirement findings for all utilities. Includes presentation development.

One (1) workshop with Town Council to review preliminary cost of service and rate design. Includes presentation development.

We are happy to provide additional meetings as requested. The additional meetings will be billed on a time and materials basis.

Task 8 | Documentation

An executive level report documenting the rate study methodology, key assumptions, results and recommendations will be provided. The technical information referenced in the report will be available in the provided Excel based models. Included will be one (1) electronic copy of each utility's rate model and a final report.

EXHIBIT B: FCS, A BOWMAN COMPANY. FEE SCHEDULE

FCS, a Bowman Company

2026 STANDARD FEE SCHEDULE

Effective January 1, 2026

LABOR[1]

Position/Title		*Billing Rate*
Principals	Standard Rates	$300-$330
Directors	Standard Rates	$300
Project Managers	Standard Rates	$225-$255
Consultants	Standard Rates	$175-$210
Administrative and Technical Support		
Public Relations		$190
Technical Writer/Graphic Artist		$165
Administrative Support		$115

DIRECT EXPENSES

Major direct expenses, such as travel, mileage, and lodging, will be charged at cost. Other expenses will not be directly charged unless by mutual agreement of the client and FCS and specific terms will be established in advance prior to expenditure and billing.

SUBCONSULTANTS

When applicable, subconsultants will be charged at invoiced cost plus 10%.

[1] *Litigation rates are 150% of standard hourly rates for services in support of direct litigation, settlement negotiations, arbitration and/or mediation processes.*

TOWN OF FRIDAY HARBOR
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MINUTES

TOWN COUNCIL

Thursday, May 21, 2026 at 12:00 PM

Town Council Chambers - 60 Second Street

Call to Order / Roll Call / Flag Salute

Mayor Perrollaz called the regular session of the Town Council to order at 12:00 p.m.

Town Council members: Steve Hushebeck (Position No. 1), Richard Geffen (Position No. 2), Anna Maria de Freitas (Position No. 3), Chelsey Dyer (Position No. 4), and Barbara Starr (Position No. 5).

Mayor Evan Perrollaz, Administrator Denice Kulseth, Clerk Jennifer Krembs, Finance Director Bethany Berry (remote), Community Development Director Ryan Ericson, and Public Works Director Mike Liptack.

Mayor Perrollaz conducted the flag salute.

Set Agenda / Announcements

- Resolution No. 3024 authorizing a utility rate study contract with FCS Group will be removed from the consent agenda and come forth at a later date.
- Mayor Perrollaz recognized Town Staff for participating in the Challenger's baseball game on May 24, 2026.
- Mental Health Awareness Month Recognition
- Councilmember Starr shared the importance of mental health awareness, and encouraged citizens to practice compassion and empathy.
- Introduction of Town Inspector I/II - Gilbert Venegas

Public Comment

No public comment was forthcoming.

Consent Agenda

Moved by Councilmember Geffen, seconded by Councilmember de Freitas, to adopt the consent agenda for May 21, 2026, as written withinout Resolution No. 3024. Motion passed unanimously.

- Resolutions

  ~~Resolution No. 3024 - Authorizing a contract with FCS Group, Inc. for water, sewer, and stormwater utility rate studies.~~

  Resolution No. 3025 — Authorizing Change Order No. 1 with San Juan Sealing and Striping LLC for additional street striping.

- Minutes

  April 1, 2026, Special Meeting with San Juan County Council

  April 16, 2026, Regular Buisness Meeting

  May 7, 2026, Regular Business Meeting

- Payments & Claims

Item	Type	Warrant #	EFT #	Dated	Amount
1	Payroll	20285 to 20291 --- Voided: 63508 to 63213	DFT684 to 688 EFT030	3/31/2026	$391,132.56
2	Claims		DFT790 to 795	4/03/2026	$9,423.94
3	Claims	63585 to 63612		4/30/2026	$88,288.34
4	Claims	63613 to 63636		5/07/2026	$ 69,714.62

* Warrants voided due to incorrect check sequence. Reissued to 20286 to 20291.

Action and Discussion Items

- LTAC 2027 Allocation Request - presented by LTAC Coordinator Julie Greene

Lodging Tax Advisory Committee (LTAC) Coordinator Julie Greene presented the LTAC request of $100,000.00 with the possibility of requesting additional funds if needed. It was requested by Council to increase the LTAC funds to $120,000.00 to encourage more applicants and to fully fund grant requests for year 2027.

Moved by Councilmember Starr, seconded by Councilmember Hushebeck, to allocate the amount of $120,000.00 for the 2027 Lodging Tax Grants. Motion passed unanimously.

- Parking Lot Improvement Project Update - presented by Public Works Director

  Public Works Director Mike Liptack presented the current state of the public parking lot located on Spring Street. Proposed additions include: Corton steel planters, fencing, and additional parking lot curb stops. The neighboring property, owner of Lugnut Automotive, has been approached to install curb stops to protect the fence.

  Moved by Councilmember de Freitas, seconded by Councilmember Starr, to proceed with the parking lot improvement project, and to use LTAC funding in form of a budget amendment for up to $108,000.00 to pay for the improvements. Motion passed unanimously.

- Town Hall Generator Update - presented by Public Works Director

Liptack shared the various benefits and options for the Town Hall replacement generator, and recommended going with rent-to-own option.

Moved by Councilmember Starr, seconded by Councilmember de Freitas, to proceed with the additional cost for the generator as proposed by Director Liptack with the actual cost to be determined later. Motion passed unanimously.

- Council Retreat Recap - lead by Mayor Perrollaz

  Mayor Perrollaz would like to engage town staff to generate a town slogan and offered to provide a gift certificate as an incentive. It was discussed that each department could design individualized T-shirts with a unified message. Council approved.

- Transient Accommodation Workshop — presented by Community Development Director

  Community Development Director Ryan Ericson led the workshop to discuss the

regulatory framework to replace the temporary moratorium on transient accommodation. A one-year extension for issued conditional use permits was recommended by the Planning Commission. The Town Administrator advised renaming the Administrative Use Permit (AUP) to minor conditional use permits. Permit criteria options, requirements, provisions, parking, and the appeal process were explained. Language to protect ground-floor retail and transient/rental ratios was requested by the Council; a public hearing for public comment will be scheduled.

Director Reports

No further director reports were forthcoming.

Committee Report

- San Juan Chamber of Commerce, Councilmember Hushebeck

  The Chamber is working on the 4th of July and America 250 celebration. The visitor guide has been printed and distributed to the Visitor's Center, and the digital brochure rack is a work in progress. Visitor counts are up 15-20% this year.

- San Juan County Board of Health, Councilmember Geffen

  At the May 20, 2026, meeting a public health fund budget update was provided. A behavioral health co-response program between the Sheriff's Office and Evergreen Recovery Center to respond to mental health-related calls is in process. Updates on the Lopez Youth Prevention, monthly crisis service meetings, community court support systems, early childhood and family mental health services were provided.

- San Juan County Housing Advisory Committee, Councilmember Starr

  The committee met on May 13, 2026, and updates included the newly hired San Juan Community Home Trust Executive Director Jess Blanch. The Cold Weather Shelter will be relocated to the Fairground's Marie Boe Building this coming winter; operation funding is needed, and the Family Resource Center (FRC) is a partner. Updates on the SJC budget, specialty funds, affordable housing funds, an upcoming community affordable housing survey, and affordable housing funding requests were discussed.

- Affordable Housing Task Force, Councilmembers Starr and Dyer

  The task force met on May 14, 2026, and will continue to work toward having a cohesive vision for affordable housing. Meeting topics involved VRBOs, income bands, and development agreements. It was recognized that U.S. Department of

Housing and Urban Development (HUD) and the U.S. Census Bureau data sets differ. SJC and Town staff will discuss definitions to identify a common understanding moving forward.

- Northwest Clean Air Agency, Councilmember Starr

  At the meeting on May 14, 2026, topics discussed included budget, expenses, electric vehicle charging stations, atmospheric low-cost air quality sensors, and fire season trends.

San Juan County (SJC) Report

SCJ County Manager Jessica Hudson shared updates on the SJC budget and timelines. Hudson addressed mandatory and non-mandatory services and functions; not all departments will be impacted with budget cuts. Legislative priorities will be identified by SJC Council.

Administrator's Report

Kulseth presented on the following:

- Clerk Krembs was named to the 2026 General Code Publishing Honor Role for exceptional service to the community. Only 17 clerks were named out of 281 cities and 39 counties within the state of Washington.
- Challenger's baseball game — Town staff were recognized for participating.
- Association of Washington Cities (AWC) needs three voting delegates to represent the town during the annual meeting. Voting takes place on June 25, 2026, at 4:00-5:45 p.m. Mayor Perrollaz, Kulseth, and Councilmember Starr will serve as delegates.
- Chief Technology Officer Paul King has successfully made progress to change our domain name to "fridayharbor.gov" which supports the town's cyber security initiatives.

Public Comment

No public comment was forthcoming.

Future Agenda Items

No agenda items were forthcoming.

Executive Sessions

At 1:20 p.m., Council held two consecutive Executive Session in accordance with the

provisions of RCW 42.30.110(c) to consider the minimum price at which real estate will be offered for sale or lease when public knowledge regarding such consideration would cause a likelihood of decreased price for 10 minutes followed by RCW 42.30.110(1)(g) to evaluate the qualifications of an applicant for employment or to review the performance of an employee, for 35 minutes. The combined sessions were estimated to last 45 minutes with no action anticipated. Participants: Town Council, Mayor Perrollaz, and Administrator Kulseth. At 2:05 p.m., the sessions ended for an actual total time of 45 minutes. No action followed and the meeting resumed.

Adjourn

Hearing no further business and no objection, Mayor Perrollaz adjourned the meeting. The next regular meeting is scheduled for June 4, 2026, at 2:06 p.m.

MINUTES

TOWN COUNCIL

Thursday, May 21, 2026 at 9:30 AM

Call to Order / Roll Call / Flag Salute

Mayor Perrollaz called the special meeting of the Town Council with the Port of Friday Harbor to order at 9:30 a.m.

Town Council members: Steve Hushebeck (Position No. 1), Richard Geffen (Position No. 2), Anna Maria de Freitas (Position No. 3), Chelsey Dyer (Position No. 4), and Barbara Starr (Position No. 5).

Port Commissioners: Graham Black (District No. 1), Barbara Marrett (District No. 2; absent), and Rich Goodhart (District No. 3).

Mayor Evan Perrollaz , Administrator Denice Kulseth, Clerk Jennifer Krembs, Finance Director Bethany Berry (remote), Community Development Director Ryan Ericson, Public Works Director Mike Liptack, Port Executive Director Todd Nicholson, and Port Deputy Director Kyle Gropp.

Mayor Perrollaz conducted the flag salute.

Introductions / Set Agenda / Announcements

Agenda was set.

Public Comment

No public comment was forthcoming.

Discussion Items

- Current Projects for the Port and Town Update

  Port of Friday Harbor Executive Director Todd Nicholson presented Main Port, Shipyard Cove, the newly purchased Cannery property at Jackson's Beach, and airport improvement projects. Nicholson highlighted areas where the Port will coordinate with the Town, which included permitting and rerouting the water main at the Cannery location, and utility extensions at the airport. Flexible zoning to include commercial, light and heavy industrial, and public service at the shipyard and business park properties were requested. Council and the Commissioner discussed how a water connection at the Cannery location would enhance the property and the need to clear driftwood so beach accessibility at Jackson's Beach is improved. Airport properties are leased at market rate, which makes the old Ernie's Café a substantial investment for any investor.
  Public Works Director Mike Liptack presented the Town's current projects. The Wastewater Treatment Plant Improvement Project's new EQ basin will increase treatment capacity. Other Public Works improvement projects included the additional 4th filter at the Water Treatment Plant, water distribution operations and maintenance projects, sand shelter construction, stormwater mitigation, beautification projects (banners, holiday decorations, and the public parking lot located off of Spring Street), an upcoming seismic study for town water tanks, and Grover Street as the next street improvement project. Commissioners inquired about stormwater treatment. Smoke testing was explained and will provide the Town with the ability to identify issues within the sewer system. Site improvements to the dysfunctioning rain garden on Spring Street are on hold for now with hopes future development takes place at the vacant site.

- UGA Work Session

  Community Development Director Ryan Ericson provided an update on the proposed expansion of the Town's Urban Growth Area (UGA). The application for the Town UGA expansion has been submitted to San Juan County (SJC). Housing allocation goes to the county to allocate population and housing to the UGA areas across the county. Ericson explained the land capacity analysis, the Housing Action Plan (HAP), and state-mandated

planning for income bands. Town consultants advised not to include certain parcels in the land capacity analysis as certain parcels are not likely to develop within the next 20 years. Some of the land identified in the proposed expansion includes Port properties (Shipyard Cove and the airport). The Growth Management Act requires there to be a balance of housing and economic growth.

- Future Port Zoning Work Session

  Nicholson and Ericson led the discussion on future Port zoning and recommended mixed-use zoning for the industrial areas to allow flexible use to focus on economic growth. The new zoning overlay for the Port benefits both jurisdictions and is more efficient. There is a mutual desire to work on the details now in order to expedite the adoption between the Town and Port after SJC approves the proposed annexation. Todd explained new business opportunities that could be possible with the proposed mixed zoning on port properties; several examples were shared that would boost the economy and create more jobs.

- Port Shipyard Cove Parcel and Buck Annexation Update

  The Port and Town will proceed with addressing water and sewer connections to improve facilities independently of any other parcels. Todd shared the Port is doing in-house dock construction and exploring a possible apprenticeship program. Economic development and growth will be a benefit with the proposed Port expansion with flexible zoning.

- Continued and New Collaborations - Town Beautifcation

  Town Administrator Denice Kulseth presented some of the collaborations the Town and Port have already implemented, like the holiday decoration alignment. Kulseth shared a few ideas for further collaborations. An article about Kingston, WA holiday light sculptures was presented as a possible partnership that could engage non-profit participation similar to Arbor Day 2025. This idea could be a new tradition, as the Memorial Park trees are no longer going to have holiday lights due to the health of the trees. Launching holiday light sculptures is likely to happen in 2027 after America 250 celebrations in 2026. The Town will be piloting a hanging basket adoption program and possibly extend it to an adopt-a-park

program. The Town wants to work with the Port to further improve walkability and use of the waterfront. The Port was in support of growing the partnership and has made efforts with their budget to support. The historic public dock entered the Town on Spring Street, and there was a 1998 study to revamp efforts at the ferry landing to make improvements which was signed by the Town, Port, WSDOT, and SJC. Todd shared improvement projects that will take place with the Climate Commitment Act grant funding. A collaboration with American Cruise Lines will allow the Port to install a 600 amp shore power cable. Currently, cruise ships are not allowed to stay the night in Friday Harbor due to generator noise. With the cable installation, shore power will be available to electric cruise ships, so overnight stays will be possible, bringing more tourism to the town; this improvement will likely take place next year. The Port has sourced electric boats.

Public Comment

Aiden Shannon, Shaw Island resident: in favor of cruise ships moving to the Port due to noise pollution.

Future Agenda Items

Council and the Commissioners requested to meet again. The Port invited Council to attend a public input meeting for the new Jackson's Beach Cannery facility and to review the received proposals for a public art installation for the Port Office Building; the public meeting will take place at 5:30 p.m. on June 4, 2026, at the Mullis Center.

Adjourn

Hearing no further business and no objection, Mayor Perrollaz adjourned the meeting at 10:44 a.m. The next regular Council meeting is scheduled for May 21, 2026, at 12 noon.

Town of Friday Harbor
60 Second St S • PO Box 219 • Friday Harbor, WA 98250
Office: (360) 378-2810 • Fax: (360) 378-2380 • www.fridayharbor.org

Finance Department Approval of Claims Against the Town
Presented at Council Meeting: June 4, 2026

Item	Type	Warrant #	EFT #	Dated	Amount
1	Utility Billing Refund	63561-63562		4/23/2026	$ 208.88
2	Payroll	20292-20298	DFT796-800 and Direct Deposit 31	4/30/2026	$ 397,986.02
3	Claims	63637-63654		5/14/2026	$ 138,440.04
4	Claims	63655-63690		5/21/2026	$ 232,511.42
5	Payroll	20299-20305	DFT828-832 and Direct Deposit 32	5/31/2026	$ 377,323.49

A consent agenda motion was made by the Town Council. The below vote of the Councilmembers of the Town of Friday Harbor, San Juan County, Washington, do hereby certify that merchandise and services specified above have been received and services have been performed as listed on the attached registers and have been approved for payment as audited and distributed by Finance Director, Bethany Berry.

Council Member	Moved	Second	Approved	Denied	Abstained	Absent
Hushebeck						
Geffen						
de Freitas						
Dyer						
Starr						

Claims not Approved by Town Council: _____

Reviewed by Town Administrator: _____
Signature/Date

Town of Friday Harbor
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Finance Director Approval of Claims Against the Town
Issuance of Claims & Payroll Warrants

Pursuant to Friday Harbor Municipal Code 3.08.010 each supervisory official of the Town is designated to be an auditing officer with respect to all operations of their department or activity for the purpose of authenticating and certifying that material has been furnished, that services have been rendered, that labor has been performed, and that the claim is just, due and an unpaid obligation against the Town. All claims listed below and on the attached register have been certified by the respective supervisory officials. In the event the Town Council disapproves any claim, the Finance Director shall cause the disapproved claim to be recognized as receivables of the Town and shall pursue collection.

I, the Finance Director and designated auditing official of the Town of Friday Harbor, San Juan County, Washington, do hereby certify under penalty of perjury that the materials have been furnished, the services rendered or the labor performed as described, or that any advance payment is due and payable pursuant to a contract or is available as an option for full or partial fulfillment of a contractual obligation, and that the claim is a just, due and unpaid obligation against the Town, and that I am authorized to authenticate and certify to said claim.

Additionally, I, the Finance Director and designated auditing official of the Town of Friday Harbor, San Juan County, Washington do hereby certify under penalty of perjury that any employee or Town official reimbursement claim is a just, due and unpaid obligation against the Town, and that I am authorized to certify to said claim.

The following vouchers, warrants, and electronic payments are approved for payment:

Type	Numbers	Dated	In the Amount of
Regular Claims			
Warrants:	63561-63562	04/23/26	208.88
Electronic Payments:			
Payroll Claims			
Warrants:			
Electronic Payments:			
		Total Claims:	$208.88

Reviewed by Finance Director: Bethany Berg
Signature

06/01/2026
Date

Town of Friday Harbor

Refund Check Register

Refund Check Detail

UBPKT00469 - Refunds 01 UBPKT00467 Regular

Account	Name	Date	Check #	Amount	Code	Receipt	Amount	Type
01-091200-001	Johnson/Henley, George/F Milene	4/23/2026	63561	96.00			96.00	Generated From Billing
01-119500-002	Hooton, Edward/Melissa	4/23/2026	63562	112.88			112.88	Generated From Billing
Total Refunds: 2			**Total Refunded Amount:**	208.88				

Revenue Code Summary

Revenue Code	Amount
996 - 996-U/C Account	208.88
Revenue Total:	208.88

General Ledger Distribution

Posting Date: 04/21/2026

	Account Number	Account Name	Posting Amount	IFT
Fund: 001 - General Operating Fund				
	001.1030	Claim on Pool Cash	-208.88	Yes
	001.3899000.01	Utility Billing Overpayment	208.88	
		001 Total:	0.00	
Fund: 999 - Pool Operating Cash				
	999.1002	Operating Cash - Clearing SaviBank	-208.88	
	999.2030	Due to Other Funds	208.88	Yes
		999 Total:	0.00	
		Distribution Total:	0.00	

Town of Friday Harbor
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April 23, 2026

George Johnson & Milene Henley
141 N Star Ln
Friday Habor, WA 98250

RE: Refund of Utility Account - 01-091200-001 - 225 Marguerite Pl S

Dear George & Milene,

Enclosed is check #63561, in the amount of $96.00. This refund is due to the change in ownership, leaving a balance owed to you.

Please let me know if you have any questions or concerns.

Thank you,

Bethany Berry
Finance Director
Phone 360-378-2810 ext. 1224
Email bethanyb@fridayharbor.org | **Web** www.fridayharbor.org
Mailing Address PO Box 219, Friday Harbor, WA 98250

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April 23, 2026

Edward & Melissa Hooton
PO Box 3358
Friday Harbor, WA 98250

RE: Refund of Utility Account - 01-119500-002 - 88 Pinedrona Ln

Dear Edward & Melissa,

Enclosed is check #63562, in the amount of $112.88. This refund is due to the change in ownership, leaving a balance owed to you.

Please let me know if you have any questions or concerns.

Thank you,

Bethany Berry
Finance Director
Phone 360-378-2810 ext. 1224
Email bethanyb@fridayharbor.org | **Web** www.fridayharbor.org
Mailing Address PO Box 219, Friday Harbor, WA 98250

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Finance Director Approval of Claims Against the Town
Issuance of Claims & Payroll Warrants

Pursuant to Friday Harbor Municipal Code 3.08.010 each supervisory official of the Town is designated to be an auditing officer with respect to all operations of their department or activity for the purpose of authenticating and certifying that material has been furnished, that services have been rendered, that labor has been performed, and that the claim is just, due and an unpaid obligation against the Town. All claims listed below and on the attached register have been certified by the respective supervisory officials. In the event the Town Council disapproves any claim, the Finance Director shall cause the disapproved claim to be recognized as receivables of the Town and shall pursue collection.

I, the Finance Director and designated auditing official of the Town of Friday Harbor, San Juan County, Washington, do hereby certify under penalty of perjury that the materials have been furnished, the services rendered or the labor performed as described, or that any advance payment is due and payable pursuant to a contract or is available as an option for full or partial fulfillment of a contractual obligation, and that the claim is a just, due and unpaid obligation against the Town, and that I am authorized to authenticate and certify to said claim.

Additionally, I, the Finance Director and designated auditing official of the Town of Friday Harbor, San Juan County, Washington do hereby certify under penalty of perjury that any employee or Town official reimbursement claim is a just, due and unpaid obligation against the Town, and that I am authorized to certify to said claim.

The following vouchers, warrants, and electronic payments are approved for payment:

Type	Numbers	Dated	In the Amount of
Regular Claims			
Warrants:			
Electronic Payments:			
Payroll Claims			
Warrants:	20292-20298	04/30/26	$12,706.88
Electronic Payments:	EFT 31 and DFT 796-800	04/30/26	$385,279.14
		Total Claims:	$397,986.02

Reviewed by Finance Director: _____ 06/01/2026
Signature Date

Town of Friday Harbor

Payroll Register
Transaction Detail
Issued Date Range: 04/30/2026 - 04/30/2026

Issued Date	Number	Description	Module	Type	Amount
Bank Draft					
Bank Account: SaviBank - Operating					
04/30/2026	DFT0000796	Nationwide Retirement Solutions	Accounts Payable	Bank Draft	68.00
04/30/2026	DFT0000797	AFLAC	Accounts Payable	Bank Draft	916.78
04/30/2026	DFT0000798	WA State Dept of Retirement	Accounts Payable	Bank Draft	49,910.47
04/30/2026	DFT0000799	AWC Employee Benefit Trust	Accounts Payable	Bank Draft	63,975.30
04/30/2026	DFT0000800	EFTPS | Payroll Taxes	Accounts Payable	Bank Draft	81,502.44
				Report Total: (5)	**196,372.99**
Check					
Bank Account: SaviBank - Clearing					
04/30/2026	20292	20292	Payroll	Check	609.34
04/30/2026	20293	Guild of Pacific Northwest Employees	Accounts Payable	Check	1,456.00
04/30/2026	20294	LegalShield	Accounts Payable	Check	83.80
04/30/2026	20295	Treasurer State of Maine	Accounts Payable	Check	1,059.33
04/30/2026	20296	WA State Dept of Labor & Industry	Accounts Payable	Check	5,769.06
04/30/2026	20297	WA State Employment Security Dept/Cares	Accounts Payable	Check	1,426.58
04/30/2026	20298	WA State Employment Security Dept/PFML	Accounts Payable	Check	2,302.77
04/30/2026	EFT0000031	Payroll EFT	Payroll	EFT	188,906.15
				Report Total: (8)	**201,613.03**
				Report Total: (13)	**397,986.02**

Account	Name		Beginning Balance	Total Activity	Ending Balance
Fund: 001 - General Operating Fund					
001.001.5116010.10.00	Salaries and Wages		10,549.98	3,598.02	14,148.00
001.001.5116020.20.00	Benefits		921.39	279.40	2,255.68
001.003.5131010.10.00	Salaries and Wages		15,863.55	5,287.84	21,151.39
001.003.5131020.20.00	Benefits		3,458.31	1,153.89	4,612.20
001.004.5142010.10.00	Salaries and Wages		19,829.26	6,932.48	26,761.74
001.004.5142010.11.00	Overtime		464.71	113.69	578.40
001.004.5142020.20.00	Benefits		6,619.62	2,261.64	8,881.26
001.005.5142010.10.00	Salaries and Wages		23,046.30	7,555.18	30,601.48
001.005.5142020.20.00	Benefits		8,867.13	2,879.85	11,746.98
001.007.5188010.10.00	Salaries and Wages		7,328.76	2,442.92	9,771.68
001.007.5188020.20.00	Benefits		2,291.34	764.49	3,055.83
001.008.5189010.10.00	Salaries and Wages		10,162.99	4,426.55	14,589.54
001.008.5189010.11.00	Overtime		20.04	266.29	286.33
001.008.5189020.20.00	Benefits		3,838.05	4,422.63	8,260.68
001.021.5217010.10.00	Salaries and Wages		20,030.80	6,551.80	26,582.60
001.021.5217020.20.00	Benefits		6,477.38	2,167.29	8,644.67
001.030.5586010.10.00	Salaries and Wages		55,561.06	17,119.50	72,680.56
001.030.5586020.20.00	Benefits		22,433.80	6,753.52	29,187.32
001.700.5768010.10.00	Salaries and Wages		19,682.26	6,895.87	26,578.13
001.700.5768020.20.00	Benefits		6,447.29	2,235.22	8,682.51
		Total Fund: 001 - General Operating Fund:	**243,894.02**	**84,108.07**	**328,002.09**
Fund: 101 - Street Operating Fund					
101.003.5431010.10.00	Salaries and Wages		11,675.55	3,891.84	15,567.39
101.003.5431020.20.00	Benefits		3,136.35	1,046.13	4,182.48
101.004.5433010.10.00	Salaries and Wages		7,210.64	2,520.90	9,731.54
101.004.5433010.11.00	Overtime		168.98	41.34	210.32
101.004.5433020.20.00	Benefits		2,406.91	822.32	3,229.23
101.007.5433010.10.00	Salaries and Wages		2,664.99	888.33	3,553.32
101.007.5433020.20.00	Benefits		833.22	278.00	1,111.22
101.008.5423010.10.00	Salaries and Wages		4,178.56	1,429.33	5,607.89
101.008.5423020.20.00	Benefits		1,609.41	2,479.87	4,089.28
101.610.5423010.10.00	Salaries and Wages		79,226.77	26,793.47	106,020.24
101.610.5423020.20.00	Benefits		35,633.98	11,941.69	47,575.67
101.800.5429010.10.00	Salaries and Wages		10,339.14	3,479.35	13,818.49
101.800.5429010.11.00	Overtime		-	13.91	13.91
101.800.5429020.20.00	Benefits		3,280.93	1,100.55	4,381.48

Account	Name		Beginning Balance	Total Activity	Ending Balance
		Total Fund: 101 - Street Operating Fund:	162,365.43	56,727.03	219,092.46
Fund: 130 - Special Revenue - Hotel/Motel Tax 1st					
130.086.5573010.10.00	Salaries and Wages		9,216.44	3,231.54	12,447.98
130.086.5573010.11.00	Overtime		4,811.48	1,643.48	6,454.96
130.086.5573020.20.00	Benefits		4,953.34	1,709.68	6,663.02
		Total Fund: 130 - Special Revenue - Hotel/Motel Tax 1st:	18,981.26	6,584.70	25,565.96
Fund: 410 - Water Operating Fund					
410.003.5340010.10.00	Salaries and Wages		11,675.55	3,891.84	15,567.39
410.003.5340020.20.00	Benefits		3,136.35	1,046.13	4,182.48
410.004.5340010.10.00	Salaries and Wages		20,730.43	7,247.59	27,978.02
410.004.5340010.11.00	Overtime		485.81	118.85	604.66
410.004.5340020.20.00	Benefits		6,919.89	2,364.42	9,284.31
410.007.5340010.10.00	Salaries and Wages		7,661.90	2,553.96	10,215.86
410.007.5340020.20.00	Benefits		2,395.49	799.25	3,194.74
410.008.5340010.10.00	Salaries and Wages		6,047.34	1,658.96	7,706.30
410.008.5340020.20.00	Benefits		2,417.17	3,231.17	5,648.34
410.110.5340010.10.00	Salaries and Wages		62,962.41	19,633.89	82,596.30
410.110.5340010.11.00	Overtime		7,608.88	3,350.44	10,959.32
410.110.5340020.20.00	Benefits		29,268.89	9,367.90	38,636.79
410.111.5340010.10.00	Salaries and Wages		6,172.62	3,741.89	9,914.51
410.111.5340020.20.00	Benefits		2,808.11	1,634.42	4,442.53
410.120.5340010.10.00	Salaries and Wages		77,745.23	22,943.30	100,688.53
410.120.5340010.11.00	Overtime		4,847.35	1,850.15	6,697.50
410.120.5340020.20.00	Benefits		26,161.04	8,742.33	34,903.37
410.122.5340010.10.00	Salaries and Wages		895.11	17.00	912.11
410.122.5340020.20.00	Benefits		311.79	5.73	317.52
410.800.5340010.10.00	Salaries and Wages		10,339.14	3,479.35	13,818.49
410.800.5340010.11.00	Overtime		-	13.91	13.91
410.800.5340020.20.00	Benefits		3,280.93	1,100.55	4,381.48
		Total Fund: 410 - Water Operating Fund:	293,871.43	98,793.03	392,664.46
Fund: 420 - Sewer Operating Fund					
420.003.5350010.10.00	Salaries and Wages		11,675.55	3,891.84	15,567.39
420.003.5350020.20.00	Benefits		3,136.35	1,046.13	4,182.48
420.004.5350010.10.00	Salaries and Wages		22,533.29	7,877.86	30,411.15
420.004.5350010.11.00	Overtime		528.05	129.19	657.24
420.004.5350020.20.00	Benefits		7,522.58	2,570.25	10,092.83
420.007.5350010.10.00	Salaries and Wages		8,328.15	2,776.04	11,104.19
420.007.5350020.20.00	Benefits		2,603.91	868.77	3,472.68
420.008.5350010.10.00	Salaries and Wages		4,567.29	1,297.60	5,864.89
420.008.5350020.20.00	Benefits		1,786.13	3,090.98	4,877.11
420.210.5350010.10.00	Salaries and Wages		75,007.17	25,094.33	100,101.50
420.210.5350010.11.00	Overtime		2,189.65	1,339.84	3,529.49

Account	Name		Beginning Balance	Total Activity	Ending Balance
420.210.5350020.20.00	Benefits		29,817.17	9,990.38	39,807.55
420.220.5350010.10.00	Salaries and Wages		24,591.19	7,967.35	32,558.54
420.220.5350020.20.00	Benefits		9,729.99	3,094.26	12,824.25
420.800.5350010.10.00	Salaries and Wages		10,339.14	3,479.35	13,818.49
420.800.5350010.11.00	Overtime		-	13.91	13.91
420.800.5350020.20.00	Benefits		3,280.93	1,100.55	4,381.48
		Total Fund: 420 - Sewer Operating Fund:	**217,636.54**	**75,628.63**	**293,265.17**
Fund: 430 - Refuse Operating Fund					
430.003.5370010.10.00	Salaries and Wages		11,668.64	3,889.54	15,558.18
430.003.5370020.20.00	Benefits		3,134.39	1,045.42	4,179.81
430.004.5370010.10.00	Salaries and Wages		12,618.60	4,411.60	17,030.20
430.004.5370010.11.00	Overtime		295.71	72.35	368.06
430.004.5370020.20.00	Benefits		4,212.36	1,439.23	5,651.59
430.007.5370010.10.00	Salaries and Wages		4,663.74	1,554.58	6,218.32
430.007.5370020.20.00	Benefits		1,458.11	486.52	1,944.63
430.008.5370010.10.00	Salaries and Wages		4,436.35	1,212.89	5,649.24
430.008.5370020.20.00	Benefits		1,731.90	3,064.71	4,796.61
430.371.5370010.10.00	Salaries and Wages - Regular Collection		42,518.07	13,193.48	55,711.55
430.371.5370010.10.01	Salaries and Wages - Compactor		776.55	220.33	996.88
430.371.5370010.11.00	Overtime - Regular Collection		3,808.08	119.73	3,927.81
430.371.5370020.20.00	Benefits - Regular Collection		17,381.35	5,187.98	22,569.33
430.371.5370020.20.01	Benefits - Compactor		281.98	76.12	358.10
430.372.5370010.10.00	Salaries and Wages		31,757.48	12,905.25	44,662.73
430.372.5370010.10.01	Salaries and Wages - Plastics		955.63	470.80	1,426.43
430.372.5370010.11.00	Overtime		1,929.87	40.53	1,970.40
430.372.5370020.20.00	Benefits		12,859.88	4,846.63	17,706.51
430.372.5370020.20.01	Benefits - Plastic		529.34	171.49	700.83
430.373.5370010.10.00	Salaries and Wages		2,489.07	957.26	3,446.33
430.373.5370020.20.00	Benefits		940.97	348.60	1,289.57
430.800.5370010.10.00	Salaries and Wages		10,339.14	3,479.35	13,818.49
430.800.5370010.11.00	Overtime		-	13.91	13.91
430.800.5370020.20.00	Benefits		3,280.93	1,100.55	4,381.48
		Total Fund: 430 - Refuse Operating Fund:	**174,068.14**	**60,308.85**	**234,376.99**
Fund: 450 - Stormwater Operating Fund					
450.003.5310010.10.00	Salaries and Wages		11,668.81	3,889.65	15,558.46
450.003.5310020.20.00	Benefits		3,134.67	1,045.46	4,180.13
450.004.5310010.10.00	Salaries and Wages		7,210.58	2,520.91	9,731.49
450.004.5310010.11.00	Overtime		168.97	41.34	210.31
450.004.5310020.20.00	Benefits		2,406.11	822.18	3,228.29
450.007.5310010.10.00	Salaries and Wages		2,664.97	888.34	3,553.31
450.007.5310020.20.00	Benefits		833.13	278.00	1,111.13
450.008.5310010.10.00	Salaries and Wages		1,805.76	534.30	2,340.06
450.008.5310020.20.00	Benefits		750.20	867.09	1,617.29

Account	Name	Beginning Balance	Total Activity	Ending Balance
450.501.5310010.10.00	Salaries and Wages	1,298.15	248.98	1,547.13
450.501.5310020.20.00	Benefits	899.15	105.62	1,004.77
450.800.5310010.10.00	Salaries and Wages	10,339.23	3,479.33	13,818.56
450.800.5310010.11.00	Overtime	-	13.89	13.89
450.800.5310020.20.00	Benefits	3,280.86	1,100.62	4,381.48
	Total Fund: 450 - Stormwater Operating Fund:	**46,460.59**	**15,835.71**	**62,296.30**
	Grand Totals:	**1,157,277.41**	**396,651.73**	**1,553,929.14**

Date Range: 04/01/2026 - 04/30/2026

Fund Summary

Fund	Beginning Balance	Total Activity	Ending Balance
001 - General Operating Fund	243,894.02	84,108.07	328,002.09
101 - Street Operating Fund	162,365.43	56,727.03	219,092.46
130 - Special Revenue - Hotel/Motel Tax	18,981.26	6,584.70	25,565.96
410 - Water Operating Fund	293,871.43	98,793.03	392,664.46
420 - Sewer Operating Fund	217,636.54	75,628.63	293,265.17
430 - Refuse Operating Fund	174,068.14	60,308.85	234,376.99
450 - Stormwater Operating Fund	46,460.59	15,835.71	62,296.30
Grand Total:	**1,157,277.41**	**397,986.02**	**1,555,263.43**

Town of Friday Harbor

Council Payroll Paycheck Register

Checks

Pay Period: 4/1/2026-4/30/2026

Packet: PYPKT00454 - 2026-04 Payroll
Payroll Set: Payroll Set 01 - 01

Employee	Employee #	Check Type	Date	Amount	Number
Hushebeck, Stephen J	0093	Regular	04/30/2026	609.34	20292

Town of Friday Harbor

Council Payroll Paycheck Register

Direct Deposits

Pay Period: 4/1/2026-4/30/2026

Packet: PYPKT00454 - 2026-04 Payroll
Payroll Set: Payroll Set 01 - 01

Employee	Employee #	Date	Amount	Number
Anderson, Kasey	0001	04/30/2026	6,781.02	1170
Barringer, Michael J	0165	04/30/2026	3,922.36	1171
Berry, Bethany H	0113	04/30/2026	3,300.00	1172
Berry, Bethany H	0113	04/30/2026	3,454.43	1172
Berry, Charles M	0118	04/30/2026	615.00	1173
Berry, Charles M	0118	04/30/2026	4,425.44	1173
Berwald, Janelle R	0162	04/30/2026	3,975.87	1174
Blackmon, Mateo J	0169	04/30/2026	3,320.23	1175
Blackmon, William D	0122	04/30/2026	4,428.63	1176
Byrne, Francis N	0005	04/30/2026	4,059.88	1177
Carlshagen, Diane M	0172	04/30/2026	2,551.28	1178
Carlshagen, Diane M	0172	04/30/2026	2,551.27	1178
Compton, Joshua T	0127	04/30/2026	5,961.57	1179
de Freitas, Anna Maria	0039	04/30/2026	777.12	1180
Dyer, Chelsey E	0173	04/30/2026	675.53	1181
Ericson, Ryan C	0129	04/30/2026	8,767.48	1182
Frazier, Toby A	0134	04/30/2026	4,978.65	1183
Frazier, Toby A	0134	04/30/2026	500.00	1183
Geffen, Richard M	0154	04/30/2026	498.55	1184
Greene, Julie A	0105	04/30/2026	5,251.24	1185
Gutierrez, Andres G	0152	04/30/2026	5,487.69	1186
Henrie, James S	0112	04/30/2026	4,838.31	1187
King, Paul J	0167	04/30/2026	8,985.81	1188
Krembs, Jennifer M	0157	04/30/2026	4,805.73	1189
Krembs, Jennifer M	0157	04/30/2026	252.93	1189
Kulseth, Denice B	0137	04/30/2026	7,670.87	1190
Liptack, Michael K	0171	04/30/2026	8,911.33	1191
Logsdon, Donald W	0146	04/30/2026	3,916.17	1192
Mason, Shane	0022	04/30/2026	4,838.15	1193
Melic, Amer	0161	04/30/2026	3,732.32	1194
Minney, Patrick W	0132	04/30/2026	4,630.88	1195
Minney, Patrick W	0132	04/30/2026	375.00	1195
Ness, Shelby L	0125	04/30/2026	4,632.98	1196
Nibler, Justin M	0107	04/30/2026	5,714.07	1197
Nicholson, Joseph C	0147	04/30/2026	4,480.18	1198
Pasic, Joseph C	0163	04/30/2026	5,229.69	1199
Pasic, Joseph C	0163	04/30/2026	300.00	1199
Pasic, Joseph C	0163	04/30/2026	150.00	1199
Pasic, Joseph C	0163	04/30/2026	5.69	1199
Penwell, Robert	0133	04/30/2026	4,130.89	1200
Perrollaz, Evan G	0174	04/30/2026	1,269.23	1201
Pranger, Matthew	0026	04/30/2026	4,604.59	1202
Pranger, Matthew	0026	04/30/2026	25.00	1202
Pridgen, Melissa K	0164	04/30/2026	4,144.32	1203
Slaughter, Nathan D	0155	04/30/2026	4,187.36	1204
Smith, David A	0030	04/30/2026	5,945.62	1205
Starr, Barbara L	0094	04/30/2026	300.29	1206
Teasdale, Andrew J	0117	04/30/2026	3,347.77	1207
Venegas, Gilberto M	0170	04/30/2026	4,130.89	1208
Walter-Rognas, Leslie A	0116	04/30/2026	4,148.30	1209
Wesserling, Richard S	0142	04/30/2026	2,918.54	1210

Town of Friday Harbor

Council Payroll Paycheck Register

Employee Pay Summary

Pay Period: 4/1/2026-4/30/2026

Packet: PYPKT00454 - 2026-04 Payroll
Payroll Set: Payroll Set 01 - 01

Employee	Payment Type	Number	Earnings	Deductions	Taxes	Net
Anderson, Kasey	EFT	1170	9,845.15	1,434.14	1,629.99	6,781.02
Barringer, Michael J	EFT	1171	5,243.04	366.67	954.01	3,922.36
Berry, Bethany H	EFT	1172	11,137.94	1,506.99	2,876.52	6,754.43
Berry, Charles M	EFT	1173	7,592.44	913.83	1,638.17	5,040.44
Berwald, Janelle R	EFT	1174	5,179.69	679.03	524.79	3,975.87
Blackmon, Mateo J	EFT	1175	4,796.05	312.62	1,163.20	3,320.23
Blackmon, William D	EFT	1176	6,642.04	724.53	1,488.88	4,428.63
Byrne, Francis N	EFT	1177	9,276.88	3,536.98	1,680.02	4,059.88
Carlshagen, Diane M	EFT	1178	7,495.22	699.26	1,693.41	5,102.55
Compton, Joshua T	EFT	1179	8,108.00	886.22	1,260.21	5,961.57
de Freitas, Anna Maria	EFT	1180	855.00	0.00	77.88	777.12
Dyer, Chelsey E	EFT	1181	915.00	0.00	239.47	675.53
Ericson, Ryan C	EFT	1182	11,994.99	1,149.87	2,077.64	8,767.48
Frazier, Toby A	EFT	1183	7,742.54	569.14	1,694.75	5,478.65
Geffen, Richard M	EFT	1184	548.14	0.00	49.59	498.55
Greene, Julie A	EFT	1185	7,544.47	733.29	1,559.94	5,251.24
Gutierrez, Andres G	EFT	1186	7,623.20	917.31	1,218.20	5,487.69
Henrie, James S	EFT	1187	7,560.39	1,145.76	1,576.32	4,838.31
Hushebeck, Stephen J	Check	20292	670.54	0.00	61.20	609.34
King, Paul J	EFT	1188	11,104.17	802.58	1,315.78	8,985.81
Krembs, Jennifer M	EFT	1189	7,500.00	1,633.36	807.98	5,058.66
Kulseth, Denice B	EFT	1190	15,802.08	4,875.74	3,255.47	7,670.87
Liptack, Michael K	EFT	1191	11,958.33	848.54	2,198.46	8,911.33
Logsdon, Donald W	EFT	1192	5,503.52	583.27	1,004.08	3,916.17
Mason, Shane	EFT	1193	9,583.28	3,270.81	1,474.32	4,838.15
Melic, Amer	EFT	1194	5,118.08	449.94	935.82	3,732.32
Minney, Patrick W	EFT	1195	6,653.46	574.73	1,072.85	5,005.88
Ness, Shelby L	EFT	1196	6,443.19	535.61	1,274.60	4,632.98
Nibler, Justin M	EFT	1197	8,090.88	1,130.41	1,246.40	5,714.07
Nicholson, Joseph C	EFT	1198	6,293.76	625.78	1,187.80	4,480.18
Pasic, Joseph C	EFT	1199	8,963.68	1,202.97	2,075.33	5,685.38
Penwell, Robert	EFT	1200	7,143.89	1,968.98	1,044.02	4,130.89
Perrollaz, Evan G	EFT	1201	1,396.00	0.00	126.77	1,269.23
Pranger, Matthew	EFT	1202	6,551.80	576.67	1,345.54	4,629.59
Pridgen, Melissa K	EFT	1203	5,507.93	368.92	994.69	4,144.32
Slaughter, Nathan D	EFT	1204	5,640.80	408.07	1,045.37	4,187.36
Smith, David A	EFT	1205	8,250.88	701.08	1,604.18	5,945.62
Starr, Barbara L	EFT	1206	609.34	0.00	309.05	300.29
Teasdale, Andrew J	EFT	1207	6,293.76	1,512.52	1,433.47	3,347.77
Venegas, Gilberto M	EFT	1208	4,931.52	319.91	480.72	4,130.89
Walter-Rognas, Leslie A	EFT	1209	6,951.75	1,231.18	1,572.27	4,148.30
Wesserling, Richard S	EFT	1210	6,587.59	2,894.59	774.46	2,918.54
		Totals:	**283,650.41**	**42,091.30**	**52,043.62**	**189,515.49**

Town of Friday Harbor

Council Payroll Paycheck Register

Report Summary

Pay Period: 4/1/2026-4/30/2026

Packet: PYPKT00454 - 2026-04 Payroll
Payroll Set: Payroll Set 01 - 01

Type	Count	Amount
Regular Checks	1	609.34
Manual Checks	0	0.00
Reversals	0	0.00
Voided Checks	0	0.00
Direct Deposits	51	188,906.15
Total	**52**	**189,515.49**

Town of Friday Harbor
60 Second St S • PO Box 219 • Friday Harbor, WA 98250
Office: (360) 378-2810 • Fax: (360) 378-2380 • www.fridayharbor.org

Finance Director Approval of Claims Against the Town
Issuance of Claims & Payroll Warrants

Pursuant to Friday Harbor Municipal Code 3.08.010 each supervisory official of the Town is designated to be an auditing officer with respect to all operations of their department or activity for the purpose of authenticating and certifying that material has been furnished, that services have been rendered, that labor has been performed, and that the claim is just, due and an unpaid obligation against the Town. All claims listed below and on the attached register have been certified by the respective supervisory officials. In the event the Town Council disapproves any claim, the Finance Director shall cause the disapproved claim to be recognized as receivables of the Town and shall pursue collection.

I, the Finance Director and designated auditing official of the Town of Friday Harbor, San Juan County, Washington, do hereby certify under penalty of perjury that the materials have been furnished, the services rendered or the labor performed as described, or that any advance payment is due and payable pursuant to a contract or is available as an option for full or partial fulfillment of a contractual obligation, and that the claim is a just, due and unpaid obligation against the Town, and that I am authorized to authenticate and certify to said claim.

Additionally, I, the Finance Director and designated auditing official of the Town of Friday Harbor, San Juan County, Washington do hereby certify under penalty of perjury that any employee or Town official reimbursement claim is a just, due and unpaid obligation against the Town, and that I am authorized to certify to said claim.

The following vouchers, warrants, and electronic payments are approved for payment:

Type	Numbers	Dated	In the Amount of
Regular Claims			
Warrants:	63637-63654	05/14/26	$138,440.04
Electronic Payments:			
Payroll Claims			
Warrants:			
Electronic Payments:			
		Total Claims:	$138,440.04

Reviewed by Finance Director: _____ 05/14/2026
Signature Date

Town of Friday Harbor

My Council Check Register

By Check Number

Date Range: 05/14/2026 - 05/14/2026

Vendor Name	Payment Date	Payment Type	Payment Amount	Number
Always Connect Solutions	05/14/2026	Regular	138.00	63637
Amazon Capital Services, Inc	05/14/2026	Regular	3,810.69	63638
Browne's Home Center a Division of TAL Holdin	05/14/2026	Regular	318.09	63639
Capital One Trade Credit/Ace Hardware# 6000	05/14/2026	Regular	58.62	63640
CDW Government LLC	05/14/2026	Regular	1,352.54	63641
Cues	05/14/2026	Regular	25,182.27	63642
Gordon Truck dbs Freightliner NW	05/14/2026	Regular	2,361.54	63643
Grainger, Inc.	05/14/2026	Regular	135.30	63644
HD Fowler Company	05/14/2026	Regular	18,980.03	63645
Inter Island Water Co.	05/14/2026	Regular	166.69	63646
Island Network	05/14/2026	Regular	1,773.93	63647
Ixom Watercare Inc.	05/14/2026	Regular	15,613.01	63648
KCDA Purchasing Cooperative	05/14/2026	Regular	97.09	63649
Quill Corporation	05/14/2026	Regular	294.35	63650
Security Solutions NW	05/14/2026	Regular	65.14	63651
US Postal Service	05/14/2026	Regular	376.00	63652
Utilities Underground Location Center	05/14/2026	Regular	13.80	63653
WA State Dept of Commerce	05/14/2026	Regular	67,702.95	63654

Bank Code AP/PY Warrant Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	32	18	0.00	138,440.04
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	0.00
Bank Drafts	0	0	0.00	0.00
EFT's	0	0	0.00	0.00
	32	**18**	**0.00**	**138,440.04**

Report Summary

Fund Summary

Fund	Payment Amount
001 - General Operating Fund	1,895.61
101 - Street Operating Fund	1,230.55
130 - Special Revenue - Hotel/Motel Tax 1st	285.14
410 - Water Operating Fund	37,907.05
420 - Sewer Operating Fund	2,869.93
426 - Sewer Capital Reserve - Equipment	25,182.27
428 - Sewer Debt Reserve - Bond Redemption	67,702.95
430 - Refuse Operating Fund	859.92
450 - Stormwater Operating Fund	506.62
Grand Total:	**138,440.04**

Account Summary

Account Number	Account Name	Payment Amount
001.005.5142030.31.00	Supplies	126.73
001.007.5188030.31.00	Supplies	837.97
001.008.5189030.31.00	Supplies	339.91
001.008.5189040.42.02	Internet Svs	215.00
001.008.5189040.42.05	Rent - PO Box	376.00
101.007.5433030.31.00	Supplies	348.80
101.610.5423040.48.10	R&M - Vehicle	787.34
101.800.5429030.31.00	Supplies	14.41
101.800.5429040.42.02	Internet Svs	80.00
130.086.5573040.41.00	Prof Svs - Misc	65.14
130.086.5573040.42.01	Phone Svs	220.00
410.007.5340030.31.00	Supplies	1,118.84
410.008.5340040.49.01	Misc - 1-800-Dig	4.60
410.110.5340030.31.00	Supplies	162.14
410.110.5340030.35.00	Small Tools & Minor Equipment	236.37
410.110.5340040.42.01	Phone Svs	34.00
410.110.5340040.48.58	R&M - SolarBee Service Plan	15,613.01
410.120.5340030.31.00	Supplies	58.62
410.120.5340040.42.01	Phone Svs	69.00
410.120.5340040.48.10	R&M - Vehicle	787.10
410.121.5340040.42.01	Phone Svs	10.00
410.121.5340040.42.02	Internet Svs	250.00
410.121.5340040.49.51	Customer Meter Portal	14,512.53
410.121.5913470.70.51	Long-Term Rent - Water Meter Tower Pole	488.93
410.180.5943460.63.91	Improvement - Fire Hydrants Upgrade	4,467.50
410.800.5340030.31.00	Supplies	14.41
410.800.5340040.42.02	Internet Svs	80.00
420.007.5350030.31.00	Supplies	1,050.87
420.008.5350040.42.02	Internet Svs	200.00
420.008.5350040.49.01	Misc - 1-800-Dig	4.60
420.210.5350030.31.00	Supplies	662.21
420.210.5350040.42.01	Phone Svs	25.00
420.220.5350030.31.00	Supplies	45.74
420.220.5350040.48.10	R&M - Vehicle	787.10
420.800.5350030.31.00	Supplies	14.41
420.800.5350040.42.02	Internet Svs	80.00
426.285.5943560.64.04	Equipment - Small (Over $5,000 - Under $100,000)	25,182.27
428.290.5913570.72.06	Principal - PWTF #4 Sewer Main Bid Documents Debt	21,052.64
428.290.5913570.72.07	Principal - PWTF #5 Sewer Main Relocation Debt	46,084.21
428.290.5923580.83.06	Interest - PWTF #4 Sewer Main Bid Documents	105.26
428.290.5923580.83.07	Interest - PWTF #5 Sewer Main Construction	460.84
430.007.5370030.31.00	Supplies	765.51
430.800.5370030.31.00	Supplies	14.41
430.800.5370040.42.02	Internet Svs	80.00
450.007.5310030.31.00	Supplies	407.63

Account Summary

Account Number	Account Name	Payment Amount
450.008.5310040.49.01	Misc - 1-800-Dig	4.60
450.800.5310030.31.00	Supplies	14.39
450.800.5310040.42.02	Internet Svs	80.00
	Grand Total:	**138,440.04**

Project Account Summary

Project Account Key	Payment Amount
None	138,440.04
Grand Total:	**138,440.04**

Town of Friday Harbor

My Council Claims Register Detail Multiple Packets

APPKT05776 - 2026-05-14 Warrants

By Docket/Claim Number

Warrant #	Vendor Name / Payable Number	Payable Description	Item Description	Account Number	Payment Amount / Distribution Amount
63637	Always Connect Solutions				138.00
	INV-037963	Telemetry Services	Radio Read Towers	410.121.5340040.42.01	10.00
			Sewer Scada	420.210.5350040.42.01	25.00
			Water Scada	410.110.5340040.42.01	34.00
			Water Scada	410.120.5340040.42.01	69.00
63638	Amazon Capital Services, Inc				3,810.69
	19P1-93WQ-HD47	WWTP Supplies	Dymo Label Printer	420.210.5350030.31.00	278.57
			Low Voltage Transformer	420.210.5350030.31.00	103.20
	1HDY-T3FL-TV3N	WWTP Supplies	10 Pk Lightbulbs	420.210.5350030.31.00	102.92
			Milwaukee M18 Battery Lithium Batteries	420.210.5350030.31.00	59.75
	1QX9-9XP1-PYY9	WTP Supplies	Milwaukee Trimmer	410.110.5340030.35.00	236.37
			Trimmer Line	410.110.5340030.31.00	26.84
	1RKD-N6TN-NHR1	Sys Admin | IAM Project	IAM: Intel Core Desktop Processor	001.007.5188030.31.00	223.91
				101.007.5433030.31.00	93.20
				410.007.5340030.31.00	298.96
				420.007.5350030.31.00	280.80
				430.007.5370030.31.00	204.55
				450.007.5310030.31.00	108.93
			IAM: Super Flower Leadex Dual Ball Fan	001.007.5188030.31.00	331.65
				101.007.5433030.31.00	138.04
				410.007.5340030.31.00	442.80
				420.007.5350030.31.00	415.90
				430.007.5370030.31.00	302.96
				450.007.5310030.31.00	161.34

Warrant #	Vendor Name / Payable Number	Payable Description	Item Description	Account Number	Payment Amount / Distribution Amount
63639	Browne's Home Center a Division of TAL Holdings LL(				318.09
	6000-3614484	Sys Admin | Project Support	Project: 100 Pk Coffee Filters	001.007.5188030.31.00	1.75
				101.007.5433030.31.00	0.73
				410.007.5340030.31.00	2.34
				420.007.5350030.31.00	2.20
				430.007.5370030.31.00	1.60
				450.007.5310030.31.00	0.85
			Project: 19 Pk Gallon Ziplock	001.007.5188030.31.00	2.87
				101.007.5433030.31.00	1.20
				410.007.5340030.31.00	3.83
				420.007.5350030.31.00	3.60
				430.007.5370030.31.00	2.62
				450.007.5310030.31.00	1.40
			Project: 19 Pk Quart Ziplock	001.007.5188030.31.00	2.67
				101.007.5433030.31.00	1.11
				410.007.5340030.31.00	3.58
				420.007.5350030.31.00	3.35
				430.007.5370030.31.00	2.44
				450.007.5310030.31.00	1.30
			Project: 2 Pk Gorilla Tape	001.007.5188030.31.00	2.83
				101.007.5433030.31.00	1.18
				410.007.5340030.31.00	3.78
				420.007.5350030.31.00	3.55
				430.007.5370030.31.00	2.59
				450.007.5310030.31.00	1.37
			Project: 25 Pk Trash Bag	001.007.5188030.31.00	6.10
				101.007.5433030.31.00	2.54
				410.007.5340030.31.00	8.15
				420.007.5350030.31.00	7.65
				430.007.5370030.31.00	5.58
				450.007.5310030.31.00	2.97
			Project: Gorilla Repair Tape	001.007.5188030.31.00	4.21
				101.007.5433030.31.00	1.75
				410.007.5340030.31.00	5.62
				420.007.5350030.31.00	5.28
				430.007.5370030.31.00	3.84
				450.007.5310030.31.00	2.05
			Project: Hex Cap Screws	001.007.5188030.31.00	5.33
				101.007.5433030.31.00	2.22
				410.007.5340030.31.00	7.11
				420.007.5350030.31.00	6.68
				430.007.5370030.31.00	4.87
				450.007.5310030.31.00	2.58

Warrant #	Vendor Name / Payable Number	Payable Description	Item Description	Account Number	Payment Amount / Distribution Amount
	6000-3614484	Sys Admin | Project Support	Project: Tape Measure	001.007.5188030.31.00	6.43
				101.007.5433030.31.00	2.68
				410.007.5340030.31.00	8.59
				420.007.5350030.31.00	8.07
				430.007.5370030.31.00	5.88
				450.007.5310030.31.00	3.12
	6000-3623118-C	WWTP and PW Supplies	Respirator | Mikey	420.210.5350030.31.00	72.02
			Respirator | PW	101.800.5429030.31.00	14.41
				410.800.5340030.31.00	14.41
				420.800.5350030.31.00	14.41
				430.800.5370030.31.00	14.41
				450.800.5310030.31.00	14.39
63640	Capital One Trade Credit/Ace Hardware# 6000				58.62
	F65644	Water Distribution Supplies	Ace Discount	410.120.5340030.31.00	-2.61
			Blue Striping Paint	410.120.5340030.31.00	26.06
	F66096	Water Distribution Supplies	Blue Paint Striping	410.120.5340030.31.00	35.17
63641	CDW Government LLC				1,352.54
	AJ2CE5J	Sys Admin | Server Upgrades	Server: Llebert GXT3 Pod	001.007.5188030.31.00	250.22
				101.007.5433030.31.00	104.15
				410.007.5340030.31.00	334.08
				420.007.5350030.31.00	313.79
				430.007.5370030.31.00	228.58
				450.007.5310030.31.00	121.72
63642	Cues				25,182.27
	970068275	WWTP Inspection Camera Transporter Assembly	WWTP Inspection Camera Transporter Assembly	426.285.5943560.64.04	25,182.27
63643	Gordon Truck dbs Freightliner NW				2,361.54
	SR302037112-001	Onsite Service | 2001 International 07985D	Onsite Service | 2001 International 07985D	101.610.5423040.48.10	787.34
				410.120.5340040.48.10	787.10
				420.220.5350040.48.10	787.10
63644	Grainger, Inc.				135.30
	9901294729	WTP Supplies	Aerosol Duster	410.110.5340030.31.00	135.30
63645	HD Fowler Company				18,980.03
	I7291352	Kamstrup H20 Analytics Software	Kamstrup H20 Analytics Software | 1 Time Fee	410.121.5340040.49.51	9,288.02
			Kamstrup H20 Analytics Software | Annual Fee	410.121.5340040.49.51	5,224.51
	I7296255	Water Distribution Supplies	Fire Hydrant with Nozzle	410.180.5943460.63.91	4,467.50

Warrant #	Vendor Name / Payable Number	Payable Description	Item Description	Account Number	Payment Amount / Distribution Amount
63646	Inter Island Water Co.				166.69
	043476	Town Hall Supplies	Drinking Water	001.008.5189030.31.00	32.60
	043585	WWTP Supplies	Drinking Water	420.210.5350030.31.00	8.15
				420.220.5350030.31.00	8.15
	043876	Town Hall Supplies	Drinking Water	001.008.5189030.31.00	32.60
	043986	WWTP Supplies	Drinking Water	420.210.5350030.31.00	32.60
				420.220.5350030.31.00	32.59
	044466	Monthly Service Charge | Water Delivery	Monthly Service Charge | Water Delivery	001.008.5189030.31.00	10.00
				420.210.5350030.31.00	5.00
				420.220.5350030.31.00	5.00
63647	Island Network				1,773.93
	INV-000667704	May Internet	May Internet	001.008.5189040.42.02	215.00
				101.800.5429040.42.02	80.00
				130.086.5573040.42.01	220.00
				410.800.5340040.42.02	80.00
				420.008.5350040.42.02	200.00
				420.800.5350040.42.02	80.00
				430.800.5370040.42.02	80.00
				450.800.5310040.42.02	80.00
	INV-000668733	Space Lease & Internet 05/04/26-06/03/26	Internet 05/04/26-06/03/26	410.121.5340040.42.02	250.00
			Pole Lease 05/04/26-06/03/26	410.121.5913470.70.51	488.93
63648	Ixom Watercare Inc.				15,613.01
	85113014	Lake Solarbee Program | 05/01/26-04/30/27	Lake Solarbee Program | 05/01/26-04/30/27	410.110.5340040.48.58	15,613.01
63649	KCDA Purchasing Cooperative				97.09
	300901178	Town Hall Supplies	Copy Paper	001.008.5189030.31.00	97.09
63650	Quill Corporation				294.35
	48689176	Town Hall Supplies	Facial Tissue	001.008.5189030.31.00	72.35
			Staple Removers	001.008.5189030.31.00	22.13
	48740104	Town Hall Supplies	10 Pk Correction Tape	001.008.5189030.31.00	19.23
			4 Pk Post-it Pads	001.008.5189030.31.00	28.03
			Metal Rulers	001.008.5189030.31.00	15.99
			Wooden Rulers	001.008.5189030.31.00	9.89
	48742554	Town Clerk Supplies	Linen Paper	001.005.5142030.31.00	126.73
63651	Security Solutions NW				65.14
	400438	Managed Access of Public Restroom Doors	Managed Access of Public Restroom Doors	130.086.5573040.41.00	65.14
63652	US Postal Service				376.00
	219-2026	PO Box Service Fee | 06/01/26-05/31/27	PO Box Service Fee | 06/01/26-05/31/27	001.008.5189040.42.05	376.00
63653	Utilities Underground Location Center				13.80
	6040756	Excavation Notices	10 Excavation Notices | April	410.008.5340040.49.01	4.60
				420.008.5350040.49.01	4.60
				450.008.5310040.49.01	4.60

Warrant #	Vendor Name / Payable Number	Payable Description	Item Description	Account Number	Payment Amount / Distribution Amount
63654	WA State Dept of Commerce				67,702.95
	PWTF-253958	PW-07-962-011 | Relocate Sewer Inceptor	PW-07-962-011 | Relocate Sewer Inceptor	428.290.5913570.72.07	46,084.21
			PW-07-962-011 | Relocate Sewer Inceptor	428.290.5923580.83.07	460.84
	PWTF-257540	PW-06-962-PRE-114 | Relocate Sewer Interceptor	PW-06-962-PRE-114 | Relocate Sewer Interceptor	428.290.5913570.72.06	21,052.64
			PW-06-962-PRE-114 | Relocate Sewer Interceptor	428.290.5923580.83.06	105.26
			Total Claims: 18	**Total Payment Amount:**	**138,440.04**

Town of Friday Harbor
60 Second St S • PO Box 219 • Friday Harbor, WA 98250
Office: (360) 378-2810 • Fax: (360) 378-2380 • www.fridayharbor.org

Finance Director Approval of Claims Against the Town
Issuance of Claims & Payroll Warrants

Pursuant to Friday Harbor Municipal Code 3.08.010 each supervisory official of the Town is designated to be an auditing officer with respect to all operations of their department or activity for the purpose of authenticating and certifying that material has been furnished, that services have been rendered, that labor has been performed, and that the claim is just, due and an unpaid obligation against the Town. All claims listed below and on the attached register have been certified by the respective supervisory officials. In the event the Town Council disapproves any claim, the Finance Director shall cause the disapproved claim to be recognized as receivables of the Town and shall pursue collection.

I, the Finance Director and designated auditing official of the Town of Friday Harbor, San Juan County, Washington, do hereby certify under penalty of perjury that the materials have been furnished, the services rendered or the labor performed as described, or that any advance payment is due and payable pursuant to a contract or is available as an option for full or partial fulfillment of a contractual obligation, and that the claim is a just, due and unpaid obligation against the Town, and that I am authorized to authenticate and certify to said claim.

Additionally, I, the Finance Director and designated auditing official of the Town of Friday Harbor, San Juan County, Washington do hereby certify under penalty of perjury that any employee or Town official reimbursement claim is a just, due and unpaid obligation against the Town, and that I am authorized to certify to said claim.

The following vouchers, warrants, and electronic payments are approved for payment:

Type	Numbers	Dated	In the Amount of
Regular Claims			
Warrants:	63655-63690	05/21/26	$232,511.42
Electronic Payments:			
Payroll Claims			
Warrants:			
Electronic Payments:			
		Total Claims:	$232,511.42

Reviewed by Finance Director: _____ 05/21/2026
Signature Date

Town of Friday Harbor

My Council Check Register

By Check Number

Date Range: 05/21/2026 - 05/21/2026

Vendor Name	Payment Date	Payment Type	Payment Amount	Number
Amazon Capital Services, Inc	05/21/2026	Regular	11,980.61	63655
Berk	05/21/2026	Regular	802.50	63656
Browne's Home Center a Division of TAL Holdin	05/21/2026	Regular	1,054.14	63657
Cattle Point Rock and Topsoil, LLC	05/21/2026	Regular	286.04	63658
CDW Government LLC	05/21/2026	Regular	6,951.86	63659
CenturyLink	05/21/2026	Regular	758.46	63660
Exact Scientific Services, Inc.	05/21/2026	Regular	602.00	63661
FedEx	05/21/2026	Regular	44.99	63662
Friday Harbor Electric	05/21/2026	Regular	3,816.88	63663
Harbor Rental & Saw Shop	05/21/2026	Regular	964.80	63664
Infosend Inc	05/21/2026	Regular	1,009.86	63665
Island Petroleum Service	05/21/2026	Regular	12,016.91	63666
JAC 330 Spring San Juan, LLC	05/21/2026	Regular	2,724.82	63667
Lautenbach Industries LLC	05/21/2026	Regular	19,503.91	63668
Les Schwab Tire Center	05/21/2026	Regular	952.27	63669
Mason, Shane	05/21/2026	Regular	90.45	63670
Mike Carlson Enterprises, Inc	05/21/2026	Regular	3,893.82	63671
NCL of Wisconsin, Inc	05/21/2026	Regular	5,786.86	63672
Ogden Murphy Wallace PLLC	05/21/2026	Regular	12,658.40	63673
Printonyx, Inc	05/21/2026	Regular	4.39	63674
Quill Corporation	05/21/2026	Regular	39.89	63675
San Juan Automotive Center	05/21/2026	Regular	25.38	63676
SJC Auditor	05/21/2026	Regular	304.50	63677
SJC District Court	05/21/2026	Regular	5,983.80	63678
SJC Economic Development Council	05/21/2026	Regular	4,945.08	63679
SJC Sheriff's Office	05/21/2026	Regular	45,683.21	63680
Sound Publishing, Inc.	05/21/2026	Regular	129.11	63681
Sterling Office Services, LLC	05/21/2026	Regular	60.17	63682
The Whale Museum	05/21/2026	Regular	5,027.09	63683
Uline Inc	05/21/2026	Regular	131.41	63684
USABlueBook	05/21/2026	Regular	80.32	63685
Veolia Water Technologies, Inc	05/21/2026	Regular	5,000.02	63686
WA State Auditor's Office	05/21/2026	Regular	3,033.65	63687
WA State DOT - Ferries	05/21/2026	Regular	124.70	63688
Wells Fargo Vendor Financial Services LLC	05/21/2026	Regular	227.09	63689
Wilson Engineering LLC	05/21/2026	Regular	75,812.03	63690

Bank Code AP/PY Warrant Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	91	36	0.00	232,511.42
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	0.00
Bank Drafts	0	0	0.00	0.00
EFT's	0	0	0.00	0.00
	91	**36**	**0.00**	**232,511.42**

Report Summary

Fund Summary

Fund	Payment Amount
001 - General Operating Fund	74,562.30
101 - Street Operating Fund	7,292.96
130 - Special Revenue - Hotel/Motel Tax 1st	1.90
131 - Special Revenue - Hotel/Motel Tax 2nd	5,027.09
410 - Water Operating Fund	14,271.16
420 - Sewer Operating Fund	22,885.83
422 - Sewer Capital Reserve - Projects	75,812.03
430 - Refuse Operating Fund	30,457.13
450 - Stormwater Operating Fund	2,201.02
Grand Total:	**232,511.42**

Account Summary

Account Number	Account Name	Payment Amount
001.001.5116040.41.07	Prof Svs - Economic Development	4,945.08
001.002.5125240.41.01	Contracted Court - SJC District Court	5,983.80
001.004.5142040.41.03	Prof Svs - State Audit	354.63
001.006.5154140.40.00	Legal Services - External Advice	7,558.00
001.007.5188030.31.00	Supplies	3,206.43
001.008.5189030.31.00	Supplies	171.30
001.008.5189030.32.01	Fuel - Vehicle & Equipment	76.11
001.008.5189040.41.08	Prof Svs - Mailing Insert	160.65
001.008.5189040.42.02	Internet Svs	42.61
001.008.5189040.48.51	R&M - Generator	3,670.20
001.020.5217040.41.01	Contract - SJC Sheriff	45,683.21
001.030.5586040.40.00	Legal	316.80
001.030.5586040.41.04	Prof Svs - Comp Plan Analysis	802.50
001.030.5586040.41.11	Prof Svs - SJC Recordings	304.50
001.030.5586040.44.00	Advertising	129.11
001.030.5915870.70.01	Long-Term Lease - CDP Wide Format Scanner/Printer	227.09
001.700.5768030.31.00	Supplies	356.85
001.700.5768030.32.00	Fuel	283.96
001.700.5768030.35.00	Small Tools & Minor Equipment	289.47
101.004.5433040.41.03	Prof Svs - State Audit	132.27
101.007.5433030.31.00	Supplies	1,334.57
101.610.5423030.31.00	Supplies	419.13
101.610.5423030.32.00	Fuel	1,577.51
101.610.5423030.35.00	Small Tools & Minor Equipment	289.48
101.610.5423040.41.00	Prof Svs - Misc	146.68
101.610.5423040.48.10	R&M - Vehicle	317.48
101.650.5919570.70.51	Long-Term Rent - Spring St Parking Lot	2,724.82
101.800.5429030.31.00	Supplies	55.33
101.800.5429030.32.00	Fuel	161.53
101.800.5429030.35.00	Small Tools & Minor Equipment	121.69
101.800.5429040.43.00	Travel/Training	12.47
130.086.5573030.31.01	Supplies - Restrooms	1.90
131.086.5573040.41.08	LTAC Grant - Whale Museum	5,027.09
410.004.5340030.31.00	Supplies	17.50
410.004.5340040.41.03	Prof Svs - State Audit	583.07
410.004.5340040.41.04	Prof Svs - Utility Bills	212.31
410.006.5340040.40.00	Legal	4,783.60
410.007.5340030.31.00	Supplies	4,281.11
410.008.5340030.32.00	Fuel	48.48
410.110.5340030.31.00	Supplies	172.94
410.110.5340030.32.01	Fuel - Vehicle & Equipment	365.22
410.110.5340040.41.04	Prof Svs - Water Testing	39.66
410.110.5340040.42.02	Internet Svs	206.73
410.111.5340030.32.00	Fuel	75.97
410.111.5340040.42.02	Internet Svs	149.72

Account Summary

Account Number	Account Name	Payment Amount
410.120.5340030.31.00	Supplies	535.39
410.120.5340030.32.00	Fuel	1,721.08
410.120.5340040.41.00	Prof Svs - Misc	64.56
410.120.5340040.41.01	Prof Svs - Water Testing	124.67
410.120.5340040.42.02	Internet Svs	203.01
410.120.5340040.45.00	Equipment Rental	66.19
410.120.5340040.48.10	R&M - Vehicle	317.39
410.800.5340030.31.00	Supplies	55.32
410.800.5340030.32.00	Fuel	113.08
410.800.5340030.35.00	Small Tools & Minor Equipment	121.69
410.800.5340040.43.00	Travel/Training	12.47
420.004.5350030.31.00	Supplies	17.50
420.004.5350040.41.03	Prof Svs - State Audit	1,758.60
420.004.5350040.41.04	Prof Svs - Utility Bills	212.30
420.007.5350030.31.00	Supplies	4,021.09
420.008.5350030.32.00	Fuel	195.39
420.008.5350040.42.02	Internet Svs	156.39
420.210.5350030.31.00	Supplies	5,634.97
420.210.5350030.31.02	Supplies - Lab	5,786.86
420.210.5350030.32.00	Fuel	202.69
420.210.5350030.32.02	Fuel - Generator	2,719.73
420.210.5350040.41.01	Prof Svs - Effluent/Influent Testing	482.66
420.210.5350040.41.17	Prof Svs - Refuse Disposal	33.56
420.220.5350030.31.00	Supplies	190.03
420.220.5350030.32.00	Fuel	854.10
420.220.5350040.48.10	R&M - Vehicle	317.40
420.800.5350030.31.00	Supplies	55.33
420.800.5350030.32.00	Fuel	113.07
420.800.5350030.35.00	Small Tools & Minor Equipment	121.69
420.800.5350040.43.00	Travel/Training	12.47
422.285.5943560.63.27	Improvement - Wastewater Treatment Plant Upgrade	75,812.03
430.004.5370030.31.00	Supplies	17.50
430.004.5370040.41.03	Prof Svs - State Audit	144.71
430.004.5370040.41.04	Prof Svs - Utility Bills	212.30
430.007.5370030.31.00	Supplies	2,929.15
430.371.5370030.31.00	Supplies	297.86
430.371.5370030.32.00	Fuel	2,877.93
430.371.5370040.41.02	Prof Svs - Disposal Refuse	14,326.75
430.371.5370040.41.03	Prof Svs - Disposal Compactor	2,667.10
430.371.5370040.48.10	R&M - Vehicle	3,893.82
430.372.5370030.32.00	Fuel	361.41
430.372.5370040.41.01	Prof Svs - Disposal Recycle	2,476.50
430.800.5370030.31.00	Supplies	55.33
430.800.5370030.32.00	Fuel	62.61
430.800.5370030.35.00	Small Tools & Minor Equipment	121.69
430.800.5370040.43.00	Travel/Training	12.47
450.004.5310030.31.00	Supplies	17.52
450.004.5310040.41.03	Prof Svs - State Audit	60.37
450.004.5310040.41.04	Prof Svs - Utility Bills	212.30
450.007.5310030.31.00	Supplies	1,559.87
450.800.5310030.31.00	Supplies	55.31
450.800.5310030.32.00	Fuel	161.51
450.800.5310030.35.00	Small Tools & Minor Equipment	121.67
450.800.5310040.43.00	Travel/Training	12.47
	Grand Total:	**232,511.42**

Project Account Summary

Project Account Key	Payment Amount
None	167,813.35
C.42.20.04-Construction	63,895.57
R0010846-Design	802.50
Grand Total:	**232,511.42**

Town of Friday Harbor

My Council Claims Register Detail Multiple Packets

APPKT05789 - 2026-05-21 Warrants

By Docket/Claim Number

Warrant #	Vendor Name / Payable Number	Payable Description	Item Description	Account Number	Payment Amount / Distribution Amount
63655	Amazon Capital Services, Inc				11,980.61
	14V1-PXXJ-6363	Sys Admin | Server Upgrades	SU: Black Carbon Radiator	001.007.5188030.31.00	101.95
				101.007.5433030.31.00	42.43
				410.007.5340030.31.00	136.12
				420.007.5350030.31.00	127.86
				430.007.5370030.31.00	93.14
				450.007.5310030.31.00	49.60
	16KN-WDF6-NPXK	Sys Admin | Server Upgrades	SU: Omnikey	001.007.5188030.31.00	45.57
				101.007.5433030.31.00	18.97
				410.007.5340030.31.00	60.84
				420.007.5350030.31.00	57.15
				430.007.5370030.31.00	41.63
				450.007.5310030.31.00	22.17
			SU: Smart Card Reader	001.007.5188030.31.00	4.18
				101.007.5433030.31.00	1.74
				410.007.5340030.31.00	5.57
				420.007.5350030.31.00	5.24
				430.007.5370030.31.00	3.82
				450.007.5310030.31.00	2.03
	17G7-PCNJ-CYLY	Sys Admin | Server Upgrades	SU: Cooling Fan	001.007.5188030.31.00	154.18
				101.007.5433030.31.00	64.17
				410.007.5340030.31.00	205.84
				420.007.5350030.31.00	193.35
				430.007.5370030.31.00	140.84
				450.007.5310030.31.00	75.01
			SU: Fan Hub	001.007.5188030.31.00	21.59
				101.007.5433030.31.00	8.99
				410.007.5340030.31.00	28.83
				420.007.5350030.31.00	27.08
				430.007.5370030.31.00	19.72
				450.007.5310030.31.00	10.50
	17Q7-T19C-7TKR	Public Works Supplies	30 Pk Toilet Paper	101.800.5429030.31.00	5.48
				410.800.5340030.31.00	5.47
				420.800.5350030.31.00	5.48
				430.800.5370030.31.00	5.48
				450.800.5310030.31.00	5.48
			Promotions	101.800.5429030.31.00	-0.27
				410.800.5340030.31.00	-0.27
				420.800.5350030.31.00	-0.27
				430.800.5370030.31.00	-0.27
				450.800.5310030.31.00	-0.29
	1C7J-TY3C-QH7V	Sys Admin | Server Upgrades	SU: Flat Washer	001.007.5188030.31.00	1.97
				101.007.5433030.31.00	0.82

Warrant #	Vendor Name / Payable Number	Payable Description	Item Description	Account Number	Payment Amount / Distribution Amount
	1C7J-TY3C-QH7V	Sys Admin | Server Upgrades	SU: Flat Washer	410.007.5340030.31.00	2.62
				420.007.5350030.31.00	2.47
				430.007.5370030.31.00	1.80
				450.007.5310030.31.00	0.96
			SU: Flat Washers	001.007.5188030.31.00	1.70
				101.007.5433030.31.00	0.71
				410.007.5340030.31.00	2.27
				420.007.5350030.31.00	2.14
				430.007.5370030.31.00	1.56
				450.007.5310030.31.00	0.83
			SU: Hex Socket Cap Screw Bolts	001.007.5188030.31.00	3.25
				101.007.5433030.31.00	1.35
				410.007.5340030.31.00	4.35
				420.007.5350030.31.00	4.08
				430.007.5370030.31.00	2.97
				450.007.5310030.31.00	1.58
			SU: Hex Socket Cap Screws	001.007.5188030.31.00	3.25
				101.007.5433030.31.00	1.35
				410.007.5340030.31.00	4.35
				420.007.5350030.31.00	4.08
				430.007.5370030.31.00	2.97
				450.007.5310030.31.00	1.58
	1DWT-XNFT-F7GM	Public Works Supplies	Monthly Planner	101.800.5429030.31.00	2.17
				410.800.5340030.31.00	2.17
				420.800.5350030.31.00	2.17
				430.800.5370030.31.00	2.17
				450.800.5310030.31.00	2.17
	1FJ4-6KLR-DXTX	Sys Admin | Server Upgrades	SU: Copper Battery Inverter Cables	001.007.5188030.31.00	13.62
				101.007.5433030.31.00	5.67
				410.007.5340030.31.00	18.19
				420.007.5350030.31.00	17.08
				430.007.5370030.31.00	12.45
				450.007.5310030.31.00	6.63
	1GNC-9LCK-VPWY	Refuse Supplies	Stardust Spill Kit	430.371.5370030.31.00	176.02
	1GW1-TR9H-LHGF	PW Supplies	Cabinet Key Lock Box	101.800.5429030.31.00	5.02
				410.800.5340030.31.00	5.01
				420.800.5350030.31.00	5.02
				430.800.5370030.31.00	5.02
				450.800.5310030.31.00	5.02
			Coat Rack	101.800.5429030.31.00	3.09
				410.800.5340030.31.00	3.10
				420.800.5350030.31.00	3.09
				430.800.5370030.31.00	3.09

Warrant #	Vendor Name / Payable Number	Payable Description	Item Description	Account Number	Payment Amount / Distribution Amount
	1GW1-TR9H-LHGF	PW Supplies	Coat Rack	450.800.5310030.31.00	3.09
			Frosted Glass Film	101.800.5429030.31.00	4.15
				410.800.5340030.31.00	4.17
				420.800.5350030.31.00	4.17
				430.800.5370030.31.00	4.17
				450.800.5310030.31.00	4.17
			Privacy Film for Glass	101.800.5429030.31.00	3.91
				410.800.5340030.31.00	3.90
				420.800.5350030.31.00	3.91
				430.800.5370030.31.00	3.91
				450.800.5310030.31.00	3.91
			Tension Curtain Rod	101.800.5429030.31.00	5.83
				410.800.5340030.31.00	5.81
				420.800.5350030.31.00	5.81
				430.800.5370030.31.00	5.81
				450.800.5310030.31.00	5.81
	1GWP-3JD6-FX1F	Parks Supplies	Water Pressure Pump	001.700.5768030.31.00	273.64
	1JQH-NYP9-T4J9	Sys Admin | Server Upgrade	SU: Server RAM Memory Upgrade Modules	001.007.5188030.31.00	904.92
				101.007.5433030.31.00	376.64
				410.007.5340030.31.00	1,208.20
				420.007.5350030.31.00	1,134.82
				430.007.5370030.31.00	826.66
				450.007.5310030.31.00	440.23
	1MK3-QQL7-TLV1	PW Supplies	2 Pk Shower Curtain Rods	101.800.5429030.31.00	6.40
				410.800.5340030.31.00	6.39
				420.800.5350030.31.00	6.40
				430.800.5370030.31.00	6.40
				450.800.5310030.31.00	6.40
			Round Coffee Table	101.800.5429030.31.00	19.55
				410.800.5340030.31.00	19.57
				420.800.5350030.31.00	19.55
				430.800.5370030.31.00	19.55
				450.800.5310030.31.00	19.55
	1MW4-MGQX-373C	Sys Admin | Server Upgrades	SU: Dell PERCNV Cache	001.007.5188030.31.00	36.81
				101.007.5433030.31.00	15.32
				410.007.5340030.31.00	49.15
				420.007.5350030.31.00	46.17
				430.007.5370030.31.00	33.63
				450.007.5310030.31.00	17.91
	1NVD-RTM1-D7HC	PW Supplies	Canon GX7120 Megatank Printer with Ink	101.800.5429030.35.00	121.69
				410.800.5340030.35.00	121.69
				420.800.5350030.35.00	121.69
				430.800.5370030.35.00	121.69

Warrant #	Vendor Name / Payable Number	Payable Description	Item Description	Account Number	Payment Amount / Distribution Amount
	1NVD-RTM1-D7HC	PW Supplies	Canon GX7120 Megatank Printer with Ink	450.800.5310030.35.00	121.67
	1QX7-LRK-LT6Q	Invoice # 1QX7-LRKJ-LT6Q Credit | EV3 NFC Cards	SU: Return EV3 NFC Cards	001.007.5188030.31.00	-36.17
				101.007.5433030.31.00	-15.05
				410.007.5340030.31.00	-48.28
				420.007.5350030.31.00	-45.36
				430.007.5370030.31.00	-33.04
				450.007.5310030.31.00	-17.60
			SU: Wireless Keyboards	001.007.5188030.31.00	-48.24
				101.007.5433030.31.00	-20.08
				410.007.5340030.31.00	-64.39
				420.007.5350030.31.00	-60.49
				430.007.5370030.31.00	-44.07
				450.007.5310030.31.00	-23.47
	1R9W-WFY9-FT9T	Sys Admin | Server Upgrades	SU: Battery Charger	001.007.5188030.31.00	96.52
				101.007.5433030.31.00	40.17
				410.007.5340030.31.00	128.86
				420.007.5350030.31.00	121.04
				430.007.5370030.31.00	88.17
				450.007.5310030.31.00	46.95
			SU: Lithium Battery	001.007.5188030.31.00	340.38
				101.007.5433030.31.00	141.67
				410.007.5340030.31.00	454.45
				420.007.5350030.31.00	426.85
				430.007.5370030.31.00	310.94
				450.007.5310030.31.00	165.59
			SU: Promotions	001.007.5188030.31.00	-8.51
				101.007.5433030.31.00	-3.54
				410.007.5340030.31.00	-11.36
				420.007.5350030.31.00	-10.67
				430.007.5370030.31.00	-7.77
				450.007.5310030.31.00	-4.15
	1RN3-Y3MN-7W6N	WWTP Supplies	Milwaukee M18 Fuel Blower	420.210.5350030.31.00	195.52
	1RQT-K1HJ-R7G9	Sys Admin | Server Upgrades	SU: 3-Tier Shelving	001.007.5188030.31.00	51.55
				101.007.5433030.31.00	21.46
				410.007.5340030.31.00	68.82
				420.007.5350030.31.00	64.64
				430.007.5370030.31.00	47.09
				450.007.5310030.31.00	25.08
	1WNK-TF1F-6QRL	Finance Office Supplies	Delinquency Notices	410.004.5340030.31.00	17.50
				420.004.5350030.31.00	17.50
				430.004.5370030.31.00	17.50
				450.004.5310030.31.00	17.52
	1YYC-7RNP-9J9K	Sys Admin | Server Upgrades	SU: 8 Channel Fan Hub	001.007.5188030.31.00	7.20

Warrant #	Vendor Name / Payable Number	Payable Description	Item Description	Account Number	Payment Amount / Distribution Amount
	1YYC-7RNP-9J9K	Sys Admin | Server Upgrades	SU: 8 Channel Fan Hub	101.007.5433030.31.00	3.00
				410.007.5340030.31.00	9.63
				420.007.5350030.31.00	9.03
				430.007.5370030.31.00	6.58
				450.007.5310030.31.00	3.50
			SU: Cooling Fan	001.007.5188030.31.00	46.71
				101.007.5433030.31.00	19.44
				410.007.5340030.31.00	62.38
				420.007.5350030.31.00	58.58
				430.007.5370030.31.00	42.67
				450.007.5310030.31.00	22.72
			SU: Copper Batter Inverter Cables	001.007.5188030.31.00	40.87
				101.007.5433030.31.00	17.01
				410.007.5340030.31.00	54.57
				420.007.5350030.31.00	51.26
				430.007.5370030.31.00	37.34
				450.007.5310030.31.00	19.88
			SU: Disconnect Switch	001.007.5188030.31.00	33.09
				101.007.5433030.31.00	13.77
				410.007.5340030.31.00	44.19
				420.007.5350030.31.00	41.50
				430.007.5370030.31.00	30.23
				450.007.5310030.31.00	16.10
			SU: Inverter Cables	001.007.5188030.31.00	30.53
				101.007.5433030.31.00	12.71
				410.007.5340030.31.00	40.76
				420.007.5350030.31.00	38.28
				430.007.5370030.31.00	27.89
				450.007.5310030.31.00	14.85
			SU: Powerbar 1000 Stud	001.007.5188030.31.00	73.42
				101.007.5433030.31.00	30.56
				410.007.5340030.31.00	98.03
				420.007.5350030.31.00	92.08
				430.007.5370030.31.00	67.07
				450.007.5310030.31.00	35.72
63656	Berk				802.50
	10846-04-26	R0010846 | 2025 Comp Plan	Task 8 - Final Comprehensive Plan 04/1/26-04/30/26	001.030.5586040.41.04	802.50

Warrant #	Vendor Name / Payable Number	Payable Description	Item Description	Account Number	Payment Amount / Distribution Amount
63657	Browne's Home Center a Division of TAL Holdings LL(				1,054.14
	6000-3632777	WWTP Supplies	Channellock Pliers	420.210.5350030.31.00	38.46
			Locking Pliers	420.210.5350030.31.00	22.35
	6000-3639331	Water Distribution Supplies	Diagonal Cut Pliers	410.120.5340030.31.00	25.81
			Fine Point Marker	410.120.5340030.31.00	4.73
			Trimmer Line	410.120.5340030.31.00	27.96
	6000-3647958	WWTP Supplies	Combi Wrench	420.220.5350030.31.00	63.86
	6000-3647979	Water Distribution Supplies	Caution Tape	410.120.5340030.31.00	15.06
	6000-3647990	Water Distribution Supplies	Concrete Mix	410.120.5340030.31.00	75.88
	6000-3652624	Refuse Supplies	Case Water	430.371.5370030.31.00	15.84
	6000-3655584	Parks Supplies	Bubbler	001.700.5768030.31.00	30.29
	6000-3656554	Street Supplies	Ferrules	101.610.5423030.31.00	13.26
			Hammer	101.610.5423030.31.00	27.92
			Wire Rope Thimble	101.610.5423030.31.00	4.41
	6000-3660308	Water Distribution Supplies	Recip Saw Blade	410.120.5340030.31.00	117.08
	6000-3660827	Parks Supplies	Bubbler	001.700.5768030.31.00	8.82
			Full Circle Bubbler	001.700.5768030.31.00	14.89
	6000-3664120	Plug	Plug	001.700.5768030.31.00	5.26
	6000-3664180	Public Restroom Supplies	Button Socket	130.086.5573030.31.01	1.39
			Hex Nuts	130.086.5573030.31.01	0.51
	6000-3666551	WWTP Supplies	Adhesive	420.220.5350030.31.00	11.58
	6000-3672999	Parks Supplies	Hose Clamp	001.700.5768030.31.00	13.26
	6000-3673006	Refuse Supplies	Oil-Dri	430.371.5370030.31.00	15.16
	6000-3673739	WWTP Supplies	Solid Ant Bait	420.220.5350030.31.00	8.21
	6000-3677404	Street Supplies	5 Pk Snap off Knives	101.610.5423030.31.00	10.52
			Garden Valve	101.610.5423030.31.00	36.35
			Thread Seal Tape	101.610.5423030.31.00	1.47
			Weed Killer	101.610.5423030.31.00	125.62
	6000-3677737	WWTP Supplies	Hose	420.210.5350030.31.00	95.89
	6000-3679970	WWTP Supplies	Organizer	420.220.5350030.31.00	73.74
			Storage Tote	420.220.5350030.31.00	10.52
			Wastebasket	420.220.5350030.31.00	22.12
	6000-3682348	WWTP Supplies	3 Piece Socket Adapter Set	420.210.5350030.31.00	14.54
			Ratchet	420.210.5350030.31.00	58.55
	6000-3685570	Parks Supplies	Bubbler	001.700.5768030.31.00	10.69
	6000-3688423	WWTP Supplies	Flat Washer	420.210.5350030.31.00	0.83
			Hex Cap Screw	420.210.5350030.31.00	1.54
			SS Nut	420.210.5350030.31.00	1.76
	6000-3691700	WWTP Supplies	Wedge	420.210.5350030.31.00	28.01
63658	Cattle Point Rock and Topsoil, LLC				286.04
	4726	Street & Water Supplies	Topsoil	101.610.5423030.31.00	143.02
				410.120.5340030.31.00	143.02

Warrant #	Vendor Name / Payable Number	Payable Description	Item Description	Account Number	Payment Amount / Distribution Amount
63659	CDW Government LLC				6,951.86
	AJ3AF9M	Sys Admin | Server Upgrades	SU: Axiom SAS 12G	001.007.5188030.31.00	1,286.09
				101.007.5433030.31.00	535.29
				410.007.5340030.31.00	1,717.12
				420.007.5350030.31.00	1,612.83
				430.007.5370030.31.00	1,174.86
				450.007.5310030.31.00	625.67
63660	CenturyLink				758.46
	2026-05 CenturyLink	Internet 05/06/26-06/05/26	Internet 05/06/26-06/05/26	001.008.5189040.42.02	42.61
				410.110.5340040.42.02	206.73
				410.111.5340040.42.02	149.72
				410.120.5340040.42.02	80.96
				410.120.5340040.42.02	122.05
				420.008.5350040.42.02	156.39
63661	Exact Scientific Services, Inc.				602.00
	26-08543	Monthly Nutrient Testing	Monthly Nutrient Testing	420.210.5350040.41.01	455.00
	26-09531	Coliform Testing	1033 Harborview	410.120.5340040.41.01	29.00
			1253 Argyle	410.120.5340040.41.01	29.00
			127 Gilbert Ln	410.120.5340040.41.01	29.00
			375 Spruce St	410.120.5340040.41.01	29.00
	26-09532	Coliform Testing | Raw Water Sample	Coliform Testing | Raw Water Sample	410.110.5340040.41.04	31.00
63662	FedEx				44.99
	9-288-37931 | 818283489376	Wastewater Samples to Edge Analytical	Wastewater Samples to Edge Analytical	420.210.5350040.41.01	27.66
	9-299-20316 | 816989342601	Water Samples to Exact Scientific	Water Samples to Exact Scientific	410.110.5340040.41.04	8.66
				410.120.5340040.41.01	8.67
63663	Friday Harbor Electric				3,816.88
	28543	Temporary Generator Hookup	Temporary Generator Hookup	001.008.5189040.48.51	3,670.20
	28547	Street Light Troubleshooting	Street Light Troubleshooting	101.610.5423040.41.00	146.68
63664	Harbor Rental & Saw Shop				964.80
	547082	Refuse Supplies	Funnel	430.371.5370030.31.00	5.42
			Premix Gas & Oil	430.371.5370030.31.00	60.04
	547600	WTP Supplies	10" Wedges	410.110.5340030.31.00	58.61
			12" Wedges	410.110.5340030.31.00	23.88
	547601	Parks & Street Small Tool	22" Toro 21445 Mower SN 417583510	001.700.5768030.35.00	271.08
				101.610.5423030.35.00	271.08
			Side Discharge for Mower	001.700.5768030.35.00	18.39
				101.610.5423030.35.00	18.40
	547900	Streets Supplies	Propane	101.610.5423030.31.00	56.56
	547902	WWTP Supplies	Blade	420.210.5350030.31.00	115.15
	547977	Rental: JackHammer	Damage Waiver	410.120.5340040.45.00	0.54
			Rental: JackHammer	410.120.5340040.45.00	65.65

Warrant #	Vendor Name / Payable Number	Payable Description	Item Description	Account Number	Payment Amount / Distribution Amount
63665	Infosend Inc				1,009.86
	308947	Utility Bills	April Utility Bills	410.004.5340040.41.04	212.31
				420.004.5350040.41.04	212.30
				430.004.5370040.41.04	212.30
				450.004.5310040.41.04	212.30
			Hazardous Waste Flyer	001.008.5189040.41.08	160.65
63666	Island Petroleum Service				12,016.91
	000160 | CFSI-24170	Fuel	April Fuel	001.008.5189030.32.01	76.11
				001.700.5768030.32.00	283.96
				101.610.5423030.32.00	1,577.51
				101.800.5429030.32.00	161.53
				410.008.5340030.32.00	48.48
				410.110.5340030.32.01	365.22
				410.111.5340030.32.00	75.97
				410.120.5340030.32.00	1,721.08
				410.800.5340030.32.00	113.08
				420.008.5350030.32.00	195.39
				420.210.5350030.32.00	202.69
				420.220.5350030.32.00	854.10
				420.800.5350030.32.00	113.07
				430.371.5370030.32.00	2,877.93
				430.372.5370030.32.00	361.41
				430.800.5370030.32.00	62.61
				450.800.5310030.32.00	161.51
	07084	WWTP Generator Fuel	WWTP Generator Fuel	420.210.5350030.32.02	2,719.73
	10654	Water Distribution Supplies	DEF	410.120.5340030.31.00	45.53
63667	JAC 330 Spring San Juan, LLC				2,724.82
	2026-06 JAC	June Municipal Rent	June Rent 06/01/2026-06/30/2026	101.650.5919570.70.51	2,281.00
			June Rent Property Tax	101.650.5919570.70.51	443.82
63668	Lautenbach Industries LLC				19,503.91
	SJT260430-01	Tipping Fees: 04/27/26-04/30/26	Compactor	430.371.5370040.41.03	402.75
			Recycle	430.372.5370040.41.01	208.00
			Refuse	430.371.5370040.41.02	5,361.06
			WWTP	420.210.5350040.41.17	33.56
	SJT260503-02	Tipping Fees: 05/01/26	Recycle	430.372.5370040.41.01	390.00
			Refuse	430.371.5370040.41.02	1,570.73
	SJT260510-01	Tipping Fees: 05/04/26-05/08/26	Compactor	430.371.5370040.41.03	2,264.35
			Recycle	430.372.5370040.41.01	1,878.50
			Refuse	430.371.5370040.41.02	7,394.96

Warrant #	Vendor Name / Payable Number	Payable Description	Item Description	Account Number	Payment Amount / Distribution Amount
63669	Les Schwab Tire Center				952.27
	41600599419	Tire Installation | 410 E Cabbed Backhoe	Tire Fee	101.610.5423040.48.10	3.33
				410.120.5340040.48.10	3.33
				420.220.5350040.48.10	3.34
			Tire Installation | 410 E Cabbed Backhoe	101.610.5423040.48.10	314.15
				410.120.5340040.48.10	314.06
				420.220.5350040.48.10	314.06
63670	Mason, Shane				90.45
	043026 Mason	Misc Expense Voucher | Coffee Maker	Misc Expense Voucher | Coffee Maker	410.110.5340030.31.00	90.45
63671	Mike Carlson Enterprises, Inc				3,893.82
	36449	Repair & Parts 2021 Refuse Truck 69083D	2021 Refuse Truck 69083D | Gaskets, V-Clamps	430.371.5370040.48.10	3,893.82
63672	NCL of Wisconsin, Inc				5,786.86
	535693	WWTP Supplies	Filter Funnel	420.210.5350030.31.02	5,786.86
63673	Ogden Murphy Wallace PLLC				12,658.40
	926743	Legal Expenses 03/01/26-03/31/26	Administration	001.006.5154140.40.00	2,288.00
			Administration	001.006.5154140.40.00	934.40
			CDP	001.030.5586040.40.00	316.80
			Finance- Utility Liens	001.006.5154140.40.00	3,103.60
			Losh vs Town of Friday Harbor	410.006.5340040.40.00	4,783.60
			Personnel	001.006.5154140.40.00	1,232.00
63674	Printonyx, Inc				4.39
	I1001-159706	Water Tank Manual	Water Tank Manual	410.120.5340040.41.00	4.39
63675	Quill Corporation				39.89
	48895972	Town Hall Supplies	Bounty Paper Towels	001.008.5189030.31.00	39.89
63676	San Juan Automotive Center				25.38
	202374	Refuse Supplies	Headlight Bulb	430.371.5370030.31.00	25.38
63677	SJC Auditor				304.50
	2026-0427013	Recording Fees: Covenant for ADU - Wangoe	Recording Fees: Covenant for ADU - Wangoe	001.030.5586040.41.11	304.50
63678	SJC District Court				5,983.80
	2026-05 SJCDC	SJC District Court - Monthly Contract - May	May Contract	001.002.5125240.41.01	5,983.80
63679	SJC Economic Development Council				4,945.08
	2026-04 SJCEDC	2026-04 EDC Support & Tech Training	2026-04 EDC Support	001.001.5116040.41.07	3,910.67
			2026-04 EDC Tech Training	001.001.5116040.41.07	1,034.41
63680	SJC Sheriff's Office				45,683.21
	2026-05 Sheriff	May Contract	May Contract	001.020.5217040.41.01	45,683.21
63681	Sound Publishing, Inc.				129.11
	JSJ1029816	Town Notices | NOA LUA2026-0014	Town Notices | NOA LUA2026-0014	001.030.5586040.44.00	129.11
63682	Sterling Office Services, LLC				60.17
	10665880	Background Check | David Commodore	Background Check | David Commodore	410.120.5340040.41.00	60.17

Warrant #	Vendor Name / Payable Number	Payable Description	Item Description	Account Number	Payment Amount / Distribution Amount
63683	The Whale Museum				5,027.09
	1462	2026 LTAC Reimbursement	2026 LTAC Reimbursement	131.086.5573040.41.08	5,027.09
63684	Uline Inc				131.41
	207980101	Town Hall Supplies	Shelf Dividers for Storage Room	001.008.5189030.31.00	131.41
63685	USABlueBook				80.32
	INV00991702	Water Distribution Supplies	Caution Floor Sign	410.120.5340030.31.00	80.32
63686	Veolia Water Technologies, Inc				5,000.02
	26000437 RI 05700	WWTP Supplies	Cloth Filter PPG Frame Sym Gasket	420.210.5350030.31.00	5,000.02
63687	WA State Auditor's Office				3,033.65
	L175111	Audit 59332 | 23-24	04-26 Accountability, Financial, and IT Audit	001.004.5142040.41.03	354.63
				101.004.5433040.41.03	132.27
				410.004.5340040.41.03	583.07
				420.004.5350040.41.03	1,758.60
				430.004.5370040.41.03	144.71
				450.004.5310040.41.03	60.37
63688	WA State DOT - Ferries				124.70
	RK462415 | 81_6687303	Ferry Travel to P/U Chlorine at Summit Chemical	Ferry Travel to P/U Chlorine at Summit Chemical	420.210.5350030.31.00	62.35
	RK462415 | 81_6696808	Ferry Travel | Recycle Meeting	Ferry Travel | Recycle Meeting	101.800.5429040.43.00	12.47
				410.800.5340040.43.00	12.47
				420.800.5350040.43.00	12.47
				430.800.5370040.43.00	12.47
				450.800.5310040.43.00	12.47
63689	Wells Fargo Vendor Financial Services LLC				227.09
	5038737283	Lease Canon Wide Format Printer 05/28/26-06/27/	Lease Canon Wide Format Printer 05/28/26-06/27/26	001.030.5915870.70.01	227.09
63690	Wilson Engineering LLC				75,812.03
	20610	Project 2020048 | WWTP Design | Through 04/20/	Task 11: Inspection	422.285.5943560.63.27	11,916.46
			Task 8: Construction Phase	422.285.5943560.63.27	63,895.57
			Total Claims: 36	**Total Payment Amount:**	**232,511.42**

Town of Friday Harbor
60 Second St S • PO Box 219 • Friday Harbor, WA 98250
Office: (360) 378-2810 • Fax: (360) 378-2380 • www.fridayharbor.org

Finance Director Approval of Claims Against the Town
Issuance of Claims & Payroll Warrants

Pursuant to Friday Harbor Municipal Code 3.08.010 each supervisory official of the Town is designated to be an auditing officer with respect to all operations of their department or activity for the purpose of authenticating and certifying that material has been furnished, that services have been rendered, that labor has been performed, and that the claim is just, due and an unpaid obligation against the Town. All claims listed below and on the attached register have been certified by the respective supervisory officials. In the event the Town Council disapproves any claim, the Finance Director shall cause the disapproved claim to be recognized as receivables of the Town and shall pursue collection.

I, the Finance Director and designated auditing official of the Town of Friday Harbor, San Juan County, Washington, do hereby certify under penalty of perjury that the materials have been furnished, the services rendered or the labor performed as described, or that any advance payment is due and payable pursuant to a contract or is available as an option for full or partial fulfillment of a contractual obligation, and that the claim is a just, due and unpaid obligation against the Town, and that I am authorized to authenticate and certify to said claim.

Additionally, I, the Finance Director and designated auditing official of the Town of Friday Harbor, San Juan County, Washington do hereby certify under penalty of perjury that any employee or Town official reimbursement claim is a just, due and unpaid obligation against the Town, and that I am authorized to certify to said claim.

The following vouchers, warrants, and electronic payments are approved for payment:

Type	Numbers	Dated	In the Amount of
Regular Claims			
Warrants:			
Electronic Payments:			
Payroll Claims			
Warrants:	20299-20305	05/31/26	$12,094.82
Electronic Payments:	EFT 32 and DFT828-832	05/31/26	$377,323.49
		Total Claims:	$377,323.49

Reviewed by Finance Director: _____ 06/01/2026
Signature Date

Council Payroll Summary

Pay Period: 05/01/2026 - 05/31/2026

Direct Deposit Effective Date: 05/31/2026

Employee Name	Gross Pay
Anderson, Kasey	$9,744.52
Barringer, Michael	$5,004.72
Berry, Bethany	$10,405.05
Berry, Charles	$7,491.02
Berwald, Janelle	$4,944.26
Blackmon, Mateo	$4,539.36
Blackmon, William	$6,341.72
Byrne, Francis	$8,270.56
Carlshagen, Diane	$7,774.73
Compton, Joshua	$8,780.60
de Freitas, Anna Maria	$855.00
Dyer, Chelsey	$915.00
Ericson, Ryan	$13,062.17
Frazier, Toby	$7,423.26
Geffen, Richard	$670.54
Greene, Julie	$7,544.47
Gutierrez, Andres	$7,188.50
Henrie, James	$7,479.96
Hushebeck, Stephen	$670.54
King, Paul	$11,104.17
Krembs, Jennifer	$7,500.00
Kulseth, Denice	$15,802.08
Liptack, Michael	$11,958.33
Logsdon, Donald	$5,553.36
Mason, Shane	$8,878.94
Melic, Amer	$5,185.44
Minney, Patrick	$6,061.32
Ness, Shelby	$5,924.81
Nibler, Justin	$8,581.41
Nicholson, Joseph	$6,007.68
Pasic, Joseph	$8,556.25
Penwell, Robert	$6,824.61
Perrollaz, Evan	$1,396.00
Pranger, Matthew	$6,701.96
Pridgen, Melissa	$5,376.60
Slaughter, Nathan	$5,504.59
Smith, David	$6,060.64
Starr, Barbara	$670.54
Teasdale, Andrew	$6,883.80
Venegas, Gilberto	$5,382.50
Walter-Rognas, Leslie	$8,185.87
Wesserling, Richard	$6,892.74
	$ 280,099.62

Benefit Type	Employer Paid Portion
DCP Town Deduction	$1,315.00
Dental	$1,672.46
Health	$53,313.64
PERS2	$10,807.52
PERS3 - B - 45 plus	$692.09
PERS3 - C - Under 35	$414.22
PERS3 - D	$1,584.30
PERS3 - E	$1,365.90
PERS3 - F	$418.50
Vision	$418.78
	$72,002.41

Tax Type	Employer Paid Portion
LNI Adm ER	$310.66
LNI Ops ER	$3,862.34
MC	$3,989.55
SS	$17,058.91
	$25,221.46

Expense Type	Amount
Employee Direct Pay	$280,099.62
Employer Paid Benefits	$72,002.41
Employer Paid Taxes	$25,221.46
Total Payroll	**$377,323.49**

Town of Friday Harbor

Payroll Register
Transaction Detail
Issued Date Range: 05/29/2026 - 05/31/2026

Issued Date	Number	Description	Module	Type	Amount
Bank Draft					
Bank Account: SaviBank - Operating					
05/31/2026	DFT0000828	Nationwide Retirement Solutions	Accounts Payable	Bank Draft	68.00
05/31/2026	DFT0000829	AFLAC	Accounts Payable	Bank Draft	916.78
05/31/2026	DFT0000830	WA State Dept of Retirement	Accounts Payable	Bank Draft	49,208.18
05/31/2026	DFT0000831	AWC Employee Benefit Trust	Accounts Payable	Bank Draft	60,682.34
05/31/2026	DFT0000832	EFTPS | Payroll Taxes	Accounts Payable	Bank Draft	67,365.42
				Report Total: (5)	**178,240.72**
Check					
Bank Account: SaviBank - Clearing					
05/31/2026	20299	20299	Payroll	Check	609.40
05/31/2026	20300	Guild of Pacific Northwest Employees	Accounts Payable	Check	1,404.00
05/31/2026	20301	LegalShield	Accounts Payable	Check	83.80
05/31/2026	20302	Treasurer State of Maine	Accounts Payable	Check	1,059.33
05/31/2026	20303	WA State Dept of Labor & Industry	Accounts Payable	Check	5,272.70
05/31/2026	20304	WA State Employment Security Dept/Cares	Accounts Payable	Check	1,395.95
05/31/2026	20305	WA State Employment Security Dept/PFML	Accounts Payable	Check	2,269.64
05/31/2026	EFT0000032	Payroll EFT	Payroll	EFT	186,987.95
				Report Total: (8)	**199,082.77**
				Report Total: (13)	**377,323.49**

Council Payroll Fund Transaction Summary

Payment Date

Fund	Amount
001-General Operating Fund	$86,722.70
101-Street Operating Fund	$48,323.76
130-Special Revenue - Hotel/Motel Tax 1st	$6,404.21
410-Water Operating Fund	$95,580.00
420-Sewer Operating Fund	$71,461.52
430-Refuse Operating Fund	$53,613.95
450-Stormwater Operating Fund	$15,217.35
Grand Total:	**$377,323.49**

Town of Friday Harbor

Council Payroll Paycheck Register

Checks

Pay Period: 5/1/2026-5/31/2026

Packet: PYPKT00457 - 2026-05 Payroll
Payroll Set: Payroll Set 01 - 01

Employee	Employee #	Check Type	Date	Amount	Number
Hushebeck, Stephen J	0093	Regular	05/31/2026	609.40	20299



Town of Friday Harbor

Council Payroll Paycheck Register

Direct Deposits

Pay Period: 5/1/2026-5/31/2026

Packet: PYPKT00457 - 2026-05 Payroll
Payroll Set: Payroll Set 01 - 01

Employee	Employee #	Date	Amount	Number
Anderson, Kasey	0001	05/31/2026	6,717.00	1211
Barringer, Michael J	0165	05/31/2026	3,748.72	1212
Berry, Bethany H	0113	05/31/2026	3,300.00	1213
Berry, Bethany H	0113	05/31/2026	3,275.59	1213
Berry, Charles M	0118	05/31/2026	4,383.10	1214
Berry, Charles M	0118	05/31/2026	615.00	1214
Berwald, Janelle R	0162	05/31/2026	3,804.93	1215
Blackmon, Mateo J	0169	05/31/2026	3,161.43	1216
Blackmon, William D	0122	05/31/2026	4,245.25	1217
Byrne, Francis N	0005	05/31/2026	3,437.91	1218
Carlshagen, Diane M	0172	05/31/2026	5,355.18	1219
Compton, Joshua T	0127	05/31/2026	6,474.56	1220
de Freitas, Anna Maria	0039	05/31/2026	777.18	1221
Dyer, Chelsey E	0173	05/31/2026	675.61	1222
Ericson, Ryan C	0129	05/31/2026	9,446.91	1223
Frazier, Toby A	0134	05/31/2026	4,773.23	1224
Frazier, Toby A	0134	05/31/2026	500.00	1224
Geffen, Richard M	0154	05/31/2026	573.32	1225
Greene, Julie A	0105	05/31/2026	5,249.48	1226
Gutierrez, Andres G	0152	05/31/2026	5,171.13	1227
Henrie, James S	0112	05/31/2026	4,790.07	1228
King, Paul J	0167	05/31/2026	8,990.66	1229
Krembs, Jennifer M	0157	05/31/2026	252.61	1230
Krembs, Jennifer M	0157	05/31/2026	4,799.54	1230
Kulseth, Denice B	0137	05/31/2026	7,682.13	1231
Liptack, Michael K	0171	05/31/2026	8,913.09	1232
Logsdon, Donald W	0146	05/31/2026	3,950.94	1233
Mason, Shane	0022	05/31/2026	4,325.74	1234
Melic, Amer	0161	05/31/2026	3,801.92	1235
Minney, Patrick W	0132	05/31/2026	375.00	1236
Minney, Patrick W	0132	05/31/2026	4,210.24	1236
Ness, Shelby L	0125	05/31/2026	4,311.53	1237
Nibler, Justin M	0107	05/31/2026	6,081.41	1238
Nicholson, Joseph C	0147	05/31/2026	4,294.42	1239
Pasic, Joseph C	0163	05/31/2026	4,701.02	1240
Pasic, Joseph C	0163	05/31/2026	95.94	1240
Pasic, Joseph C	0163	05/31/2026	500.00	1240
Pasic, Joseph C	0163	05/31/2026	150.00	1240
Penwell, Robert	0133	05/31/2026	3,914.61	1241
Perrollaz, Evan G	0174	05/31/2026	1,269.34	1242
Pranger, Matthew	0026	05/31/2026	4,708.28	1243
Pranger, Matthew	0026	05/31/2026	25.00	1243
Pridgen, Melissa K	0164	05/31/2026	4,048.30	1244
Slaughter, Nathan D	0155	05/31/2026	4,086.78	1245
Smith, David A	0030	05/31/2026	4,510.60	1246
Starr, Barbara L	0094	05/31/2026	349.85	1247
Teasdale, Andrew J	0117	05/31/2026	3,730.48	1248
Venegas, Gilberto M	0170	05/31/2026	4,526.49	1249
Walter-Rognas, Leslie A	0116	05/31/2026	5,055.17	1250
Wesserling, Richard S	0142	05/31/2026	2,851.26	1251



Town of Friday Harbor

Council Payroll Paycheck Register

Employee Pay Summary

Pay Period: 5/1/2026-5/31/2026

Packet: PYPKT00457 - 2026-05 Payroll
Payroll Set: Payroll Set 01 - 01

Employee	Payment Type	Number	Earnings	Deductions	Taxes	Net
Anderson, Kasey	EFT	1211	9,744.52	1,428.73	1,598.79	6,717.00
Barringer, Michael J	EFT	1212	5,004.72	353.84	902.16	3,748.72
Berry, Bethany H	EFT	1213	10,405.05	1,378.37	2,451.09	6,575.59
Berry, Charles M	EFT	1214	7,491.02	879.48	1,613.44	4,998.10
Berwald, Janelle R	EFT	1215	4,944.26	666.36	472.97	3,804.93
Blackmon, Mateo J	EFT	1216	4,539.36	298.81	1,079.12	3,161.43
Blackmon, William D	EFT	1217	6,341.72	702.01	1,394.46	4,245.25
Byrne, Francis N	EFT	1218	8,270.56	3,482.84	1,349.81	3,437.91
Carlshagen, Diane M	EFT	1219	7,774.73	641.04	1,778.51	5,355.18
Compton, Joshua T	EFT	1220	8,780.60	906.27	1,399.77	6,474.56
de Freitas, Anna Maria	EFT	1221	855.00	0.00	77.82	777.18
Dyer, Chelsey E	EFT	1222	915.00	0.00	239.39	675.61
Ericson, Ryan C	EFT	1223	13,062.17	1,207.28	2,407.98	9,446.91
Frazier, Toby A	EFT	1224	7,423.26	549.99	1,600.04	5,273.23
Geffen, Richard M	EFT	1225	670.54	36.08	61.14	573.32
Greene, Julie A	EFT	1226	7,544.47	733.29	1,561.70	5,249.48
Gutierrez, Andres G	EFT	1227	7,188.50	893.92	1,123.45	5,171.13
Henrie, James S	EFT	1228	7,479.96	1,140.13	1,549.76	4,790.07
Hushebeck, Stephen J	Check	20299	670.54	0.00	61.14	609.40
King, Paul J	EFT	1229	11,104.17	802.58	1,310.93	8,990.66
Krembs, Jennifer M	EFT	1230	7,500.00	1,633.36	814.49	5,052.15
Kulseth, Denice B	EFT	1231	15,802.08	4,875.74	3,244.21	7,682.13
Liptack, Michael K	EFT	1232	11,958.33	848.54	2,196.70	8,913.09
Logsdon, Donald W	EFT	1233	5,553.36	569.81	1,032.61	3,950.94
Mason, Shane	EFT	1234	8,878.94	3,232.92	1,320.28	4,325.74
Melic, Amer	EFT	1235	5,185.44	437.43	946.09	3,801.92
Minney, Patrick W	EFT	1236	6,061.32	539.19	936.89	4,585.24
Ness, Shelby L	EFT	1237	5,924.81	499.33	1,113.95	4,311.53
Nibler, Justin M	EFT	1238	8,581.41	1,156.80	1,343.20	6,081.41
Nicholson, Joseph C	EFT	1239	6,007.68	610.39	1,102.87	4,294.42
Pasic, Joseph C	EFT	1240	8,556.25	1,168.83	1,940.46	5,446.96
Penwell, Robert	EFT	1241	6,824.61	1,937.05	972.95	3,914.61
Perrollaz, Evan G	EFT	1242	1,396.00	0.00	126.66	1,269.34
Pranger, Matthew	EFT	1243	6,701.96	584.75	1,383.93	4,733.28
Pridgen, Melissa K	EFT	1244	5,376.60	361.85	966.45	4,048.30
Slaughter, Nathan D	EFT	1245	5,504.59	400.74	1,017.07	4,086.78
Smith, David A	EFT	1246	6,060.64	378.06	1,171.98	4,510.60
Starr, Barbara L	EFT	1247	670.54	0.00	320.69	349.85
Teasdale, Andrew J	EFT	1248	6,883.80	1,544.27	1,609.05	3,730.48
Venegas, Gilberto M	EFT	1249	5,382.50	331.35	524.66	4,526.49
Walter-Rognas, Leslie A	EFT	1250	8,185.87	1,297.58	1,833.12	5,055.17
Wesserling, Richard S	EFT	1251	6,892.74	2,911.01	1,130.47	2,851.26
		Totals:	**280,099.62**	**41,420.02**	**51,082.25**	**187,597.35**

Town of Friday Harbor

Council Payroll Paycheck Register

Report Summary

Pay Period: 5/1/2026-5/31/2026

Packet: PYPKT00457 - 2026-05 Payroll
Payroll Set: Payroll Set 01 - 01

Type	Count	Amount
Regular Checks	1	609.40
Manual Checks	0	0.00
Reversals	0	0.00
Voided Checks	0	0.00
Direct Deposits	50	186,987.95
Total	**51**	**187,597.35**

Council Payroll Earnings Summary

Town of Friday Harbor

Employee Last Name	Gross Wage w/o Overtime	Overtime	Total Gross Wage
Anderson, Kasey	8,537.08	1,207.44	9,744.52
Barringer, Michael	5,004.72	0.00	5,004.72
Berry, Bethany	10,405.05	0.00	10,405.05
Berry, Charles	7,491.02	0.00	7,491.02
Berwald, Janelle	4,944.26	0.00	4,944.26
Blackmon, Mateo	4,539.36	0.00	4,539.36
Blackmon, William	6,341.72	0.00	6,341.72
Byrne, Francis	8,270.56	0.00	8,270.56
Carlshagen, Diane	7,339.92	434.81	7,774.73
Compton, Joshua	7,290.20	1,490.40	8,780.60
de Freitas, Anna Maria	855.00	0.00	855.00
Dyer, Chelsey	915.00	0.00	915.00
Ericson, Ryan	13,062.17	0.00	13,062.17
Frazier, Toby	6,704.88	718.38	7,423.26
Geffen, Richard	670.54	0.00	670.54
Greene, Julie	7,544.47	0.00	7,544.47
Gutierrez, Andres	7,124.88	63.62	7,188.50
Henrie, James	6,041.01	1,438.95	7,479.96
Hushebeck, Stephen	670.54	0.00	670.54
King, Paul	11,104.17	0.00	11,104.17
Krembs, Jennifer	7,500.00	0.00	7,500.00
Kulseth, Denice	15,802.08	0.00	15,802.08
Liptack, Michael	11,958.33	0.00	11,958.33
Logsdon, Donald	5,553.36	0.00	5,553.36
Mason, Shane	8,577.08	301.86	8,878.94
Melic, Amer	5,185.44	0.00	5,185.44
Minney, Patrick	6,007.68	53.64	6,061.32
Ness, Shelby	5,924.81	0.00	5,924.81
Nibler, Justin	7,725.84	855.57	8,581.41
Nicholson, Joseph	6,007.68	0.00	6,007.68
Pasic, Joseph	8,556.25	0.00	8,556.25
Penwell, Robert	6,704.88	119.73	6,824.61
Perrollaz, Evan	1,396.00	0.00	1,396.00
Pranger, Matthew	6,701.96	0.00	6,701.96
Pridgen, Melissa	5,191.20	185.40	5,376.60
Slaughter, Nathan	5,384.40	120.19	5,504.59
Smith, David	6,060.64	0.00	6,060.64
Starr, Barbara	670.54	0.00	670.54
Teasdale, Andrew	6,007.68	876.12	6,883.80
Venegas, Gilberto	5,382.50	0.00	5,382.50
Walter-Rognas, Leslie	6,341.72	1,844.15	8,185.87
Wesserling, Richard	6,007.68	885.06	6,892.74
Total Employee Checks	269,504.30	10,595.32	280,099.62
Total Employer Paid Taxes			25,221.46
Total Employer Paid Benefits			72,002.41
Total Payroll			377,323.49

Grant Application

Washington State and Local Cybersecurity Grant Program

Town of Friday Harbor Water, Wastewater, and Critical Infrastructure Cyber Resilience Project

Applicant: Town of Friday Harbor
Project Lead: Paul King, Chief Technology Officer
Executive Sponsor: Denice Kulseth, Town Administrator
Recommended Grant Request: $275,000
Prepared: May 17, 2026

Note: This application is written for adaptation into WaTech/EMD application forms.

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1. Applicant and Project Summary

Field	Draft Entry
Applicant	Town of Friday Harbor
Project Title	Town of Friday Harbor Water, Wastewater, and Critical Infrastructure Cyber Resilience Project
Jurisdiction Type	Local government / municipality
Project Lead	Paul King, Chief Technology Officer
Executive Sponsor	Denice Kulseth, Town Administrator
Primary Grant Contact	Paul King, Chief Technology Officer pking@fridayharbor.org 206-218-5991
Authorized Official	Denice Kulseth, Town Administrator; [confirm signatory authority]
UEI	WKGMXEKPJZR3
Project Period	January 1, 2027 – December 31, 2027
Grant Request	$275,000
Primary Critical Infrastructure Focus	Water treatment, water distribution, and wastewater treatment systems

2. Executive Summary

The Town of Friday Harbor requests funding through the Washington State and Local Cybersecurity Grant Program to strengthen the cybersecurity, network protection, identity and access management, and physical security of municipal systems that support essential public services, with a specific focus on the Town's water treatment, water distribution, and wastewater treatment operations.

Friday Harbor is a small remote island municipality which limits our ability to coordinate with regional partners. Our location constrains our ability to hire certified staff and means we are solely responsible for critical utility infrastructure. While law enforcement is provided by San Juan County, the Town is directly responsible for operating and protecting essential municipal infrastructure, including drinking water treatment, water distribution, and wastewater treatment facilities. These systems are foundational to public health, environmental protection, economic activity, tourism, and continuity of government.

Cybersecurity risks to local government utilities increasingly include malicious software, credential compromise, remote access exposure, insufficient network segmentation, vendor access risk, unauthorized physical access, surveillance gaps, and limited monitoring of critical facilities. A cyber or physical security incident affecting the Town's utility systems could disrupt safe drinking water delivery, wastewater treatment operations, utility billing, public notifications, regulatory reporting, and continuity of municipal operations.

This project requests $275,000 to establish a practical and sustainable cybersecurity and infrastructure-protection baseline for the Town. The project is designed as a focused Phase 1

investment, scaled to a small municipality but directed toward high-impact systems, networks, facilities, and staff that support critical water and wastewater services.

The project will fund the following integrated activities:

1. Completion or update of cybersecurity assessments, including CISA's Cyber Infrastructure Survey and related project documentation.
2. Inventory and risk review of Town IT assets, network devices, physical access systems, surveillance systems, remote-access pathways, vendor access, and utility-supporting operational technology assets.
3. Deployment / expansion of multi-factor authentication and identity and access management controls for high-risk accounts and systems.
4. Network protection improvements, including segmentation, firewall modernization or configuration, secure remote access, logging, alerting, DNS/content filtering, and network monitoring.
5. Endpoint protection and centralized device inventory for municipal and utility-supporting systems.
6. Physical security improvements for critical utility facilities, including identity-based access procedures and security camera monitoring with AI-assisted alerting at priority locations.
7. Backup, recovery, and incident response improvements for critical administrative and utility functions.
8. Cybersecurity and role-based training for Town staff, including personnel who support water and wastewater operations.

3. Statement of Need

The Town of Friday Harbor provides essential municipal services to residents, businesses, visitors, and public-sector partners on San Juan Island. Unlike larger jurisdictions, the Town operates with limited staff and budget while maintaining infrastructure that is essential to public health and environmental protection.

The Town does not operate a police force; those public safety functions are handled by the San Juan County Sheriff's Office. The Town's direct critical infrastructure responsibilities are concentrated in core municipal utility operations and the administrative systems that support them.

The Town is directly responsible for:

- Water treatment.
- Water distribution.
- Wastewater treatment.
- Utility administration and billing.
- Public works operations.
- Municipal administration, finance, records, permitting, and public communications.
- Physical facilities that house or support critical water and wastewater systems.

A cybersecurity or cyber-physical incident affecting these systems could have consequences beyond routine IT disruption. Potential impacts include interruption of water or wastewater operations, unauthorized changes to systems, loss of visibility into utility infrastructure, disruption to billing or customer service, delayed regulatory reporting, impaired public communications, environmental harm, and increased risk to public health.

The Town's cybersecurity and critical infrastructure protection needs include:

- A current inventory of IT, network, physical access, surveillance, and utility-supporting systems.
- Stronger network segmentation between administrative, public, vendor, and utility-supporting environments.
- Improved firewall, secure remote-access, network monitoring, logging, and alerting capabilities.
- Better visibility into computers, servers, network devices, cameras, access-control systems, and systems that support water and wastewater operations.
- Stronger account security for staff, administrators, remote access, cloud systems, vendors, and third-party service providers.
- Identity and access management controls for staff, vendors, contractors, and facility access.
- Improved endpoint protection and patch visibility.
- Physical access controls for critical infrastructure locations.
- Security camera coverage and AI-assisted monitoring for sensitive utility facilities.
- Documented incident response procedures addressing cybersecurity, network, physical security, and cyber-physical scenarios affecting utility operations.
- Tested backup and restoration procedures for critical administrative and utility-related systems.
- Training tailored to phishing, credential theft, ransomware, vendor access, network security, physical access, camera alerts, and utility-sector cyber risks.

Small municipalities are often targeted because they provide essential services but may not have full-time cybersecurity staff. For Friday Harbor, this risk is heightened by island geography, dependency on uninterrupted utility operations, and the practical difficulty of rapid external support during disruptions.

3.1 Existing Town Planning and Due Diligence

This request builds on existing Town planning and due diligence work rather than starting from square one. Internal planning documents already identify cybersecurity modernization, SCADA network isolation, disaster recovery, access control, and physical IT security as priorities for 2026. This draft translates those priorities into an SLCGP-ready project scope and budget.

- The Town's 2026 IT project list identifies endpoint protection, expanded MFA, hardened network authentication, penetration testing, SCADA network isolation and hardening, offsite disaster recovery, backup verification, cybersecurity training, compliance alignment, and physical access controls as planned priorities.
- The Town's access control implementation planning identifies electronic access control across approximately 30 doors, integration with the camera system, staff ID credentialing, and staff training as core physical security objectives.

- The Town's IT disaster recovery and business continuity planning already includes water SCADA and control systems, surveillance and access control systems, network/firewall recovery, backup integrity testing, and incident response procedures as part of the Town's resilience scope.
- The grant project is therefore framed as a Phase 1 implementation package that accelerates and integrates these priorities around water, wastewater, network security, identity and access management, and cyber-physical resilience.

4. Project Goals and Objectives

Goal 1: Improve cybersecurity visibility across Town systems, networks, facilities, and utility operations.

- Complete or update the CISA Cyber Infrastructure Survey and provide required results to the appropriate state grant administrators.
- Develop a current inventory of Town IT assets, network devices, cloud services, remote-access tools, facility access systems, surveillance systems, and systems that support water and wastewater operations.
- Identify and prioritize cybersecurity, network, identity/access, physical security, and monitoring risks affecting the Town's water treatment, water distribution, wastewater treatment, and municipal administrative systems.
- Produce a remediation roadmap that separates near-term, grant-funded improvements from longer-term cybersecurity and critical infrastructure protection needs.

Goal 2: Reduce the risk of unauthorized digital and physical access.

- Implement or expand multi-factor authentication for privileged accounts, remote-access accounts, cloud services, email, financial systems, network administration, and utility-supporting systems where technically feasible.
- Review and document access control procedures for Town staff, vendors, contractors, managed service providers, and facility access.
- Establish procedures for onboarding, offboarding, role changes, emergency access, shared accounts, service accounts, vendor access, physical keys, electronic credentials, badges, and access codes.
- Ensure access to systems and facilities is role-based, reviewed periodically, and revoked promptly when no longer needed.

Goal 3: Strengthen network protection for municipal and utility-supporting environments.

- Assess and improve network architecture for Town administrative systems, public works operations, remote access, vendors, water treatment, water distribution, and wastewater treatment support systems.
- Implement or improve network segmentation to reduce the likelihood that compromise of one device, account, or system can spread to critical utility operations.

- Modernize or configure firewall protections, secure remote access, intrusion prevention, DNS filtering, content filtering, and network logging where appropriate.
- Establish network monitoring and alerting for suspicious activity, unauthorized access attempts, unusual traffic patterns, and potential lateral movement.
- Document secure network configuration standards and procedures for vendor access, remote administration, and critical infrastructure connectivity.

Goal 4: Strengthen protection of municipal and utility-supporting endpoints.

- Deploy or improve endpoint protection for Town workstations, laptops, servers, and utility-supporting devices where appropriate.
- Establish centralized visibility into covered devices, including device status, protection status, and patching needs.
- Create a process for responding to suspected compromise of a Town endpoint, including escalation procedures for systems that may affect water or wastewater operations.

Goal 5: Improve physical security and monitoring of critical infrastructure sites.

- Assess physical access risks at water treatment, water distribution, wastewater treatment, and related utility facilities.
- Implement or improve identity-based physical access controls, including badges, access codes, key control, visitor logs, vendor access procedures, and role-based facility permissions.
- Install or upgrade security cameras at critical infrastructure locations to improve visibility into entrances, gates, perimeters, equipment areas, chemical storage areas, control rooms, and other sensitive locations.
- Implement AI-assisted camera monitoring, where appropriate, to help identify after-hours activity, perimeter intrusion, unauthorized access, loitering, tampering, and anomalous behavior.
- Integrate physical security alerts into documented response procedures so Town staff can escalate concerns to appropriate internal personnel, San Juan County law enforcement, vendors, or state/federal partners as needed.

Goal 6: Improve resilience of water, wastewater, and administrative operations.

- Review backup coverage for systems supporting utility operations, finance, billing, records, and municipal administration.
- Conduct at least one backup restoration test for a critical system or representative dataset.
- Update incident response procedures to include ransomware, business email compromise, vendor compromise, network intrusion, physical intrusion, utility system disruption, surveillance alerts, and loss of network access.
- Conduct a tabletop exercise focused on a cyber or cyber-physical incident affecting water or wastewater operations.

Goal 7: Build sustainable cybersecurity and critical infrastructure protection practices for Town staff.

- Provide cybersecurity awareness training to Town employees and relevant elected or appointed officials.
- Provide role-based training for staff with access to financial systems, utility systems, administrative privileges, network equipment, access control systems, public records, or sensitive resident/customer information.
- Conduct phishing-resilience training or simulation exercises and use results to improve staff awareness.
- Train relevant staff on physical security procedures, access management, camera alert review, incident escalation, and reporting suspicious activity at critical infrastructure facilities.

5. Proposed Project Activities

Activity 1: Cybersecurity, Network, and Physical Security Assessment

The Town will complete or update the CISA Cyber Infrastructure Survey and conduct a practical risk review of systems supporting municipal and utility operations. The review will include traditional IT systems, network architecture, remote access pathways, utility-supporting technology, physical access controls, and security monitoring capabilities at critical facilities.

Deliverables:

- Completed CISA Cyber Infrastructure Survey.
- IT, network, facility access, surveillance, and utility-supporting asset inventory.
- Critical systems and facilities list.
- Cybersecurity and physical security risk register.
- Network protection improvement plan.
- Physical security improvement plan.
- Prioritized remediation roadmap.
- Final project implementation plan.

Activity 2: Multi-Factor Authentication and Identity and Access Management Improvements

The Town will deploy or expand multi-factor authentication across priority systems and improve both digital and physical access management. Initial emphasis will be placed on systems and facilities where unauthorized access would create the highest operational, financial, public health, or environmental risk.

Deliverables:

- MFA implementation plan.
- MFA deployment completion report.
- Identity and access management procedure.
- Physical access control procedure.
- Vendor access review.

- Account and facility access onboarding/offboarding checklist.
- Key, badge, or access credential inventory.
- Exception register for systems that cannot support MFA or role-based access.

Activity 3: Network Protection and Monitoring

The Town will improve protection of municipal and utility-supporting networks to reduce the risk of unauthorized access, lateral movement, ransomware spread, and disruption to water or wastewater operations.

Deliverables:

- Network architecture review.
- Network segmentation plan.
- Firewall and remote access configuration improvements.
- Network monitoring and alerting configuration.
- Vendor remote access procedure.
- Network device administrative access standard.
- Network incident escalation procedure.
- Implementation completion report.

Activity 4: Endpoint Protection and Device Inventory

The Town will implement or improve endpoint protection and device inventory for municipal systems, including devices used by Town administration, public works, finance, utility administration, and staff who support essential municipal operations.

Deliverables:

- Current endpoint inventory.
- Endpoint protection deployment report.
- Device coverage report.
- Patch and protection status reporting process.
- Endpoint incident response procedure.

Activity 5: Physical Security and AI-Assisted Camera Monitoring for Critical Utility Facilities

The Town will improve physical security monitoring for water treatment, water distribution, wastewater treatment, and related facilities. Candidate locations may include treatment plant entrances, gates, chemical storage areas, control rooms, pump stations, reservoirs, lift stations, maintenance areas, and other sensitive infrastructure locations, subject to final site assessment. AI-assisted monitoring will be limited to critical infrastructure protection and configured with privacy, retention, access control, and auditability requirements.

Deliverables:

- Physical security site assessment.
- Camera coverage plan.
- Security camera installation or upgrade report.

- AI-assisted monitoring configuration.
- Camera access control and retention procedure.
- Physical security alert escalation procedure.
- Staff training for authorized users.
- Maintenance and monitoring plan.

Activity 6: Backup, Recovery, and Continuity Improvements

The Town will review and improve backup and recovery procedures for systems that support water, wastewater, utility administration, finance, public records, and core municipal operations.

Deliverables:

- Backup coverage assessment.
- Updated backup and recovery procedures.
- Backup restoration test.
- Recovery gaps and corrective action list.
- Continuity checklist for critical municipal and utility functions.
- Documentation of backup protection from ransomware or unauthorized deletion, where feasible.

Activity 7: Cyber and Physical Incident Response Planning for Utility Disruption

The Town will update its incident response procedures to address realistic cyber and cyber-physical scenarios affecting a small municipal government and utility operator.

Deliverables:

- Updated cyber incident response plan.
- Utility-specific cyber and physical security incident playbook.
- Physical security escalation procedure.
- Contact list for internal staff, vendors, county partners, state contacts, and federal resources.
- Tabletop exercise materials.
- After-action report and corrective action plan.

Activity 8: Cybersecurity and Physical Security Training

The Town will provide practical cybersecurity and physical security training to employees and officials, with role-based training for staff who manage sensitive systems, network equipment, facility access, security cameras, or utility operations.

Deliverables:

- Training plan.
- Training completion report.
- Phishing simulation or awareness exercise results.
- Role-based training completion records.
- Staff reporting procedure for suspected cyber or physical security incidents.

6. Alignment with State Cybersecurity Priorities

This project supports Washington's statewide cybersecurity goals by improving cybersecurity posture, building local government capacity, strengthening partnerships, and creating sustainable cybersecurity and critical infrastructure protection practices. The project is intentionally designed to address the kinds of scoring criteria commonly used for SLCGP proposals: documented due diligence, project governance, measurable business outcomes, and urgency.

Priority Area	Town of Friday Harbor Alignment
Cybersecurity assessment	CISA Cyber Infrastructure Survey, risk register, IT/network/facility asset inventory.
Governance and planning	Incident response plan, utility-specific playbook, access control procedures, project governance led by CTO with Town Administrator sponsorship.
Risk mitigation	MFA, endpoint protection, network segmentation, firewall improvements, secure remote access, vendor access review.
Network protection	Segmentation, secure remote access, monitoring, logging, DNS/content filtering, firewall configuration.
Critical infrastructure protection	Focus on water treatment, water distribution, and wastewater treatment.
Identity and access management	Role-based digital access, physical access controls, key/badge/access code procedures.
Physical security	Facility access control, camera coverage, AI-assisted alerting for priority utility sites.
Workforce development	Staff awareness training and role-based training.
Resilience and recovery	Backup restoration test, continuity checklist, tabletop exercise.
Rural and small jurisdiction support	Practical controls scaled to a small island municipality.

7. Community Benefit and Critical Infrastructure Impact

Friday Harbor's water and wastewater systems are essential to daily life, public health, environmental protection, local businesses, schools, tourism, and the broader island economy. Because Friday Harbor is located on San Juan Island, disruption to core municipal utility services may be more difficult to mitigate than in communities with nearby alternative infrastructure or larger neighboring utility systems.

This project will benefit residents, businesses, restaurants, lodging providers, public facilities, visitors, Town staff, and regional partners who rely on stable water and wastewater operations. It will also support environmental protection by helping maintain continuity and integrity of wastewater treatment functions.

The proposed project is not a general IT modernization effort or a general public-safety surveillance project. It is a targeted cybersecurity and critical infrastructure protection project focused on protecting the systems, networks, facilities, and staff that support essential municipal utility operations.

8. Project Management and Implementation Plan

The project will be managed by Paul King, Chief Technology Officer, with executive sponsorship from Denice Kulseth, Town Administrator. The Town will use existing procurement, contracting, financial management, and records procedures to ensure proper use of grant funds and completion of required reporting.

The implementation team will include representatives from:

- Town administration.
- Public works.
- Water operations.
- Wastewater operations.
- Finance or utility billing.
- IT support provider or managed service provider.
- Network or cybersecurity vendors.
- Physical security or camera system vendors.
- Vendors supporting utility systems, as needed.

Phase	Timeline	Key Activities
Phase 1: Project Initiation	Months 1-2	Assign project team; confirm grant requirements; establish steering process; complete assessment planning.
Phase 2: Assessment and Inventory	Months 2-4	Complete CISA Cyber Infrastructure Survey; inventory assets; review network architecture; assess facility access and camera coverage.
Phase 3: Procurement	Months 3-5	Obtain quotes; select cybersecurity, network, and physical security vendors; finalize implementation scopes.
Phase 4: Network and Access Implementation	Months 5-9	Deploy MFA; improve IAM; implement firewall improvements, segmentation, secure remote access, logging, and monitoring.
Phase 5: Endpoint and Monitoring Implementation	Months 6-10	Deploy endpoint protection and inventory; install or upgrade priority cameras; configure AI-assisted alerts.
Phase 6: Backup, Training, and Exercises	Months 8-11	Conduct staff training, backup restoration test, phishing exercise, and cyber-physical tabletop.
Phase 7: Closeout	Months 11-12	Finalize metrics, documentation, sustainability plan, reporting, and after-action items.

9. Budget Narrative

Budget Category	Estimated Cost	Description
Cybersecurity, network, and physical security assessment	$25,000	CISA CIS support, asset inventory, network review, physical security review, risk register, remediation roadmap.
MFA and identity/access management	$25,000	MFA licensing or implementation support, access control procedures, vendor access controls, configuration support.
Network protection and monitoring	$60,000	Firewall improvements, segmentation, secure remote access, DNS/content filtering, logging, alerting, network device configuration.
Endpoint protection and inventory	$30,000	Endpoint protection, device inventory, patch visibility, deployment support.
Backup and recovery improvements	$25,000	Backup review, restoration testing, recovery documentation.
Incident response and tabletop exercise	$20,000	Utility-focused cyber/physical incident response plan, playbooks, tabletop exercise.
Physical security and AI-assisted camera monitoring	$70,000	Camera upgrades, priority site coverage, access-control improvements, AI-assisted monitoring, alerting procedures.
Staff cybersecurity and physical security training	$10,000	Awareness training, phishing simulation, role-based training, camera/access procedures.
Project management and grant administration	$10,000	Reporting, procurement coordination, vendor coordination, financial tracking.
Total	$275,000	Recommended grant request.

Grant funds will be used only for allowable cybersecurity and critical infrastructure protection activities. The Town will not use grant funds for ransom payments, cybersecurity insurance premiums, unrelated construction, general-purpose equipment unrelated to cybersecurity, or other prohibited costs.

10. Performance Measures

The Town will measure project success using practical metrics tied to cybersecurity, network, and critical infrastructure risk reduction.

Metric	Baseline	Target
CISA Cyber Infrastructure Survey completed	No / outdated	Completed.
IT, network, and utility-supporting asset inventory	Incomplete	Completed.
Critical systems and facilities list	Incomplete	Completed.
Network architecture review	No / outdated	Completed.
Network segmentation improvements	Current segmentation gaps	Priority segments completed.
Firewall and secure remote access improvements	Current configuration baseline	Priority improvements completed.
Privileged accounts protected by MFA	50 %	100%.
Remote access protected by MFA	10 %	100%.
Vendor access reviewed	No / partial	Completed.
Physical access control procedure	No / partial	Completed.
Facility access credentials reviewed	No / partial	Completed.
Security camera coverage at priority utility sites	Partial	Priority gaps addressed.
AI-assisted monitoring configured for priority cameras	No / partial	Completed.
Covered endpoints inventoried	35 %	95-100%.
Covered endpoints with active protection	10 %	95-100%.
Backup restoration test completed	No / outdated	Completed.
Incident response plan updated	No / outdated	Completed.
Utility cyber-physical tabletop exercise	No	Completed.
Staff cybersecurity training completion	25 %	95%+.
Role-based training for high-risk users	50 %	100% of identified users.

11. Sustainability Plan

The Town will sustain project outcomes after the grant period by incorporating cybersecurity, network protection, and physical security practices into routine municipal operations.

- Maintain MFA for all covered accounts.
- Include endpoint protection, network security, and camera monitoring costs in future IT or utility budgets.
- Review digital and physical access rights at least annually.
- Update vendor access procedures when contracts or systems change.
- Maintain a current inventory of critical systems, network devices, cameras, and access controls.
- Conduct annual cybersecurity awareness training and role-based training for high-risk users.
- Train new employees on physical access and incident reporting procedures.
- Test backups periodically.
- Review firewall, remote access, and network monitoring reports on a defined schedule.
- Review camera alerts, retention, and access permissions on a defined schedule.
- Review the incident response plan annually or after major incidents.
- Incorporate cyber-physical utility scenarios into future continuity planning.
- Use the remediation roadmap to guide future budget requests and grant applications.

The project is designed to create durable capabilities rather than one-time consulting outputs. Policies, procedures, inventories, training materials, network configurations, and physical security procedures will remain available to Town staff and can be updated as systems, vendors, facilities, and risks change.

12. Certifications and Readiness

By submitting this application, the Town of Friday Harbor will certify that it will:

- Comply with all applicable federal, state, and local grant requirements.
- Complete required cybersecurity assessments and submit required documentation.
- Track and report project metrics, expenditures, issues, and corrective actions.
- Use funds only for allowable cybersecurity and critical infrastructure protection purposes.
- Cooperate with WaTech, the Washington Emergency Management Division, CISA, FEMA, and other relevant agencies as required.
- Maintain documentation sufficient to support procurement, payment, implementation, and closeout.

Appendix A. Source and Submission Notes

Current program guidance and submission forms should be verified before submission. The following public sources informed this draft:

- WaTech State and Local Cybersecurity Grant Program page: https://watech.wa.gov/state-local-cybersecurity-grant-program
- WaTech SLCGP Frequently Asked Questions page: https://watech.wa.gov/state-local-cybersecurity-grant-program-faqs
- Washington SLCGP Cybersecurity Plan: https://watech.wa.gov/sites/default/files/2024-03/Adopted SLCGP WA Cybersecurity Plan – June 6 2023 - signed.pdf
- WaTech SLCGP Project Proposal Application template: https://watech.wa.gov/sites/default/files/2025-06/SLCGP Project Proposal Application_0.xlsx
- WaTech SLCGP Scoring Criteria document: https://watech.wa.gov/sites/default/files/2025-06/SLCGP Scoring Criteria 2025 final.pdf
- FEMA State and Local Cybersecurity Grant Program page: https://www.fema.gov/grants/preparedness/state-local-cybersecurity-grant-program
- CISA SLCGP Fact Sheet: https://www.cisa.gov/resources-tools/resources/state-and-local-cybersecurity-grant-program-fact-sheet

MEMO

TO: Mayor Perrollaz and Town
FROM: Council Julie Greene, FHAC
DATE: Coordinator May 29, 2026
RE: **FHAC ANNUAL REPORT 2025**

The Friday Harbor Arts Commission would like to report on their 2025 activity and current plans.

2025

- In December 2025, after over four years on the FHAC, Teresa Smith stepped down to pursue plans to travel and paint. Adrian Kilpatrick completed his term and stepped down as well. The FHAC greatly appreciates the contributions these members made while on the board and hopes they will continue to contribute ideas and opinions to the Town.

- 2025 public proposals for art installations included a ceramic eel grass mural. After fully reviewing the proposed project and the installation site, members advised the Council against the installation and the Council concurred.

- 2025 arts commissioner proposals for art installations included metal kelp art in the planter on Front Street below the Blue Water, a project the commission pursued for several months. Due to concerns with placing detailed artwork in a visually cluttered, high vehicle traffic area and the cost vs impact of the installation at that location, the commission chose not to present the project for Council's consideration and may look at placing the artwork at a more appropriate location in the future. A member proposed a rotating art installation featuring two-dimensional works by San Juan Island artists. This project is expected to be brought to the council in 2026.

- 2025 public works staff proposals included a request to install a mural on a Wastewater Treatment plant building on Harbor Street after completion of plant improvements. Further encouragement will be needed if the council is interested in a project at this site.

- In early 2025, the Port presented a request for the FHAC's assistance with reviewing art projects brought to them by the public. The Port did not follow up on this request until 2026. They have just invited the FHAC to participate in their mural project selection. Rather than a full board review, they are inviting one or two commissioners to join their selection team.

2026 so far

- Councilmember Dyer has been appointed chairperson. Artist Mary McCulloach was appointed to the board in March. One voting position and the youth position are currently open.

- The third Poetry Gardens Contest in underway with a submission deadline of July 31st. The current state poet laureate has agreed to judge the finalists.

- As previously noted, the commission is pursuing the rotating art project proposed in 2025.

- A resident presented a request for artwork in the Spring and Argyle roundabout. The raised, traversable hump suggested in the request would fall under Public Works rather than the FHAC. Therefore, the commission is interested in guidance from the Public Works Director and Administrator on whether to pursue any roundabout improvements. At this time, the commissioners are more interested in seeing the railings repainted and possibly the addition of artistic elements.

- The Breezeway panels are due for replacement. The commission has offered several topics for consideration and will assist staff with the project when asked.

- FHAC Guidelines are under revision with the goal of simplifying and clarifying responsibilities and processes. Presentation of the proposed guidelines to the council is expected in late summer.

- The FHAC has begun discussing a long-range plan to build consensus on priorities and assist with selecting projects and locations.

The FHAC appreciates the council's on-going support of their efforts and looks forward to continuing their efforts to bring quality art and culture to the town.

MEMO

TO: Mayor Perrollaz and Town Council
FROM: Julie Greene, Wellness Coordinator
DATE: May 29, 2026
RE: **ANNUAL WELLNESS REPORT 2025**

For the eleventh year in a row, employees helped the Town earn AWC's Well City status. This will allow the Town and employees to continue splitting the Well City award of a 2% health insurance premium discount through 2027. Last year's savings were over $13,300.

2025 AWC EMPLOYEE WELLNESS REWARDS

- **Employee Participation Reward:** We met AWC's annual requirement to have at least 50% our insured employees earn 350 wellness points through participation in a variety of programs and activities offered through the Castlight app. In 2025, 53% of employees met the goal and each received a $35 gift card from AWC.
- **Mini Grant:** Once 50% of the employees earned their 350 points, AWC awarded us a $175 wellness mini grant which was used to purchase water bottles for distribution as part of a 2026 wellness activity.
- **Sweepstakes:** Employees who earned points above 350 could use these to buy entry into quarterly AWC drawings for prizes such as $100 gift cards, portable speakers, and fitness watches.

NEW in 2025

- **Mental Health Campaign:** This six-week informational campaign kicked off on World Mental Health Day and covered topics including myths vs. facts, watching for signs in others, checking in with ourselves, and finding help. Directors and Supervisors received additional notification of this campaign and were asked to help destigmatize the topic of mental health, watch for those who may be struggling, know the resources available, and encourage their crew to read the email series.
- **Secure Your Space Earthquake Education:** Our previous year's mini grant helped fund individual earthquake survival kits which were provided to employees along with instructions for inspecting their immediate workspace for potential hazards that could result from an earthquake.
- **Scarecrow Contest:** Each department was given a pumpkin and asked to create a scarecrow representing their team. Melissa and Jen created and coordinated this project, and our Scarecrow Safety Squad took third place in the annual Chamber of Commerce scarecrow contest.
- **Holiday Survival Club:** Employees received six weeks of tips, advice, and shortcuts to manage the hectic holiday season covering topics such as flu prevention, avoiding conflict, party navigation, and dealing with disappointment.

2025 ONGOING ACTIVITIES

- **Challenges:** Our employees again took on AWC's spring and fall 30-day steps challenges: "Trailblazers" and "Harvest Hustle." All participants were entered in local drawings for prizes from REI supplied by AWC. Participation was on par with the past year with 41% in the spring and 32% in the fall.
- **Island Rec 8.8k Loop Run:** Wellness covered the entry fees.
- **Retirement Investment Q&A:** The Town's investment management company presented DRS information and answered questions during a safety meeting.
- **Insurance Q&A:** Aflac presented information and employees shared their insurance experiences.
- **Wondr Health:** This weight management program continued to be available to employees and insured spouses at no cost.
- **Health Club Discounts:** Corporate rates were offered by The Rec and Island Strength+Movement.
- **Wellness Training:** I attended AWC's regional forum in the fall and all monthly training webinars and continue to subscribe to multiple health newsletters and seek out current health news and wellness program training.
- **Communication:** Throughout the year, I posted emails and posters and attended safety meetings to provide updates on insurance coverage, flu vaccines, Medflight options, and wellness activities as well as encourage use of the Castlight app and other free benefits such as Vida health coaching, Hinge Health virtual physical therapy, Wondr weight management, telehealth, the Regence 24-hour nurse hotline, and the employee assistance program (EAP).

As always, thank you for the opportunity to promote a health-oriented culture for our employees as we pursue our mission ***to educate, empower, and support employees in their efforts to enjoy a healthy and positive lifestyle for themselves and their families.*** I look forward to building on the success of the program and working to earn the annual Well City award again in 2026.

ATT: Evaluation report 2025

Town of Friday Harbor Wellness Evaluation Report 2025

Celebrating our 11th consecutive year as a Well City!

Our mission: To educate, empower, support, and inspire employees in their efforts to enjoy a healthy and positive lifestyle for themselves and their families.

$ 13,380
saved with medical premium discount

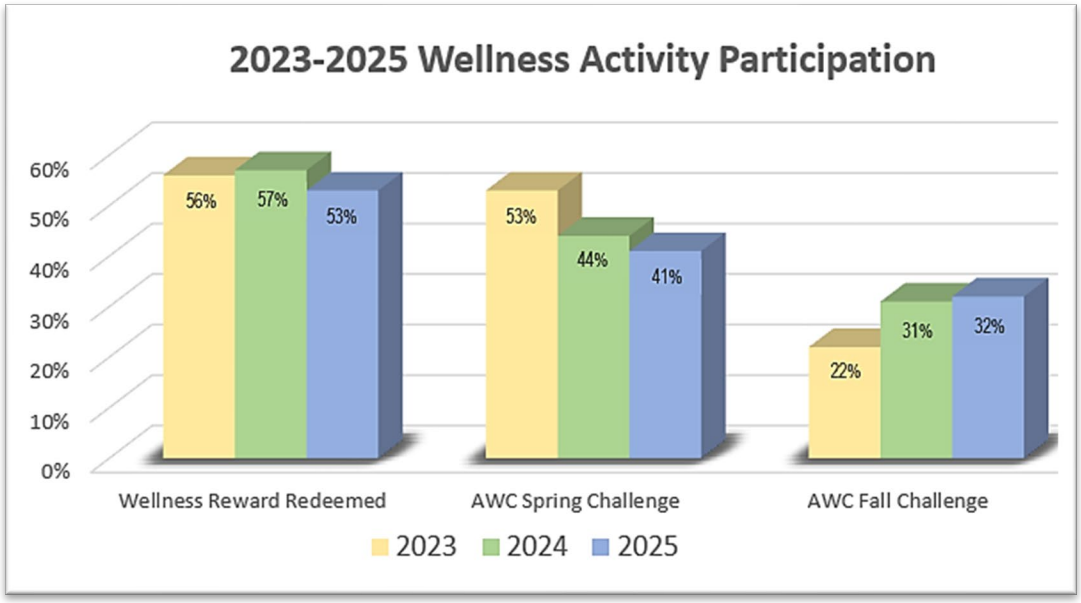
53% of employees earned their Wellness Reward

New Activities in 2025!

- **Mental Health Awareness**
- **Scarecrow Contest**
- **Holiday Survival Club**

Other Annual Activities

AWC spring and fall steps challenges
County Fair 8.8k Loop Run
Retirement investment Q&A
Insurance Q&A
Computer fraud prevention training



Thank you to Town Council, management, and staff for supporting the efforts of your Town Wellness Program committee!

RESOLUTION NO. 3026

A RESOLUTION BY THE COUNCIL OF THE TOWN OF FRIDAY HARBOR AUTHORIZING THE MAYOR TO EXECUTE CHANGE ORDER NOS. 4, 5, 6, AND 7 FOR THE WASTEWATER TREATMENT PLANT IMPROVEMENT PROJECT.

WHEREAS, pursuant to Resolution No. 2958 on June 5, 2025, the Town authorized a contract with BOSS Construction for the Wastewater Treatment Plant Improvement Project; and

WHEREAS, Resolution No. 3018 approved Change Orders No. 1 through 3, increasing total cost from $10,310,353 including 8.8% sales tax to the amount and of $13,562,904.71 including 8.65% sales tax; and

WHEREAS, Change Order No. 4 replaces the five existing overhead doors at the Biosolids Handling Building with sectional instead of rollup doors for a decrease of -$2,988.00 plus an estimated 8.65% sales tax of $258.46 for a total deduction of -$3,246.46; and

WHEREAS, Change Order No. 5 replaces the three (3) floating mixers for the SBR system with "Fold-a-Float" mixers to help reduce scum in the SBRs, and replaces the valve actuators with Rotork to match the existing actuators which provides interchangeability of replacement parts and uniformizes actuator service and maintenance requirements, for an increase of $174,312.40 plus an estimated 8.65% sales tax of $15,078.02 for a total cost of $189,390.42; and

WHEREAS, Change Order No. 6 replaces the existing UV system and controls, and replaces the 3W transfer pumps with new centrifugal pumps rather than repurposing the Town's submersible pumps, for an increase of $718,677.84 plus an estimated 8.65% sales tax of $62,165.63X for a total cost of $780,843.47; and

WHEREAS, Change Order No. 7 resizes and relocates the emergency generator to support the changes related to Change Orders 4 through 7 as well as accommodating the additional load from the Influent Equalization Pumps, for an increase of $39,200.73 plus an estimated 8.65% sales tax of $3,390.86 for a total cost of $42,591.59; and

WHEREAS, the Public Works Director recommends approval of Change Orders No. 4, 5, 6, and 7;

NOW, THEREFORE, BE IT RESOLVED by the Council of the Town of Friday Harbor as follows: The Mayor is authorized to accept Change Order Nos. 4, 5, 6, and 7 for the Wastewater Treatment Plant Improvement Project in the amount of $929,202.97 plus an estimated 8.65% sales tax of $80,376.06 for an estimated total of $1,009,579.03 and a new contract total amount of $14,572,483.74 including 8.65% sales tax attached hereto as Exhibit A.

DULY PASSED AND ADOPTED this 4th day of June 2026.

TOWN OF FRIDAY HARBOR

_____
Evan Perrollaz, Mayor

SEAL of the
Town of Friday Harbor
ATTEST:

_____
Jennifer M. Krembs, Town Clerk

CHANGE ORDER NO.: 04

Owner:	Town of Friday Harbor	Owner's Project No.:	Res. 2958
Engineer:	Wilson Engineering, LLC	Engineer's Project No.:	2020-048
Contractor:	BOSS Construction, Inc.	Contractor's Project No.:	25006
Project:	WWTP Improvements		
Contract Name:	Town of Friday Harbor WWTP Improvements		
Date Issued:	04-30-2026	Effective Date of Change Order:	04-30-2026

The Contract is modified as follows upon execution of this Change Order:

Description:

This Change Order is to replace the five (5) existing garage doors at the Biosolids Handling Building with sectional doors instead of roll-up doors, and add an electric operator to one of the sectional doors.

Attachments:

BC012 – Replace coiling drs with Section drs.pdf

Elec Drawings – Add Overhead Door Operator.pdf

Change in Contract Price	**Change in Contract Times**
Original Contract Price: $ 9,484,700.00 (excl. sales tax) $ 10,319,353.60 (incl. sales tax 8.8%)	Original Contract Times: Substantial Completion: 540 cd (12-25-2026) Ready for final payment: 583 cd (02-06-2027)
[Increase] ~~**[Decrease]**~~ from previously approved Change Orders No. 1 to No. **03** : $ $3,243,551.11 (incl. sales tax 8.65%)	**[Increase]** ~~**[Decrease]**~~ from previously approved Change Orders No.1 to No. **03** : Substantial Completion: 91 cd Ready for final payment: 91 cd
Contract Price prior to this Change Order: $ 12,483,115.24 (excl. sales tax) $ 13,562,904.71 (incl. sales tax 8.65%)	Contract Times prior to this Change Order: Substantial Completion: 631 cd (03-26-2027) Ready for final payment: 674 cd (05-08-2027)
~~**[Increase]**~~ **[Decrease]** this Change Order: $ -2,988.00 (excl. sales tax) $ -3,246.46 (incl. sales tax 8.65%)	**[Increase] [Decrease]** this Change Order: Substantial Completion: 0 cd Ready for final payment: 0 cd
Contract Price incorporating this Change Order: $ 12,480,127.24 (excl. sales tax) $ 13,559,658.25 (incl. sales tax 8.65%)	Contract Times with all approved Change Orders: Substantial Completion: 631 cd (03-26-2027) Ready for final payment: 674 cd (05-08-2027)

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	Recommended by Engineer (if required)	Accepted by Contractor
By:		
Title:		
Date:		

	Approved by Owner	Authorized by Owner
By:		
Title:		
Date:		

	Approved by Funding Agency
By:	
Title:	
Date:	

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BOSS Construction, Inc
Friday Harbor WWTP

BC#: **12** **Replace coiling doors with sectional doors**

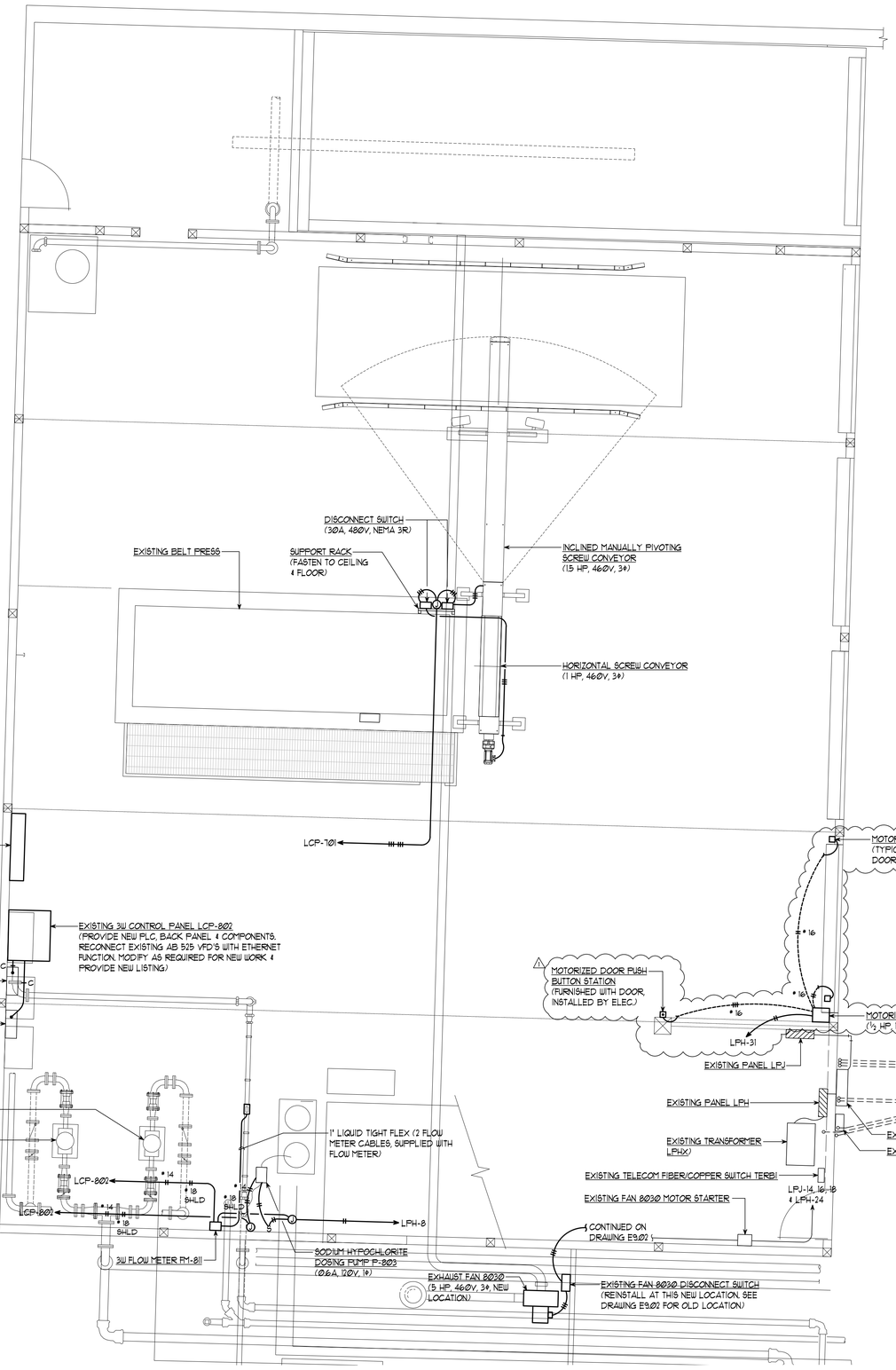
Date	DESCRIPTION	
	Coiling door original	(72,818.00)
	Sectional door	64,000.00
	Add motor operator dr 104A	3,000.00
	Electrical power to dr 104A	2,830.00
	Total deduct	**-$2,988.00**

NO.	REVISIONS	BY	DATE
1	ADD DOOR OPERATOR	STV	4/20/2026

K ENGINEERS INC.
208 Third Street
Lynden, WA. 98264
Bus. (360) 354-4757
FAX (360) 354-6794

STEVEN B. TEVIS
STATE OF WASHINGTON
41903
REGISTERED
PROFESSIONAL ENGINEER

WILSON ENGINEERING
WILSONENGINEERING.COM



ELECTRICAL – BIOSOLIDS HANDLING HANDLING POWER & CONTROLS PLAN

SCALE 4 0 4 8 FEET
HORIZONTAL SCALE

N

811 Call 811 two business days before you dig

CHANGE ORDER

DESIGNED BY	DRAWN BY	CHECKED BY
STV	KL	STV

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
ELECTRICAL – BIOSOLIDS HANDLING POWER & CONTROLS PLAN

DATE	SCALE	JOB NUMBER
2-28-2025	AS SHOWN	2149.10

SHEET E9.01 R1
PAGE 104 OF 168

NO.	REVISIONS	BY	DATE
1	ADD EQ BASIN	STV	11/7/2025
2	UV IMPROVEMENTS	STV	1/5/2026
3	ADD DOOR OPERATOR	STV	4/20/2026

EXISTING PANEL LPJ (MODIFY) — BIOSOLIDS BUILDING

VOLTAGE: 480Y/277V, 3 PH, 4 W
TYPE: LOAD CENTER, SQUARE D, NF442L2C
ENCLOSURE: NEMA 1
MOUNTING: SURFACE

BUSSING: MANUFACTURER'S STANDARD, CONTINUOUS RATING: 225 A, FULL AIC RATING: 65,000 A, SERIES AIC RATING: NONE

MAIN: CIRCUIT BREAKER, CONTINUOUS RATING: 200 A, FULL AIC RATING: 65,000 A, SERIES AIC RATING: NONE, LOCATION: BOTTOM

FEEDER/BRANCH CIRCUIT DEVICES: BOLT-ON CIRCUIT BREAKERS, FULL AIC RATING: 14,000 A, SERIES AIC RATING: 65,000 A

SPECIAL PROVISIONS: MASTER NAMEPLATE; GROUND BAR; PROVIDE HANDLE TIES FOR ALL MULTI-WIRE BRANCH CIRCUITS

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	0.0	0.0	0.0	1.25	0.0
Gen. Purpose Outlets (First 10 KVA)	0.0	0.0	0.0	1.00	0.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	6055.2	0.0	6055.2	1.00	6055.2
Process Equipment	33463.2	5152.3	38615.5	1.00	38615.5
Miscellaneous	0.0	0.0	0.0	1.00	0.0
25% Largest Motor					4182.9
TOTAL LOAD	39518.5	5152.3	44670.7		48853.6
TOTAL AMPS	47.5	6.2	53.7		58.8

CONN. LOAD (VA)	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	BKR AMP/P	CKT NO	BUS (PHASE)	CKT NO	BKR AMP/P	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	CONN. LOAD (VA)
			MAIN CIRCUIT BREAKER							
5577.2	3W WATER SYSTEM VFD 1		30/3	1	A	2	15/3	SPARE (FORMERLY PANEL 5641)	(1)	0.0
5577.2			|	3	B	4	|			0.0
5577.2			|	5	C	6				0.0
5577.2	3W WATER SYSTEM VFD 2		30/3	7	A	8	30/3	SPARE (FORMER TURD SWIRLER)	(1)	0.0
5577.2			|	9	B	10	|			0.0
5577.2			|	11	C	12				0.0
0.0	SPARE	(1)	15/3	13	A	14	30/3	FAN 8030 - SOUTH ROOM		2018.4
0.0	(FORMERLY FAN 8020 - MEZZANINE)		|	15	B	16	|			2018.4
0.0			|	17	C	18				2018.4
0.0	SPARE (FORMERLY SHORT CONVEYER #1)	(1)	20/3	19	A	20	20/3	SPARE (FORMERLY LONG CONVEYER #2)	(1)	0.0
0.0			|	21	B	22	|			0.0
0.0			|	23	C	24				0.0
0.0			SPACE	25	A	26	SPACE			0.0
0.0			SPACE	27	B	28	SPACE			0.0
0.0			SPACE	29	C	30	SPACE			0.0
0.0			SPACE	31	A	32	SPACE			0.0
0.0			SPACE	33	B	34	SPACE			0.0
0.0			SPACE	35	C	36	SPACE			0.0
0.0			SPACE	37	A	38	SPACE			2576.1
0.0			SPACE	39	B	40	SPACE			2576.1
0.0			SPACE	41	C	42	SPACE			2576.1
			MAIN CIRCUIT BREAKER							

NOTES
(1) REMOVE EXISTING CIRCUIT AND MAKE CIRCUIT BREAKER SPARE.
(2) PROVIDE NEW CIRCUIT & CIRCUIT BREAKER IN EXISTING SPACE.
(3) REMOVE EXISTING 30/3 CIRCUIT BREAKER & CIRCUIT. PROVIDE NEW CIRCUIT BREAKER AND RECONNECT EXISTING CIRCUIT.

EXISTING TRANSFORMER LPHX — BIOSOLIDS BUILDING

KVA: 75 PHASE: 3
PRIMARY: 480 DELTA
SECONDARY: 208Y/120
TAPS: 2 @ 2.5% FCAN, 4 @ 2.5% FCBN
COOLING: OA
INSULATION: CLASS 220
TEMP. RISE: 150C (40C AMBIENT)

TYPE: DRY
ENCLOSURE: NEMA 1
MOUNTING: FLOOR
WINDINGS: MANUFACTURER'S STANDARD
SPECIAL PROVISIONS: MASTER NAMEPLATE

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	1600.0	645.0	2245.0	1.25	2806.3
Gen. Purpose Outlets (First 10 KVA)	1800.0	0.0	1800.0	1.00	1800.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	540.0	0.0	540.0	1.00	540.0
Mechanical Equipment	1650.0	0.0	1650.0	1.00	1650.0
Kitchen Equipment & Appliances	8594.7	192.0	8786.7	1.00	8786.7
Miscellaneous	11770.8	1127.0	12897.8	1.00	12897.8
25% Largest Motor					0.0
TOTAL LOAD	25955.5	1964.0	27919.5		28480.7
TOTAL AMPS (PRIMARY)	31.2	2.4	33.6		34.3
TOTAL AMPS (SECONDARY)	72.0	5.5	77.5		79.1

EXISTING PANEL LPH (MODIFY) — BIOSOLIDS BUILDING

VOLTAGE: 208Y/120V, 3 PH, 4 W
TYPE: LOAD CENTER, SQAURE D, QOC342MS
ENCLOSURE: NEMA 1
MOUNTING: SURFACE

BUSSING: MANUFACTURER'S STANDARD, CONTINUOUS RATING: 200 A, FULL AIC RATING: 10,000 A, SERIES AIC RATING: NONE

MAIN: CIRCUIT BREAKER, CONTINUOUS RATING: 200 A, FULL AIC RATING: 10,000 A, SERIES AIC RATING: NONE, LOCATION: TOP

FEEDER/BRANCH CIRCUIT DEVICES: BOLT-ON CIRCUIT BREAKERS, FULL AIC RATING: 200 A, SERIES AIC RATING: 10,000 A

SPECIAL PROVISIONS: MASTER NAMEPLATE; GROUND BAR; PROVIDE HANDLE TIES FOR ALL MULTI-WIRE BRANCH CIRCUITS

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	1600.0	645.0	2245.0	1.25	2806.3
Gen. Purpose Outlets (First 10 KVA)	1800.0	0.0	1800.0	1.00	1800.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	540.0	0.0	540.0	1.00	540.0
Mechanical Equipment	1650.0	0.0	1650.0	1.00	1650.0
Process Equipment	8594.7	192.0	8786.7	1.00	8786.7
Miscellaneous	11770.8	1127.0	12897.8	1.00	12897.8
25% Largest Motor					0.0
TOTAL LOAD	25955.5	1964.0	27919.5		28480.7
TOTAL AMPS	72.0	5.5	77.5		79.1

CONN. LOAD (VA)	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	BKR AMP/P	CKT NO	BUS (PHASE)	CKT NO	BKR AMP/P	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	CONN. LOAD (VA)
			MAIN CIRCUIT BREAKER							
360.0	RECEPT BY PANEL		20/1	1	A	2	20/1	OUTLETS - PHONE		180.0
1500.0	WASHER		20/1	3	B	4	20/1	SPARE (FORMERLY SLUDGE CONVEYOR)	(2)	0.0
1248.0	DSHP 2		20/2	5	C	6	20/1	SPARE (FORMERLY SLUDGE CONVEYOR)	(2)	0.0
1248.0			|	7	A	8	20/1	FLOW METERS & SAMPLE PUMP	(3)	192.0
1248.0	LTG		20/2	9	B	10	20/2	DSHP 1		1248.0
1248.0			|	11	C	12	|			1248.0
180.0	220 V RECEPT W. WALL		20/2	13	A	14	60/3	3W CONTROL PANEL - WEST WALL		1200.9
180.0			|	15	B	16	|			1200.9
2161.6	OILER		30/3	17	C	18	|			1200.9
2161.6			|	19	A	20	15/1	HEAT WEST		800.0
2161.6			|	21	B	22	15/1	HEAT WEST		800.0
520.0	GATE		20/2	23	C	24	15/1	FAN 8030 CONTROL POWER		50.0
520.0			|	25	A	26	20/1	LTG - SHOP		1689.0
0.0	SPARE		40/2	27	B	28	20/2	BATH HEAT		0.0
0.0			|	29	C	30	|			0.0
1127.0	OVERHEAD DOOR OPERATOR - SOUTH DOOR		20/1	31	A	32	20/1	LTG - BATH & UPSTAIRS		556.0
360.0	OUTLETS - BAY WALL		20/1	33	B	34	20/1	REC		360.0
0.0	SPARE		20/2	35	C	36	20/1	REC		360.0
0.0			|	37	A	38	40/2	WELDER		180.0
0.0	SPARE		30/2	39	B	40	|			180.0
0.0			|	41	C	42	20/1	INSTA HOT		250.0

NOTES
(1) REMOVE EXISTING CIRCUIT AND MAKE CIRCUIT BREAKER SPARE.
(2) REMOVE EXISTING CIRCUIT & CIRCUIT BREAKER. PROVIDE NEW SPARE CIRCUIT BREAKER.
(3) REMOVE EXISTING CIRCUIT & CIRCUIT BREAKER. PROVIDE NEW CIRCUIT AND CIRCUIT BREAKER.
(4) PROVIDE NEW CIRCUIT ON EXISTING SPARE CIRCUIT BREAKER.

NEW CIRCUIT BREAKER HEQ — EQ BASIN ELECTRICAL ENCLOSURE

VOLTAGE: 480Y/277V, 3 PH, 4 W
TYPE: CIRCUIT BREAKER
ENCLOSURE: NEMA 1
MOUNTING: SURFACE
CONTINUOUS RATING: 150 A
FULL AIC RATING: 14,000 A
SERIES AIC RATING: NONE

SPECIAL PROVISIONS: NAMEPLATE; GROUND BAR; SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	0.0	408.0	408.0	1.25	510.0
Gen. Purpose Outlets (First 10 KVA)	0.0	360.0	360.0	1.00	360.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	0.0	0.0	0.0	1.00	0.0
Kitchen Equipment & Appliances	0.0	43980.2	43980.2	1.00	43980.2
Miscellaneous	0.0	2205.0	2205.0	1.00	2205.0
25% Largest Motor					281.8
TOTAL LOAD	0.0	46953.2	46953.2		47337.0
TOTAL AMPS	0.0	56.5	56.5		56.9

NEW TRANSFORMER XEQ — EQ BASIN ELECTRICAL ENCLOSURE

KVA: 7.5 PHASE: 1
PRIMARY: 480 V
SECONDARY: 120/240 V
TAPS: NONE
COOLING: OA
INSULATION: CLASS 220
TEMP. RISE: 115C (40C AMBIENT)

TYPE: DRY
ENCLOSURE: NEMA 3R, WALL MOUNTED
WINDINGS: MANUFACTURER'S STANDARD
NEMA TP-1 STANDARD

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	0.0	408.0	408.0	1.25	510.0
Gen. Purpose Outlets (First 10 KVA)	0.0	360.0	360.0	1.00	360.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	0.0	0.0	0.0	1.00	0.0
Kitchen Equipment & Appliances	0.0	0.0	0.0	1.00	0.0
Miscellaneous	0.0	2205.0	2205.0	1.00	2205.0
25% Largest Motor					281.8
TOTAL LOAD	0.0	2973.0	2973.0		3356.8
TOTAL AMPS (PRIMARY)	0.0	6.2	6.2		7.0
TOTAL AMPS (SECONDARY)	0.0	12.4	12.4		14.0

NEW PANEL LEQ — EQ BASIN ELECTRICAL ENCLOSURE

VOLTAGE: 120/240 V, 1 PH, 3 W
TYPE: PANELBOARD
ENCLOSURE: NEMA 1
MOUNTING: SURFACE

BUSSING: MANUFACTURER'S STANDARD, CONTINUOUS RATING: 100A, FULL AIC RATING: 10,000 A, SERIES AIC RATING: NONE

MAIN: CIRCUIT BREAKER, CONTINUOUS RATING: 40 A, FULL AIC RATING: 10,000 A, SERIES AIC RATING: NONE, LOCATION: TOP

FEEDER/BRANCH CIRCUIT DEVICES: BOLT-ON CIRCUIT BREAKERS, FULL AIC RATING: 10,000 A, SERIES AIC RATING: NONE

SPECIAL PROVISIONS: MASTER NAMEPLATE; GROUND BAR; 23" MAX HEIGHT

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	0.0	408.0	408.0	1.25	510.0
Gen. Purpose Outlets (First 10 KVA)	0.0	360.0	360.0	1.00	360.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	0.0	0.0	0.0	1.00	0.0
Kitchen Equipment & Appliances	0.0	0.0	0.0	1.00	0.0
Miscellaneous	0.0	2205.0	2205.0	1.00	2205.0
25% Largest Motor					281.8
TOTAL LOAD	0.0	2973.0	2973.0		3356.8
TOTAL AMPS	0.0	12.4	12.4		14.0

CONN. LOAD (VA)	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	BKR AMP/P	CKT NO	BUS (PHASE)	CKT NO	BKR AMP/P	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	CONN. LOAD (VA)
			MAIN CIRCUIT BREAKER							
136.0	LTG - NORTH LIGHT POLE		20/1	1	A	2	20/1	OUTLET - INSIDE ELECTRICAL ENCLOSURE		1127.0
180.0	OUTLET - NORTH LIGHT POLE		20/1	3	B	4	15/1	SPARE		828.0
272.0	LTG - SOUTH LIGHT POLE		20/1	5	A	6	20/1	SPARE		250.0
180.0	OUTLET - SOUTH LIGHT POLE		20/1	7	B	8	20/1	SPARE		0.0
0.0	SPARE		20/1	9	A	10	20/1	SPARE		0.0
0.0	SPARE		20/1	11	B	12	20/1	SPARE		0.0
0.0	SPARE		20/1	13	A	14	20/1	SPARE		0.0
0.0			SPACE	15	B	16	SPACE			0.0
0.0			SPACE	17	A	18	SPACE			0.0
0.0			SPACE	19	B	20	SPACE			0.0

CHANGE ORDER

K ENGINEERS INC.
208 Third Street
Lynden, WA. 98264
Bus. (360) 354-4757
FAX (360) 354-6794

STEVEN B. TEVEL — STATE OF WASHINGTON — 41903 — REGISTERED PROFESSIONAL ENGINEER

WILSON ENGINEERING
WILSONENGINEERING.COM

DESIGNED BY STV | DRAWN BY KL | CHECKED BY STV

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR, WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
ELECTRICAL – PANEL SCHEDULES

DATE 2-28-2025 | SCALE AS SHOWN | JOB NUMBER 2149.10

SHEET E16.04 R3 | PAGE 121 OF 168

CHANGE ORDER NO.: 05

Owner:	Town of Friday Harbor	Owner's Project No.:	Res. 2958
Engineer:	Wilson Engineering, LLC	Engineer's Project No.:	2020-048
Contractor:	BOSS Construction, Inc.	Contractor's Project No.:	25006
Project:	WWTP Improvements		
Contract Name:	Town of Friday Harbor WWTP Improvements		
Date Issued:	05-08-2026	Effective Date of Change Order:	05-08-2026

The Contract is modified as follows upon execution of this Change Order:

Description:

This Change Order is to replace the three (3) floating mixers for the SBR system with "Fold-a-Float" mixers to help reduce scum in the SBRs, and to replace the valve actuators with Rotork to match the existing actuators, which provide interchangeability of replacement parts and uniformize actuator service and maintenance requirements.

Attachments:

BC007 - Fold-a-float mixers proposal.pdf

BC008 - Rotork valve actuators.pdf

Change in Contract Price	**Change in Contract Times**
Original Contract Price: $ 9,484,700.00 (excl. sales tax) $ 10,319,353.60 (incl. sales tax 8.8%)	Original Contract Times: Substantial Completion: 540 cd (12-25-2026) Ready for final payment: 583 cd (02-06-2027)
[Increase] ~~[Decrease]~~ from previously approved Change Orders No. 1 to No. **04** : $ $3,240,304.65 (incl. sales tax 8.65%)	**[Increase] ~~[Decrease]~~** from previously approved Change Orders No.1 to No. **04** : Substantial Completion: 91 cd Ready for final payment: 91 cd
Contract Price prior to this Change Order: $ 12,480,127.24 (excl. sales tax) $ 13,559,658.25 (incl. sales tax 8.65%)	Contract Times prior to this Change Order: Substantial Completion: 631 cd (03-26-2027) Ready for final payment: 674 cd (05-08-2027)
[Increase] ~~[Decrease]~~ this Change Order: $ 174,312.40 (excl. sales tax) $ 189,390.42 (incl. sales tax 8.65%)	**[Increase] [Decrease]** this Change Order: Substantial Completion: 0 cd Ready for final payment: 0 cd
Contract Price incorporating this Change Order: $ 12,654,439.64 (excl. sales tax) $ 13,749,048.67 (incl. sales tax 8.65%)	Contract Times with all approved Change Orders: Substantial Completion: 631 cd (03-26-2027) Ready for final payment: 674 cd (05-08-2027)

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	Recommended by Engineer (if required)	Accepted by Contractor
By:		
Title:		
Date:		

	Approved by Owner	Authorized by Owner
By:		
Title:		
Date:		

	Approved by Funding Agency
By:	
Title:	
Date:	

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BOSS Construction, Inc
Friday Harbor WWTP Improvements

BC#: **007**

DESCRIPTION: Change to Fold-a-float mixers

Date	DESCRIPTION	QTY	UNIT	MAN HOUR	LABOR RATE	LABOR AMOUNT	MATERIALS U/C	MATERIALS AMOUNT	EQUIPMENT RATE	EQUIPMENT AMOUNT	SUBCONTRACT AMOUNT		TOTAL
3/19/2026	Aqua Aerobics quote	1.0	LS			-	72,536.00	72,536.00		-		-	72,536.00
						-		-		-		-	-
						-		-		-		-	-
						-		-		-		-	-
						-		-		-		-	-
						-		-		-		-	-
						-		-		-		-	-
						-		-		-		-	-
						-		-		-		-	-
						-		-		-		-	-
				0.0		0.00		72,536.00		0.00		0.00	72,536.00
	Sales tax - Below				@ 0%:	0.00	@ 0%:	0.00	@0%:	0.00	0%	0.00	0.00
	Contractor fee				22%	0.00	15%	10,880.40	15%	0.00	12%	0.00	10,880.40
	Subtotal:					0.00		83,416.40		0.00		0.00	83,416.40

BOSS Construction, Inc. reserves the right to make claims for contract time and for direct, indirect, and consequential costs, including cost of delays, related to any work either covered or affected by the change. This proposal excludes any and all permits and taxes.

Total Labor:	$0.00
Total Material:	$83,416.40
Total Equipment:	$0.00
Total Subcontractor:	$0.00
Total	$83,416.40
Sales Tax	$0.00
Total	$83,416.40

AQUA-AEROBIC SYSTEMS, INC.
A Metawater Company

March 19, 2026

Correspondence ID#: AAL-52794
Goble Sampson Associates, Inc
Attn: John Simon
22526 SE 64th Place, Suite 240
Issaquah, Washington 98027
USA
Ph# 425/392-0491
Fax# 425/392-9615
Email: jsimon@goblesampson.com

Project: FRIDAY HARBOR WWTP WA

RE: P.O. # 005 - Job: Friday Harbor WWTP Improvements
AASI Project ID # 106260A / SO # 111774 / AquaSBR® Sequencing Batch Reactor

Dear Chris,

AquaSBR® Sequencing Batch Reactor

Based upon the project request, Aqua-Aerobic Systems is providing the following Change Order Request for your consideration for the above stated Project:

DESCRIPTION OF SCOPE CHANGE:
Adder #1, Fold-a-Float® : $72,536. This adder is to replace the standard round float for our floating mixers with our Fold-A-Float Self-Deploying Segmented Float, which will assist with scum and floatable treatment (qty 6).

Adder #3, Rotork actuators in lieu of Auma: $84,051. This adder is to replace all Auma process valve actuators (qty 10) with Rotork actuators as originally specified.

TOTAL PRICE (ADDER) .....$ 156,587.00

*Note: State and/or local taxes are not included in the price - a valid resale/exemption certificate has been provided.

_____ Accepted _____ Declined

As your authorization for Aqua-Aerobic Systems to modify our scope of supply as stated above, we ask that you sign in the space provided below. Upon our receipt of your authorization we will revise our scope of supply and contract price accordingly. To expedite, please sign and return your authorization to me via email. If you have any questions regarding this matter please do not hesitate to contact me at 815-639-4450 or via email mswartz@aqua-aerobic.com.

AUTHORIZATION FOR CHANGE ORDER
(FRIDAY HARBOR & ID# 106260A)

Aqua-Aerobic Systems, Inc. is herein authorized to revise their contract scope of supply and price in accordance with the above stated contract revision(s).

Company Name:_____

Authorized Signature:_____

Signatory's Name & Title:_____

Date:_____

Sincerely,

Mike Swartz
Project Manager

CC: Goble Sampson Associates, Inc / ph#: 425/392-0491 / fx#: 425/392-9615
John Simon / jsimon@goblesampson.com

Aqua-Aerobic Systems, Inc.
Scott Kelly / SKelly@aqua-aerobic.com

BOSS Construction, Inc
<Project Name Here>

BC#: **008**

DESCRIPTION: Change to Rotork valve actuators

Date	DESCRIPTION	QTY	UNIT	MAN HOUR	LABOR RATE	LABOR AMOUNT	MATERIALS U/C	MATERIALS AMOUNT	EQUIPMENT RATE	EQUIPMENT AMOUNT	SUBCONTRACT AMOUNT		TOTAL
3/19/2026	Aqua Aerobics quote	1.0	LS			-	79,040.00	79,040.00		-		-	79,040.00
						-		-		-		-	-
						-		-		-		-	-
						-		-		-		-	-
						-		-		-		-	-
						-		-		-		-	-
						-		-		-		-	-
						-		-		-		-	-
						-		-		-		-	-
						-		-		-		-	-
						-		-		-		-	-
				0.0		0.00		79,040.00		0.00		0.00	79,040.00
	Sales tax - Below				@ 0%:	0.00	@ 0%:	0.00	@0%:	0.00	0%	0.00	0.00
	Contractor fee				22%	0.00	15%	11,856.00	15%	0.00	12%	0.00	11,856.00
	Subtotal:					0.00		90,896.00		0.00		0.00	90,896.00

BOSS Construction, Inc. reserves the right to make claims for contract time and for direct, indirect, and consequential costs, including cost of delays, related to any work either covered or affected by the change. This proposal excludes any and all permits and taxes.

Total Labor:	$0.00
Total Material:	$90,896.00
Total Equipment:	$0.00
Total Subcontractor:	$0.00
Total	$90,896.00
Sales Tax	$0.00
Total	$90,896.00

AQUA-AEROBIC SYSTEMS, INC.
A Metawater Company

March 19, 2026

Correspondence ID#: AAL-52794
Goble Sampson Associates, Inc
Attn: John Simon
22526 SE 64th Place, Suite 240
Issaquah, Washington 98027
USA
Ph# 425/392-0491
Fax# 425/392-9615
Email: jsimon@goblesampson.com

Project: FRIDAY HARBOR WWTP WA

RE: P.O. # 005 - Job: Friday Harbor WWTP Improvements
AASI Project ID # 106260A / SO # 111774 / AquaSBR® Sequencing Batch Reactor

Dear Chris,

AquaSBR® Sequencing Batch Reactor

Based upon the project request, Aqua-Aerobic Systems is providing the following Change Order Request for your consideration for the above stated Project:

DESCRIPTION OF SCOPE CHANGE:
Adder #1, Fold-a-Float® : $72,536. This adder is to replace the standard round float for our floating mixers with our Fold-A-Float Self-Deploying Segmented Float, which will assist with scum and floatable treatment (qty 6).

Adder #3, Rotork actuators in lieu of Auma: $84,051. This adder is to replace all Auma process valve actuators (qty 10) with Rotork actuators as originally specified.

TOTAL PRICE (ADDER) .....$ 156,587.00

*Note: State and/or local taxes are not included in the price - a valid resale/exemption certificate has been provided.

_____ Accepted _____ Declined

As your authorization for Aqua-Aerobic Systems to modify our scope of supply as stated above, we ask that you sign in the space provided below. Upon our receipt of your authorization we will revise our scope of supply and contract price accordingly. To expedite, please sign and return your authorization to me via email. If you have any questions regarding this matter please do not hesitate to contact me at 815-639-4450 or via email mswartz@aqua-aerobic.com.

AUTHORIZATION FOR CHANGE ORDER
(FRIDAY HARBOR & ID# 106260A)

Aqua-Aerobic Systems, Inc. is herein authorized to revise their contract scope of supply and price in accordance with the above stated contract revision(s).

Company Name:_____

Authorized Signature:_____

Signatory's Name & Title:_____

Date:_____

Sincerely,

Mike Swartz
Project Manager

CC: Goble Sampson Associates, Inc / ph#: 425/392-0491 / fx#: 425/392-9615
John Simon / jsimon@goblesampson.com

Aqua-Aerobic Systems, Inc.
Scott Kelly / SKelly@aqua-aerobic.com

CHANGE ORDER NO.: 06

Owner:	Town of Friday Harbor	Owner's Project No.:	Res. 2958
Engineer:	Wilson Engineering, LLC	Engineer's Project No.:	2020-048
Contractor:	BOSS Construction, Inc.	Contractor's Project No.:	25006
Project:	WWTP Improvements		
Contract Name:	Town of Friday Harbor WWTP Improvements		
Date Issued:	05-08-2026	Effective Date of Change Order:	05-08-2026

The Contract is modified as follows upon execution of this Change Order:

Description:

This Change Order is to replace the existing UV system with a new UV system including controls, and to provide new centrifugal pumps with casing heaters to replace the existing 3W Transfer Pumps instead of repurposing the Town's submersible pumps.

Attachments:

UV Replacement Drawings_5-7-2026.pdf

BC006 – UV Replacement cost proposal.pdf

Wilson Engineering Mail - Friday Harbor WWTP_contract time change.pdf

Change in Contract Price	**Change in Contract Times**
Original Contract Price: $ 9,484,700.00 (excl. sales tax) $ 10,319,353.60 (incl. sales tax 8.8%)	Original Contract Times: Substantial Completion: 540 cd (12-25-2026) Ready for final payment: 583 cd (02-06-2027)
[Increase] ~~[Decrease]~~ from previously approved Change Orders No. 1 to No. **05** : $ $3,429,695.07 (incl. sales tax 8.65%)	**[Increase] ~~[Decrease]~~** from previously approved Change Orders No.1 to No. **05** : Substantial Completion: 91 cd Ready for final payment: 91 cd
Contract Price prior to this Change Order: $ 12,654,439.64 (excl. sales tax) $ 13,749,048.67 (incl. sales tax 8.65%)	Contract Times prior to this Change Order: Substantial Completion: 631 cd (03-26-2027) Ready for final payment: 674 cd (05-08-2027)
[Increase] ~~[Decrease]~~ this Change Order: $ 718,677.84 (excl. sales tax) $ 780,843.47 (incl. sales tax 8.65%)	**[Increase] ~~[Decrease]~~** this Change Order: Substantial Completion: 66 cd Ready for final payment: 66 cd
Contract Price incorporating this Change Order: $ 13,373,117.48 (excl. sales tax) $ 14,529,892.14 (incl. sales tax 8.65%)	Contract Times with all approved Change Orders: Substantial Completion: 697 cd (05-31-2027) Ready for final payment: 740 cd (07-13-2027)

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	Recommended by Engineer (if required)	Accepted by Contractor
By:		
Title:		
Date:		

	Approved by Owner	Authorized by Owner
By:		
Title:		
Date:		

	Approved by Funding Agency
By:	
Title:	
Date:	

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PROCESS DESIGN DATA

STARTUP DESIGN INFORMATION

FLOW:

ADF	= 0.30 MGD
MMWF	= 0.49 MGD
MAX. WET WEATHER WEEK	= 0.76 MGD
MAX. DAY	= 1.28 MGD
PEAK HOUR	= 2.20 MGD

AVERAGE DAILY LOADS AND CONCENTRATIONS:

BOD_5		
	LOADING	= 683 lbs/day
	CONCENTRATION	= 274 mg/L
TSS		
	LOADING	= 458 lbs/day
	CONCENTRATION	= 184 mg/L
TKN		
	LOADING	= 130 lbs/day
	CONCENTRATION	= 52 mg/L

MAX MONTH LOADS AND CONCENTRATIONS:

BOD_5		
	LOADING	= 967 lbs/day
	CONCENTRATION	= 238 mg/L
TSS		
	LOADING	= 667 lbs/day
	CONCENTRATION	= 164 mg/L
TKN		
	LOADING	= 213 lbs/day
	CONCENTRATION	= 52 mg/L

MAX WET WEATHER WEEK LOADS AND CONCENTRATIONS:

BOD_5		
	LOADING	= 1167 lbs/day
	CONCENTRATION	= 184 mg/L
TSS		
	LOADING	= 888 lbs/day
	CONCENTRATION	= 140 mg/L
TKN		
	LOADING	= 279 lbs/day
	CONCENTRATION	= 44 mg/L

INFLUENT PUMP STATION:

NO. OF PUMPS:	3 SUBMERSIBLE PUMPS
CAPACITY PER PUMP:	1,000 GPM @ 50' TDH
FIRM CAPACITY (LARGEST PUMP OUT OF SERVICE):	2,000 GPM @ 50' TDH

SEQUENCING BATCH REACTORS:

NO. OF UNITS:	3 (2 EXISTING, 1 PROPOSED)
VOLUME OF EACH UNIT:	264,500 GALLONS
DESIGN MLSS:	4,000 mg/L

POST EQUALIZATION BASINS:

NO. OF UNITS:	2 (EXISTING)
VOLUME OF EACH UNIT:	48,000 GALLONS
TOTAL VOLUME:	96,000 GALLONS
EFFLUENT PUMPS, TYPE:	SUBMERSIBLE
NO. OF PUMPS:	4
CAPACITY, EACH:	530 GPM
FIRM CAPACITY:	2.3 MGD

UV DISINFECTION:

MONTHLY GEOMETRIC MEAN:	200 FC / 100mL
WEEKLY GEOMETRIC MEAN:	400 FC / 100mL
DOSE:	30 mJ/cm^2
NUMBER OF CHANNELS:	1
NUMBER OF BANKS:	2
CAPACITY WITH TWO BANKS ONLINE:	5.0 MGD

DIGESTER:

TOTAL VOLUME:	380,000 Gallons
NORMAL WORKING VOLUME:	190,000 Gallons (50% RESERVED FOR EMERGENCY STORAGE)
WAS:	12,100 GAL / DAY ± (AT 0.45% SOLIDS CONCENTRATION)
SUPERNATANT RETURN:	6,700 GAL / DAY
DESIGN CAPACITY:	35 DAYS (AT 1% SOLIDS CONCENTRATION)

YEAR 2045 DESIGN INFORMATION

FLOW:

ADF	= 0.47 MGD
MMWF	= 0.77 MGD
MAX. WET WEATHER WEEK	= 1.21 MGD
MAX. DAY	= 2.02 MGD
PEAK HOUR	= 3.48 MGD

AVERAGE DAILY LOADS AND CONCENTRATIONS:

BOD_5		
	LOADING	= 1075 lbs/day
	CONCENTRATION	= 274 mg/L
TSS		
	LOADING	= 722 lbs/day
	CONCENTRATION	= 184 mg/L
TKN		
	LOADING	= 204 lbs/day
	CONCENTRATION	= 52 mg/L

MAX MONTH LOADS AND CONCENTRATIONS:

BOD_5		
	LOADING	= 1529 lbs/day
	CONCENTRATION	= 238 mg/L
TSS		
	LOADING	= 1054 lbs/day
	CONCENTRATION	= 164 mg/L
TKN		
	LOADING	= 334 lbs/day
	CONCENTRATION	= 52 mg/L

MAX WET WEATHER WEEK LOADS AND CONCENTRATIONS:

BOD_5		
	LOADING	= 1858 lbs/day
	CONCENTRATION	= 184 mg/L
TSS		
	LOADING	= 1414 lbs/day
	CONCENTRATION	= 140 mg/L
TKN		
	LOADING	= 444 lbs/day
	CONCENTRATION	= 44 mg/L

DIGESTER:

TOTAL VOLUME:	380,000 Gallons
NORMAL WORKING VOLUME:	190,000 Gallons (50% RESERVED FOR EMERGENCY STORAGE)
WAS:	19,000 GAL / DAY ± (AT 0.45% SOLIDS CONCENTRATION)
SUPERNATANT RETURN:	10,500 GAL / DAY
DESIGN CAPACITY:	22 DAYS (AT 1% SOLIDS CONCENTRATION)

EFFLUENT DESIGN CRITERIA

BOD_5	= 30 mg/L avg monthly
TSS	= 30 mg/L avg monthly
Total Inorganic Nitrogen	= 8 mg/L annual average
Total Inorganic Nitrogen @ MMWF	= 51 lbs/day

NOTE: PROCESS EQUIPMENT MAY HAVE EFFLUENT REQUIREMENTS MORE STRICT THAN SHOWN HERE. SEE SPECIFICATIONS FOR MORE INFORMATION.

Call 811 two business days before you dig

CONSTRUCTION SET

WILSON ENGINEERING
WILSONENGINEERING.COM

JAMES S. WILSON — STATE OF WASHINGTON — 22307 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

DESIGNED BY	DRAWN BY	CHECKED BY
SJW	KWF	JGC

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON

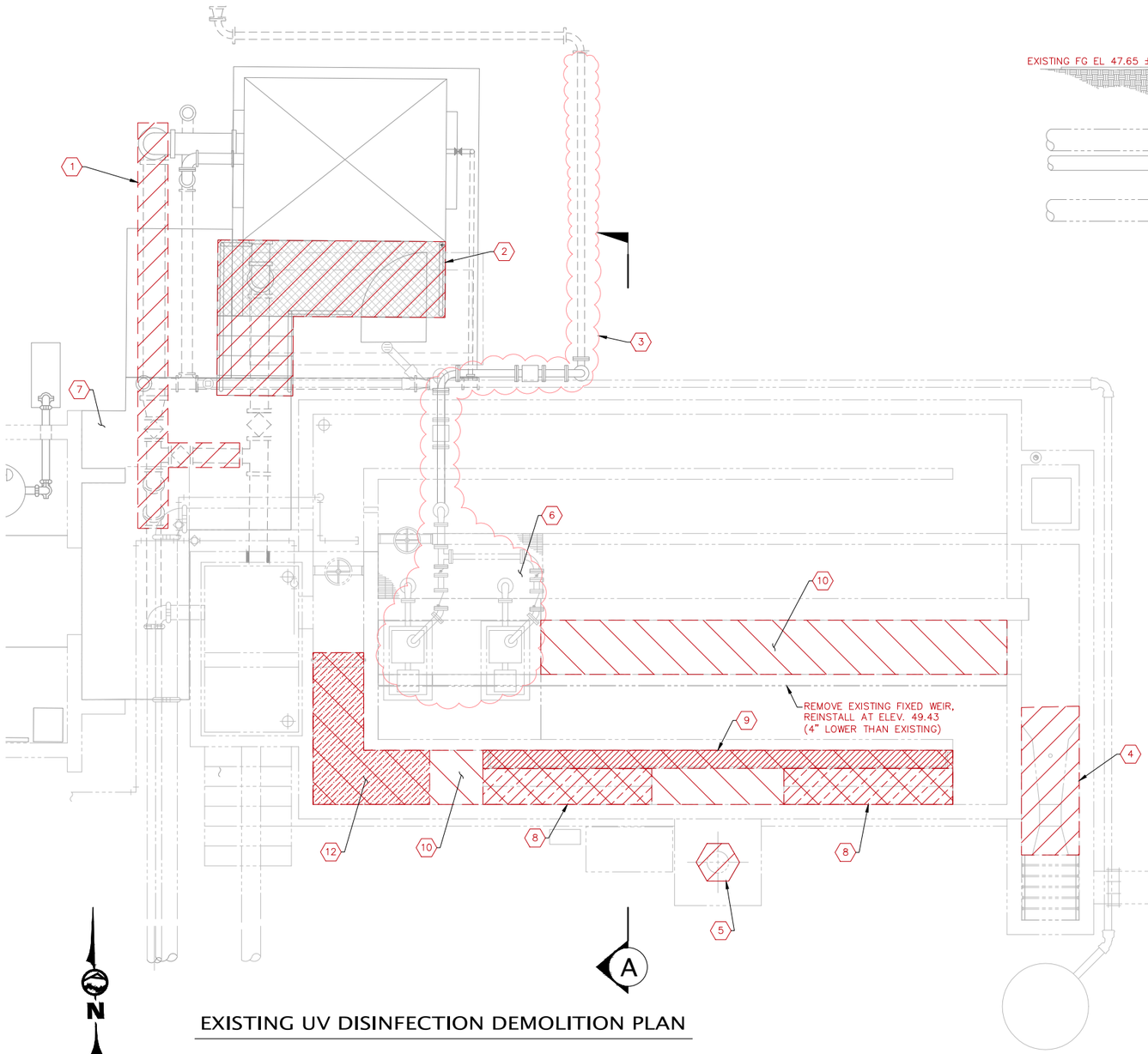
WASTEWATER TREATMENT PLANT IMPROVEMENTS

PROCESS DESIGN DATA

DATE	SCALE	JOB NUMBER
6/04/2025	AS SHOWN	2020-048

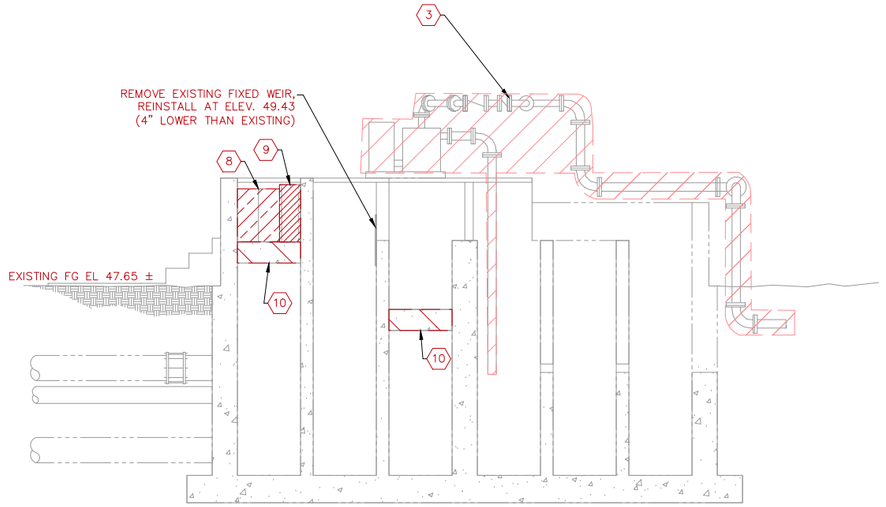
SHEET G1.01 PAGE 05 OF 168

PLOT SETTINGS: WE AutoCAD PDF (High Quality Print).pc3, ANSI full bleed B (11.00 x 17.00 Inches), Landscape, 1:2, WE APWA_SCREENED.ctb
W:\2020\2020-048 FRIDAY HARBOR WWTP DESIGN\1-VALUE ENGINEERING\DWG\RECORD DRAWING\AB_V2021_2020-048 G1.01 PROCESS DESIGN DATA.DWG - 5/7/2026 11:47 AM - Kenna Wurden-Foster



EXISTING UV DISINFECTION DEMOLITION PLAN

SCALE 3 0 3 6 FEET
HORIZONTAL SCALE



A SECTION A-A

SCALE 3 0 3 6 FEET
HORIZONTAL SCALE

DEMOLITION KEYED NOTES

1 = DEMOLISH EXISTING PIPING, APPROX. ELEV. 41.4, FOR CONSTRUCTION OF SECONDARY EFFLUENT FLOW CONTROL STRUCTURE PER — M5.03

2 = DEMOLISH EXISTING STAIRS, PLATFORM, AND EXISTING GRATING AS NEEDED FOR CONSTRUCTION OF SECONDARY EFFLUENT FLOW CONTROL STRUCTURE AND GRATING PER — C7.02 M5.03

3 = ~~DEMOLISH EXISTING 3W PIPING, PUMPS, AND CONCRETE EQUIPMENT PADS AS NEEDED FOR 3W TRANSFER PUMP STATION IMPROVEMENTS PER REPAIR CONCRETE SLAB BELOW AS NEEDED.~~ — M5.03

4 = DEMOLISH EXISTING EFFLUENT CHANNEL PARSHALL FLUME AND IN-CHANNEL GROUT. CHANNEL WALLS AND BOTTOM, AND EXISTING ULTRASONIC LEVEL SENSOR TO REMAIN.

5 = REMOVE EXISTING CRANE HOIST

6 = ~~REPLACE ALL EXISTING GRATING PANELS WHICH WILL HAVE UNNECESSARY CUTOUTS AFTER REPLACING 3W TRANSFER PUMPS PER~~ MATCH EXISTING GRATING. — M5.03

7 = DEMOLISH EXISTING 8" CONCRETE SLAB AS NEEDED FOR DEMOLITION OF EXISTING PIPING. POUR NEW SLAB WHERE DISTURBED, MATCHING EXISTING.

8 = REMOVE EXISTING UV UNITS AND ASSOCIATED CONTROLS AND PANELS AS INDICATED BY CROSSHATCH, AND DEMOLISH EXISTING CONCRETE CHANNEL BOTTOM BELOW, PER KEYED NOTE 10.

9 = DEMOLISH EXISTING CONCRETE BAFFLE WALL AS INDICATED BY DIAGONAL HATCH, AND DEMOLISH EXISTING CONCRETE CHANNEL BOTTOM BELOW, PER KEYED NOTE 10.

10 = DEMOLISH EXISTING CONCRETE CHANNEL BOTTOM TO EXTENTS INDICATED BY DIAGONAL HATCH. SEAL EXPOSED ENDS OF CUT REBAR PER SPEC.

11 = DEMOLISH EXISTING CONCRETE WALL TO ELEVATION 48.22+/-. SEAL EXPOSED ENDS OF CUT REBAR PER SPEC.

12 = DEMOLISH EXISTING CONCRETE WALKWAY AT TOP OF BASIN TO EXTENTS INDICATED BY DIAGONAL DOTTED-DASHED HATCH, AND DEMOLISH EXISTING CONCRETE CHANNEL BELOW PER KEYED NOTE 10. SEAL EXPOSED ENDS OF CUT REBAR PER SPEC.

NOTES:

1. DEMO SHALL BE COORDINATED WITH ENGINEER AND OWNER AND PHASED APPROPRIATELY WITH STARTUP WITH NEW IMPROVEMENTS. DISRUPTION OF EXISTING PLANT OPERATIONS SHALL NOT OCCUR.
2. SEE M5.03 FOR DEMO OF EXISTING 3W TRANSFER PUMPS.

811 Call 811 two business days before you dig

CHANGE ORDER

WILSON ENGINEERING
WILSONENGINEERING.COM

PRELIMINARY

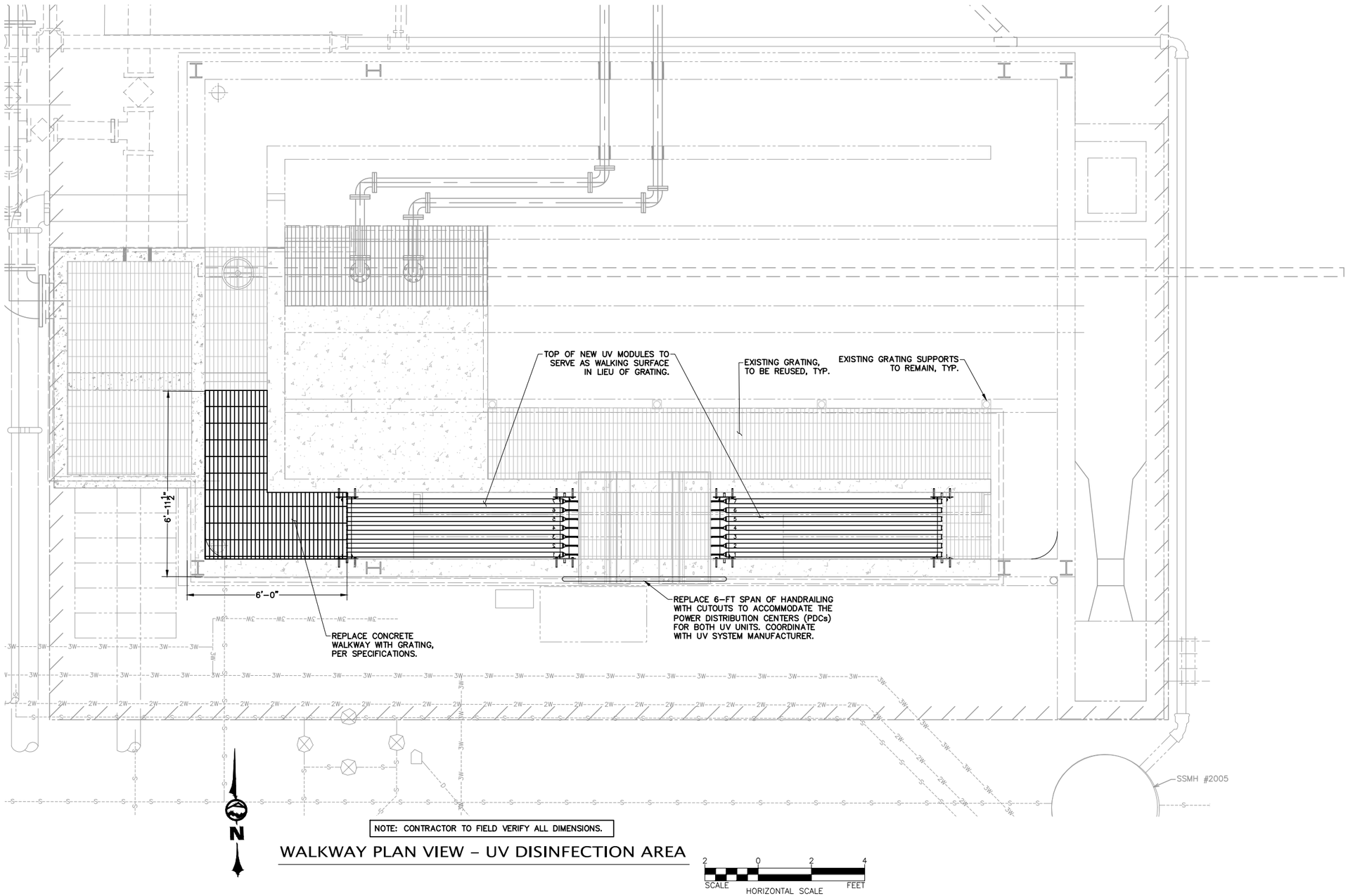
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SJW	KWF	JCC

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
DEMOLITION PLAN – DISINFECTION AREA

DATE	SCALE	JOB NUMBER
02/26/2026	AS SHOWN	2020-048

SHEET C1.15
PAGE 1 OF 31

PLOT SETTINGS: WE AutoCAD PDF (High Quality Print).pc3, ANSI full bleed B (11.00 x 17.00 Inches), Landscape, 1:2, WE APWA_SCREENED.ctb
W:\2020\2020-048 FRIDAY HARBOR WWTP DESIGN\1-VALUE ENGINEERING\CONSTRUCTION PHASE\CHANGE ORDERS\UV REPLACEMENT\DWG\2021_2020-048 UV1 DEMOLITION UV DISINFECTION.DWG - 3/20/2026 3:54 PM - Kenna Wurden-Foster



NOTE: CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS.

WALKWAY PLAN VIEW – UV DISINFECTION AREA

SCALE 2 0 2 4 FEET
HORIZONTAL SCALE

CHANGE ORDER

WILSON ENGINEERING
WILSONENGINEERING.COM

JAMES WILSON — STATE OF WASHINGTON — 22027 — REGISTERED PROFESSIONAL ENGINEER
PRELIMINARY

DESIGNED BY	DRAWN BY	CHECKED BY
KWF/SJW	KWF	JCC

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
UV DISINFECTION AREA – WALKWAY & HANDRAIL

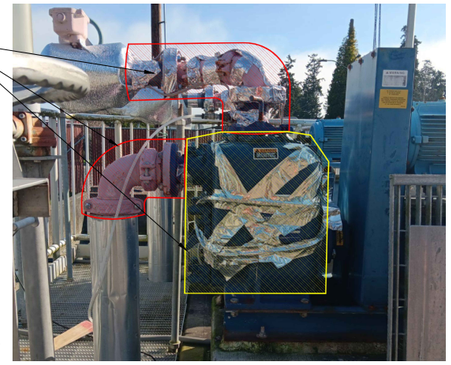
DATE	SCALE	JOB NUMBER
02/26/2026	AS SHOWN	2020-048

SHEET	PAGE
C7.04	2 OF 21

PLOT SETTINGS: WE AutoCAD PDF (High Quality Print).pc3, ANSI full bleed B (11.00 x 17.00 Inches), Landscape, 1:2, WE APWA_SCREENED.ctb
W:\2020\2020-048 FRIDAY HARBOR WWTP DESIGN\1-VALUE ENGINEERING\CONSTRUCTION PHASE\CHANGE ORDERS\UV REPLACEMENT\DWG\V2021_2020-048 UV2_UV REPLACEMENT.DWG - 3/18/2026 3:26 PM - Kenna Wurden-Foster

REMOVE ANY WORK ASSOCIATED WITH "BID ALTERNATE 5: 3W TRANSFER PUMP STATION" AS PART OF THIS CHANGE ORDER.

INSULATE SUCTION AND DISCHARGE PIPING AS SHOWN PER 33 30 00 2.01G. REPLACE HEAT TRACING AROUND DISCHARGE PIPING AND PUMP CASING. INSULATE PUMP CASING WITH "FIT TIGHT COVERS" CUSTOM REMOVABLE COVER.



ROOFLINE OF OPEN-WALLED UV DISINFECTION STRUCTURE PER STRUCTURAL DRAWINGS

OPEN-WALLED UV STRUCTURE COLUMN PER STRUCTURAL, TYP.

PV-504

WG-501

PV-581

PV-582

PV-505 EXISTING

HOIST BEAM PER STRUCTURAL, TO BE ALIGNED WITH SUBMERSIBLE PUMP LIFT POINTS, WITH TROLLEY HOIST PER SPECIFICATIONS.

SEE 3W TRANSFER PUMP DETAIL, THIS SHEET

NEW STOP PLATE SP-501 PER DETAIL 3/M5.07

21'-4½"

INSTALL VERTICAL WALL PER STRUCTURAL FROM EXISTING TANK BASIN BOTTOM SLAB (ELEV.=39.23 +/-) TO NEW CONCRETE SLAB (ELEV=48.22+/-).

REUSE EXISTING WEIR PLATE, REINSTALLED AT ELEV. 49.43, FOR STRAIGHT PORTION OF LEVEL CONTROL WEIR.

NEW LEVEL CONTROL SERPENTINE WEIR

2'-6"

32'-0"

INSTALL CHANNEL WIDTH REDUCTION BAFFLE PER STRUCTURAL TO REDUCE CHANNEL WIDTH TO 28"

REPLACE EXISTING PARSHALL FLUME AND GROUT WING WALLS WITH NEW FRP PARSHALL FLUME AND NEW GROUT OR CONCRETE WING WALLS PER SPEC SECTION 33 39 10. EXISTING ULTRASONIC LEVEL SENSOR TO BE RECALIBRATED AND REUSED.

REMOVE EXISTING MUD VALVE, EXTEND 4" PVC DRAIN PIPE VERTICALLY TO NEW UV CHANNEL FLOOR AT ELEV. 48.22+/-, AND INSTALL NEW 4" EPOXY-COATED CAST IRON MUD VALVE WITH 2" OPERATING NUT, TRUMBULL, TROY, OR APPROVED EQUAL.

GROUT CHANNEL CORNER WITH NON-SHRINK GROUT PER SPECS, 1-FOOT RADIUS TOP TO BOTTOM.

NEW UV SYSTEM PER SPECIFICATIONS

24'-2"

DOWNSPOUT FROM UV STRUCTURE ROOF, ROUTE DRAIN TO SSMH 2005.

42'-0"

SSMH #2005

REPLACE EXISTING 8" BUTTERFLY VALVE AND OPERATOR, REPLACE EXISTING VAULT

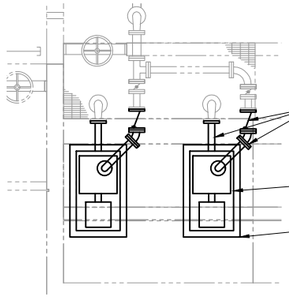
NOTE: WALKWAY ABOVE UV CHANNELS NOT SHOWN FOR CLARITY. SEE SHEET C7.04.

PLAN VIEW - UV DISINFECTION AREA

SCALE 3 0 3 6 FEET
HORIZONTAL SCALE

KEYED NOTES

- (14) = LINK-SEAL PENETRATION, TYP. PER 9/M6.02
- (15) = EFFLUENT FILTER INFLUENT FROM SEFCS WITH ISOLATION VALVE
- (16) = STAIRS AND PLATFORM TO ACCESS EFFLUENT DISC FILTER AND SEFCS PER –/C7.02
- (17) = SEFCS INFLUENT FROM POST EQ BASINS
- (18) = SECONDARY EFFLUENT FLOW CONTROL STRUCTURE (SEFCS)
- (19) = SEFCS OVERFLOW TO BYPASS EFFLUENT FILTER
- (20) = 8" DI BLIND FLANGE
- (21) = CABLE HANGER WITH 4 SST HOOKS.
- (22) = LEVEL TRANSDUCER, DEPTH PER OWNER
- (23) = PRESSURE GAUGE, ISOLATOR, AND SHUT OFF VALVE
- (24) = PROVIDE HORIZONTAL SUPPORT FOR GUIDE RAILS, 316 SS, MOUNTED TO INSIDE OF CONCRETE WALLS.
- (25) = 3" X 4" DI REDUCER
- (26) = 3"ø DI SPOOL



REPLACE SUCTION PIPING, DISCHARGE PIPING, AND CHECK VALVE AS SHOWN. REPLACE INSULATION PER DETAIL ABOVE.

REPLACE 3W TRANSFER PUMPS. SEE NOTE 1.

DEMO AND REPLACE CONCRETE BASE WITH NEW BASE PER STRUCTURAL DETAILS. 33" WIDE x 53" LONG. HEIGHT TO MATCH EXISTING.

NOTES:

1. PUMPS SHALL BE GORMAN RUPP U3B60S-B/F OR APPROVED EQUAL. PUMPS SHALL HAVE A VERTICAL V-BELT CONFIGURATION. OPTIONS SHALL INCLUDE CASING HEATER, AUTOMATIC AIR RELEASE VALVE, BUNA-N GASKETS AND O-RINGS, AND 316 STAINLESS STEEL HARDWARE.

3W TRANSFER PUMP DETAIL

NOT TO SCALE

INSTALL SLAB PER STRUCTURAL. BACKFILL BELOW WITH SAND PER SPEC.

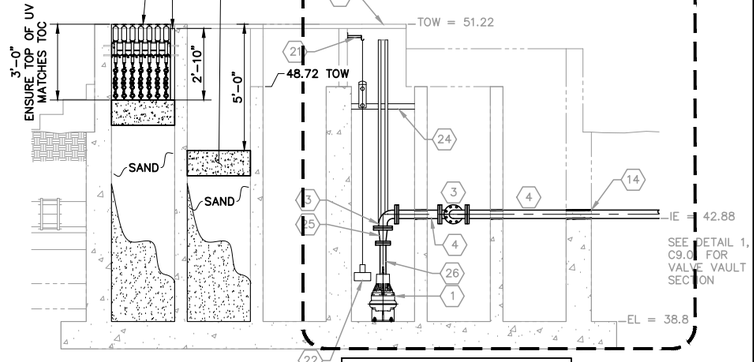
GROUT CHANNEL CORNER WITH NON-SHRINK GROUT PER SPECS, 1-FOOT RADIUS TOP TO BOTTOM.

NEW UV SYSTEM PER SPECIFICATIONS

INSTALL CHANNEL WIDTH REDUCTION BAFFLE

SLAB PER STRUCTURAL, TYP.

REMOVE ANY WORK ASSOCIATED WITH "BID ALTERNATE 5: 3W TRANSFER PUMP STATION" AS PART OF THIS CHANGE ORDER.



NOTE: LEVEL CONTROL WEIR AND PDC NOT SHOWN IN SECTION VIEW.

1 SECTION VIEW

NOT TO SCALE

CHANGE ORDER

N

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PRELIMINARY

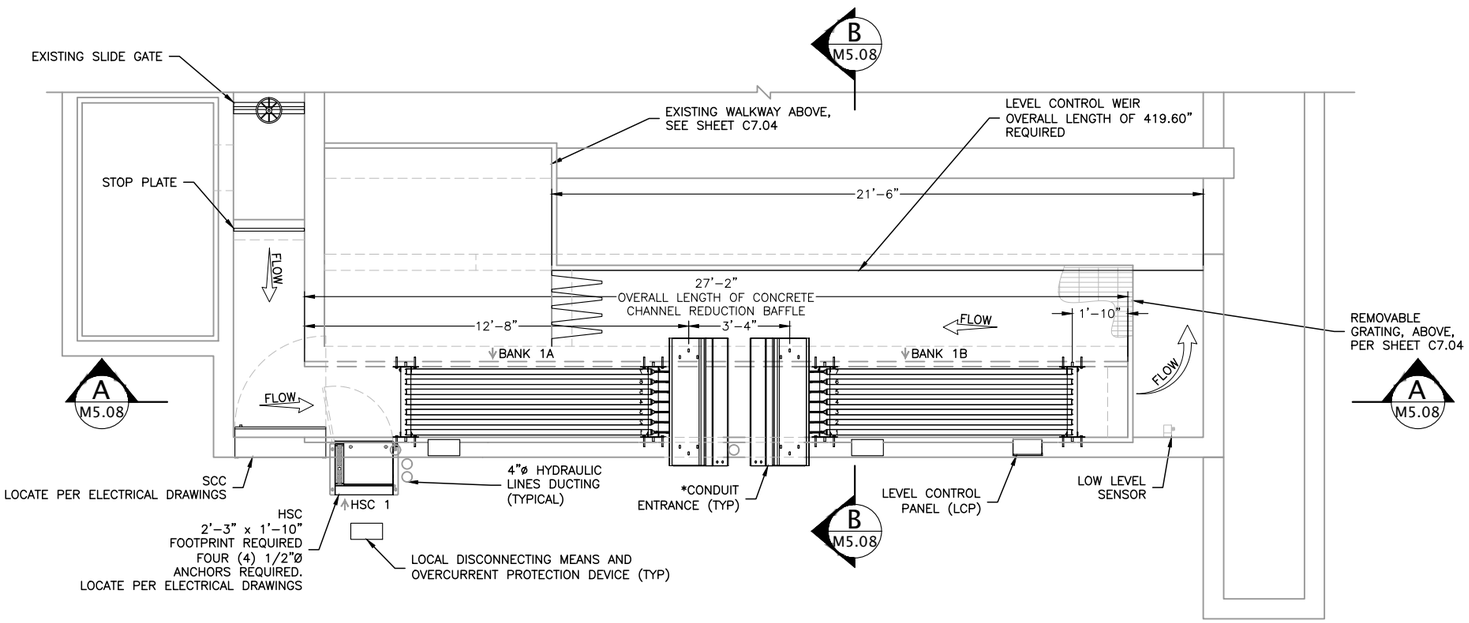
DESIGNED BY	DRAWN BY	CHECKED BY
KWF/SJW	KWF	JCC

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
UV DISINFECTION AREA

DATE	SCALE	JOB NUMBER
02/26/2026	AS SHOWN	2020-048

SHEET M5.03 PAGE 3 OF 31

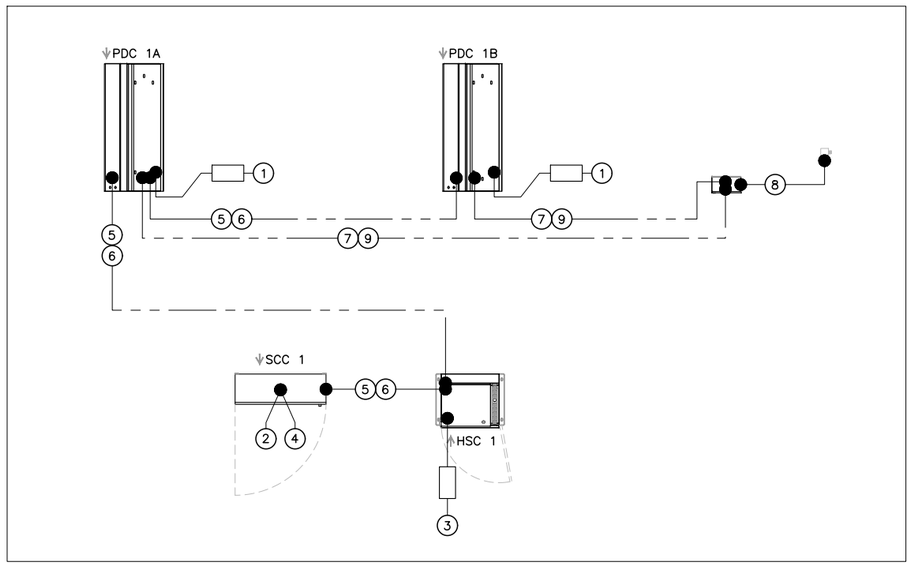
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W:\2020\2020-048 FRIDAY HARBOR WWTP DESIGN\1-VALUE ENGINEERING\CONSTRUCTION PHASE\CHANGE ORDERS\UV REPLACEMENT\DWG\V2021_2020-048 UV2_UV REPLACEMENT.DWG - 3/18/2026 3:25 PM - Kenna Wurden-Foster



1 PLAN VIEW
NOT TO SCALE

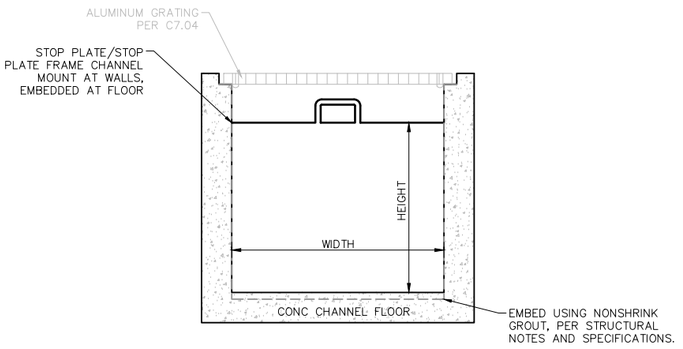
No.	DESCRIPTION	FROM	TO
1	POWER DISTRIBUTION CENTER (PDC) POWER SUPPLY 480Y/277V, 3 PHASE, 4 WIRE + GROUND, 60 Hz 7.2 kVA/PDC POWER DRAW 12 AMPS MAXIMUM CURRENT/PHASE	DISTRIBUTION PANEL (DP) (NOT SHOWN)	PDC
2	SYSTEM CONTROL CENTER (SCC) "TOUCH SMART PLUS" POWER SUPPLY 120V, 1 PHASE, 2 WIRE + GROUND, 60 Hz 1.44 kVA, 12 AMPS	DISTRIBUTION PANEL (DP) (NOT SHOWN)	SCC
3	HYDRAULIC SYSTEMS CENTER (HSC) POWER SUPPLY 480V, 3 PHASE, 3 WIRE + GROUND, 60 Hz 2.5 kVA, 3 AMPS	DISTRIBUTION PANEL (DP) (NOT SHOWN)	HSC
4	FLOW METER 4–20 mA, DC ANALOG INPUT	FLOW METER PANEL (NOT SHOWN)	SCC
5	GROUND LINK 14 AWG TYPE TWH STRANDED	SCC	PDCs THRU HSC (DAISY CHAINED)
6	MODBUS BELDEN 3106A, 22AWG, 1 TWISTED PAIR + ONE CONDUCTOR, SHIELDED OR EQUIVALENT (120 OHM MIN. IMPEDANCE)	SCC	PDCs THRU HSC (DAISY CHAINED)
7	LEVEL CONTROL PANEL (LCP) POWER SUPPLY 24 VDC – 2 CONDUCTORS	PDC	LCP
8	DISCRETE LOW LEVEL SIGNAL 24 VDC – 2 CONDUCTORS	LOW LEVEL SENSOR	LCP
9	DISCRETE WATER LEVEL SIGNAL 24 VDC – 2 CONDUCTORS	LCP	PDC

NOTES:
: DO NOT SLOPE CHANNEL FLOOR.
: CHANNEL WIDTH & DEPTH MUST BE KEPT WITHIN A TOLERANCE OF + OR – ¼" AGAINST A COMMON DATUM ELEVATION.
: ELECTRICAL REQUIREMENTS SHOWN ARE TO SUPPLY UV EQUIPMENT ONLY. ELECTRICAL INRUSH FACTOR TO BE ADDED AS PER LOCAL CODE.
: REMOVABLE GRATING SECTIONS SHALL BE EASILY REMOVED BY ONE PERSON. MAXIMUM WEIGHT OF THE SECTIONS SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF THE APPLICABLE JURISDICTION.
: CONTRACTOR TO REVIEW ALL UV MANUFACTURER INSTALLATION INSTRUCTIONS PRIOR TO EQUIPMENT INSTALLATION.
: EFFLUENT LEVELS SHOWN REFLECT HYDRAULICS ASSOCIATED WITH UV EQUIPMENT ONLY. EFFLUENT LEVELS MAY BE ALTERED DUE TO CHANNEL DEBRIS OR GEOMETRY.
: CONDUIT RUN BETWEEN HSC AND PDC(s) IS 20' MAXIMUM.
: HSC HYDRAULIC ENTRANCE(s) SHALL NOT BE MORE THAN 1'–0" BELOW PDC MOUNTING ELEVATION TO PREVENT HSC PUMP FLOODING.
* POWER AND LOW VOLTAGE CONDUITS MUST ENTER LABELED LOCATION ON LEFT SIDE OF PDC.



2 INTERCONNECTIONS PLAN VIEW
NOT TO SCALE

STOP PLATE SCHEDULE		
STOP PLATE #	WIDTH (INCHES)	HEIGHT (INCHES)
SP–501	28"	30"



3 STOP PLATES DETAIL
NOT TO SCALE

CHANGE ORDER

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PRELIMINARY
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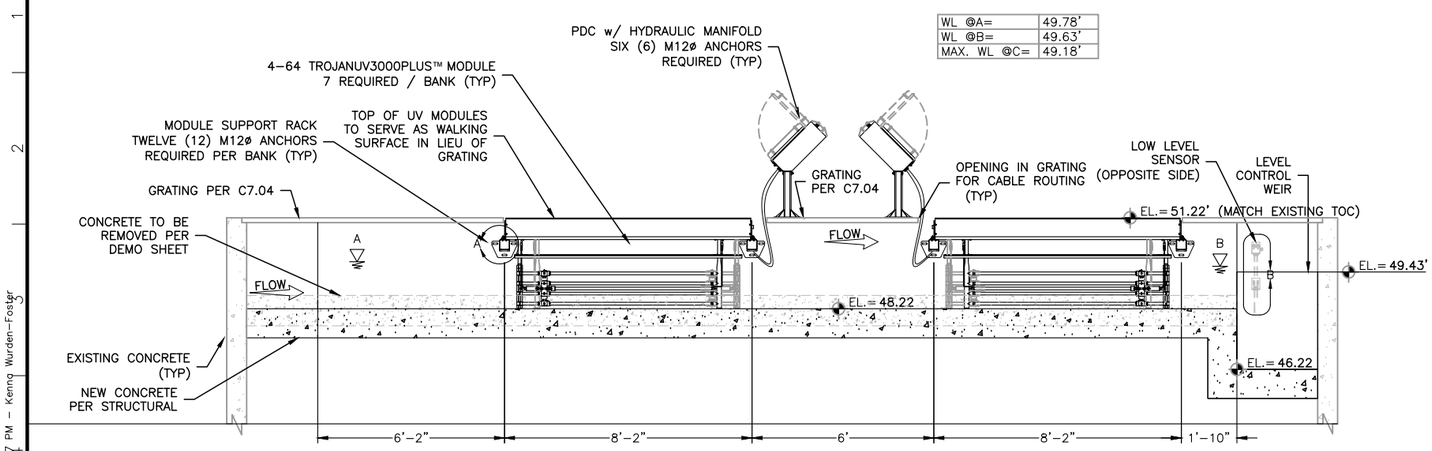
DESIGNED BY	DRAWN BY	CHECKED BY
KWF/SJW	KWF	JCC

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
UV EQUIPMENT LAYOUT – PLAN

DATE	SCALE	JOB NUMBER
02/26/2026	AS SHOWN	2020-048

SHEET M5.07
PAGE 4 OF 31

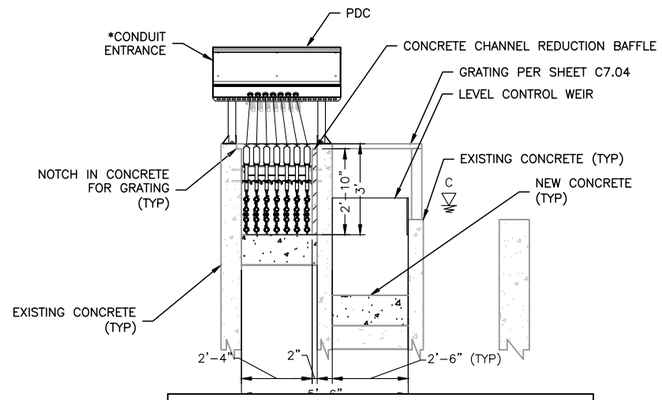
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W:\2020\2020-048 FRIDAY HARBOR WWTP DESIGN\1-VALUE ENGINEERING\CONSTRUCTION PHASE\CHANGE ORDERS\UV REPLACEMENT\DWG\V2021_2020-048_UV2 REPLACEMENT.DWG – 3/18/2026 3:33 PM – Kennq Wurden-Foster



WL @A=	49.78'
WL @B=	49.63'
MAX. WL @C=	49.18'

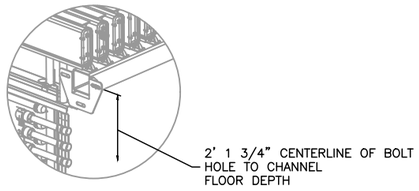
NOTES:
SEE SHEET M5.03 FOR LAYOUT OF EXISTING CONCRETE CHANNELS.
SLIDE GATE AND STOP PLATE NOT SHOWN FOR CLARITY.

A M5.07 SECTION
NOT TO SCALE

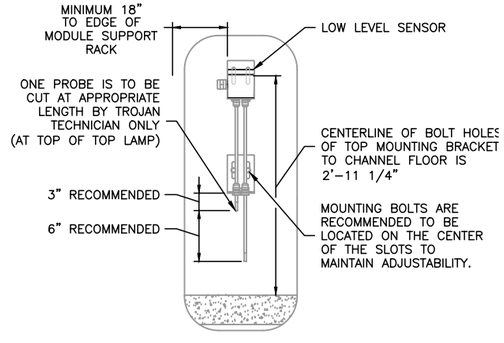


NOTES:
SEE SHEET M5.03 FOR LAYOUT OF EXISTING CONCRETE CHANNELS.
HSC, SCC, SLIDE GATE, AND STOP PLATE NOT SHOWN FOR CLARITY.

B M5.07 SECTION
NOT TO SCALE



A -- DETAIL
NOT TO SCALE



B -- DETAIL
NOT TO SCALE

NOTES:
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: CHANNEL WIDTH & DEPTH MUST BE KEPT WITHIN A TOLERANCE OF + OR – ¼" AGAINST A COMMON DATUM ELEVATION.
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* POWER AND LOW VOLTAGE CONDUITS MUST ENTER LABELED LOCATION ON LEFT SIDE OF PDC.

CHANGE ORDER

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PRELIMINARY — NOT FOR CONSTRUCTION — JAMES WILSON — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

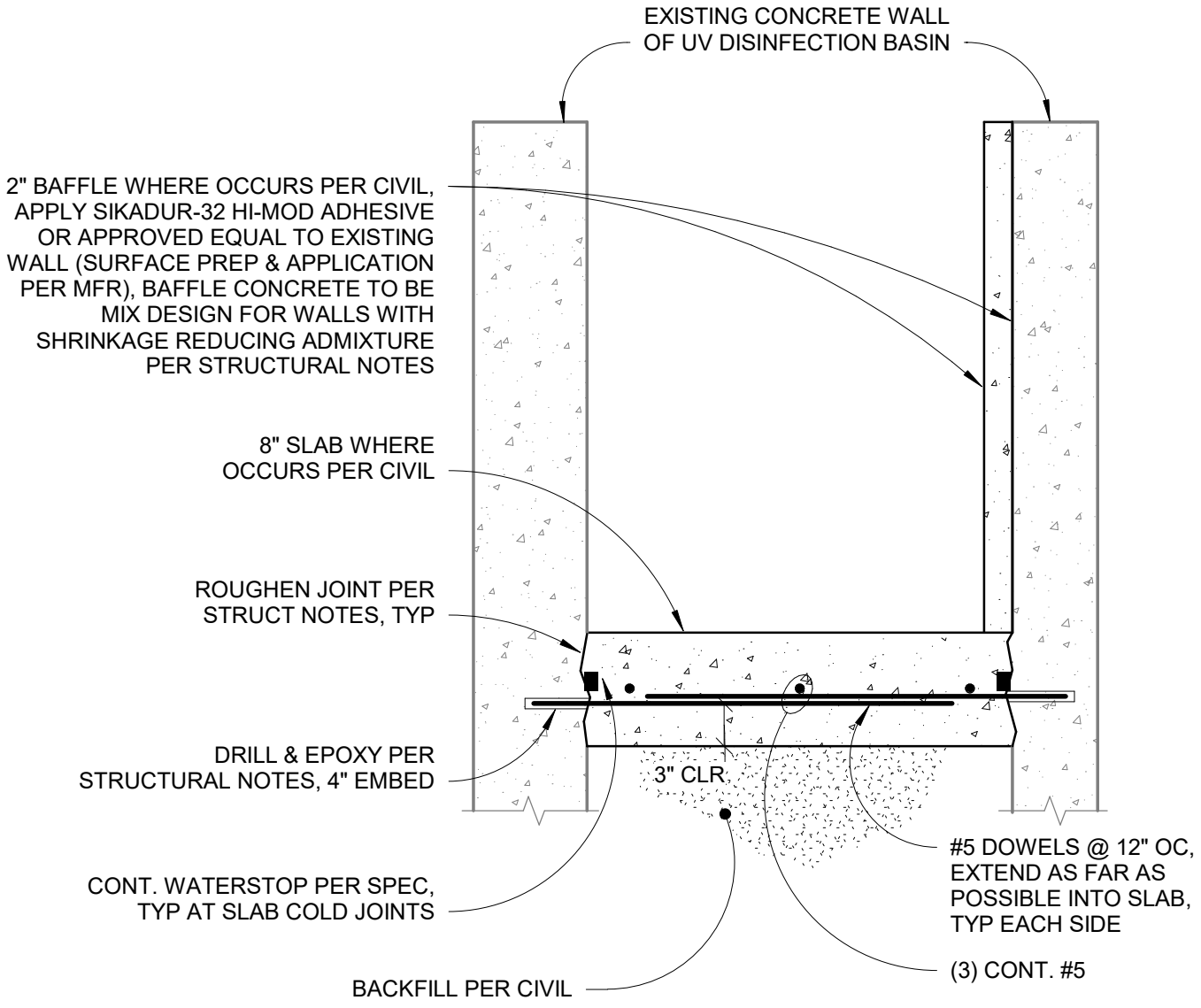
DESIGNED BY	DRAWN BY	CHECKED BY
KWF/SJW	KWF	JCC

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
UV EQUIPMENT LAYOUT – SECTION

DATE	SCALE	JOB NUMBER
02/26/2026	AS SHOWN	2020-048

SHEET M5.08 PAGE 5 OF 31

PLOT SETTINGS: WE AutoCAD PDF (High Quality Print).pc3, ANSI full bleed B (11.00 x 17.00 Inches), Landscape, 1:2, WE APWA_SCREENED.ctb
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JOHN R. KING
STATE OF WASHINGTON
12/16/2025
37388
STRUCTURAL ENGINEER
PROFESSIONAL ENGINEER

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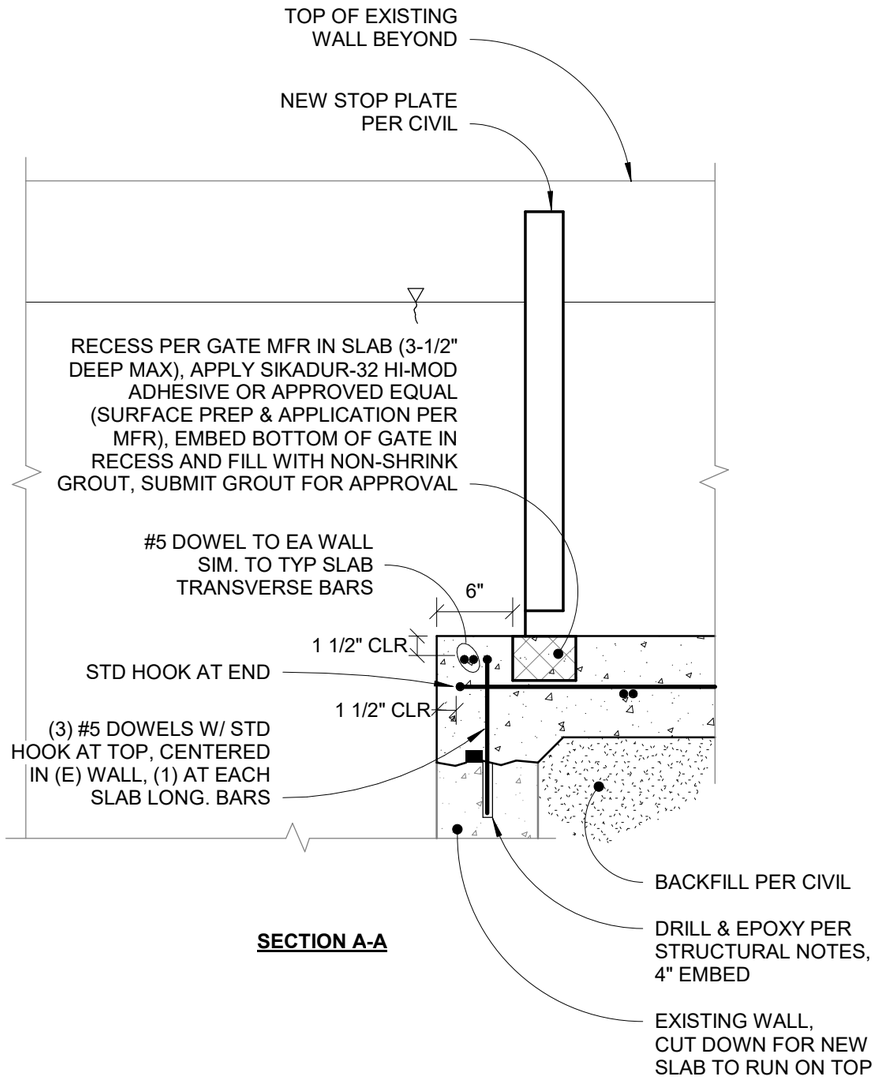
KINGWORKS STRUCTURAL ENGINEERS
600 Dupont St, Suite B
Bellingham, WA 98225
360.714.8260
www.king-works.com

SLAB & BAFFLE IN UV DISINFECTION AREA

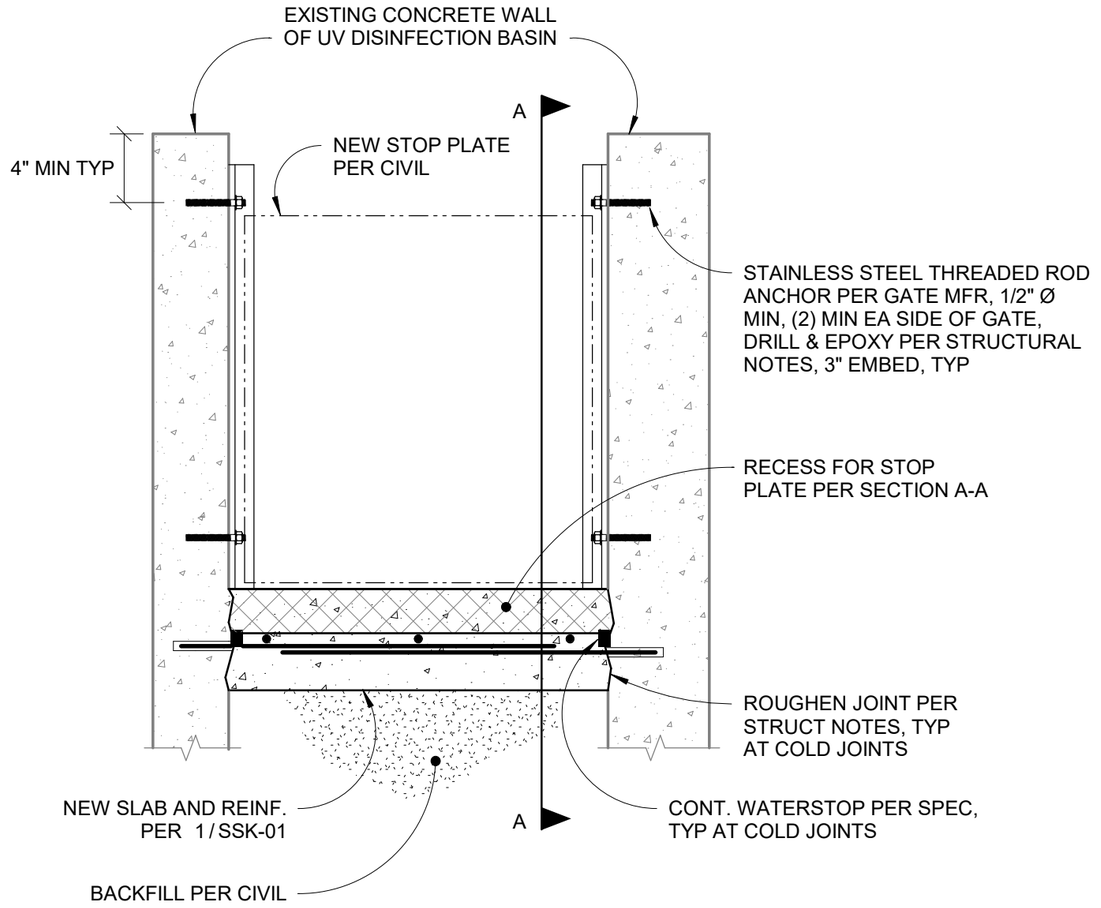
WASTEWATER TREATMENT PLANT IMPROVEMENTS

Project number	23131	SSK-01	
Date	12/16/2025		
Drawn by	THeidersdorf		
Checked by	JKing	Scale	1" = 1'-0"

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SECTION A-A





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360.714.8260
www.king-works.com

STOP PLATE IN UV DISINFECTION AREA

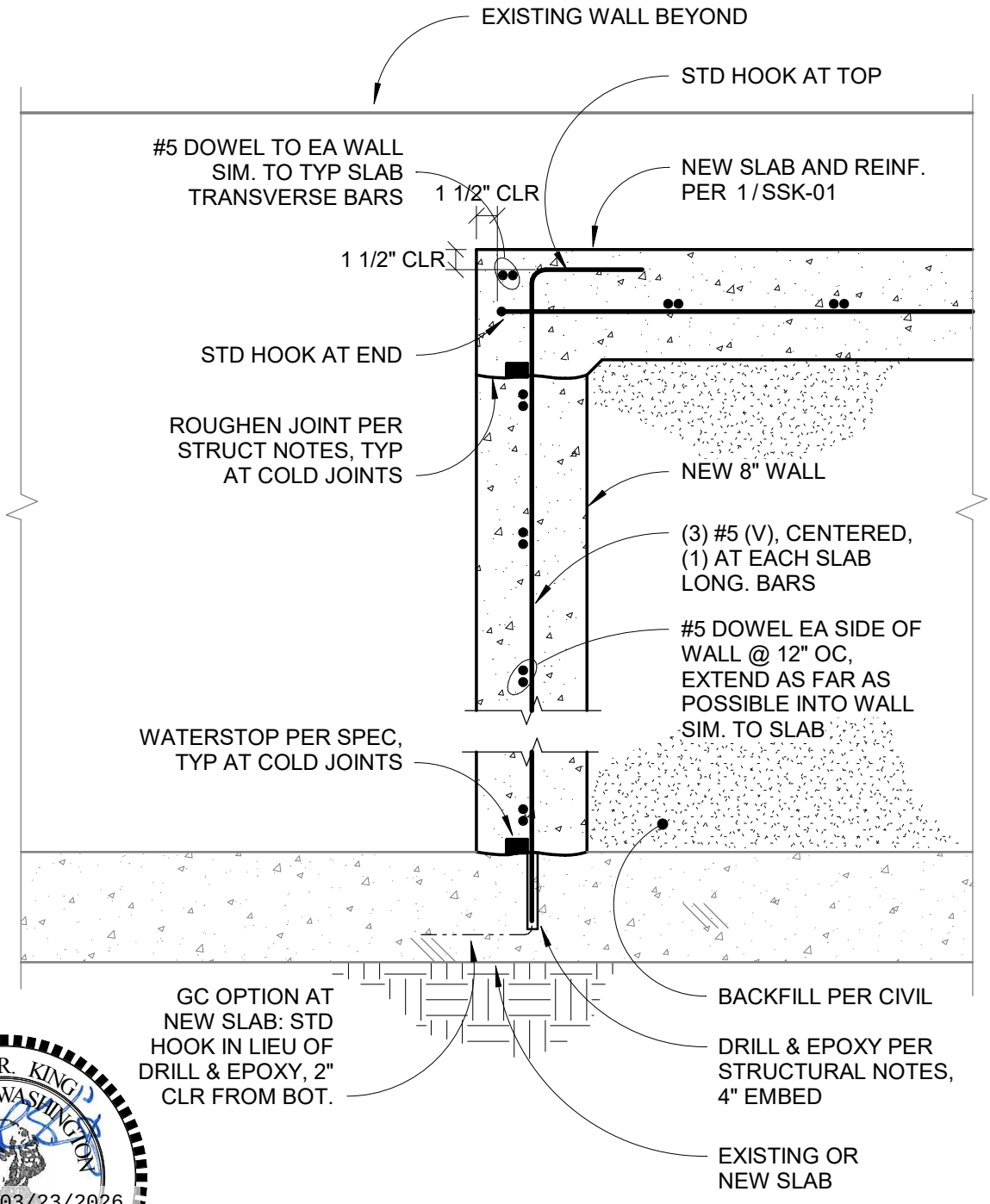
WASTEWATER TREATMENT PLANT IMPROVEMENTS

Project number	23131
Date	3/23/26
Drawn by	THeidersdorf
Checked by	JKing
Scale	1" = 1'-0"

SSK-03

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3/23/2026 9:45:05 AM





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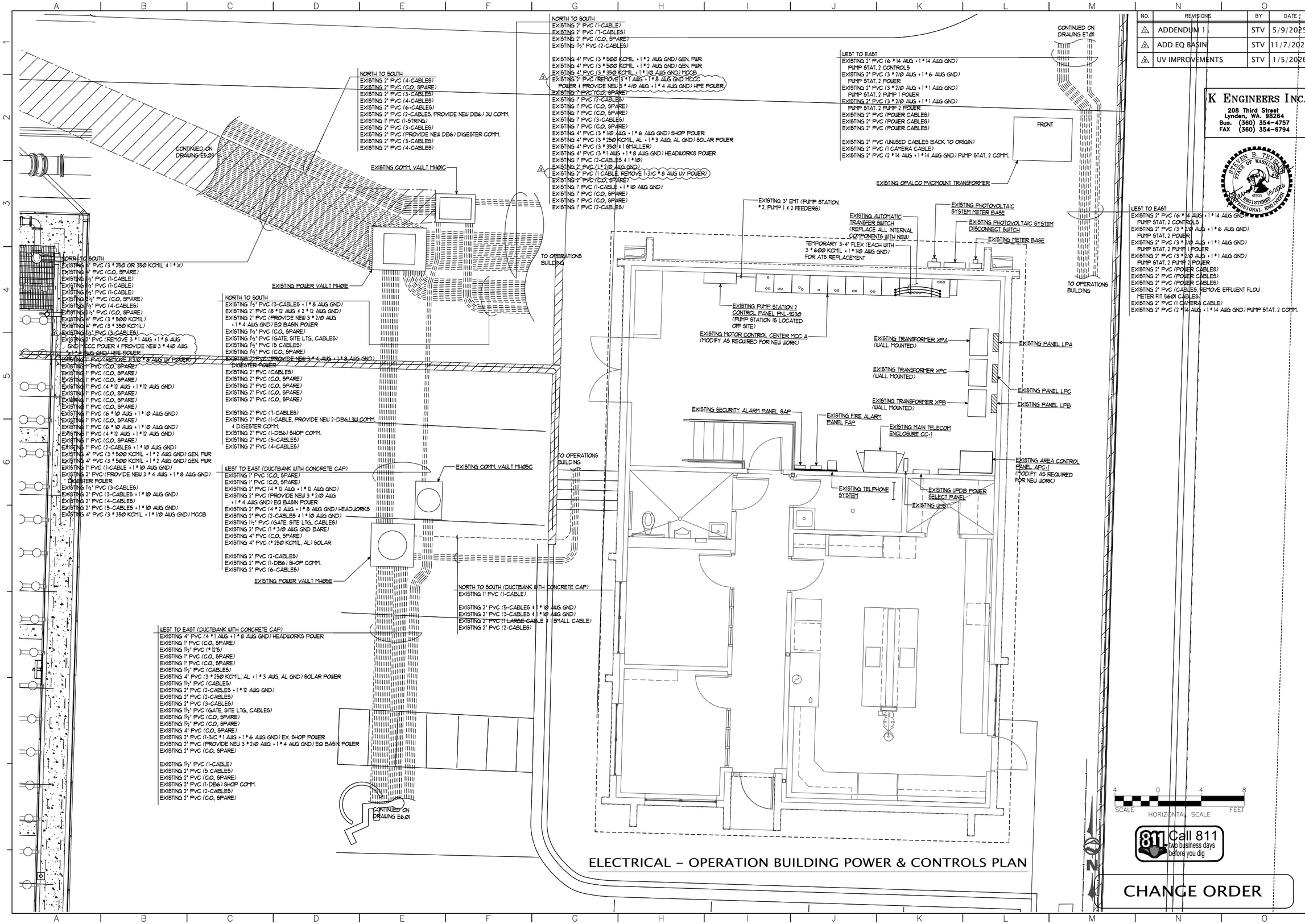
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Bellingham, WA 98225
360.714.8260
www.king-works.com

WALL IN UV DISINFECTION AREA

WASTEWATER TREATMENT PLANT IMPROVEMENTS

Project number	23131		SSK-04
Date	3/23/26		
Drawn by	THeidersdorf		
Checked by	JKing	Scale	1" = 1'-0"

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NO.	REMISIONS	BY	DATE
1	ADDENDUM 1	STV	5/9/2025
2	ADD EQ BASIN	STV	11/7/2025
3	UV IMPROVEMENTS	STV	1/5/2026

K ENGINEERS INC.
208 Third Street
Lynden, WA. 98264
Bus. (360) 354-4757
FAX (360) 354-6794

STEVEN B. T'SEVAS STATE OF WASHINGTON 1903 REGISTERED PROFESSIONAL ENGINEER 15/2016

WILSON ENGINEERING
WILSONENGINEERING.COM

DESIGNED BY	DRAWN BY	CHECKED BY
STV	KL	STV

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
ELECTRICAL – OPERATION BUILDING POWER & CONTROLS PLAN

DATE	SCALE	JOB NUMBER
2-28-2025	AS SHOWN	2149.10

SHEET	PAGE
E2.01 R3	7 OF 20

NO.	REVISIONS	BY	DATE
1	ADD EQ BASIN	STV	11/7/2025
2	IMPROVEMENTS & PER SBR SUBMITTAL	STV	1/5/2026

K ENGINEERS INC.
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Lynden, WA. 98264
Bus. (360) 354-4757
FAX (360) 354-6794

STEVEN B. TEW
STATE OF WASHINGTON
21903
REGISTERED PROFESSIONAL ENGINEER
15/2026

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CONTINUED ON DRAWING E5.04

CONTINUED ON DRAWING E5.03

CONTINUED ON DRAWING E5.03

CONTINUED ON DRAWING E5.03

¾" PGRS (4 # 14 AWG + 3 # 12 AWG + 1 # 12 AWG GND)

MIXER MOTOR MX-342 (5 HP, 480V, 3ø)

MIXER CABLE (SUPPLIED WITH MIXER)

XP

STAINLESS ANCHOR & STAINLESS CABLE STRAIN RELIEF (KELLEMS GRIP)

SBR 1

SBR 2

MIXER MOTOR MX-352 (5 HP, 480V, 3ø)

MIXER CABLE (SUPPLIED WITH MIXER)

MIXER MOTOR MX-362 (5 HP, 480V, 3ø)

MIXER CABLE (SUPPLIED WITH MIXER)

SBR 3

CPB

PGRS

TRAY CABLE

PURGE VALVE PV-1 (2A, 120V, 1ø)

PURGE VALVE PV-2 (2A, 120V, 1ø)

PURGE VALVE PV-3 (2A, 120V, 1ø)

EXISTING 2" PVC (2 # 12 AWG + 1 # 12 AWG GND) REMOVE & REINSTALL FOR NEW WORK

EXISTING LIGHT POLE, CONCRETE BASE, & RECEPTACLES (REMOVE EXISTING FOR EXCAVATION OF NEW SBR 3 & REPLACE WITH NEW AFTER SBR 3 IS INSTALLED. SEE FIXTURE SCHEDULE ON DRAWING E13.01 FOR TYPE)

EXISTING CONDUIT & CABLES (REMOVE & REINSTALL FOR NEW WORK)

CONTINUED ON DRAWING E6.01

CONTINUED ON DRAWING E4.01

CONCRETE ENCASED DUCTBANK

DUCTBANK WITH CONCRETE CAP

NORTH TO SOUTH (EXISTING DUCTBANK WITH CONCRETE CAP, PROTECT)
EXISTING 1" PVC (CABLES)
EXISTING 2" PVC (CABLES)
EXISTING 1" PVC (CABLES)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 4" PVC (C.O. SPARE)
~~EXISTING 4" PVC (3 # 250 KCMIL, AL + 1 # 3 AWG, AL GND) SOLAR POWER~~
EXISTING 1" PVC (C.O. SPARE)
EXISTING 2" PVC (PROVIDE NEW 3 # 2/0 AWG + 1 # 4 AWG GND) EQ BASIN POWER
EXISTING 4" PVC (4 # 1 AWG + 1 # 8 AWG GND) HEADWORKS POWER
EXISTING 1½" PVC (CABLES)
EXISTING 2" PVC (CABLES)
EXISTING 1½" PVC (# 12'S)
EXISTING 1½" PVC (C.O. SPARE)
EXISTING 1½" PVC (C.O. SPARE)
EXISTING 2" PVC (2-CABLES)
EXISTING 1½" PVC (1-CABLE)
EXISTING 2" PVC (1-3/C # 1 AWG + 1 # 6 AWG GND) SHOP POWER
EXISTING 2" PVC (2-CABLES)
EXISTING 2" PVC (1-CABLE)
EXISTING 1½" PVC (1-CABLE)
EXISTING 2" PVC (2-CABLES)
EXISTING 2" PVC (3-CABLES)
EXISTING 2" PVC (1-DB6) SHOP COMM.
EXISTING 2" PVC (C.O. SPARE)
EXISTING 2" PVC (C.O. SPARE)

4 0 4 8
SCALE HORIZONTAL: 1" = 4' FEET

N

811 Call 811 two business days before you dig

CHANGE ORDER

ELECTRICAL – SBR SOUTH POWER & CONTROLS PLAN

DESIGNED BY STV | DRAWN BY KL | CHECKED BY STV

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
ELECTRICAL – SBR SOUTH POWER & CONTROLS PLAN

DATE 2-28-2025 | SCALE AS SHOWN | JOB NUMBER 2149.10

SHEET E5.01 R2 | PAGE 8 OF 20

NO.	REVISIONS	BY	DATE
1	ADDENDUM 1	STV	5/9/2025
2	UV IMPROVEMENTS & PER SBR SUBMITTAL	STV	1/5/2026

K ENGINEERS INC.
208 Third Street
Lynden, WA. 98264
Bus. (360) 354-4757
FAX (360) 354-6794

STEVEN B. TEVIS
STATE OF WASHINGTON
21903
REGISTERED
PROFESSIONAL ENGINEER
15/2026

WILSON ENGINEERING
WILSONENGINEERING.COM

DESIGNED BY STV
DRAWN BY KL
CHECKED BY STV

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
ELECTRICAL – SBR NORTH & BLOWER BLDG. POWER & CONTROLS PLAN

DATE 2-28-2025
SCALE AS SHOWN
JOB NUMBER 2149.10
SHEET E5.03 R2
PAGE 9 OF 20

SCALE HORIZONTAL SCALE FEET (4 0 4 8)

Call 811 two business days before you dig

CHANGE ORDER

ELECTRICAL – SBR & BLOWER BLDG. POWER & CONTROLS PLAN

AERATED ANOXIC BASIN

NO.	REVISIONS	BY	DATE
1	ADDENDUM 1	STV	5/9/2025
2	UV IMPROVEMENTS	STV	1/5/2026

K ENGINEERS INC.
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Lynden, WA. 98264
Bus. (360) 354-4757
FAX (360) 354-6794

STEVEN B. TEV PE
STATE OF WASHINGTON
21903
REGISTERED
PROFESSIONAL ENGINEER
1/5/2026

WILSON ENGINEERING
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EXISTING EFFLUENT DISC FILTER
EXISTING DRUM MOTOR EDM (15 HP, 480V, 3Φ)
EXISTING BACK WASH PUMP MOTOR BPM (7.5 HP, 480V, 3Φ)
EXISTING LEVEL PROBE
EXISTING PRESSURE SWITCH
EXISTING ¾" LIQUID TIGHT FLEX (CABLES)
EXISTING 1" PVC (3 # 10 AWG + 1 # 10 AWG-GND)
EXISTING 1" PVC (1 CAT6 CABLE)
EXISTING EFFLUENT DISC FILTER CONTROL PANEL DCP1
EXISTING J-BOX
EXISTING 2W SOLENOID VALVE (DISCONNECT & MAINTAIN TO RECONNECT)
EXISTING LEVEL TRANSDUCER LSL-1050 (DISCONNECT & MAINTAIN TO RECONNECT)
EXISTING 2W PUMP PANEL PNL-1051 (REMOVE & REPLACE WITH J-BOX)
EXISTING FLOWMETER (REMOVE)
EXISTING EQUIPMENT RACK (REMOVE)
EXISTING 3W FLOW METER (REMOVE)
EXISTING HAND HOLE
EXISTING 2W TEMPERATURE SWITCH (REMOVE)
EXISTING 2W PRESSURE SWITCH (REMOVE)
EXISTING PUMP P-1051 (15HP, 480V, 3Φ, TO BE REMOVED, DISCONNECT)
EXISTING AIR GAP TANK
EXISTING PUMP P-1052 (15HP, 480V, 3Φ, TO BE REMOVED, DISCONNECT)
EXISTING J-BOX (REMOVE)
EXISTING HACH SC200 METER (REMOVE)
EXISTING AE860T (REMOVE)
EXISTING LIT-5606 (REMOVE)
ULTRAVIOLET DISINFECTION
WATER UTILITIES
EXISTING ¾" PVC (REMOVE CONTROL CABLES)
EXISTING TRANSFORMER XPE
EXISTING 1" PVC (REMOVE PUMP POWER CABLES)
EXISTING 1¼" PVC (REMOVE UNUSED CABLES)
EXISTING PANEL LE
EXISTING 3W PUMP 1 (P-5610) (5 HP, 480V, 3Φ, DISCONNECT)
EXISTING 3W PUMP 2 (P-5620) (5 HP, 480V, 3Φ, DISCONNECT)
EXISTING 1¼" PVC (SPARE)
EXISTING 1¼" PVC (REMOVE CAT6 CABLE)
EXISTING UV MODULES 1 & 2 (REMOVE)
EXISTING UV SENSOR (REMOVE)
EXISTING UV MODULES 3 & 4 (REMOVE)
EXISTING MCCC
EXISTING 1" PVC (REMOVE UNUSED CABLES)
EXISTING 2" PVC (REMOVE 3 # 1 AWG + 1 # 8 AWG GND) "MCCC POWER"
EXISTING 1" PVC (REMOVE 3 # 12 AWG + 1 # 12 AWG GND)
EXISTING WIREWAY (REMOVE)
EXISTING LIGHT POLE (REMOVE)
EXISTING 3W PUMP 5610 & 5620 DISCONNECT SWITCHES (REMOVE)
CONTINUED ON DRAWING E1000
EXISTING J-BOX (REMOVE)
EXISTING 3W PUMP PANEL PNL-5000 (REMOVE)
EXISTING UV DISINFECTION SYSTEM CONTROL PANEL PNL-5011 (29A, 460V, 3Φ, REMOVE)
EXISTING 2" PVC (REMOVE CABLES)
EXISTING 2"PVC (REMOVE 3 # 10 AWG + 1 # 10 AWG GND) BID ALTERNATE # 2
EXISTING 2" PVC (REMOVE 2 TYPE TC CABLES 1-3/C # 8 AWG UV POWER & 2 # 12 AWG + 1 # 12 AWG GND)
EXISTING 1¼" PVC (REMOVE 3 # 10 AWG + 1 # 10 AWG GND)

NORTH TO SOUTH
EXISTING 2" PVC (C.O. SPARE)
EXISTING 2" PVC (REMOVE 3 # 1 AWG + 1 # 8 AWG GND) MCCC POWER
EXISTING 2" PVC (C.O. SPARE)
EXISTING 1½" PVC (2-CABLES, REMOVE 1-3/C # 8 AWG UV POWER)
EXISTING ¾" PVC (1-CABLE)
EXISTING ¾" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 2" PVC (C.O. SPARE)
EXISTING 2" (3-CABLES)
EXISTING ¾" PVC (3-CABLES)
EXISTING 1½" PVC (C.O. SPARE)
EXISTING 2" PVC (C.O. SPARE)

EXISTING COMM. MANHOLE MH04C
EXISTING POWER MANHOLE MH04E
REMOVE ALL UNUSED CABLES BACK TO ORIGIN

ELECTRICAL – UV DISINFECTION DEMOLITION PLAN

SCALE 4 0 4 8 FEET

N

811 Call 811 two business days before you dig

CHANGE ORDER

DESIGNED BY STV
DRAWN BY KL
CHECKED BY STV

TOWN OF FRIDAY HARBOR, WASHINGTON
FRIDAY HARBOR
WASTEWATER TREATMENT PLANT IMPROVEMENTS
ELECTRICAL – UV DISINFECTION DEMOLITION PLAN

DATE 2-28-2025
SCALE AS SHOWN
JOB NUMBER 2149.10
SHEET E8.00 R2
PAGE 10 OF 20

NO.	REVISIONS	BY	DATE
1	ADDENDUM 1	STV	5/9/2025
2	UV IMPROVEMENTS	STV	1/5/2026
3	3W PUMP CHANGES	STV	4/6/2026
4	UV IMPROVEMENTS	STV	4/20/2026
5	UV IMPROVEMENTS	STV	4/27/2026

K ENGINEERS INC.
208 Third Street
Lynden, WA. 98264
Bus. (360) 354-4757
FAX (360) 354-6794

STEVEN B. TEVEBAUGH — STATE OF WASHINGTON — 41903 — REGISTERED PROFESSIONAL ENGINEER — 4/27/2026

WILSON ENGINEERING
WILSONENGINEERING.COM

EXISTING EFFLUENT DISC. FILTER
EXISTING DRUM MOTOR EDM (1.5 HP, 480V, 3Ø)
EXISTING BACK WASH PUMP MOTOR BPM (1.5 HP, 480V, 3Ø)
EXISTING LEVEL PROBE
EXISTING PRESSURE SWITCH
EXISTING ¾" LIQUID TIGHT FLEX (CABLES)
EXISTING 1¼" PVC (C.O, SPARE)
EXISTING 2W SOLENOID VALVE
EXISTING LEVEL SENSOR SWITCH LSL-1050 (RECONNECT TO CONTROL TANK AIR GAP)
AIR GAP TANK H-O-A STATION (REPLACES H-O-A STATION FROM FRONT OF PANEL PNL-1051, RE-CONNECT TO MAINTAIN OPERATION)
JUNCTION BOX (10" x 10" x 6" MIN. REPLACES CONTROL PANEL PNL-1051, RECONNECT REMAINING CABLES)
2W PUMP SKID
EXISTING 1¼" PVC (DB6, 3W COMM.)
¾" PVC (3 # 12 AWG + 1 # 10 AWG GND)
EXISTING 3W FLOW METER
EXISTING EFFLUENT DISC. FILTER CONTROL PANEL PCP
EXISTING EQUIPMENT RACK
EXISTING PVC (C.O, SPARE)
CONTROL PANEL LCP-5Ø1
EXISTING HACH SC1000 METER (REMOVE)
EXISTING HACH SC1000 METER (REMOVE)
¾ PGRS (2 # 12 AWG + 1 # 12 AWG GND)
EXISTING ¾" PGRS (REMOVE 3# 1Ø AWG + 1 # 1Ø AWG GND & PROVIDE NEW 3 # 1Ø AWG + 1 # 1Ø AWG GND)
EXISTING AE56Ø1
EXISTING LIT-56Ø6
3W PUMP 1 HEATER (500W, 120V, 1Ø)
3W PUMP 2 HEATER (500W, 120V, 1Ø)
INTERCEPT EXITING & EXTEND WITH NEW
¾" LIQUID TIGHT FLEX (2 # 12 AWG + 1 # 12 AWG GND)
3W PUMP 1 (P-5610) (5 HP, 480V, 3Ø, REPLACES EXISTING, RECONNECT)
3W PUMP 2 (P-5620) (5 HP, 480V, 3Ø, REPLACES EXISTING, RECONNECT)
EXISTING EFFLUENT SAMPLER (4A, 115V, 1Ø, REINSTALL)
EXISTING SAMPLER (REINSTALL)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1¼" PVC (PROVIDE NEW DB6) 3W COMM.
HYDRAULIC SYSTEMS CENTER HSC (3A, 480V, 3Ø)
SYSTEM CONTROL CENTER SCC (12A, 120V, 1Ø)
DISCONNECT SWITCH 30A, 480V, 3Ø, NEMA 4X, STAINLESS
POWER DISTRIBUTION CENTER PDC-1A (72A, 480V, 3Ø)
POWER DISTRIBUTION CENTER PDC-1B (72A, 480V, 3Ø)
DISCONNECT SWITCH 30A, 480V, 3Ø, NEMA 4X, STAINLESS
ON-LINE UV TRANSMITTANCE SENSOR
LOW LEVEL SENSOR
LIQUID TIGHT FLEX (SENSOR CABLE)
EXISTING FINAL EFFLUENT FLOW METER FIT-5601
EXISTING PVC (CABLE)
EXISTING ¾" PGRS (REMOVE EXISTING CABLES & PROVIDE NEW CABLES & RECONNECT)
LEVEL CONTROL PANEL LCP
¾ PGRS (2 # 12 AWG + 1 # 12 AWG GND)
ON-LINE UV TRANSMITTANCE CONTROLLER (1A, 120V, 1Ø)
EXISTING 3W PUMP PANEL PNL-5600
EXISTING 3W PUMP 5610 & 5620 DISCONNECT SWITCHES
EXISTING 1" PVC (MAINTAIN IN-USE CABLES & RECONNECT)
EXISTING 1" PVC (C.O, SPARE)
EXISTING FILAMENT GROWTH SYSTEM (SODIUM HYPO PUMP P203)
EXISTING 2W PUMP SKID CONTROL PANEL (3 # 5 HP, 20.6A, 480V, 3Ø)
EXISTING AIR GAP TANK
EXISTING TRANSFORMER XPE
WATER UTILITIES BUILDING
EXISTING PANEL LPE
EXISTING MCCC
PANEL HPE
EXISTING 1" PVC (MAINTAIN IN-USE CABLES)
EXISTING 2" PVC (3 # 4/0 AWG + 1 # 4 AWG GND) HPE POWER
CONTINUED ON DRAWING E1Ø0
NORTH TO SOUTH
EXISTING 2" PVC (C.O, SPARE)
EXISTING 2" PVC (PROVIDE NEW 3 # 4/0 AWG + 1 # 4 AWG GND) HPE POWER
EXISTING 2" PVC (C.O, SPARE)
EXISTING 1½" PVC (2-CABLES)
EXISTING ¾" PVC (1-CABLE)
EXISTING ¾" PVC (C.O, SPARE)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 2" PVC (C.O, SPARE)
EXISTING 2" (3-CABLES)
EXISTING ¾" P VC (3-CABLES)
EXISTING 1½" PVC (C.O, SPARE)
EXISTING 2" PVC (PROVIDE NEW DB6) 3W COMM.
EXISTING COMM. MANHOLE MH04C
EXISTING POWER MANHOLE MH04E
EXISTING 2" PVC (C.O, SPARE)
NORTH TO SOUTH
EXISTING 2" PVC (POWER CABLES)
EXISTING 1½" PVC (POWER CABLES)
EXISTING 1" PVC (CAMERA CABLE)
EXISTING 1" PVC (COMM. CABLES)
EXISTING 1" PVC (EFFLUENT FLOW METER FIT-5601 CABLES)
CONTINUED ON DRAWING E1Ø1
NORTH TO SOUTH
¾" PGRS (4 # 12 AWG + 1 # 12 AWG GND, LCP 24VDC POWER SUPPLY & 4 # 14 AWG 24VDC LEVEL SIGNAL)
¾" PGRS (1-2/C # 18 SHLD FLOW METER 4-20mA)
¾" PVC (GROUND LINK 1 # 14 AWGG GND, TYPE TWH STRANDED & MODBUS BELDEN 3106A, # 22 AWG, 1 TWISTED PAIR + 1/C SHLD WITH 120 OHM MIN. IMPEDANCE)
NORTH TO SOUTH
¾" PGRS (GROUND LINK 1 # 14 AWG GND, TYPE TWH STRANDED & MODBUS BELDEN 3106A, # 22 AWG, 1 TWISTED PAIR + 1/C SHLD WITH 120 OHM MIN. IMPEDANCE)
¾" PVC (6 # 12 AWG + 1 # 12 AWG GND)
¾" PVC (2 # 12 AWG + 1 # 12 AWG GND)
¾" PVC (3 # 1Ø AWG + 1 # 1Ø AWG GND)
¾" PVC (3 # 1Ø AWG + 1 # 1Ø AWG GND)
¾" PVC (1-CW)
WEST TO EAST
EXISTING 2" PVC (POWER CABLES)
EXISTING 1½" PVC (POWER CABLES)
EXISTING 1" PVC (COMM. CABLES)
TO EXISTING PUMP STATION # 2.
EXISTING TO REMAIN
EXISTING 1½" PVC (2 # 14 AWG) PUMP STAT. 2 COMM.

ELECTRICAL – 2W & 3W SYSTEM POWER & CONTROLS PLAN

SCALE 4 0 4 8 FEET — HORIZONTAL SCALE

N

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CHANGE ORDER

DESIGNED BY	DRAWN BY	CHECKED BY
STV	KL	STV

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
ELECTRICAL – 2W & 3W SYSTEM POWER & CONTROLS PLAN

DATE	SCALE	JOB NUMBER
2-28-2025	AS SHOWN	2149.10

SHEET E8.01 R5
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NO.	REVISIONS	BY	DATE
1	UV IMPROVEMENTS	STV	1/5/2026

K ENGINEERS INC.
208 Third Street
Lynden, WA. 98264
Bus. (360) 354-4757
FAX (360) 354-6794

STEVEN B. TEVEBAUGH
STATE OF WASHINGTON
21903
REGISTERED
PROFESSIONAL ENGINEER
5/7/2026

WILSON ENGINEERING
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CONTINUED ON DRAWING E11Ø0

CONTINUED ON DRAWING E11Ø0

CONTINUED ON DRAWING EB.Ø0

NORTH TO SOUTH
EXISTING 2" PVC (C.O. SPARE)
EXISTING 2" PVC (REMOVE 3 * 1 AWG + 1 * 8 AWG GND) MCCC POWER
EXISTING 2" PVC (C.O. SPARE)
EXISTING 1½" PVC (2-CABLES, REMOVE 1-3/C * 8 AWG UV POWER)
EXISTING ¾" PVC (1-CABLE)
EXISTING ¾" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 2" PVC (C.O. SPARE)

REMOVE ALL UNUSED CABLES BACK TO ORIGIN.

EXISTING 2" (3-CABLES)
EXISTING ¾" P VC (3-CABLES)
EXISTING 1½" PVC (C.O. SPARE)
EXISTING 2" PVC (C.O. SPARE)

EXISTING 1½" PVC (INFLUENT CONTROL CABLES)
EXISTING 1" PVC (INFLUENT LSHH-111Ø CABLES)
EXISTING 1" PVC (INFLUENT AE-1Ø0 CABLES)
EXISTING 1½" PVC (INFLUENT PUMP P-111Ø CABLES)
EXISTING 1½" PVC (INFLUENT PUMP P-112Ø CABLES)
EXISTING 1½" PVC (INFLUENT PUMP P-113Ø CABLES)

EXISTING 1" PVC (LT-111Ø CABLES)
EXISTING 2" PVC (C.O. SPARE)

INFLUENT PUMP STATION

EXISTING INFLUENT CONTROL PANEL
EXISTING DISCONNECT SWITCH P-111Ø (60A, 480V, 3Ø)
EXISTING DISCONNECT SWITCH P-112Ø (60A, 480V, 3Ø)
EXISTING DISCONNECT SWITCH P-113Ø (60A, 480V, 3Ø)
EXISTING LEVEL LT-111Ø
EXISTING LEVEL LSHH-111Ø
EXISTING AE-1Ø0

EXISTING INFLUENT PUMP P-111Ø (15 HP, 460V, 3Ø)
EXISTING INFLUENT PUMP P-112Ø (15 HP, 460V, 3Ø)
EXISTING INFLUENT PUMP P-113Ø (15 HP, 460V, 3Ø)

EXISTING 2" PVC (2 * 12 AWG + 1 * 12 AWG GND)

EXISTING PRESSURE SENSOR PSH-61Ø1 (DISCONNECT)

EXISTING 2" PVC (4 * 12 AWG + 1 * 12 AWG GND)

EXISTING 1" PVC (REMOVE CABLE)

EXISTING ELECTRIC HEATERS (5000W, 120V, 1Ø)
EXISTING WALL EXHAUST FAN
LPC-13

CONTINUED ON DRAWING E11Ø0

TO HEAT TRACE LPC-9, 11

EXISTING FLOW METER FM 61Ø1 (REMOVE)

EXISTING 1" PVC (REMOVE CABLES)

CONTINUED ON DRAWING E11Ø0

EXISTING 1" PVC (REMOVE CABLES)

EXISTING SLUDGE PUMP P-61Ø1 DISCONNECT SWITCH (30A, 460V, 3Ø, DISCONNECT)
DIGESTER MIXER TIME DELAY (REMOVE)
EXISTING BUMP PUMP 1 & 2 CONTROL PANEL
EXISTING MIXER TIME DELAY 24V TRANS. (REMOVE)
EXISTING SLUDGE PUMP CONTROL STATION CS-61Ø1 (DISCONNECT)
EXISTING LEVEL METER (REMOVE)

EXISTING 1" PVC (3 * 12 AWG + 1 * 12 AWG GND)

EXISTING 1" PVC (2 * 10 AWG + 1 * 10 AWG GND)

AEROBIC DIGESTER

EXISTING FLOATING MIXER MOTOR MIX-6111 (20 HP, 480V, 3Ø, DISCONNECT)

REMOVE EXISTING 50 CABLE

EXISTING CABLE REEL (REMOVE)
EXISTING DISCONNECT SWITCH (60A, 480V, 3Ø, REMOVE)
EXISTING MIXER START-STOP STATION CS-6111 (REMOVE)

CONTINUED ON DRAWING E5Ø2

CONTINUED ON DRAWING E5Ø2

WEST TO EAST
EXISTING 1" PVC (REMOVE 3 * 6 AWG + 1 * 10 AWG GND) SLUDGE PUMP POWER
EXISTING 1" PVC (3 * 10 AWG + 1 * 10 AWG GND)
EXISTING 1" PVC (REMOVE CABLES) SLUDGE PUMP CONTROLS
EXISTING ¾" PVC (REMOVE CABLES)
EXISTING 1" PVC (REMOVE CABLES)
EXISTING 1" PVC (REMOVE 3 * 8 AWG + 1 * 10 AWG GND)
EXISTING ¾" PVC (REMOVE CABLES)

ELECTRICAL – DIGESTER & INFLUENT PUMP STATION DEMOLITION PLAN

20 0 20 40
SCALE HORIZONTAL SCALE FEET

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CHANGE ORDER

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON

WASTEWATER TREATMENT PLANT IMPROVEMENTS
ELECTRICAL – DIGESTER & INFLUENT PUMP STATION DEMOLITION PLAN

DESIGNED BY	DRAWN BY	CHECKED BY
STV	KL	STV

DATE	SCALE	JOB NUMBER
2-28-2025	AS SHOWN	2149.10

SHEET E10.00 R1
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NO.	REVISIONS	BY	DATE
1	ADDENDUM 1	STV	5/9/2025
2	UV IMPROVEMENTS	STV	1/5/2026

K ENGINEERS INC.
208 Third Street
Lynden, WA. 98264
Bus. (360) 354-4757
FAX (360) 354-6794

STEVEN B. T'SEVAS
STATE OF WASHINGTON
21903
REGISTERED PROFESSIONAL ENGINEER
1/5/2026

WILSON ENGINEERING
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CONTINUED ON DRAWING E1Ø1

CONTINUED ON DRAWING E1Ø1

CONTINUED ON DRAWING E8Ø1

NORTH TO SOUTH
EXISTING 2" PVC (C.O. SPARE)
1 EXISTING 2" PVC (PROVIDE NEW 3 * 4/0 AWG + 1 * 4 AWG GND ARE POWER)
1 EXISTING 2" PVC (C.O. SPARE)
EXISTING 1½" PVC (2-CABLES)
EXISTING ¾" PVC (1-CABLE)
EXISTING ¾" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 2" PVC (C.O. SPARE)

EXISTING 2" (3-CABLES)
EXISTING ¾" PVC (3-CABLES)
EXISTING 1½" PVC (C.O. SPARE)
EXISTING 2" PVC (PROVIDE NEW DB6) 3W COMM.

EXISTING 1½" PVC (INFLUENT CONTROL CABLES)
EXISTING 1" PVC (INFLUENT LSHH-111Ø CABLES)
EXISTING 1" PVC (INFLUENT AE-1100 CABLES)
EXISTING 1½" PVC (INFLUENT PUMP P-111Ø CABLES)
EXISTING 1½" PVC (INFLUENT PUMP P-112Ø CABLES)
EXISTING 1½" PVC (INFLUENT PUMP P-113Ø CABLES)

EXISTING 1" PVC (LT-111Ø CABLES)
EXISTING 2" PVC (C.O. SPARE)

EXISTING INFLUENT CONTROL PANEL
EXISTING DISCONNECT SWITCH P-111Ø (60A, 480V, 3Ø)
EXISTING DISCONNECT SWITCH P-112Ø (60A, 480V, 3Ø)
EXISTING DISCONNECT SWITCH P-113Ø (60A, 480V, 3Ø)
EXISTING LEVEL LT-111Ø
EXISTING LEVEL LSHH-111Ø
EXISTING AE-1000
EXISTING INFLUENT PUMP P-111Ø (15 HP, 460V, 3Ø)
EXISTING INFLUENT PUMP P-112Ø (15 HP, 460V, 3Ø)
EXISTING INFLUENT PUMP P-113Ø (15 HP, 460V, 3Ø)
EXISTING 2" PVC (2 * 12 AWG + 1 * 12 AWG GND)
EXISTING ¾" PGRS (3 * 8 AWG + 1 * 10 AWG GND)
EXISTING PRESSURE SWITCH PSH-610 (RECONNECT)
EXISTING 2" PVC (4 * 12 AWG + 1 * 12 AWG GND)
DISCONNECT SWITCH (60A, 480V, 3Ø, NEMA 4X, STAINLESS)
EXISTING 1" PVC (C.O. SPARE))
ROUTE THROUGH WALL
CONTINUED ON DRAWING E11Ø0
TO HEAT TRACE
TO LIGHTING
EXISTING SLUDGE PUMP P-6Ø1 (15 HP, 460V, 3Ø)
1" PGRS (3 * 6 AWG + 1 * 10 AWG GND)
PROVIDE SLACK CABLE TO ALLOW ARM TO PIVOT.
* 6 AWG CABLE FURNISHED WITH MIXER. CONTRACTOR TO INSTALL & FASTEN EVERY 4 FEET.
FLOW METER FM-6Ø1 (REPLACES EXISTING)
1" PGRS (REINSTALL 2-FLOW METER CABLES, SUPPLIED WITH FLOW METER)
EXISTING 1" PVC (C.O. SPARE)
CONTINUED ON DRAWING E11Ø0
EXISTING SLUDGE PUMP P-6Ø1 DISCONNECT SWITCH (30A, 460V, 3Ø RECONNECT)
EXISTING SUMP PUMP 1 & 2 CONTROL PANEL 61Ø8
EXISTING SUMP PUMPS 61Ø8 & 61Ø3
EXISTING SLUDGE PUMP CONTROL STATION CS-61Ø1 (RECONNECT)
EXISTING 1" PVC (3 * 12 AWG + 1 * 12 AWG GND)
¾" PGRS (1-PROBE CONTROLLER POWER/NETWORK CABLE, SUPPLIED WITH CONTROLLER)
EXISTING 1" PVC (2 * 10 AWG + 1 * 10 AWG GND)
PROBE CONTROLLER (SUPPLIED WITH PROBES)
CONCRETE PAD (4" THICK, * 4 REBAR 16"o.c. EACH WAY)
PH & D.O. PROBE ASSEMBLY
TRANSDUCER CABLE (SUPPLIED WITH TRANSDUCER)
1½" PVC (3 * 4 AWG + 1 * 8 AWG GND) DIGESTER POWER
LEVEL TRANSDUCER LIT-6Ø1
TO FLOATS LS-6Ø1
1½" PVC (1-DB6) DIGESTER COMM.
CONTINUED ON DRAWING E5Ø3
FLOAT CABLES (SUPPLIED WITH FLOATS)
¾" PGRS (1-TRANSDUCER CABLE, SUPPLIED WITH TRANSDUCER)
DIGESTER CONTROL PANEL LCP-6Ø1
CONTINUED ON DRAWING E5Ø3
WEST TO EAST
EXISTING 1" PVC (C.O. SPARE)
EXISTING 1" PVC (3 * 10 AWG + 1 * 10 AWG GND)
EXISTING 1" PVC (C.O. SPARE)
EXISTING ¾" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING ¾" PVC (C.O. SPARE)

EXISTING COMM. MANHOLE MHØ4C
EXISTING POWER MANHOLE MHØ4E
FLOATING MIXER (10 HP, 460V, 3Ø)

SCALE 4 0 4 8 FEET
HORIZONTAL SCALE

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CHANGE ORDER

ELECTRICAL – DIGESTER & INFLUENT PUMP STATION POWER & CONTROLS PLAN

DESIGNED BY STV
DRAWN BY KL
CHECKED BY STV

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON

WASTEWATER TREATMENT PLANT IMPROVEMENTS
ELECTRICAL – DIGESTER & INFLUENT PUMP STATION
POWER & CONTROLS PLAN

DATE 2-28-2025
SCALE AS SHOWN
JOB NUMBER 2149.10
SHEET E10.01 R2
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NO.	REVISIONS	BY	DATE
1	UV IMPROVEMENTS	STV	1/5/2026

K ENGINEERS INC.
208 Third Street
Lyniden, WA. 98264
Bus. (360) 354-4757
FAX (360) 354-6794

STEVEN B. TEVIS — STATE OF WASHINGTON — 21903 — REGISTERED PROFESSIONAL ENGINEER — 15/2026

WILSON ENGINEERING
WILSONENGINEERING.COM

EXISTING POWER MAN HOLE MH#1E

NORTH TO SOUTH
EXISTING 4" PVC (C.O, 9PAIRE)
EXISTING 1" PVC (C.O, 9PAIRE)
EXISTING 2" PVC (C.O, 9PAIRE)
EXISTING 2" PVC (C.O, 9PAIRE)
EXISTING 2½" PVC (3 * 350 KCMIL + 1 * 3 AWG GND) BIOSOLIDS BLDG. POWER
EXISTING 2" PVC (REMOVE 3 * 6 AWG + 1 * 10 AWG GND) SLUDGE PUMP POWER

EXISTING 2" PVC (4 CABLES)
EXISTING 2" PVC (6 CABLES)
EXISTING 1" PVC (C.O, 9PARE)

CONTINUED ON DRAWING E9Ø0

EXISTING COMM HAND HOLE MH#1C

CONTINUED ON DRAWING E10Ø0

CONTINUED ON DRAWING E10Ø0

NORTH TO SOUTH
EXISTING 2" PVC (C.O, 9PARE)
EXISTING 2" PVC (REMOVE 3 * 1 AWG + 1 * 8 AWG GND) MCCC POWER ⚠
EXISTING 2" PVC (C.O, 9PARE)
EXISTING 1½" PVC (2-CABLES, REMOVE 1-3/C * 8 AWG UV POWER) ⚠
EXISTING ¾" PVC (1-CABLE)
EXISTING ¾" PVC (C.O, 9PARE)
EXISTING 1" PVC (C.O, 9PARE)
EXISTING 1" PVC (C.O, 9PARE)
EXISTING 1" PVC (C.O, 9PARE)
EXISTING 1" PVC (C.O, 9PARE)
EXISTING 1" PVC (C.O, 9PARE)
EXISTING 2" PVC (C.O, 9PARE)

EXISTING 2" (3-CABLES)
EXISTING ¾" PVC (3-CABLES)
EXISTING 1½" PVC (C.O, 9PARE)
EXISTING 2" PVC (C.O, 9PARE)

EXISTING 1½" PVC (INFLUENT CONTROL CABLES)
EXISTING 1" PVC (INFLUENT LSHH-1101 CABLES)
EXISTING 1" PVC (INFLUENT AE-1101 CABLES)
EXISTING 1½" PVC (INFLUENT PUMP P-1110 CABLES)
EXISTING 1½" PVC (INFLUENT PUMP P-1120 CABLES)
EXISTING 1½" PVC (INFLUENT PUMP P-1130 CABLES)

EXISTING 1" PVC (LT-1110 CABLES)
EXISTING 2" PVC (C.O, 9PARE)

REMOVE ALL UNUSED CABLES BACK TO ORIGIN.

EXISTING ¾" PVC (REMOVE 3 * 10 AWG + 1 * 10 AWG GND BACK TO MCCA-10L)

EXISTING ¾" PVC (C.O, 9PARE)

EXISTING BLOWER MOTOR 20Ø (2 HP, 460V, 3Ø, DISCONNECT)

HEADWORKS BIOFILTER

EXISTING ¾" GRS (REMOVE POWER CABLES)

REMOVE TO THIS POINT

REMOVE EXISTING ¾" PVC (C.O, 9PARE)

REMOVE EXISTING ¾" PVC (3 * 10 AWG + 1 * 10 AWG GND)

REMOVE EXISTING ¾" PVC (C.O, 9PARE)

EXISTING HEADWORKS BIOFILTER CONTROL PANEL PNL 20Ø (REMOVE & ALL ASSOCIATED)

WEST TO EAST
EXISTING 1" PVC (REMOVE 3 * 6 AWG + 1 * 10 AWG GND) SLUDGE PUMP POWER
EXISTING 1" PVC (1-CABLE)
EXISTING 1½" PVC (3-CABLES + 1 SMALLER)
EXISTING 1½" PVC (3-CABLES & 3 * 6 AWG + 1 * 10 AWG GND)
EXISTING 1¼" PVC (C.O, 9PARE)
EXISTING 1" PVC (C.O, 9PARE)
EXISTING 1" PVC (C.O, 9PARE)
EXISTING 2½" PVC (3 * 350 KCMIL + 1 * 3 AWG GND)
EXISTING 1½" PVC (1-CABLE)
EXISTING 2" PVC (C.O, 9PARE)
EXISTING 1" PVC (2-CABLES + 1 * 12 AWG GND)
EXISTING 2" PVC (C.O, 9PARE)
EXISTING 1" PVC (C.O, 9PARE)
EXISTING 1½" PVC (1-CABLE)
EXISTING 1" PVC (C.O, 9PARE)
EXISTING 1" PVC (1-CABLE)
EXISTING 1½" PVC (1-CABLE)
EXISTING 1" PVC (2-CABLES)
EXISTING 1½" PVC (2-CABLES)
EXISTING 2" PVC (4 * 2/0 AWG GND)
EXISTING 2" PVC (REMOVE 3 * 1 AWG + 1 * 8 AWG GND) MCCC POWER ⚠
EXISTING 2" PVC (3-CABLES, REMOVE 1-3/C * 8 AWG UV POWER)
EXISTING 2½" PVC (C.O, 9PARE)
EXISTING 1" PVC (1-CABLE)
EXISTING 1" PVC (1-CABLE)

EXISTING 2" PVC (3-CABLES)
EXISTING 2" PVC (C.O, 9PARE)
EXISTING 2" PVC (C.O, 9PARE)
EXISTING 2" PVC (4-CABLES)
EXISTING 2" PVC (2-CABLES)
EXISTING 2" PVC (3-CABLES)
EXISTING 1" PVC (1-CABLE)
EXISTING ¾" PVC (C.O, 9PARE)

REMOVE ALL UNUSED CABLES BACK TO ORIGIN.

EXISTING 1" PVC (REMOVE CABLE)

EXISTING 2" PVC (4 * 12 AWG + 1 * 12 AWG GND)

CONTINUED ON DRAWING E10Ø0

EXISTING 1" PVC (REMOVE CABLES)

CONTINUED ON DRAWING E10Ø0

EXISTING 1" PVC (REMOVE CABLES)

CONTINUED ON DRAWING E5Ø1

20 0 20 40
SCALE — HORIZONTAL SCALE — FEET

N

811 Call 811 Two business days before you dig

CHANGE ORDER

ELECTRICAL – BIOFILTER DEMOLITION PLAN

DESIGNED BY STV | DRAWN BY KL | CHECKED BY STV

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR
WASHINGTON

WASTEWATER TREATMENT PLANT IMPROVEMENTS
ELECTRICAL – BIOFILTER DEMOLITION PLAN

DATE 2-28-2025 | SCALE AS SHOWN | JOB NUMBER 2149.10

SHEET E11.00 R1 | PAGE 14 OF 20

NO.	REVISIONS	BY	DATE
1	ADDENDUM 1	STV	5/9/2025
2	UV IMPROVEMENTS & PER GENERATOR SUBMITTALS	STV	1/5/2026

K ENGINEERS INC.
208 Third Street
Lynden, WA. 98264
Bus. (360) 354-4757
FAX (360) 354-6794

STEVEN B. TEVIS — STATE OF WASHINGTON — 21903 — REGISTERED PROFESSIONAL ENGINEER — 5/5/2026

WILSON ENGINEERING
WILSONENGINEERING.COM

EXISTING POWER MAN HOLE MH@1E

NORTH TO SOUTH
EXISTING 4" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 2" PVC (C.O. SPARE)
EXISTING 2" PVC (C.O. SPARE)
EXISTING 2½" PVC (3 * 350 KCMIL + 1 * 3 AWG GND) BIOSOLIDS BLDG. POWER
EXISTING 2" PVC (C.O. SPARE)

EXISTING 2" PVC (4 CABLES)
EXISTING 2" PVC (6 CABLES)
EXISTING 1" PVC (C.O. SPARE)

CONTINUED ON DRAWING E9.01

EXISTING COMM HAND HOLE MH@2C

CONTINUED ON DRAWING E1@1

CONTINUED ON DRAWING E1@1

NORTH TO SOUTH
EXISTING 2" PVC (C.O. SPARE)
EXISTING 2" PVC (PROVIDE NEW 3 * 4/0 AWG + 1 * 4 AWG GND) HPE POWER
EXISTING 2" PVC (C.O. SPARE)
EXISTING 1½" PVC (2-CABLES)
EXISTING ¾" PVC (1-CABLE)
EXISTING ¾" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 2" PVC (C.O. SPARE)

EXISTING 2" (3-CABLES)
EXISTING ¾" PVC (3-CABLES)
EXISTING 1½" PVC (C.O. SPARE)
EXISTING 2" PVC (PROVIDE NEW DB6) 3W COMM.

EXISTING 1½" PVC (INFLUENT CONTROL CABLES)
EXISTING 1" PVC (INFLUENT L-HH-1110 CABLES)
EXISTING 1" PVC (INFLUENT AE-1100 CABLES)
EXISTING 1½" PVC (INFLUENT PUMP P-1110 CABLES)
EXISTING 1½" PVC (INFLUENT PUMP P-1120 CABLES)
EXISTING 1½" PVC (INFLUENT PUMP P-1130 CABLES)

EXISTING 1" PVC (LT-1110 CABLES)
EXISTING 2" PVC (C.O. SPARE)

NORTH TO SOUTH
4" PVC (3 * 500 KCMIL + 1 * 1/0 AWG GND) GEN. FWR
4" PVC (3 * 500 KCMIL + 1 * 1/0 AWG GND) GEN. FWR
2" PVC (24 * 14 AWG + 1 * 14 AWG GND) GEN. CONTROLS
1" PVC (4 * 12 AWG + 1 * 12 AWG GND) GEN.-ATS CONTROLS
1" PVC (2 * 1/0 AWG & 2 * 8 AWG + 1 * 8 AWG GND) GEN. BATT & BLK HEAT

STUB UP & CAP FOR FUTURE EV CHARGER

1½" PVC (C.O. SPARE)

COORDINATE EXACT STUB-UP LOCATION WITH GENERATOR SUPPLIER.

ENGINE GENERATOR SET

CONCRETE PAD (PER MANUFACTURER'S RECOMMENDATIONS, EXCEPT MINIMUM 1'0" THICK WITH # 3 REBAR 8'o.c. EACH WAY & 6" GRAVEL CSTC PER WSDOT 9-03.9 (3) BEDDING BELOW)

EXISTING ¾" PVC (C.O. SPARE)

GFI 24 @ UP 22

1" PVC (4 * 12 AWG + 1 * 12 AWG GND)

STUB UP & CAP FOR FUTURE EV CHARGER

INTERCEPT EXISTING & EXTEND WITH NEW

STUB UP & CAP FOR FOR FUTURE USE

WEST TO EAST
EXISTING 1" PVC (C.O. SPARE)
EXISTING 1" PVC (1-CABLE)
EXISTING 1½" PVC (3-CABLES + 1 SMALLER)
EXISTING 1½" PVC (3-CABLES & 3 * 6 AWG + 1 * 10 AWG GND)
EXISTING 1½" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 2½" PVC (3 * 350 KCMIL + 1 * 3 AWG GND)
EXISTING 1½" PVC (1-CABLE)
EXISTING 2" PVC (C.O. SPARE)
EXISTING 1" PVC (2-CABLES + 1 * 12 AWG GND)
EXISTING 2" PVC (C.O. SPARE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 1½" PVC (1-CABLE)
EXISTING 1" PVC (C.O. SPARE)
EXISTING 1" PVC (1-CABLE)
EXISTING 1½" PVC (1-CABLE)
EXISTING 1" PVC (2-CABLES)
EXISTING 1½" PVC (2-CABLES)
EXISTING 2" PVC (1 * 2/0 AWG GND)
EXISTING 2" PVC (PROVIDE NEW 3 * 4/0 AWG + 1 * 4 AWG GND) HPE POWER
EXISTING 2" PVC (3-CABLES)
EXISTING 2½" PVC (C.O. SPARE)
EXISTING 1" PVC (1-CABLE)
EXISTING 1" PVC (1-CABLE)

EXISTING 2" PVC (3-CABLES)
EXISTING 2" PVC (PROVIDE NEW DB6) 3W COMM.
EXISTING 2" PVC (C.O. SPARE)
EXISTING 2" PVC (4-CABLES)
EXISTING 2" PVC (2-CABLES)
EXISTING 2" PVC (3-CABLES)
EXISTING 1" PVC (1-CABLE)
EXISTING ¾" PVC (C.O. SPARE)

HANDHOLE (SMALL ROUND HDPE TYPE, TYPICAL FOR 3)

STUB UP & CAP FOR FUTURE EV CHARGER

CUT & PATCH CONCRETE TO MATCH EXISTING

STUB UP & CAP FOR FOR FUTURE USE

CORE DRILL

CONTINUED ON DRAWING E5@1

CONTINUED ON DRAWING E1@@

EXISTING 1" PVC (C.O. SPARE)

EXISTING 2" PVC (4 * 12 AWG + 1 * 12 AWG GND)

CONTINUED ON DRAWING E1@@

EXISTING 1" PVC (C.O. SPARE)

CONTINUED ON DRAWING E1@@

EXISTING 1" PVC (C.O. SPARE)

CONTINUED ON DRAWING E5@3

4 0 4 8 FEET

N

811 Call 811 two business days before you dig

CHANGE ORDER

ELECTRICAL – BIOFILTER POWER & CONTROLS PLAN

DESIGNED BY STV
DRAWN BY KL
CHECKED BY STV

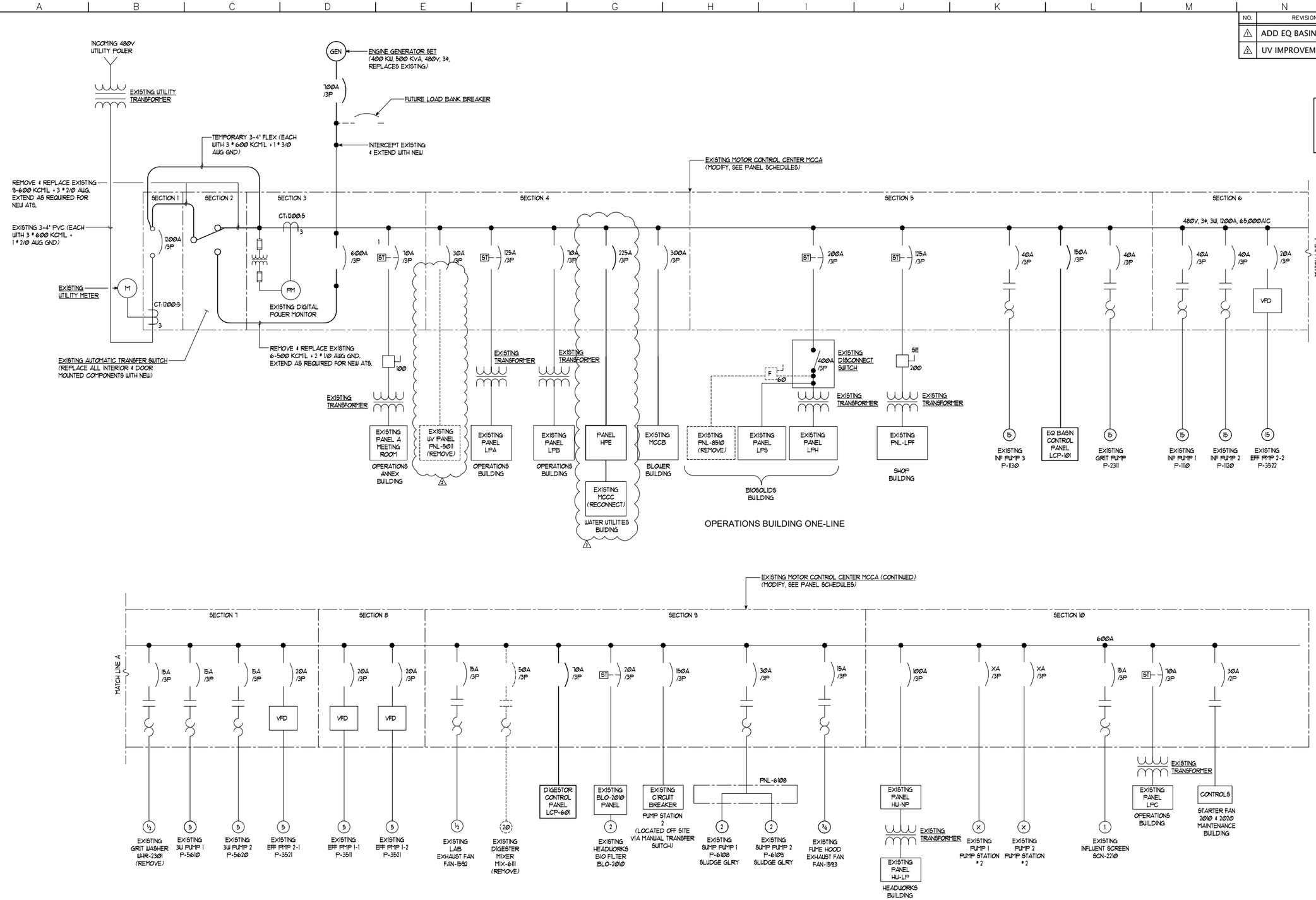
TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
ELECTRICAL – BIOFILTER POWER & CONTROLS PLAN

DATE 2-28-2025
SCALE AS SHOWN
JOB NUMBER 2149.10

SHEET E11.01 R2
PAGE 15 OF 20

NO.	REVISIONS	BY	DATE
1	ADD EQ BASIN	STV	11/7/2025
2	UV IMPROVEMENTS	STV	1/5/2026

K ENGINEERS INC.
208 Third Street
Lynden, WA. 98264
Bus. (360) 354-4757
FAX (360) 354-6794



OPERATIONS BUILDING ONE-LINE

OPERATIONS BUILDING ONE-LINE

ELECTRICAL – POWER SYSTEM ONE-LINE DIAGRAMS

CHANGE ORDER

WILSON ENGINEERING
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DESIGNED BY STV | DRAWN BY KL | CHECKED BY STV

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
ELECTRICAL – POWER SYSTEM ONE-LINE DIAGRAMS

DATE 2-28-2025 | SCALE AS SHOWN | JOB NUMBER 2149.10

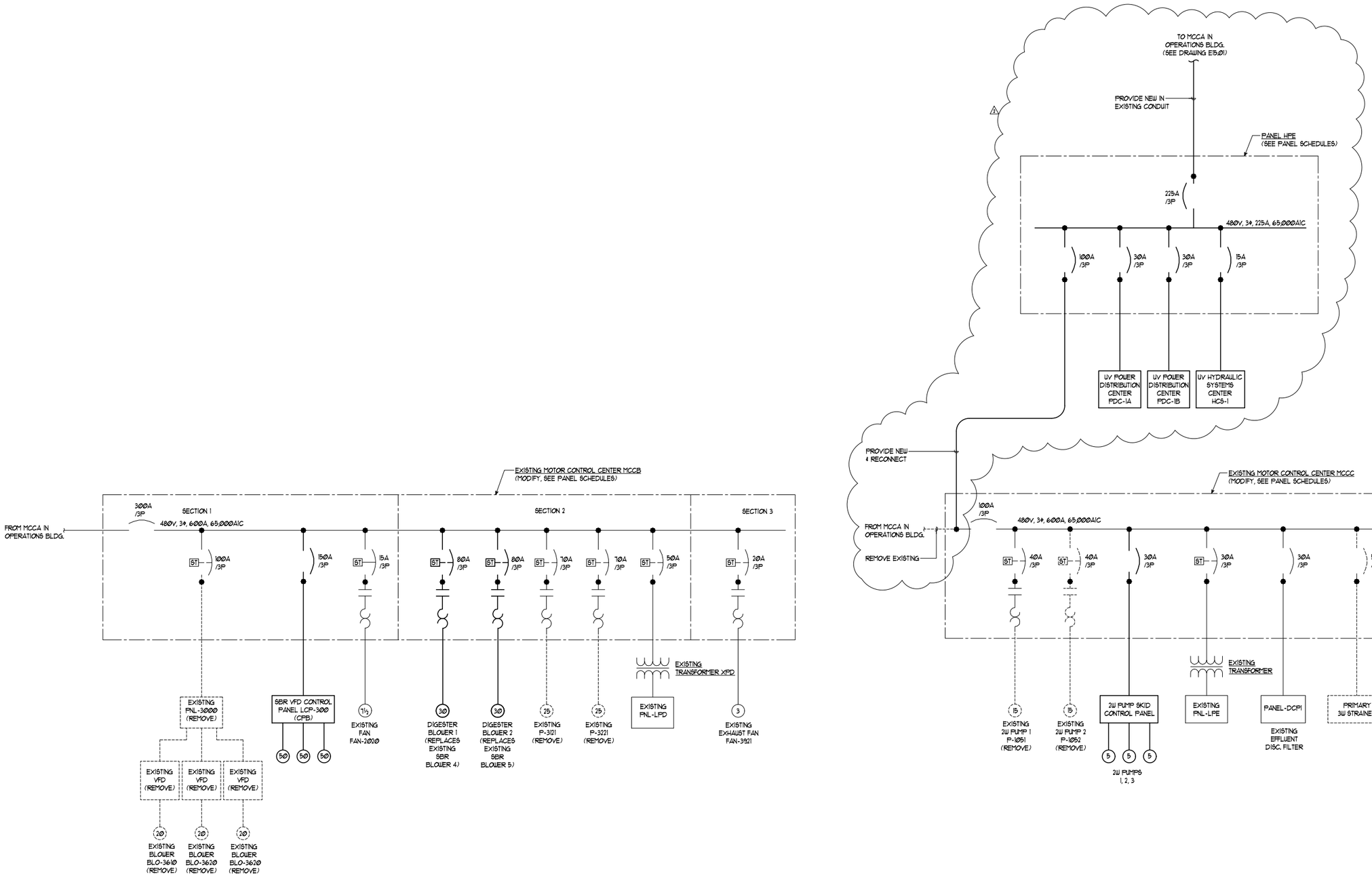
SHEET E15.01 R2 | PAGE 16 OF 20

NO.	REVISIONS	BY	DATE
1	ADDENDUM 1	STV	5/9/2025
2	UV IMPROVEMENTS	STV	1/5/2026

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208 Third Street
Lynden, WA. 98264
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FAX (360) 354-6794

STEVEN B. TEVIS — STATE OF WASHINGTON — 21903 — REGISTERED PROFESSIONAL ENGINEER — 1/5/2026

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WILSONENGINEERING.COM



BLOWER BUILDING ONE-LINE

WATER UTILITIES BUILDING ONE-LINE

ELECTRICAL – POWER SYSTEM ONE-LINE DIAGRAMS

CHANGE ORDER

DESIGNED BY STV | DRAWN BY KL | CHECKED BY STV

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON

WASTEWATER TREATMENT PLANT IMPROVEMENTS
ELECTRICAL – POWER SYSTEM ONE-LINE DIAGRAMS

DATE 2-28-2025 | SCALE AS SHOWN | JOB NUMBER 2149.10

SHEET E15.02 R2 | PAGE 17 OF 20

NO.	REVISIONS	BY	DATE
1	ADD EQ BASIN	STV	11/7/2025
2	UV IMPROVEMENTS	STV	1/5/2026

NEW ENGINE-GENERATOR SET (REPLACES EXISTING) — EXTERIOR, NORTH OF BLOWER BUILDING

VOLTAGE: 480Y/277V, 3 PH, 4 W
RATING: 400 KW, 500 KVA
TYPE: DIESEL

ENCLOSURE: OUTDOOR, SOUND ATTENUATED

HEATER: ENGINE COOLANT (120V)

FUEL TANK: SUB-BASE, DOUBLE WALL 24 HOUR FULL LOAD RUNTIME. FUEL GAUGE

CONTROLS:
RUN-STOP-REMOTE SWITCH
COOLANT TEMP. GAUGE
FIELD CIRCUIT BREAKER
DC VOLTMETER
RUNNING TIME METER
OIL PRESSURE GAUGE
FAULT RESET SWITCH
CYCLE CRANKING
ENGINE FAULT & PRE-FAULT INDICATION PER NFPA 110
MAIN CIRCUIT BREAKER: 700A

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting		1269.0	1269.0	1.25	1586.3
Gen. Purpose Outlets (First 10 KVA)		360.0	360.0	1.00	360.0
Gen. Purpose Outlets (Remainder)		0.0	0.0	0.50	0.0
Special Purpose Outlets		0.0	0.0	1.00	0.0
Mechanical Equipment		18562.9	18562.9	1.00	18562.9
Process Equipment		236492.0	236492.0	1.00	236492.0
Miscellaneous		4390.0	4390.0	1.00	4390.0
25% Largest Motor					0.0
Existing Max Load per Feb. 2020 OPALC	201777.8		201777.8	1.25	252222.2
Billing History = 181.6 KW @ 0.9 P.F. Meter # 147 651 262. See Note 1 Below.					
TOTAL LOAD	201777.8	261073.9	462851.6		513613.3
TOTAL AMPS	242.7	314.0	556.7		617.8

NOTES
(1) PEAK LOAD AS RECORDED BY OPALCO DEMAND METER FROM NOVEMBER, 2019 THROUGH DECEMBER 2021.

EXISTING AUTOMATIC TRANSFER SWITCH (REPLACE) — LOCATED INSIDE MCC A - OPERATIONS BUILDING

VOLTAGE: 480Y/277V, 3 PH, 4 W
RATING: 1200 AMPS, 3 POLE, 4 WIRE
APPLICATION: UTILITY TO GENERATOR
TYPE: ASCO, 7000 SERIES

ENCLOSURE: NEMA 1
MOUNTING: SURFACE

EXERCISER CLOCK
BATTERY CHARGER
MASTER NAMEPLATE

METERS (DOOR MOUNTED):
VOLTMETER
AMMETER
FREQUENCY METER
PHASE SELECTOR SWITCH

STATUS INDICATORS:
SOURCE 1 OK
SOURCE 2 OK
GENERATOR SET SIGNAL
TRANSFER TIMING
TRANSFER COMPLETE
RETRANSFER TIMING
TIMING FOR STOP

SEE NOTE #2 BELOW (2)

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting		1269.0	1269.0	1.25	1586.3
Gen. Purpose Outlets (First 10 KVA)		360.0	360.0	1.00	360.0
Gen. Purpose Outlets (Remainder)		0.0	0.0	0.50	0.0
Special Purpose Outlets		0.0	0.0	1.00	0.0
Mechanical Equipment		18562.9	18562.9	1.00	18562.9
Process Equipment		236492.0	236492.0	1.00	236492.0
Miscellaneous		4390.0	4390.0	1.00	4390.0
25% Largest Motor					0.0
Existing Max Load per Feb. 2020 OPALC	201777.8		201777.8	1.25	252222.2
Billing History = 181.6 KW @ 0.9 P.F. Meter # 147 651 262. See Note 1 Below.					
TOTAL LOAD	201777.8	261073.9	462851.6		513613.3
TOTAL AMPS	242.7	314.0	556.7		617.8

NOTES
(1) PEAK LOAD AS RECORDED BY OPALCO DEMAND METER FROM NOVEMBER, 2019 THROUGH DECEMBER 2021.
(2) REPLACE ALL INTERIOR AND DOOR MOUNTED COMPONENTS WITH NEW. THE EXISTING ATS IS ASCO, 7000 SERIES, SERIAL #: 214753-1 1200A BOM 735075,

EXISTING MOTOR CONTROL CENTER MCCA (MODIFY) — MCC ROOM - OPERATIONS BUILDING

VOLTAGE: 480V, 3 PH, 3 W
TYPE: NEMA STANDARD
ALLEN BRADLEY, 2100
SN K BWYX427 M
ENCLOSURE: NEMA 1
MOUNTING: SURFACE/FLOOR
REAR ACCESS NONE

STRUCTURE:
DEPTH: 20" WIDTH: 20"
SEPARATE WIREWAY DOORS: YES
BOTTOM PLATES REQUIRED: NO
FINISH: MANUFACTURER'S STANDARD

BUSSING:
MATERIAL: COPPER
HORIZONTAL BUS RATING: 1200A
VERTICAL BUSES RATING: 300A
NEUTRAL BUS RATING: NONE
HORIZONTAL GROUND BUS : 1"x 1/4"
VERTICAL GROUND BUS : NONE
SHORT CIRCUIT BRACING: 35,000A

MAIN: 600A, LUGS ONLY
LOCATION: BOTTOM, LEFT

UNITS:
WIRING: NEMA CLASS 1, TYPE B
TERM. BLOCKS TYPE: PULL-APART

FEEDERS: CIRCUIT BREAKERS

STARTERS & VFD'S: COMB. TYPE
STYLE: NEMA STANDARD
PROTECTION: CIRCUIT BREAKER

INTERRUPTING CAP: 35,000A
CONTROL VOLTAGE: 24VDC
CONTROL XFMR: NONE
CONTROL CIRCUIT FUSE: YES
AUXILIARY CONTACTS: 2 N.O.
OIL RELAYS: THERMAL MAG
HEATERS BY: MANUFACTURER
DEVICES: "RUN" PILOT LIGHT

SPECIAL PROVISIONS:
MASTER NAMEPLATE
UNIT NAMEPLATES

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting		1269.0	1269.0	1.25	1586.3
Gen. Purpose Outlets (First 10 KVA)		360.0	360.0	1.00	360.0
Gen. Purpose Outlets (Remainder)		0.0	0.0	0.50	0.0
Special Purpose Outlets		0.0	0.0	1.00	0.0
Mechanical Equipment		18562.9	18562.9	1.00	18562.9
Process Equipment		236492.0	236492.0	1.00	236492.0
Miscellaneous		4390.0	4390.0	1.00	4390.0
25% Largest Motor					0.0
Existing Max Load per Feb. 2020 OPALC	201777.8		201777.8	1.25	252222.2
Billing History = 181.6 KW @ 0.9 P.F. Meter # 147 651 262. See Note 1 Below.					
TOTAL LOAD	201777.8	261073.9	462851.6		513613.3
TOTAL AMPS	242.7	314.0	556.7		617.8

MCC SPACE	EQUIP. NO.	DESCRIPTION	MOTOR HP	SF	FLA	LOAD KVA	CONN. LOAD (VA)	STARTER SIZE	DISC. MEANS TYPE	RATING	TYPE
1A		MAIN BREAKER									
2A		AUTOMATIC TRANSFER SWITCH (6)									
3A		PANEL A - OPERATIONS ANNEX BLDG.					1590.0	NONE	NONE	70/3	BREAKER
3C		POWER METER									
3E	EG-3700	GENERATOR CIRCUIT BREAKER (4)					0.0	NONE	NONE	700/3	BREAKER
4A	PNL-5011	PANEL UV - UV SYSTEM					0.0	NONE	NONE	30/3	BREAKER
4C		PANEL LPA - OPERATIONS BUILDING					0.0	NONE	NONE	125/3	BREAKER
4E		PANEL LPB - OPERATIONS BUILDING					0.0	NONE	NONE	70/3	BREAKER
4G		PANEL HPE - WATER UTILITIES BUILDING (4)					112998.2	NONE	NONE	225/3	BREAKER
4H		MCCB - BLOWER BUILDING					284935.2	NONE	NONE	300/3	BREAKER
5A		PANEL LPH - BIOSOLIDS BUILDING (5) (FORMERLY PANEL LPH & PANEL 8510 - BELT PRESS)					26792.5	NONE	NONE	200/3	BREAKER
5D		PANEL LPF - MAINTENANCE SHOP BUILDING					0.0	NONE	NONE	125/3	BREAKER
5F	P-1130	INFLUENT PUMP #3	15		21.0		16731.6	2	FVNR	30/3	INV BRKR
5H	P-2311	EQ BASIN (4)					0.0	NONE	NONE	150/3	INV BRKR
5J		SPACE									
6A	P-1110	INFLUENT PUMP #1	15		21.0		16731.6	2	FVNR	40/3	INV BRKR
6D	P-1120	INFLUENT PUMP #2	15		21.0		16731.6	2	FVNR	40/3	INV BRKR
6G	P-3522	EFLUENT PUMP 2-2	5		7.6		6055.2	0	VFD	20/3	INV BRKR
7A	WHR-2301	SPARE (ABANDONED GRIT WASHER) (2)					0.0	1	FVNR	15/3	INV BRKR
7C	P-5610	3W PUMP 1	5		7.6		6055.2	0	FVNR	15/3	INV BRKR
7E	P-5620	3W PUMP 2	5		7.6		6055.2	0	FVNR	15/3	INV BRKR
7G	P-3521	EFLUENT PUMP 2-1	5		7.6		6055.2	0	VFD	20/3	INV BRKR
8A	P-3511	EFLUENT PUMP 1-1	5		7.6		6055.2	0	VFD	20/3	INV BRKR
8G	P-3512	EFLUENT PUMP 1-2	5		7.6		6055.2	0	VFD	20/3	INV BRKR
9A	FAN-1592	LAB EXHAUST FAN					0.0	1	FVNR	3/3	INV BRKR
9C	MIX-6111	DIGESTER CONTROL PANEL LCP-601 (4) (FORMERLY DIGESTER MIXER)					38543.7	NONE	NONE	70/3	INV BRKR
9E	BLO-2010	BIO FILTER PANEL					0.0	NONE	NONE	20/3	BREAKER
9G		PUMP STATION 2 - LOCATED OFFSITE					0.0	NONE	NONE	150/3	BREAKER
9J	PNL-6108	PANEL 6108 SUMP PUMP 1&2 - SLUDGE GALLERY					5417.9	NONE	NONE	30/3	BREAKER
9L	1593	FUME HOOD EXHAUST FAN					15006.5	NONE	NONE	30/3	BREAKER
10A		PANEL HW-MP - HEADWORKS BUILDING					71768.3	NONE	NONE	100/3	BREAKER
10C 10E		PUMP STATION 2 - PUMP 1 PUMP STATION 2 - PUMP 2					0.0	NONE	NONE	300/3	BREAKER
10G	SCN-2210	SPARE (ABANDONED INFLUENT SCREEN) (2)					0.0	1	FVNR	3/3	INV BRKR
10J		PANEL LPC - OPERATIONS BUILDING					13142.2	NONE	NONE	70/3	BREAKER
10L		STARTER FAN 2010 & 2020 IN OLD SHOP					0.0	NONE	NONE	20/3	BREAKER

NOTES
(1) PEAK LOAD AS RECORDED BY OPALCO DEMAND METER FROM NOVEMBER, 2019 THROUGH DECEMBER 2021.
(2) REMOVE EXISTING ABANDONED WIRES, MAKE MCC BUCKET SPARE AND PROVIDE NEW LABEL.
(3) REMOVE EXISTING WIRES, MAKE MCC BUCKET SPARE AND PROVIDE NEW LABEL.
(4) REMOVE EXISTING CIRCUIT AND BUCKET/UNIT. PROVIDE NEW CIRCUIT AND NEW BUCKET/UNIT.
(5) REMOVE EXISTING LABEL AND PROVIDE UPDATED LABEL.
(6) REPLACE ALL ATS INTERIOR AND DOOR MOUNTED COMPONENTS WITH NEW. THE EXISTING ATS IS ASCO, 7000 SERIES, SERIAL #: 214753-1 1200A BOM 735075,

EXISTING TRANSFORMER XPA — MCC ROOM - OPERATIONS BUILDING

KVA: 75 PHASE: 3
PRIMARY: 480 DELTA
SECONDARY: 208Y/120
TAPS: 2 @ 2.5% FCAN
4 @ 2.5% FCBN
COOLING: OA
INSULATION : CLASS 220
TEMP. RISE: 150C (40C AMBIENT)

TYPE: DRY
ENCLOSURE: NEMA 1
MOUNTING: WALL
WINDINGS: MANUFACTURER'S STANDARD
SPECIAL PROVISIONS:
MASTER NAMEPLATE
VIBRATION ISOLATION PADS

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	0.0	0.0	0.0	1.25	0.0
Gen. Purpose Outlets (First 10 KVA)	0.0	0.0	0.0	1.00	0.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	0.0	0.0	0.0	1.00	0.0
Process Equipment	0.0	0.0	0.0	1.00	0.0
Miscellaneous	0.0	0.0	0.0	1.00	0.0
25% Largest Motor					0.0
TOTAL LOAD	0.0	0.0	0.0		0.0
TOTAL AMPS (PRIMARY)	0.0	0.0	0.0		0.0
TOTAL AMPS (SECONDARY)	0.0	0.0	0.0		0.0

EXISTING PANEL LPA — MCC ROOM - OPERATIONS BUILDING

VOLTAGE: 208Y/120V, 3 PH, 4 W
TYPE: PANELBOARD
SQUARE D, NQOD
ENCLOSURE: NEMA 1
MOUNTING: SURFACE

BUSSING: MANUFACTURER'S STANDARD
CONTINUOUS RATING: 200 A
FULL AIC RATING: 10,000 A
SERIES AIC RATING: NONE

MAIN: CIRCUIT BREAKER
CONTINUOUS RATING: 200 A
FULL AIC RATING: 10,000 A
SERIES AIC RATING: NONE
LOCATION: TOP

FEEDER/BRANCH CIRCUIT DEVICES: BOLT-ON CIRCUIT BREAKERS
FULL AIC RATING: 10,000 A
SERIES AIC RATING: NONE

SPECIAL PROVISIONS:
MASTER NAMEPLATE
GROUND BAR
SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	0.0	0.0	0.0	1.25	0.0
Gen. Purpose Outlets (First 10 KVA)	0.0	0.0	0.0	1.00	0.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	0.0	0.0	0.0	1.00	0.0
Process Equipment	0.0	0.0	0.0	1.00	0.0
Miscellaneous	0.0	0.0	0.0	1.00	0.0
25% Largest Motor					0.0
TOTAL LOAD	0.0	0.0	0.0		0.0
TOTAL AMPS	0.0	0.0	0.0		0.0

CONN. LOAD (VA)	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	BKR AMP/P	CKT NO	BUS (PHASE)	CKT NO	BKR AMP/P	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	CONN. LOAD (VA)
	MAIN CIRCUIT BREAKER									
0.0	HALL/CLOSET RCP		20/1	1	A	2	20/1	OUTLETS - LAB SOUTH WALL		0.0
0.0	SALT MONITOR		20/1	3	B	4	20/1	OUTLETS - LAB SOUTH WALL		0.0
0.0	SPARE		20/1	5	C	6	20/1	OUTLETS - LAB SOUTH WALL		0.0
0.0	OUTLETS - OFFICE		20/1	7	A	8	20/1	SPARE		0.0
0.0	SPARE		20/1	9	B	10	20/1	SPARE		0.0
0.0	OUTLETS - INCUB		20/1	11	C	12	20/1	SPARE		0.0
0.0	REFRIGERATOR		20/1	13	A	14	20/1	DISHWASHER		0.0
0.0	SPARE		20/1	15	B	16	20/1	SPARE		0.0
0.0	SPARE		20/1	17	C	18	20/1	SPARE		0.0
0.0	LTG, FAN		20/1	19	A	20	20/1	SPARE		0.0
0.0	SPARE		20/1	21	B	22	20/1	OUTLETS - LAB ISLAND		0.0
0.0	OUTLETS - LAB EAST WALL		20/1	23	C	24	20/1	OUTLETS - LAB ISLAND		0.0
0.0	OUTLETS - LAB EAST WALL		20/1	25	A	26	20/1	OUTLETS - LAB ISLAND		0.0
0.0	OUTLETS - LAB EAST WALL		20/1	27	B	28	20/1	SPARE		0.0
0.0	OUTLETS - LAB DESK		20/1	29	C	30	20/1	OUTLETS - MCC ROOM		0.0
0.0	OUTLETS - LAB DESK		20/1	31	A	32	30/2	HOT WATER HEATER		0.0
0.0	LTG - MCC ROOM		20/1	33	B	34	1			0.0
0.0	LTG - LAB		20/1	35	C	36	20/1	LTG - SITE		0.0
0.0	LTG - OFFICE, HALL, BATH		20/1	37	A	38	20/1	LTG - SITE		0.0
0.0	LTG - EMERGENCY		20/1	39	B	40	20/1	LTG - SITE		0.0

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TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
ELECTRICAL – PANEL SCHEDULES

DATE 2-28-2025 | SCALE AS SHOWN | JOB NUMBER 2149.10

SHEET E16.01 R2 | PAGE 18 OF 20

EXISTING MOTOR CONTROL CENTER MCCB (MODIFY) — BLOWER BUILDING

VOLTAGE: 480V, 3 PH, 3 W
TYPE: NEMA STANDARD, ALLEN BRADLEY, 2100 SN K BWYX42/4 M
ENCLOSURE: NEMA 1
MOUNTING: SURFACE/FLOOR
REAR ACCESS: NONE

STRUCTURE: DEPTH: 20" WIDTH: 20"; SEPARATE WIREWAY DOORS: YES; BOTTOM PLATES REQUIRED: NO; FINISH: MANUFACTURERS STANDARD

BUSSING: MATERIAL: COPPER; HORIZONTAL BUS RATING: 600A; VERTICAL BUSES RATING: 300A; NEUTRAL BUS RATING: NONE; HORIZONTAL GROUND BUS: 1"x 1/4"; VERTICAL GROUND BUS: NONE; SHORT CIRCUIT BRACING: 35,000A

MAIN: CIRCUIT BREAKER; CONTINUOUS RATING: 300 A; FULL A/C RATING: 35,000 A; SERIES A/C RATING: NONE; LOCATION: TOP LEFT

UNITS:
WIRING: NEMA CLASS 1, TYPE B
TERM. BLOCKS TYPE: PULL-APART
FEEDERS: CIRCUIT BREAKERS
STARTERS & VFD'S: COMB. TYPE
STYLE: NEMA STANDARD
PROTECTION: CIRCUIT BREAKER
INTERRUPTING CAP: 35,000A
CONTROL VOLTAGE: 24VDC
CONTROL XFMR: NONE
CONTROL CIRCUIT FUSE: YES
AUXILIARY CONTACTS: 2 N.O.
O/L RELAYS: THERMAL MAG
HEATERS BY: MANUFACTURER
DEVICES: "RUN" PILOT LIGHT

SPECIAL PROVISIONS:
MASTER NAMEPLATE
UNIT NAMEPLATES

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	756.0	624.0	1380.0	1.25	1725.0
Gen. Purpose Outlets (First 10 KVA)	2160.0	180.0	2340.0	1.00	2340.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	360.0	0.0	360.0	1.00	360.0
Mechanical Equipment	290.4	0.0	290.4	1.00	290.4
Process Equipment	128363.1	100389.7	228752.8	1.00	228752.8
Miscellaneous	300.0	450.0	750.0	1.00	750.0
25% Largest Motor					51788.3
TOTAL LOAD	132229.5	101643.7	233873.2		286006.5
TOTAL AMPS	159.0	122.3	281.3		344.0

MCC SPACE	EQUIP. NO.	DESCRIPTION	MOTOR HP	MOTOR SF	MOTOR FLA	LOAD KVA	CONN. LOAD (VA)	STARTER SIZE	STARTER TYPE	DISC. MEANS RATING	DISC. MEANS TYPE
1A		MAIN					0.0	NONE	NONE	300/3	BREAKER
1E		SBR VFD CONTROL PANEL LCP-300 (CPB) (2) (FORMERLY SBR CONTROL PANEL 3000)			195.0		155365.0	NONE	NONE	350/3	BREAKER
1G	2020	STARTER FAN					0.0	1	FVNR	15/3	INV BRKR
1J		SPACE									
1L		SPACE									
2A		DIGESTER BLOWER 1 (2, 3, 4) (FORMERLY AERATION BLOWER 4)	30		40.0		31869.7	3	FVNR	80/3	INV BRKR
2C		DIGESTER BLOWER 2 (2, 3, 4) (FORMERLY AERATION BLOWER 5)	30		40.0		31869.7	3	FVNR	80/3	INV BRKR
2E		SPARE (1) (FORMERLY SBR MOTIVE PUMP 1)					0.0	2	FVNR	70/3	INV BRKR
2G		SPARE (1) (FORMERLY SBR MOTIVE PUMP 2					0.0	2	FVNR	70/3	INV BRKR
2J		PANEL LPD (VIA XFMR XPD)					10944.4	NONE	FVNR	50/3	BREAKER
2L		SPACE									
3A	3921	EXHAUST FAN 3921 - ROOF	3		4.8		3824.4	NONE	NONE	20/3	BREAKER
3E		SPACE									
3G		SPACE									
3J		SPACE									
3L		SPACE									

NOTES
(1) REMOVE EXISTING WIRES, MAKE MCC BUCKET SPARE AND PROVIDE NEW LABEL.
(2) REMOVE EXISTING CIRCUIT AND BUCKET/UNIT & PROVIDE NEW CIRCUIT AND BUCKET/UNIT.
(3) INSTALL NEW VENDOR SUPPLIED KAISER RELAY, PROVIDE NEW INTERPOSING RELAY, AND CONNECT TO CONTROL SIGNAL FOR DIGESTER BLOWER OVERLOAD PROTECTION.
(4) CONNECT BLOWER COOLING FAN CONTROLS TO MOTOR STARTER AUXILARY CONTACT SO THAT COOLING FAN IS ON WHEN BLOWER IS ON AND TURNS OFF 15 MINUTES AFTER BLOWER TURNS OFF.

EXISTING TRANSFORMER XPD — BLOWER BUILDING

KVA: 15 PHASE: 3
PRIMARY: 480 DELTA
SECONDARY: 208Y/120V
TAPS: 2 @ 2.5% FCAN, 4 @ 2.5% FCBN
COOLING: OA
INSULATION: CLASS 220
TEMP. RISE: 150C (40C AMBIENT)

TYPE: DRY
ENCLOSURE: NEMA 1
MOUNTING: FLOOR
WINDINGS: MANUFACTURER'S STANDARD
SPECIAL PROVISIONS: MASTER NAMEPLATE

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	756.0	624.0	1380.0	1.25	1725.0
Gen. Purpose Outlets (First 10 KVA)	2160.0	180.0	2340.0	1.00	2340.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	360.0	0.0	360.0	1.00	360.0
Mechanical Equipment	290.4	0.0	290.4	1.00	290.4
Kitchen Equipment & Appliances	5824.0	0.0	5824.0	1.00	5824.0
Miscellaneous	300.0	450.0	750.0	1.00	750.0
25% Largest Motor					0.0
TOTAL LOAD	9690.4	1254.0	10944.4		11289.4
TOTAL AMPS (PRIMARY)	11.7	1.5	13.2		13.6
TOTAL AMPS (SECONDARY)	26.9	3.5	30.4		31.3

EXISTING PANEL LPD (MODIFY) — BLOWER BUILDING

VOLTAGE: 208Y/120V, 3 PH, 4 W
TYPE: PANELBOARD, SQUARE D, NQOD
ENCLOSURE: NEMA 1
MOUNTING: SURFACE

BUSSING: MANUFACTURER'S STANDARD; CONTINUOUS RATING: 100 A; FULL A/C RATING: 10,000 A; SERIES A/C RATING: NONE

MAIN: CIRCUIT BREAKER; CONTINUOUS RATING: 100 A; FULL A/C RATING: 10,000 A; SERIES A/C RATING: NONE; LOCATION: TOP

FEEDER/BRANCH CIRCUIT DEVICES: BOLT-ON CIRCUIT BREAKERS; FULL A/C RATING: 10,000 A; SERIES A/C RATING: 22,000 A

SPECIAL PROVISIONS: MASTER NAMEPLATE; GROUND BAR; PROVIDE HANDLE TIES FOR ALL MULTI-WIRE BRANCH CIRCUITS

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	756.0	624.0	1380.0	1.25	1725.0
Gen. Purpose Outlets (First 10 KVA)	2160.0	180.0	2340.0	1.00	2340.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	360.0	0.0	360.0	1.00	360.0
Mechanical Equipment	290.4	0.0	290.4	1.00	290.4
Process Equipment	5824.0	0.0	5824.0	1.00	5824.0
Miscellaneous	300.0	450.0	750.0	1.00	750.0
25% Largest Motor					0.0
TOTAL LOAD	9690.4	1254.0	10944.4		11289.4
TOTAL AMPS	26.9	3.5	30.4		31.3

CONN. LOAD (VA)	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	BKR AMP/P	CKT NO	BUS (PHASE)	CKT NO	BKR AMP/P	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	CONN. LOAD (VA)
	MAIN CIRCUIT BREAKER									
0.0	UNUSABLE SPACE		SPACE	1	A	2	20/1	OUTLETS - BLOWER ROOM		2160.0
0.0			|	3	B	4	20/1	SPARE (FORMERLY BLOWER 1 FAN)	(2)	0.0
0.0			|	5	C	6	20/1	SPARE (FORMERLY BLOWER 2 FAN)	(2)	0.0
0.0	MAIN BREAKER		100/3	7	A	8	20/1	SPARE (FORMERLY BLOWER 3 FAN)	(2)	0.0
0.0			|	9	B	10	20/1	SPARE (FORMERLY GEN. BATTERY CHARGER)	(2)	0.0
0.0			|	11	C	12	20/1	LTG - BLOWER BUILDING INTERIOR		756.0
180.0	DRUM RECEP		20/1	13	A	14	20/1	DIGESTER BLOWER 1 COOLING FAN	(3)	145.2
180.0	OUTLETS - FIBER		20/1	15	B	16	20/1	DIGESTER BLOWER 2 COOLING FAN	(3)	145.2
100.0	OUTLET - FILAMENT GROWTH SYSTEM	(1)	20/1	17	C	18	20/1	SPARE		0.0
50.0	PROBE CONTROLLERS - AERATION BASINS	(1)	20/1	19	A	20	20/1	FIRE ALARM		300.0
0.0	SPARE		20/1	21	B	22	20/1	LTG - BLOWER BUILDING EXTERIOR & SITE	(1)	624.0
0.0	SPARE		20/1	23	C	24	20/1	OUTLET - LIGHT POLE	(4)	180.0
300.0	OPERATOR INTERFACE PANEL OIT-302	(4)	20/1	25	A	26	SPACE			0.0
2912.0	SBR CONTROL PANEL CPA & CPB	(4)	40/2	27	B	28	SPACE			0.0
2912.0			|	29	C	30	SPACE			0.0

NOTES
(1) PROVIDE NEW CIRCUIT ON EXISTING SPARE CIRCUIT BREAKER.
(2) REMOVE EXISTING CIRCUIT AND MAKE CIRCUIT BREAKER SPARE.
(3) DISCONNECT EXISTING CIRCUIT, EXTEND CIRCUIT TO ROUTE THROUGH NEW TIME DELAY OFF TIMER & RECONNECT CIRCUIT.
(4) PROVIDE NEW CIRCUIT AND CIRCUIT BREAKER IN EXISTING SPACE.

NEW PANEL HPE — WATER UTILITIES BUILDING

VOLTAGE: 480V, 3 PH, 3 W
TYPE: PANELBOARD
ENCLOSURE: NEMA 1
MOUNTING: SURFACE

BUSSING: MANUFACTURER'S STANDARD; CONTINUOUS RATING: 225 A; FULL A/C RATING: 65,000 A; SERIES A/C RATING: NONE

MAIN: CIRCUIT BREAKER; CONTINUOUS RATING: 225 A; FULL A/C RATING: 65,000 A; SERIES A/C RATING: NONE; LOCATION: BOTTOM

FEEDER/BRANCH CIRCUIT DEVICES: BOLT-ON CIRCUIT BREAKERS; FULL A/C RATING: 14,000 A; SERIES A/C RATING: 65,000 A

SPECIAL PROVISIONS: MASTER NAMEPLATE; GROUND BAR; PROVIDE HANDLE TIES FOR ALL MULTI-WIRE BRANCH CIRCUITS

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	488.0	0.0	488.0	1.25	610.0
Gen. Purpose Outlets (First 10 KVA)	1800.0	0.0	1800.0	1.00	1800.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	7200.0	0.0	7200.0	1.00	7200.0
Process Equipment	44617.6	40515.1	85132.7	1.00	85132.7
Miscellaneous	6267.0	1420.0	7687.0	1.00	7687.0
25% Largest Motor					2191.0
TOTAL LOAD	60372.6	41935.1	102307.7		104620.7
TOTAL AMPS	72.6	50.4	123.1		125.8

CONN. LOAD (VA)	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	BKR AMP/P	CKT NO	BUS (PHASE)	CKT NO	BKR AMP/P	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	CONN. LOAD (VA)
6096.8	UV POWER DISTRIBUTION CENTER PDC-1A		30/3	1	A	2	SPACE			0.0
6096.8			|	3	B	4	|			0.0
6096.8			|	5	C	6	|			0.0
6096.8	UV POWER DISTRIBUTION CENTER PDC-1B		30/3	7	A	8	SPACE			0.0
6096.8			|	9	B	10	|			0.0
6096.8			|	11	C	12	|			0.0
831.4	UV HYDRAULIC SYSTEMS CENTER HSC-1		15/3	13	A	14	SPACE			0.0
831.4			|	15	B	16	|			0.0
831.4			|	17	C	18	|			0.0
0.0			SPACE	19	A	20	SPACE			0.0
0.0			|	21	B	22	|			0.0
0.0			|	23	C	24	|			0.0
0.0			SPACE	25	A	26	SPACE			0.0
0.0			|	27	B	28	|			0.0
0.0			|	29	C	30	|			0.0
0.0			SPACE	31	A	32	SPACE			0.0
0.0			|	33	B	34	|			0.0
0.0			|	35	C	36	|			0.0
21077.5	MCCC - LOCATED TO LEFT SIDE OF THIS PANEL		100/3	37	A	38	SPACE			0.0
21077.5			|	39	B	40	|			0.0
21077.5			|	41	C	42	|			0.0
	MAIN CIRCUIT BREAKER									

EXISTING MOTOR CONTROL CENTER MCCC (MODIFY & RECONNECT) — WATER UTILITIES BUILDING

VOLTAGE: 480V, 3 PH, 3 W
TYPE: NEMA STANDARD, ALLAN BRADLEY, CENTERLINE, 2100
ENCLOSURE: NEMA 1
MOUNTING: SURFACE/FLOOR
REAR ACCESS: NONE

STRUCTURE: DEPTH: 20" WIDTH: 20"; SEPARATE WIREWAY DOORS: YES; BOTTOM PLATES REQUIRED: NO; FINISH: MANUFACTURER'S STANDARD

BUSSING: MATERIAL: COPPER; HORIZONTAL BUS RATING: 600A; VERTICAL BUSES RATING: 300A; NEUTRAL BUS RATING: NONE; HORIZONTAL GROUND BUS: 1"x 1/4"; VERTICAL GROUND BUS: NONE; SHORT CIRCUIT BRACING: 65,000A

MAIN: CIRCUIT BREAKER; CONTINUOUS RATING: 100 A; FULL A/C RATING: 65,000 A; SERIES A/C RATING: NONE; LOCATION: BOTTOM

UNITS:
WIRING: NEMA CLASS 1, TYPE B
TERM. BLOCKS TYPE: PULL-APART
FEEDERS: CIRCUIT BREAKERS
STARTERS & VFD'S: COMB. TYPE
STYLE: NEMA STANDARD
PROTECTION: CIRCUIT BREAKER
INTERRUPTING CAP: 35,000A
CONTROL VOLTAGE: 24VDC
CONTROL XFMR: NONE
CONTROL CIRCUIT FUSE: YES
AUXILIARY CONTACTS: 2 N.O.
O/L RELAYS: THERMAL MAG
HEATERS BY: MANUFACTURER
DEVICES: "RUN" PILOT LIGHT

SPECIAL PROVISIONS: MASTER NAMEPLATE; UNIT NAMEPLATES

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	488.0	0.0	488.0	1.25	610.0
Gen. Purpose Outlets (First 10 KVA)	1800.0	0.0	1800.0	1.00	1800.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	7200.0	0.0	7200.0	1.00	7200.0
Process Equipment	44617.6	1440.0	46057.6	1.00	46057.6
Miscellaneous	6267.0	1420.0	7687.0	1.00	7687.0
25% Largest Motor					2191.0
TOTAL LOAD	60372.6	2860.0	63232.6		65545.7
TOTAL AMPS	72.6	3.4	76.1		78.8

MCC SPACE	EQUIP. NO.	DESCRIPTION	MOTOR HP	MOTOR SF	MOTOR FLA	LOAD KVA	CONN. LOAD (VA)	STARTER SIZE	STARTER TYPE	DISC. MEANS RATING	DISC. MEANS TYPE
1A		SPARE (2) (FORMELRY 2W PUMP #1, P-1051					0.0	2	FVNR	40/3	BREAKER
1C		2W PUMP SKID (1) (FORMELRY 2W PUMP #2, P-1052)					33463.2	NONE	NONE	30/3	BREAKER
1E		PANEL LPE (VIA XFMR)					18615.0	NONE	NONE	30/3	BREAKER
1F		EFFLUENT DISC FILTER 01 (PANEL DCP1)					11154.4	NONE	NONE	30/3	BREAKER
1H		SPARE (2) (FORMERLY PRIMARY 3W STRAINER)					0.0	NONE	NONE	30/3	BREAKER
1J		MAIN BREAKER									

NOTES
(1) REMOVE EXISTING CIRCUIT AND BUCKET/UNIT. PROVIDE NEW CIRCUIT AND NEW BUCKET/UNIT.
(2) REMOVE EXISTING CIRCUIT AND MAKE BUCKET/UNIT SPARE.

EXISTING TRANSFORMER LPX — WATER UTILITIES BUILDING

KVA: 45 PHASE: 3
PRIMARY: 480 DELTA
SECONDARY: 208Y/120
TAPS: 2 @ 2.5% FCAN, 4 @ 2.5% FCBN
COOLING: OA
INSULATION: CLASS 220
TEMP. RISE: 150C (40C AMBIENT)

TYPE: DRY
ENCLOSURE: NEMA 1
MOUNTING: FLOOR
WINDINGS: MANUFACTURER'S STANDARD
SPECIAL PROVISIONS: MASTER NAMEPLATE

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	488.0	0.0	488.0	1.25	610.0
Gen. Purpose Outlets (First 10 KVA)	1800.0	0.0	1800.0	1.00	1800.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	7200.0	0.0	7200.0	1.00	7200.0
Kitchen Equipment & Appliances	0.0	1440.0	1440.0	1.00	1440.0
Miscellaneous	6267.0	1420.0	7687.0	1.00	7687.0
25% Largest Motor					460.0
TOTAL LOAD	15755.0	2860.0	18615.0		19197.0
TOTAL AMPS (PRIMARY)	19.0	3.4	22.4		23.1
TOTAL AMPS (SECONDARY)	43.7	7.9	51.7		53.3

EXISTING PANEL LPE (MODIFY) — WATER UTILITIES BUILDING

VOLTAGE: 208Y/120V, 3 PH, 4 W
TYPE: PANELBOARD
ENCLOSURE: NEMA 1
MOUNTING: SURFACE

BUSSING: MANUFACTURER'S STANDARD; CONTINUOUS RATING: 225 A; FULL A/C RATING: 10,000 A; SERIES A/C RATING: NONE

MAIN: CIRCUIT BREAKER; CONTINUOUS RATING: 70 A; FULL A/C RATING: 10,000 A; SERIES A/C RATING: NONE; LOCATION: TOP RIGHT

FEEDER/BRANCH CIRCUIT DEVICES: BOLT-ON CIRCUIT BREAKERS; FULL A/C RATING: 10,000 A; SERIES A/C RATING: NONE

SPECIAL PROVISIONS: MASTER NAMEPLATE; GROUND BAR; SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	488.0	0.0	488.0	1.25	610.0
Gen. Purpose Outlets (First 10 KVA)	1800.0	0.0	1800.0	1.00	1800.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	7200.0	0.0	7200.0	1.00	7200.0
Kitchen Equipment & Appliances	0.0	1440.0	1440.0	1.00	1440.0
Miscellaneous	6267.0	1420.0	7687.0	1.00	7687.0
25% Largest Motor					460.0
TOTAL LOAD	15755.0	2860.0	18615.0		19197.0
TOTAL AMPS	43.7	7.9	51.7		53.3

CONN. LOAD (VA)	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	BKR AMP/P	CKT NO	BUS (PHASE)	CKT NO	BKR AMP/P	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	CONN. LOAD (VA)
	MAIN CIRCUIT BREAKER									
0.0	BREAKER LOCATED ON RIGHT EXTENDS TO THIS SPACE			1	A	2	70/3	MAIN BREAKER		0.0
0.0				3	B	4	|			0.0
0.0				5	C	6	|			0.0
2500.0	HEAT		20/2	7	A	8	20/2	HEAT		2500.0
2500.0			|	9	B	10	|			2500.0
667.0	AIR 110		20/1	11	C	12	20/1	OUTLETS		540.0
964.0	LTG & OUTLETS - CHLORINE ROOM		20/1	13	A	14	20/1	LTG		244.0
360.0	CHLORINE PUMP		20/1	15	B	16	20/1	3W OUTLET/HEAT TAPE		300.0
180.0	OUTLET - EXTERIOR		20/2	17	C	18	30/2	AIR COMPRESSOR		920.0
180.0			|	19	A	20	|			920.0
180.0	OUTLET - EXTERIOR		20/1	21	B	22	20/1	UV SYSTEM CONTROL CENTER SCC-1	(1)	1440.0
0.0	SPARE		20/1	23	C	24	20/1	CONTROL PANEL LCP-501	(1)	300.0
300.0	3W HEAT TRACE		20/1	25	A	26	20/1	3W PUMP 1 (P-5610) & 2 (P-5611) HEATERS	(1)	1009.0
0.0			SPACE	27	B	28	20/1	ON-LINE UV TRANSMITTANCE CONTROLLER	(1)	120.0
0.0			SPACE	29	C	30	SPACE			0.0

NOTES
(1) PROVIDE NEW CIRCUIT AND CIRCUIT BREAKER IN EXISTING SPACE

EXISTING PANEL A (MODIFY) — OPERATIONS ANNEX BUILDING

VOLTAGE: 208Y/120V, 3 PH, 4 W
TYPE: LOAD CENTER, SQUARE D, NQOE 24428
ENCLOSURE: NEMA 1
MOUNTING: SURFACE

BUSSING: MANUFACTURER'S STANDARD; CONTINUOUS RATING: 100 A; FULL A/C RATING: 10,000 A; SERIES A/C RATING: NONE

MAIN: CIRCUIT BREAKER; CONTINUOUS RATING: 100 A; FULL A/C RATING: 10,000 A; SERIES A/C RATING: NONE; LOCATION: TOP

FEEDER/BRANCH CIRCUIT DEVICES: BOLT-ON CIRCUIT BREAKERS; FULL A/C RATING: 200 A; SERIES A/C RATING: 10,000 A

SPECIAL PROVISIONS: MASTER NAMEPLATE; GROUND BAR; PROVIDE HANDLE TIES FOR ALL MULTI-WIRE BRANCH CIRCUITS

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	0.0	0.0	0.0	1.25	0.0
Gen. Purpose Outlets (First 10 KVA)	0.0	0.0	0.0	1.00	0.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	0.0	150.0	150.0	1.00	150.0
Kitchen Equipment & Appliances	0.0	0.0	0.0	1.00	0.0
Miscellaneous	0.0	1440.0	1440.0	1.00	1440.0
25% Largest Motor					0.0
TOTAL LOAD	0.0	1590.0	1590.0		1590.0
TOTAL AMPS	0.0	4.4	4.4		4.4

CONN. LOAD (VA)	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	BKR AMP/P	CKT NO	BUS (PHASE)	CKT NO	BKR AMP/P	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	CONN. LOAD (VA)
0.0	SPARE		30/2	1	A	2	30/2	HOT WATER HEATER		0.0
0.0			|	3	B	4	|			0.0
0.0	HOT PLATE		20/2	5	C	6	20/2	HEATING - LAB AND BATH		0.0
0.0			|	7	A	8	|			0.0
0.0	OUTLETS - WEST WALL		20/1	9	B	10	20/1	LTG - LAB, OUTSIDE		0.0
0.0	GFI		20/1	11	C	12	20/1	LTG - BATH, FANS		0.0
0.0	NORTH WALL		20/1	13	A	14	20/1	OUTLETS - DESK, BATH		0.0
1440.0	MOTORIZED GATE - NORTH ENTRANCE	(1)	20/1	15	B	16	SPACE			0.0
150.0	HOT BOX OUTLET - NEAR NORTH GATE	(1)	20/1	17	C	18	SPACE			0.0
0.0			SPACE	19	A	20	SPACE			0.0
0.0			SPACE	21	B	22	SPACE			0.0
0.0			SPACE	23	C	24	SPACE			0.0
	MAIN CIRCUIT BREAKER									

NOTES
(1) PROVIDE NEW CIRCUIT & CIRCUIT BREAKER IN EXISTING SPACE.

EXISTING DISCONNECT SWITCH (MODIFY) — BIOSOLIDS BUILDING

VOLTAGE: 480Y/277V, 3 PH, 4 W
SWITCH TYPE: HEAVY DUTY, FUSIBLE
FUSE TYPE: DUAL ELEMENT, CLASS RK5

ENCLOSURE: NEMA 3R
MOUNTING: SURFACE

SWITCH RATING: 400 A
FUSES RATING: 250 A

SPECIAL PROVISIONS: NAMEPLATE; GROUND BAR; SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	1600.0	645.0	2245.0	1.25	2806.3
Gen. Purpose Outlets (First 10 KVA)	1800.0	0.0	1800.0	1.00	1800.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	540.0	0.0	540.0	1.00	540.0
Mechanical Equipment	7705.2	0.0	7705.2	1.00	7705.2
Kitchen Equipment & Appliances	42057.9	5344.3	47402.2	1.00	47402.2
Miscellaneous	11770.8	1127.0	12897.8	1.00	12897.8
25% Largest Motor					4182.9
TOTAL LOAD	65473.9	7116.3	72590.2		77334.4
TOTAL AMPS	78.8	8.6	87.3		93.0

NOTES
(1) REMOVE EXISTING CONVEYOR, DIGESTER SLUDGE, DRYER TAPS FROM SECONDARY SIDE AS INDICATED ON PLANS.

CHANGE ORDER

NO.	REVISIONS	BY	DATE
1	ADDENDUM 1	STV	5/9/2025
2	UV IMPROVEMENTS	STV	1/5/2026
3	RELOCATE GENERATOR	STV	3/18/2026
4	3W PUMP CHANGES	STV	4/6/2026
5	UV IMPROVEMENTS	STV	4/20/2026

K ENGINEERS INC.
208 Third Street
Lynden, WA. 98264
Bus. (360) 354-4757
FAX (360) 354-6794

STEVEN B. TEVEL — STATE OF WASHINGTON — 41903 — REGISTERED PROFESSIONAL ENGINEER

WILSON ENGINEERING
WILSONENGINEERING.COM

DESIGNED BY STV | DRAWN BY KL | CHECKED BY STV

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
ELECTRICAL – PANEL SCHEDULES

DATE 2-28-2025 | SCALE AS SHOWN | JOB NUMBER 2149.10

SHEET E16.03 R5 | PAGE 120 OF 168

NO.	REVISIONS	BY	DATE
1	ADD EQ BASIN	STV	11/7/2025
2	UV IMPROVEMENTS	STV	1/5/2026

EXISTING PANEL LPJ (MODIFY) — BIOSOLIDS BUILDING

VOLTAGE: 480Y/277V, 3 PH, 4 W
TYPE: LOAD CENTER, SQUARE D, NF442L2C
ENCLOSURE: NEMA 1
MOUNTING: SURFACE

FEEDER/BRANCH CIRCUIT DEVICES: BOLT-ON CIRCUIT BREAKERS
FULL AIC RATING: 14,000 A
SERIES AIC RATING: 65,000 A

BUSSING: MANUFACTURER'S STANDARD
CONTINUOUS RATING: 225 A
FULL AIC RATING: 65,000 A
SERIES AIC RATING: NONE

SPECIAL PROVISIONS:
MASTER NAMEPLATE
GROUND BAR

MAIN: CIRCUIT BREAKER
CONTINUOUS RATING: 200 A
FULL AIC RATING: 65,000 A
SERIES AIC RATING: NONE
LOCATION: BOTTOM

PROVIDE HANDLE TIES FOR ALL MULTI-WIRE BRANCH CIRCUITS

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	0.0	0.0	0.0	1.25	0.0
Gen. Purpose Outlets (First 10 KVA)	0.0	0.0	0.0	1.00	0.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	6055.2	0.0	6055.2	1.00	6055.2
Process Equipment	33463.2	5152.3	38615.5	1.00	38615.5
Miscellaneous	0.0	0.0	0.0	1.00	0.0
25% Largest Motor					4182.9
TOTAL LOAD	39518.5	5152.3	44670.7		48853.6
TOTAL AMPS	47.5	6.2	53.7		58.8

CONN. LOAD (VA)	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	BKR AMP/P	CKT NO	BUS (PHASE)	CKT NO	BKR AMP/P	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	CONN. LOAD (VA)
5577.2	3W WATER SYSTEM VFD 1		30/3	1	A	2	15/3	SPARE (FORMERLY PANEL 5641)	(1)	0.0
5577.2			|	3	B	4	|			0.0
5577.2			|	5	C	6	|			0.0
5577.2	3W WATER SYSTEM VFD 2		30/3	7	A	8	30/3	SPARE (FORMER TURD SWIRLER)	(1)	0.0
5577.2			|	9	B	10	|			0.0
5577.2			|	11	C	12	|			0.0
0.0	SPARE	(1)	15/3	13	A	14	30/3	FAN 8030 - SOUTH ROOM		2018.4
0.0	(FORMERLY FAN 8020 - MEZZANINE)		|	15	B	16	|			2018.4
0.0			|	17	C	18	|			2018.4
0.0	SPARE (FORMERLY SHORT CONVEYER #1)	(1)	20/3	19	A	20	20/3	SPARE (FORMERLY LONG CONVEYER #2)	(1)	0.0
0.0			|	21	B	22	|			0.0
0.0			|	23	C	24	|			0.0
0.0			SPACE	25	A	26	SPACE			0.0
0.0			SPACE	27	B	28	SPACE			0.0
0.0			SPACE	29	C	30	SPACE			0.0
0.0			SPACE	31	A	32	SPACE			0.0
0.0			SPACE	33	B	34	SPACE			0.0
0.0			SPACE	35	C	36	SPACE			0.0
0.0			SPACE	37	A	38	SPACE			2576.1
0.0			SPACE	39	B	40	SPACE			2576.1
0.0			SPACE	41	C	42	SURFACE			2576.1
			MAIN CIRCUIT BREAKER							

NOTES
(1) REMOVE EXISTING CIRCUIT AND MAKE CIRCUIT BREAKER SPARE.
(2) PROVIDE NEW CIRCUIT & CIRCUIT BREAKER IN EXISTING SPACE.
(3) REMOVE EXISTING 30/3 CIRCUIT BREAKER & CIRCUIT. PROVIDE NEW CIRCUIT BREAKER AND RECONNECT EXISTING CIRCUIT.

EXISTING TRANSFORMER LPHX — BIOSOLIDS BUILDING

KVA: 75 PHASE: 3
PRIMARY: 480 DELTA
SECONDARY: 208Y/120
TAPS: 2 @ 2.5% FCAN, 4 @ 2.5% FCBN
COOLING: OA
INSULATION: CLASS 220
TEMP. RISE: 150C (40C AMBIENT)

TYPE: DRY
ENCLOSURE: NEMA 1
MOUNTING: FLOOR
WINDINGS: MANUFACTURER'S STANDARD
SPECIAL PROVISIONS:
MASTER NAMEPLATE

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	1600.0	645.0	2245.0	1.25	2806.3
Gen. Purpose Outlets (First 10 KVA)	1800.0	0.0	1800.0	1.00	1800.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	540.0	0.0	540.0	1.00	540.0
Mechanical Equipment	1650.0	0.0	1650.0	1.00	1650.0
Kitchen Equipment & Appliances	8594.7	192.0	8786.7	1.00	8786.7
Miscellaneous	11770.8	0.0	11770.8	1.00	11770.8
25% Largest Motor					0.0
TOTAL LOAD	25955.5	837.0	26792.5		27353.7
TOTAL AMPS (PRIMARY)	31.2	1.0	32.2		32.9
TOTAL AMPS (SECONDARY)	72.0	2.3	74.4		75.9

EXISTING PANEL LPH (MODIFY) — BIOSOLIDS BUILDING

VOLTAGE: 208Y/120V, 3 PH, 4 W
TYPE: LOAD CENTER, SQUARE D, QOC342MS
ENCLOSURE: NEMA 1
MOUNTING: SURFACE

FEEDER/BRANCH CIRCUIT DEVICES: BOLT-ON CIRCUIT BREAKERS
FULL AIC RATING: 200 A
SERIES AIC RATING: 10,000 A

BUSSING: MANUFACTURER'S STANDARD
CONTINUOUS RATING: 200 A
FULL AIC RATING: 10,000 A
SERIES AIC RATING: NONE

SPECIAL PROVISIONS:
MASTER NAMEPLATE
GROUND BAR

MAIN: CIRCUIT BREAKER
CONTINUOUS RATING: 200 A
FULL AIC RATING: 10,000 A
SERIES AIC RATING: NONE
LOCATION: TOP

PROVIDE HANDLE TIES FOR ALL MULTI-WIRE BRANCH CIRCUITS

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	1600.0	645.0	2245.0	1.25	2806.3
Gen. Purpose Outlets (First 10 KVA)	1800.0	0.0	1800.0	1.00	1800.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	540.0	0.0	540.0	1.00	540.0
Mechanical Equipment	1650.0	0.0	1650.0	1.00	1650.0
Process Equipment	8594.7	192.0	8786.7	1.00	8786.7
Miscellaneous	11770.8	0.0	11770.8	1.00	11770.8
25% Largest Motor					0.0
TOTAL LOAD	25955.5	837.0	26792.5		27353.7
TOTAL AMPS	72.0	2.3	74.4		75.9

CONN. LOAD (VA)	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	BKR AMP/P	CKT NO	BUS (PHASE)	CKT NO	BKR AMP/P	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	CONN. LOAD (VA)
			MAIN CIRCUIT BREAKER							
360.0	RECEPT BY PANEL		20/1	1	A	2	20/1	OUTLETS - PHONE		180.0
1500.0	WASHER		20/1	3	B	4	20/1	SPARE (FORMERLY SLUDGE CONVEYOR)	(2)	0.0
1248.0	DSHP 2		20/2	5	C	6	20/1	SPARE (FORMERLY SLUDGE CONVEYOR)	(2)	0.0
1248.0			|	7	A	8	20/1	FLOW METERS & SAMPLE PUMP	(3)	192.0
1248.0	LTG		20/2	9	B	10	20/2	DSHP 1		1248.0
1248.0			|	11	C	12	|			1248.0
180.0	220 V RECEPT W. WALL		20/2	13	A	14	60/3	3W CONTROL PANEL - WEST WALL		1200.9
180.0			|	15	B	16	|			1200.9
2161.6	OILER		30/3	17	C	18	|			1200.9
2161.6			|	19	A	20	15/1	HEAT WEST		800.0
2161.6			|	21	B	22	15/1	HEAT WEST		800.0
520.0	GATE		20/2	23	C	24	15/1	FAN 8030 CONTROL POWER		50.0
520.0			|	25	A	26	20/1	LTG - SHOP		1689.0
0.0	SPARE		40/2	27	B	28	20/2	BATH HEAT		0.0
0.0			|	29	C	30	|			0.0
0.0	SPARE		20/1	31	A	32	20/1	LTG - BATH & UPSTAIRS		556.0
360.0	OUTLETS - BAY WALL		20/1	33	B	34	20/1	REC		360.0
0.0	SPARE		20/2	35	C	36	20/1	REC		360.0
0.0			|	37	A	38	40/2	WELDER		180.0
0.0	SPARE		30/2	39	B	40	|			180.0
0.0			|	41	C	42	20/1	INSTA HOT		250.0

NOTES
(1) REMOVE EXISTING CIRCUIT AND MAKE CIRCUIT BREAKER SPARE.
(2) REMOVE EXISTING CIRCUIT & CIRCUIT BREAKER. PROVIDE NEW SPARE CIRCUIT BREAKER.
(3) REMOVE EXISTING CIRCUIT & CIRCUIT BREAKER. PROVIDE NEW CIRCUIT AND CIRCUIT BREAKER.

NEW CIRCUIT BREAKER HEQ — EQ BASIN ELECTRICAL ENCLOSURE

VOLTAGE: 480Y/277V, 3 PH, 4 W
TYPE: CIRCUIT BREAKER
ENCLOSURE: NEMA 1
MOUNTING: SURFACE
CONTINUOUS RATING: 150 A
FULL AIC RATING: 14,000 A
SERIES AIC RATING: NONE

SPECIAL PROVISIONS:
NAMEPLATE
GROUND BAR
SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	0.0	408.0	408.0	1.25	510.0
Gen. Purpose Outlets (First 10 KVA)	0.0	360.0	360.0	1.00	360.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	0.0	0.0	0.0	1.00	0.0
Kitchen Equipment & Appliances	0.0	43980.2	43980.2	1.00	43980.2
Miscellaneous	0.0	2205.0	2205.0	1.00	2205.0
25% Largest Motor					281.8
TOTAL LOAD	0.0	46953.2	46953.2		47337.0
TOTAL AMPS	0.0	56.5	56.5		56.9

NEW TRANSFORMER XEQ — EQ BASIN ELECTRICAL ENCLOSURE

KVA: 7.5 PHASE: 1
PRIMARY: 480 V
SECONDARY: 120/240 V
TAPS: NONE
COOLING: OA
INSULATION: CLASS 220
TEMP. RISE: 115C (40C AMBIENT)

TYPE: DRY
ENCLOSURE: NEMA 3R, WALL MOUNTED
WINDINGS: MANUFACTURER'S STANDARD
NEMA TP-1 STANDARD

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	0.0	408.0	408.0	1.25	510.0
Gen. Purpose Outlets (First 10 KVA)	0.0	360.0	360.0	1.00	360.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	0.0	0.0	0.0	1.00	0.0
Kitchen Equipment & Appliances	0.0	0.0	0.0	1.00	0.0
Miscellaneous	0.0	2205.0	2205.0	1.00	2205.0
25% Largest Motor					281.8
TOTAL LOAD	0.0	2973.0	2973.0		3356.8
TOTAL AMPS (PRIMARY)	0.0	6.2	6.2		7.0
TOTAL AMPS (SECONDARY)	0.0	12.4	12.4		14.0

NEW PANEL LEQ — EQ BASIN ELECTRICAL ENCLOSURE

VOLTAGE: 120/240 V, 1 PH, 3 W
TYPE: PANELBOARD
ENCLOSURE: NEMA 1
MOUNTING: SURFACE

FEEDER/BRANCH CIRCUIT DEVICES: BOLT-ON CIRCUIT BREAKERS
FULL AIC RATING: 10,000 A
SERIES AIC RATING: NONE

BUSSING: MANUFACTURER'S STANDARD
CONTINUOUS RATING: 100A
FULL AIC RATING: 10,000 A
SERIES AIC RATING: NONE

SPECIAL PROVISIONS:
MASTER NAMEPLATE
GROUND BAR
23" MAX HEIGHT

MAIN: CIRCUIT BREAKER
CONTINUOUS RATING: 40 A
FULL AIC RATING: 10,000 A
SERIES AIC RATING: NONE
LOCATION: TOP

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	0.0	408.0	408.0	1.25	510.0
Gen. Purpose Outlets (First 10 KVA)	0.0	360.0	360.0	1.00	360.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	0.0	0.0	0.0	1.00	0.0
Kitchen Equipment & Appliances	0.0	0.0	0.0	1.00	0.0
Miscellaneous	0.0	2205.0	2205.0	1.00	2205.0
25% Largest Motor					281.8
TOTAL LOAD	0.0	2973.0	2973.0		3356.8
TOTAL AMPS	0.0	12.4	12.4		14.0

CONN. LOAD (VA)	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	BKR AMP/P	CKT NO	BUS (PHASE)	CKT NO	BKR AMP/P	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	CONN. LOAD (VA)
			MAIN CIRCUIT BREAKER							
136.0	LTG - NORTH LIGHT POLE		20/1	1	A	2	20/1	OUTLET - INSIDE ELECTRICAL ENCLOSURE		1127.0
180.0	OUTLET - NORTH LIGHT POLE		20/1	3	B	4	15/1	SPARE		828.0
272.0	LTG - SOUTH LIGHT POLE		20/1	5	A	6	20/1	SPARE		250.0
180.0	OUTLET - SOUTH LIGHT POLE		20/1	7	B	8	20/1	SPARE		0.0
0.0	SPARE		20/1	9	A	10	20/1	SPARE		0.0
0.0	SPARE		20/1	11	B	12	20/1	SPARE		0.0
0.0	SPARE		20/1	13	A	14	20/1	SPARE		0.0
0.0			SPACE	15	B	16	SPACE			0.0
0.0			SPACE	17	A	18	SPACE			0.0
0.0			SPACE	19	B	20	SPACE			0.0

CHANGE ORDER

K ENGINEERS INC.
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Bus. (360) 354-4757
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STEVEN B. TEVIS — STATE OF WASHINGTON — 21903 — REGISTERED PROFESSIONAL ENGINEER — 1/5/2026

WILSON ENGINEERING
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DESIGNED BY STV | DRAWN BY KL | CHECKED BY STV

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR, WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
ELECTRICAL – PANEL SCHEDULES

DATE 2-28-2025 | SCALE AS SHOWN | JOB NUMBER 2149.10

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BOSS Construction, Inc
Friday Harbor WWTP

BC#: **6**

UV Equipment upgrades

Line	DESCRIPTION		
1	Demo - #8 Remove UV equipment	$	3,144.00
2	#9 demo baffle wall	$	6,298.75
3	#10 & #12 channel btm & top	$	29,301.00
4	Fill	$	10,101.00
5	Channel Concrete	$	40,976.00
6	Grating plus ledger	$	7,541.00
7	Handrail	$	2,399.00
8	Mechanical piping	$	8,165.00
9	Stop gates	$	12,500.00
10	Pumps 2ea	$	74,610.00
11	UV equipment	$	369,850.00
12	Sidewalk demo for electrical	$	5,866.00
13	Replace sidewalk slabs	$	29,388.00
14	Electrical demo assist and misc	$	7,660.00
15	Electrical	$	302,959.89
16	Lodging and per diam	$	16,262.40
17	Tools	$	3,775.20
18	Equipment	$	4,235.00
19	Ferry travel 2 trucks & driver + 2 pass.	$	1,645.60
20			
21	**Added work total**	**$**	**936,677.84**
22	Deduct Bid item #29	$	(87,300.00)
23	Deduct Bid item #30	$	(130,700.00)
24	**Total change**	**$**	**718,677.84**
25	**Delete** replacing sidewalk Item #13 above - replace with gravel	$	(26,400.00)

WILSON ENGINEERING

Kenna Wurden-Foster <kwurdenfoster@wilsonengineering.com>

Friday Harbor WWTP

3 messages

Chris Hart <Chris@bossconstruction.biz> Thu, May 7, 2026 at 4:07 PM
To: "Scott Wilson (swilson@wilsonengineering.com)" <swilson@wilsonengineering.com>, Kenna Wurden-Foster <kwurdenfoster@wilsonengineering.com>

Scott,

As you're aware, we have recently submitted change proposals to replace the existing UV system as well as moving and upsizing the facilities temporary generator. We do need to request additional contract time for this work. Both changes will require a project extension to May 31, 2027. This date is required regardless of whether one or both changes are accepted.

Regards,

Chris Hart

Kenna Wurden-Foster <kwurdenfoster@wilsonengineering.com> Thu, May 7, 2026 at 4:12 PM
To: Chris Hart <Chris@bossconstruction.biz>
Cc: "Scott Wilson (swilson@wilsonengineering.com)" <swilson@wilsonengineering.com>

Hi Chris,

Would May 31, 2027 need to be the new substantial completion date? Or the new final completion? Right now substantial completion is by 3-26-2027, and final completion is by 05-08-2027. We'd be looking at an additional 66 days to bring substantial completion to 5-31-2027, or an additional 23 days to bring final completion to 5-31-2027.

Kenna Wurden-Foster, PE
P 360.733.6100 **D** 360.312.3148
805 Dupont Street, Suite 7, Bellingham, WA 98225
www.wilsonengineering.com

[Quoted text hidden]

Chris Hart <Chris@bossconstruction.biz> Thu, May 7, 2026 at 4:36 PM
To: Kenna Wurden-Foster <kwurdenfoster@wilsonengineering.com>
Cc: "Scott Wilson (swilson@wilsonengineering.com)" <swilson@wilsonengineering.com>

Substantial.

[Quoted text hidden]

CHANGE ORDER NO.: 07

Owner:	Town of Friday Harbor	Owner's Project No.:	Res. 2958
Engineer:	Wilson Engineering, LLC	Engineer's Project No.:	2020-048
Contractor:	BOSS Construction, Inc.	Contractor's Project No.:	25006
Project:	WWTP Improvements		
Contract Name:	Town of Friday Harbor WWTP Improvements		
Date Issued:	05-08-2026	Effective Date of Change Order:	05-08-2026

The Contract is modified as follows upon execution of this Change Order:

Description:

This Change Order is to relocate and increase the size of the new emergency generator. The larger generator will accommodate the additional load from the Influent Equalization Pumps and other planned upgrades.

Considering the Contract Time change per CO-06, which adjusted the Substantial Completion date to 05-31-2027 and the Final Payment date to 07-13-2027, no additional time will be required for this Generator Resize and Relocation change order.

Attachments:

Up size Generator proposal.pdf

AB_V2021_2020-048 Gen Relocation Sheets.pdf

Wilson Engineering Mail - Friday Harbor WWTP - Generator relocation and resizing.pdf

Wilson Engineering Mail - Friday Harbor WWTP_contract time change.pdf

Change in Contract Price	**Change in Contract Times**
Original Contract Price:	Original Contract Times:
$ 9,484,700.00 (excl. sales tax)	Substantial Completion: 540 cd (12-25-2026)
$ 10,319,353.60 (incl. sales tax 8.8%)	Ready for final payment: 583 cd (02-06-2027)
[Increase] ~~[Decrease]~~ from previously approved Change Orders No. 1 to No. **06** :	**[Increase] ~~[Decrease]~~** from previously approved Change Orders No.1 to No. **06** :
	Substantial Completion: 157 cd
$ $4,210,538.54 (incl. sales tax 8.65%)	Ready for final payment: 157 cd
Contract Price prior to this Change Order:	Contract Times prior to this Change Order:
$ 13,373,117.48 (excl. sales tax)	Substantial Completion: 697 cd (05-31-2027)
$ 14,529,892.14 (incl. sales tax 8.65%)	Ready for final payment: 740 cd (07-13-2027)
[Increase] ~~[Decrease]~~ this Change Order:	**[Increase] [Decrease]** this Change Order:
$ 39,200,73 (excl. sales tax)	Substantial Completion: 0 cd
$ 42,591.59 (incl. sales tax 8.65%)	Ready for final payment: 0 cd
Contract Price incorporating this Change Order:	Contract Times with all approved Change Orders:
$ 13,412,318.21 (excl. sales tax)	Substantial Completion: 697 cd (05-31-2027)
$ 14,572,483.74 (incl. sales tax 8.65%)	Ready for final payment: 740 cd (07-13-2027)

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	Recommended by Engineer (if required)	Accepted by Contractor
By:		
Title:		
Date:		

	Approved by Owner	Authorized by Owner
By:		
Title:		
Date:		

	Approved by Funding Agency
By:	
Title:	
Date:	

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BOSS Construction, Inc
Friday Harbor WWTP

BC#: **11**

Date	DESCRIPTION		**Upsize and relocate Generator**
	Mills Electric 500kw generator	$	30,516.73
	Set beams to slide in place	$	4,128.00
	Slide and lower into place	$	4,128.00
	Concrete pump (original planned to tailgate)	$	1,200.00
	Additional excavation handling	$	4,128.00
		$	-
	Total	$	44,100.73
	Demo deduct line 1.14 on Pay Est 50%	$	(4,900.00)
	Adjusted Total	**$**	**39,200.73**

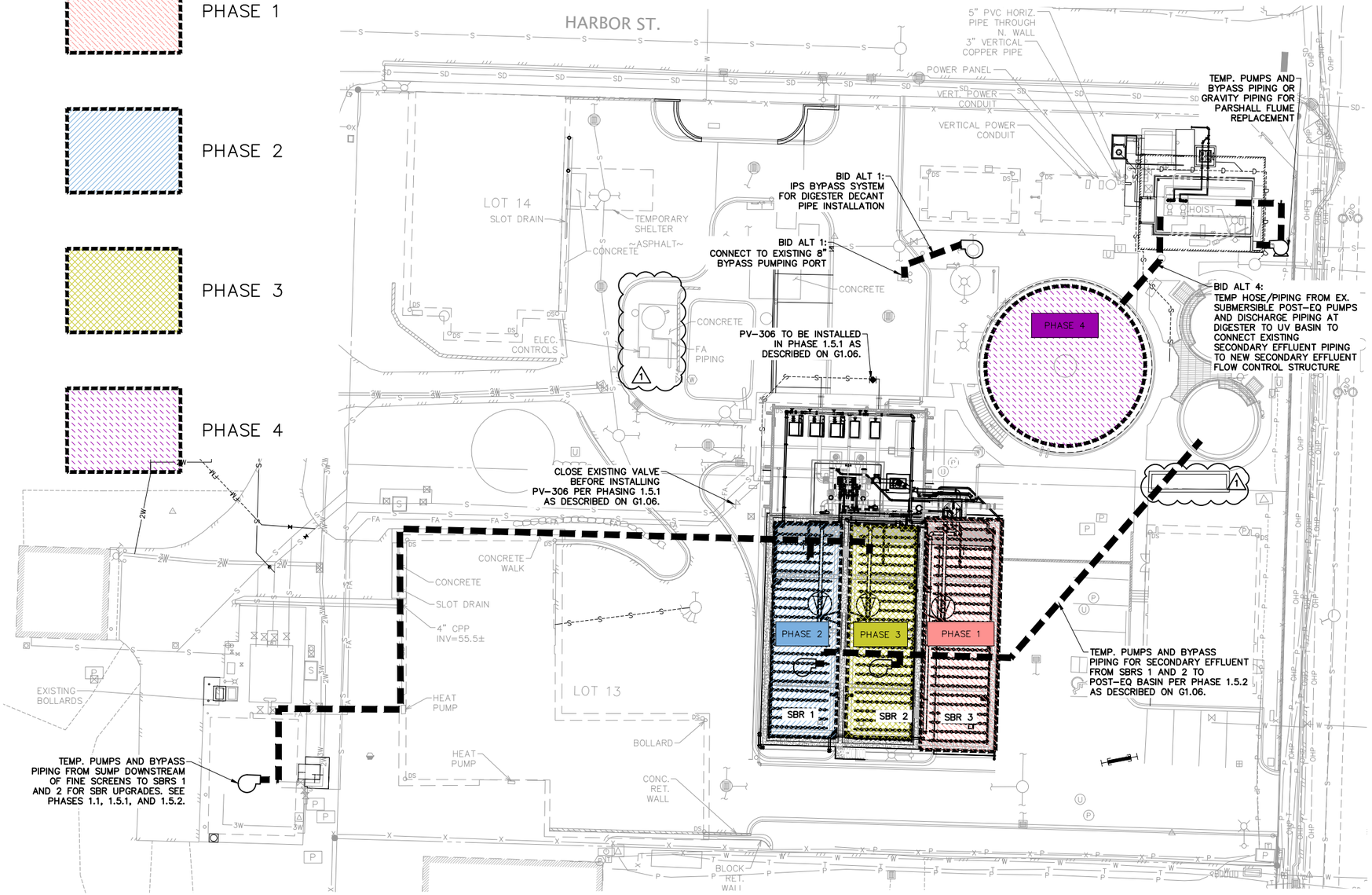
NO.	REVISIONS	BY	DATE
1	GENERATOR RELOCATION	MCS	3/5/26

PHASE 1

PHASE 2

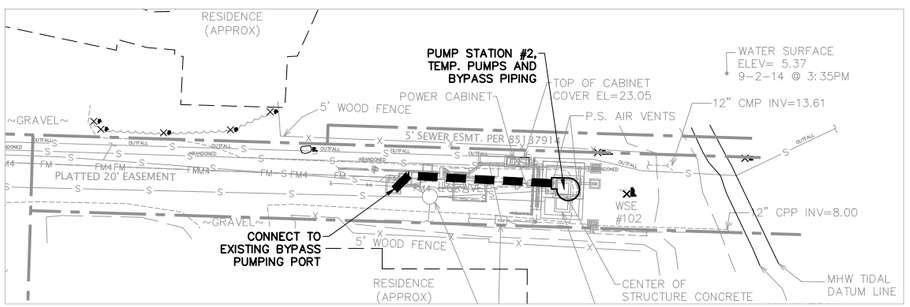
PHASE 3

PHASE 4



1 TREATMENT PLANT PHASING / TEMP. BYPASS

NOT TO SCALE



2 PUMP STATION 2 TEMP. BYPASS

NOT TO SCALE

NOTES:

1. THIS CONSTRUCTION SEQUENCE PLAN IS INTENDED TO ACT AS A GUIDE TO THE CONTRACTOR. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR PHASING CONSTRUCTION AND SUBMITTING A CONSTRUCTION SEQUENCE PLAN.
2. WORK NOT HIGHLIGHTED WITH A SPECIFIC PHASE IS CONSIDERED WORK THAT MAY HAPPEN AT ANY TIME UNDER NORMAL CONSTRUCTION PROGRESS.
3. CONTRACTOR SHALL PROVIDE A TWO WEEK MINIMUM NOTICE FOR ALL PLANT SHUTOFFS OR BYPASS OPERATIONS.
4. CONTRACTOR SHALL TEST ALL EQUIPMENT AND DEMONSTRATE TO THE OWNER THAT TEMPORARY EQUIPMENT IS WATER-TIGHT, FUNCTIONAL, AND HAS THE REQUIRED CAPACITY PRIOR TO PROCEEDING TO THE SUBSEQUENT PHASE.
5. CONTRACTOR SHALL DECOMMISSION AND REMOVE ALL TEMPORARY EQUIPMENT AND PIPING AFTER NEW FACILITIES ARE COMPLETE, TESTED, ACCEPTED, AND PLACED ON-LINE.
6. CONTRACTOR SHALL PROVIDE PLUGS AS NEEDED TO ISOLATE PUMPING AREAS AND MAINTAIN A DRY WORKING ENVIRONMENT.

N

SCALE 20 0 20 40 FEET HORIZONTAL SCALE

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CONSTRUCTION SET

WILSON ENGINEERING

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PRELIMINARY

DESIGNED BY	DRAWN BY	CHECKED BY
SJW	KWF	JCC

TOWN OF FRIDAY HARBOR, WA

FRIDAY HARBOR WASHINGTON

WASTEWATER TREATMENT PLANT IMPROVEMENTS

CONSTRUCTION SEQUENCING PLAN

DATE	SCALE	JOB NUMBER
6/04/2025	AS SHOWN	2020-048

SHEET G1.05

PAGE 09 OF 168

PLOT SETTINGS: WE AutoCAD PDF (High Quality Print).pc3, WE 11X17, Portrait, 1:2, WE APWA_SCREENED.ctb
W:\2020\2020-048 FRIDAY HARBOR WWTP DESIGN\1-VALUE ENGINEERING\DWG\RECORD DRAWING\AB_V2021_2020-048 G1.05-06 CONSTRUCTION SEQUENCE.DWG - 3/19/2026 3:29 PM - Kenna Wurden-Foster

NO.	REVISIONS	BY	DATE
1	GENERATOR RELOCATION	MCS	3/5/26

HARBOR ST.

McDONALD ST.

TUCKER AVE.

REMOVE EXISTING GATE AND REPLACE PER SHEET C4.01 AND E12.01

5" PVC HORIZ. PIPE THROUGH N. WALL

3" VERTICAL COPPER PIPE

POWER PANEL

VERT. POWER CONDUIT

VERTICAL POWER CONDUIT

SEE SHEET C1.16

SEE SHEET C1.15

BREAK ROOM

UTILITIES BUILDING

HOIST

DETENTION POND

BIOSOLIDS HANDLING BUILDING

SEE SHEETS C1.11 - C1.13

TEMPORARY SHELTER

~ASPHALT~

CONCRETE

ELEC. CONTROLS

SEE SHEET C1.17

SEE SHEET C1.05-C1.10

DIGESTER

SEE SHEET C1.14

BLOWER BLDG

DECANT BUILDING

EXISTING BOLLARDS

CONCRETE WALK

SLOT DRAIN

4" CPP INV=55.5±

HEAT PUMP

SHOP BUILDING

HEADWORKS BUILDING

BOLLARD

CONC. RET. WALL

BLOCK RET. WALL

OPERATIONS BUILDING

SEE SHEET C1.02-C1.04

KEYED NOTES

1. = REMOVE AND DISPOSE OF EXISTING TEMPORARY CONVEYOR SYSTEM AND ENTIRE SHED STRUCTURE. SEE CONST. SEQUENCING PLAN.
2. = SAWCUT
3. = REMOVE CURB & GUTTER AND ASSOCIATED LANDSCAPE AREA
4. = REMOVE CONCRETE RETAINING WALL.
5. = APPROXIMATE SAWCUT LINE
6. = REMOVE ASPHALT PAVEMENT AND CONCRETE AND LANDSCAPING
7. = NOT USED
8. = REMOVE SIDEWALK AND ASSOCIATED CURB AND GUTTER
9. = REMOVE RETAINING WALL & RAILING AS NEEDED FOR CONSTRUCTION OF SBR 3.
10. = REMOVE AND REPLACE LIGHT POLE PER ELECTRICAL.
11. = BID ALT 8: REMOVE ASPHALT & REPLACE BOLLARDS PER C6.01
12. = PROTECT EXISTING DUCT BANK (APPROX. LOCATION) THROUGHOUT CONSTRUCTION. CONTRACTOR RESPONSIBLE FOR VERIFYING THE EXACT LOCATION PRIOR TO EXCAVATION.
13. = EXCAVATE AREA AS NEEDED TO CONSTRUCT SBR BASIN 3 INCLUDING DEMOLITION OR PARTIAL DEMOLITION AND REPLACEMENT OF EXISTING UTILITIES AND STRUCTURES. PROVIDE TEMPORARY SUPPORT OR REMOVE AND REINSTALL OR PERMANENTLY REROUTE UNDERGROUND WATER, SEWER, AND STORM UTILITIES AS NEEDED TO ACCOMMODATE AN OPEN CUT EXCAVATION. ELECTRICAL DUCT BANK SHALL NOT BE DISTURBED AND MUST BE PROTECTED WITH SHORING IF OPEN CUT EXCAVATION IS NOT FEASIBLE. REPLACE BASE COURSE AND ASPHALT PER CIVIL DETAILS.
14. = REMOVE AND REPLACE STAIRS AS NEEDED TO CONSTRUCT SBR 3.

NOTES:

1. SEE SHEET C0.03 FOR EXISTING CONDITIONS.
2. ALL EXISTING PIPING AND UTILITIES IN CONFLICT WITH NEW IMPROVEMENTS SHALL BE REMOVED. EXISTING PIPING AND UTILITIES NOT IN CONFLICT WITH NEW IMPROVEMENTS SHALL BE ABANDONED IN PLACE UNLESS SPECIFICALLY NOTED TO BE REMOVED.
3. EXISTING SURFACES SUCH AS ASPHALT, CONCRETE, SIDEWALKS, CURB & GUTTER, GRASS, LANDSCAPING, AND GRAVEL, SHALL BE DEMOLISHED AS NEEDED FOR THE CONSTRUCTION OF IMPROVEMENTS. THOSE AREAS DEMOLISHED SHALL BE RESTORED AFTER INSTALLATION OF IMPROVEMENTS TO NEW CONDITION PER CIVIL DETAILS.
4. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL DEMO REQUIREMENTS.
5. SEE DEMO SPEC. FOR SALVAGE ITEMS.

20 0 20 40
SCALE HORIZONTAL SCALE FEET

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DESIGNED BY SJW | DRAWN BY KWF | CHECKED BY JCC

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
DEMOLITION PLAN

DATE 6/04/2025 | SCALE AS SHOWN | JOB NUMBER 2020-048

SHEET C1.01 | PAGE 16 OF 168

PLOT SETTINGS: WE AutoCAD PDF (High Quality Print).pc3, WE 11X17, Portrait, 1:2, WE APWA_ULTRA SCREEN.ctb
W:\2020\2020-048 FRIDAY HARBOR WWTP DESIGN\1-VALUE ENGINEERING\DWG\RECORD DRAWING\AB_V2021_2020-048 C1.01 DEMOLITION PLAN.DWG - 3/6/2026 10:14 AM - Matthew Strittmatter

NO.	REVISIONS	BY	DATE
1	GENERATOR RELOCATION	MCS	3/5/26

HOSE HANGER & SPIGOT

TEMPORARY SHELTER

~ASPHALT~

SSMH #2010

WSE #157

~GRASS~

APPROX. LOCATION OF EXISTING DIGESTED SLUDGE PIPING TO REMAIN.

APPROX. LOCATION OF EXISTING FOUL AIR PIPING FROM BIOSOLIDS HANDLING BUILDING TO REMAIN.

BLOCK WALL

REMOVE EXISTING CONCRETE PAD

CONCRETE

FA PIPING

ELEC. CONDUITS

WSE #153

APPROX. LOCATION OF EXISTING 3W PIPING. 3W PIPING TO REMAIN.

APPROX. LOCATION OF EXISTING 10" INFLUENT FOUL AIR PIPING FROM INFLUENT PUMP STATION TO REMAIN

APPROX. LOCATION OF EXISTING INFLUENT PIPING FROM IPS. INFLUENT PIPING TO REMAIN.

SSMH #2350

BLOCK BORDER

SDCB #2008

SSMH #2009

SDCB #2006

FOUL AIR EQUIPMENT

NOTES:

1. DEMO SHALL BE COORDINATED WITH ENGINEER AND OWNER AND PHASED APPROPRIATELY WITH STARTUP WITH NEW IMPROVEMENTS. DISRUPTION OF EXISTING PLANT OPERATIONS SHALL NOT occur.

DEMOLITION KEYED NOTES

1. = FOUL AIR SYSTEM TO REMAIN
2. = REMOVE EXISTING LAWN/LANDSCAPING.
3. = REMOVE EXISTING 6" THICK CONCRETE PAD.
4. = DEMOLISH EXISTING CURB AND GUTTER.

N

SCALE 4 0 4 8 FEET
HORIZONTAL SCALE

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CONSTRUCTION SET

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SCOTT JAMES WILSON — STATE OF WASHINGTON — 24893 — REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY	DRAWN BY	CHECKED BY
SJW	KWF	JCC

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
DEMOLITION PLAN – FOUL AIR SYSTEM

DATE	SCALE	JOB NUMBER
6/04/2025	AS SHOWN	2020-048

SHEET C1.17
PAGE 32 OF 168

PLOT SETTINGS: WE AutoCAD PDF (High Quality Print).pc3, WE 11X17, Portrait, 1:2, WE APWA_SCREENED.ctb
W:\2020\2020-048 FRIDAY HARBOR WWTP DESIGN\1-VALUE ENGINEERING\DWG\RECORD DRAWING\AB_V2021_2020-048 C1.17 DEMOLITION PLAN - PROPANE TANKS.DWG - 3/6/2026 10:01 AM - Matthew Strittmatter

NO.	REVISIONS	BY	DATE
1	GENERATOR RELOCATION	MCS	3/5/26

STAGING AREA PROVIDED BY TOWN, SEE SHEET C2.03 FOR MORE INFORMATION

HARBOR ST.

2W SYSTEM IMPROVEMENTS SEE SHEET M5.01

UV DISINFECTION AREA SEE SHEET M5.03 (INCLUDES: BID ALT 2 – UV AREA SHELTER BID ALT 4 – SECONDARY EFFLUENT FLOW CONTROL STRUCTURE) BID ALT 5 – 3W TRANSFER PUMP STATION)

BID ALT 1: DIGESTER IMPROVEMENTS SEE SHEET M4.01

3W SYSTEM IMPROVEMENTS SEE SHEET M5.02

BIOSOLIDS HANDLING IMPROVEMENTS SEE SHEET M3.01

BLOWER BUILDING IMPROVEMENTS SEE SHEET M6.01

SUPPORT EXISTING 16" SECONDARY EFFLUENT AND 6" WAS LINES DURING SBR 3 CONSTRUCTION.

PROTECT EXISTING DUCT BANK (APPROX. LOCATION) THROUGHOUT CONSTRUCTION. PROVIDE SHORING AS NEEDED IF OPEN CUT EXCAVATION IS NOT FEASIBLE. CONTRACTOR RESPONSIBLE FOR VERIFYING THE EXACT LOCATION PRIOR TO EXCAVATION.

SBR 3 FLOW CONTROL VAULT SEE M2.01

NEW GENERATOR SEE SHEET E2.01

REPLACE RETAINING WALL AND GUARDRAIL REMOVED DURING EXCAVATION OF SBR#3. SEE SHEET S2.01 AND DETAIL 4/S2.03.

IF NOT PROTECTED WITH SHORING, REPLACE STORM CATCH BASIN PER DETAILS ON C8.04 AND C8.06

SBR IMPROVEMENTS SEE M1.01

PROTECT EXISTING DUCT BANK (APPROX. LOCATION) THROUGHOUT CONSTRUCTION. PROVIDE SHORING AS NEEDED IF OPEN CUT EXCAVATION IS NOT FEASIBLE. CONTRACTOR RESPONSIBLE FOR VERIFYING THE EXACT LOCATION PRIOR TO EXCAVATION.

BID ALT 8: BLOWER ADDITION SEE SHEET C6.01

INSTALL ALKALINITY FEED SYSTEM IN HEADWORKS BUILDING PER SPECS. LOCATE PER OWNER. CHEMICAL DRUM AND CONTAINMENT PALLET WILL BE LOCATED OUTSIDE AND PUMP WILL BE LOCATED INSIDE BUILDING. PROVIDE SEALED PENETRATIONS FOR TUBING THROUGH BUILDING WALL AS NEEDED. PROVIDE LENGTH OF TUBING AS NEEDED TO REACH FROM CONTAINMENT DRUM TO PUMP AND TO HEADWORKS CHANNEL.

BID ALT 6: HEADWORKS BOOSTER PUMP STATION SEE SHEET M5.06

REMOVE EXISTING PIPING AS NEEDED FOR EXCAVATION OF SBR#3 DEPENDING ON CONTRACTORS EXCAVATION/SHORING METHODS. REPLACE PIPING PER SPECIFICATIONS, MATCHING EXISTING PIPE SIZE AND ALIGNMENT.

IF NOT PROTECTED WITH SHORING, REPLACE STORM CATCH BASIN PER DETAILS ON C8.04 AND C8.06

BID ALTERNATE SCHEDULE:

BID ALTERNATE 1 – DIGESTER IMPROVEMENTS – SEE SHEETS C1.05, C1.06, C1.09, C1.10, C1.14, M1.01, M2.05, M2.06, M4.01, M4.02, M7.01
BID ALTERNATE 2 – UV AREA SHELTER – SEE SHEET M5.03
BID ALTERNATE 3 – NOT USED
BID ALTERNATE 4 – SECONDARY EFFLUENT FLOW CONTROL STRUCTURE – SEE SHEETS C1.15, C7.02, M5.03, M5.04, M5.05 M7.01
BID ALTERNATE 5 – 3W TRANSFER PUMP STATION – SEE SHEETS C1.15, C7.02, C9.01, M5.03, M7.01
BID ALTERNATE 6 – HEADWORKS BOOSTER PUMP STATION – SEE SHEETS M5.06, M7.01
BID ALTERNATE 7 – NOT USED
BID ALTERNATE 8 – GRIT BASIN BLOWER – SEE SHEET C6.01, M7.01

SCALE 20 0 20 40 HORIZONTAL SCALE FEET

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SJW	KWF	JCC

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
OVERALL SITE PLAN

DATE	SCALE	JOB NUMBER
6/04/2025	AS SHOWN	2020-048

SHEET C3.01 PAGE 36 OF 168

PLOT SETTINGS: WE AutoCAD PDF (High Quality Print).pc3, ANSI full bleed B (11.00 x 17.00 inches), Landscape, 1:2, WE APWA_SCREENED.ctb
W:\2020\2020-048 FRIDAY HARBOR WWTP DESIGN\1-VALUE ENGINEERING\DWG\RECORD DRAWING\AB_V2021_2020-048 C3.01-C3.03 OVERALL SITE PLAN.DWG - 3/19/2026 12:28 PM - Kenna Wurden-Foster

NO.	REVISIONS	BY	DATE
1	GENERATOR RELOCATION	MCS	3/5/26

HARBOR ST.

McDONALD ST.

TUCKER AVE.

DETENTION POND

REMOVE & REPLACE GATE WITH MOTORIZED SLIDING GATE PER SPEC SECTION 32 31 13. GATE TO OPEN TO THE EAST.

MATCH EXIST.

MATCH EXIST.

MATCH EXIST.

MATCH EXIST.

BID ALT 4 SEE SHEET C7.02

BID ALT 8 SEE SHEET C6.01

BID ALT 6 SEE SHEET M5.06

45.5± MATCH

45.91± ASPH

45.71± ASPH

45.3± MATCH

NEW GENERATOR PAD PER SHEET E2.01. ELEVATION TO MATCH EX SIDEWALK.

52.25

52.52

54.71

55.33

EX. SDCB #2026
IF REMOVED FOR EXCAVATION, REPLACE AND MATCH RIM (51.79) AND INVERTS OF EXISTING PAVING EXTENTS TO BE DETERMINED BY EXCAVATION EXTENTS.

EX. SDMH #2022
IF REMOVED FOR EXCAVATION, REPLACE AND MATCH RIM (55.40) AND INVERTS OF EXISTING

INSTALL CHAINLINK FENCE PEDESTRIAN GATE IN SE CORNER OF FENCE ON EAST SIDE PER SPEC SECTION 32 31 13. RELOCATE PLANT SIGN AS NECESSARY. GATE SHALL MATCH EXISTING FENCING.

SDCB #2239
SDCB #2240
SDCB #2241
SDCB #2002
SDCB #2033
SDCB #2008
SDCB #2006
SDCB #2007
SDCB #2031
SDCB #2014
SDCB #2021
SDCB #1956
SDCB #18
SDCB #2353
SDMH #2352
SDCB #2350
SDCB #2376
SDCB #2377
SDCB #2346

POWER PANEL
VERT. POWER
VERTICAL POWER CONDUIT
5" PVC HORIZ. PIPE THROUGH N. WALL
3" VERTICAL COPPER PIPE
HOIST
TEMPORARY SHELTER
~ASPHALT~
CONCRETE
SLOT DRAIN
CONCRETE WALK
4" CPP INV=55.5±
HEAT PUMP
BOLLARD
CONC. RET. WALL
BLOCK RET. WALL
24"CMP IE=44.42'
12" CONC IE=54.38'
CONC IE=54.31'

KEYED NOTES

1. = APPROX. SAWCUT LINE PER DEMOLITION PLAN (C1.01)
2. = CURB & GUTTER PER (4/C8.01)
3. = PARKING STALL STRIPING PER (2/C8.04)
4. = GRADE AREA TO DRAIN. CREATE SMOOTH TRANSITIONS BETWEEN PROPOSED AND EXISTING SURFACES
5. = HARBOR STREET PLANTINGS: CONTRACTOR SHALL PLANT SCREENING SHRUBS AS NECESSARY TO ACHIEVE FULL SCREENING. APPROXIMATELY 45 PLANTS. CONTRACTOR SHALL SUBMIT PLANTING PLAN FOR APPROVAL.
6. = PLANTING AREA FOR ONE TREE PER LOCATE PER OWNER. (2/C8.06) (3/C8.06)
7. = REPLACE RETAINING WALL REMOVED DURING CONSTRUCTION OF SBR #3 PER (4/S2.03)
8. = GRADING TO MATCH EXISTING
9. = EXTEND RETAINING WALL PER STRUCTURAL TO MATCH NEW CONCRETE PAVING. REPLACE FENCE AS NEEDED, MATCHING EXISTING.
10. = REPLACE ANY DISTURBED SIDEWALK PER AND MATCH EXISTING ELEVATION. SLOPE TO DRAIN AWAY FROM BUILDING AND BASINS (5/C8.01)
11. = REPLACE RAILING REMOVED DURING CONSTRUCTION OF SBR #3. CONNECT TO EXISTING RAILING PER (1/C7.03)

PAVING LEGEND

= ASPHALT PER (2/C8.01)

= CONCRETE SIDEWALK PER (5/C8.01)

= HEAVY LOAD CONCRETE PAVEMENT PER (7/C8.01)

NOTES:

1) SEE SHEET C0.03 FOR EXISTING CONDITIONS.

2) RESTORE DISTURBED AREAS WITH SOIL QUALITY AND DEPTH PER ECOLOGY BMP T5.3 AND PLANT WITH HYDROSEED PER LANDSCAPING SPEC.

20 0 20 40
SCALE FEET
HORIZONTAL SCALE

Call 811 two business days before you dig

CONSTRUCTION SET

WILSON ENGINEERING
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SCOTT JAMES WILSON — STATE OF WASHINGTON — 44879 — REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY	DRAWN BY	CHECKED BY
RCW/SJW	JGS	JCC

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
PAVING & FENCING PLAN

DATE	SCALE	JOB NUMBER
6/04/2025	AS SHOWN	2020-048

SHEET C4.01
PAGE 37 OF 168

PLOT SETTINGS: WE AutoCAD PDF (High Quality Print).pc3, ANSI full bleed B (11.00 x 17.00 Inches), Landscape, 1:2, WE APWA_ULTRA SCREEN.ctb
W:\2020\2020-048 FRIDAY HARBOR WWTP DESIGN\1-VALUE ENGINEERING\DWG\RECORD DRAWING\AB_V2021_2020-048 C4.01 GRADING PLAN.DWG 3/20/2026 8:54 AM - Kenna Wurden-Foster

NO.	REVISIONS	BY	DATE
1	ADD EQ BASIN	STV	11/7/2025
2	ADD EQ BASIN VALVE VAULT	STV	12/15/2025
3	RELOCATE GENERATOR	STV	3/18/2026

K ENGINEERS INC.
208 Third Street
Lynden, WA. 98264
Bus. (360) 354-4757
FAX (360) 354-6794

STEVEN B. TEV
STATE OF WASHINGTON
21903
REGISTERED
3/8/2016
PROFESSIONAL ENGINEER

WILSON ENGINEERING
WILSONENGINEERING.COM

HARBOR ST.

McDONALD ST.

TUCKER AVE.

SEE E9 SERIES DRAWINGS
SEE E11 SERIES DRAWINGS
SEE E12 SERIES DRAWINGS
SEE E10 SERIES DRAWINGS
SEE E17 SERIES DRAWINGS
SEE E8 SERIES DRAWINGS
SEE E7 SERIES DRAWINGS
SEE E2 SERIES DRAWINGS
SEE E3 SERIES DRAWINGS
SEE E4 SERIES DRAWINGS
SEE E5 SERIES DRAWINGS
SEE E6 SERIES DRAWINGS

EQUALIZATION BASIN
BIOSOLIDS BUILDING
OPERATION ANNEX
WATER UTILITIES
UV DISINFECTION AREA
INFLUENT PUMP STATION
AEROBIC DIGESTER
POST-EQ 2 BASIN
POST-EQ 1 BASIN
3W STORAGE TANK
BLOWER BUILDING
SBR 1
SBR 2
SBR 3
OPERATION BUILDING
DECANT SHELTER
EXISTING SHOP BUILDING
EXISTING BOLLARDS
HEADWORKS BUILDING
OLD HEADWORKS
SOLAR SYSTEM

CONCRETE
CONCRETE
BIOFILTER FA PIPING
ELEC. CONTROLS

NORTH TO SOUTH
2" PVC (3→#1/0 AWG + 1 # 4 AWG GND) EQ BASIN POWER
2" PVC (C.O. SPARE)
1¼" PVC (DB6) EQ BASIN COMM.
1¼" PVC (C.O. SPARE)

EXISTING METER RACK
EXISTING METER RACK
EXISTING CENTURY LINK TELEPHONE PEDESTAL
EXISTING OPALCO PADMOUNT TRANSFORMER & VAULT (25 KVA, 240/120V, 1Ø)
EXISTING MAIL BOXES
EXISTING MOTORIZED GATE
EXISTING SITE LIGHT
EXISTING CENTURY LINK TELEPHONE PEDESTAL
EXISTING OPALCO PRIMARY SPLICE VAULT
EXISTING PLANTER

SCALE 20 0 20 40 FEET
HORIZONTAL SCALE

N

811 Call 811 two business days before you dig

ELECTRICAL – OVERALL SITE PLAN

CHANGE ORDER

DESIGNED BY STV | DRAWN BY KL | CHECKED BY STV

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON

WASTEWATER TREATMENT PLANT IMPROVEMENTS

ELECTRICAL – OVERALL SITE PLAN

DATE 2-28-2025 | SCALE AS SHOWN | JOB NUMBER 2149.10

SHEET E1.02 R3 | PAGE 89 OF 168

NORTH TO SOUTH
EXISTING 2" PVC (4-CABLES)
EXISTING 2" PVC (C.O, SPARE)
EXISTING 2" PVC (3-CABLES)
EXISTING 2" PVC (4-CABLES)
EXISTING 2" PVC (6-CABLES)
EXISTING 2" PVC (2-CABLES, PROVIDE NEW DB6) 3W COMM.
EXISTING 1" PVC (1-STRING)
EXISTING 2" PVC (3-CABLES)
EXISTING 2" PVC (PROVIDE NEW DB6) DIGESTER COMM.
EXISTING 2" PVC (3-CABLES)
EXISTING 2" PVC (4-CABLES)

CONTINUED ON DRAWING E5.03

NORTH TO SOUTH
EXISTING 1" PVC (3 * 250 OR 350 KCMIL + 1 * X)
EXISTING 4" PVC (C.O, SPARE)
EXISTING 1½" PVC (1-CABLE)
EXISTING 1½" PVC (1-CABLE)
EXISTING 1½" PVC (1-CABLE)
EXISTING 1½" PVC (C.O, SPARE)
EXISTING 1½" PVC (4-CABLES)
EXISTING 1½" PVC (C.O, SPARE)
EXISTING 4" PVC (3 * 500 KCMIL)
EXISTING 4" PVC (3 * 350 KCMIL)
EXISTING 1½" PVC (3-CABLES)
EXISTING 2" PVC (REMOVE 3 * 1 AWG + 1 * 8 AWG + GND) MCCC POWER & PROVIDE NEW 3 * 4/0 AWG + 1 * 4 AWG GND) HPE POWER
EXISTING 1" PVC (REMOVE 1-3/C * 8 AWG UV POWER)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1" PVC (4 * 12 AWG + 1 * 12 AWG GND)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1" PVC (6 * 10 AWG + 1 * 10 AWG GND)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1" PVC (6 * 10 AWG + 1 * 10 AWG GND)
EXISTING 1" PVC (4 * 12 AWG + 1 * 12 AWG GND)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1" PVC (2-CABLES + 1 * 10 AWG GND)
EXISTING 4" PVC (3 * 500 KCMIL + 1 * 2 AWG GND) GEN. FWR
EXISTING 4" PVC (3 * 500 KCMIL + 1 * 2 AWG GND) GEN. FWR
EXISTING 1" PVC (1-CABLE + 1 * 10 AWG GND)
EXISTING 2" PVC (PROVIDE NEW 3 * 4 AWG + 1 * 8 AWG GND) DIGESTER POWER
EXISTING 1½" PVC (3-CABLES)
EXISTING 2" PVC (3-CABLES + 1 * 10 AWG GND)
EXISTING 2" PVC (4-CABLES)
EXISTING 2" PVC (5-CABLES + 1 * 10 AWG GND)
EXISTING 4" PVC (3 * 350 KCMIL + 1 * 1/0 AWG GND) MCCB

EXISTING POWER VAULT MH01E

NORTH TO SOUTH
EXISTING 1½" PVC (3-CABLES + 1 * 8 AWG GND)
EXISTING 2" PVC (8 * 12 AWG & 2 * 12 AWG GND)
EXISTING 2" PVC (PROVIDE NEW 3 * 2/0 AWG + 1 * 4 AWG GND) EQ BASIN POWER
EXISTING 1½" PVC (C.O, SPARE)
EXISTING 1½" PVC (GATE, SITE LTG, CABLES)
EXISTING 1½" PVC (5 CABLES)
EXISTING 1½" PVC (C.O, SPARE)
EXISTING 2" PVC (PROVIDE NEW 3 * 4 AWG + 1 * 8 AWG GND) DIGESTER POWER
EXISTING 2" PVC (CABLES)
EXISTING 2" PVC (C.O, SPARE)
EXISTING 2" PVC (C.O, SPARE)
EXISTING 2" PVC (C.O, SPARE)
EXISTING 2" PVC (C.O, SPARE)

EXISTING 2" PVC (1-CABLES)
EXISTING 2" PVC (1-CABLE, PROVIDE NEW 2-DB6) 3W COMM. & DIGESTER COMM.
EXISTING 2" PVC (1-DB6) SHOP COMM.
EXISTING 2" PVC (5-CABLES)
EXISTING 2" PVC (4-CABLES)

EXISTING COMM. VAULT MH01E

TO OPERATIONS BUILDING

WEST TO EAST (DUCTBANK WITH CONCRETE CAP)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 2" PVC (4 * 12 AWG + 1 * 12 AWG GND)
EXISTING 2" PVC (PROVIDE NEW 3 * 2/0 AWG + 1 * 4 AWG GND) EQ BASIN POWER
EXISTING 2" PVC (4 * 2 AWG + 1 * 8 AWG GND) HEADWORKS
EXISTING 2" PVC (2-CABLES & 1 * 10 AWG GND)
EXISTING 1½" PVC (GATE, SITE LTG, CABLES)
EXISTING 2" PVC (1 * 3/0 AWG GND BARE)
EXISTING 4" PVC (C.O, SPARE)
EXISTING 4" PVC (* 250 KCMIL, AL) SOLAR

EXISTING 2" PVC (2-CABLES)
EXISTING 2" PVC (1-DB6) SHOP COMM.
EXISTING 2" PVC (6-CABLES)

EXISTING POWER VAULT MH05E

WEST TO EAST (DUCTBANK WITH CONCRETE CAP)
EXISTING 4" PVC (4 * 1 AWG + 1 * 8 AWG GND) HEADWORKS POWER
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1½" PVC (* 12'S)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1½" PVC (CABLES)
EXISTING 4" PVC (3 * 250 KCMIL, AL + 1 * 3 AWG, AL GND) SOLAR POWER
EXISTING 1½" PVC (CABLES)
EXISTING 2" PVC (2-CABLES + 1 * 12 AWG GND)
EXISTING 2" PVC (2-CABLES)
EXISTING 2" PVC (3-CABLES)
EXISTING 1½" PVC (GATE, SITE LTG, CABLES)
EXISTING 1½" PVC (C.O, SPARE)
EXISTING 1½" PVC (C.O, SPARE)
EXISTING 4" PVC (C.O, SPARE)
EXISTING 2" PVC (1-3/C * 1 AWG + 1 * 6 AWG GND) EX. SHOP POWER
EXISTING 2" PVC (PROVIDE NEW 3 * 2/0 AWG + 1 * 4 AWG GND) EQ BASIN POWER
EXISTING 2" PVC (C.O, SPARE)

EXISTING 1½" PVC (1-CABLE)
EXISTING 2" PVC (5 CABLES)
EXISTING 2" PVC (C.O, SPARE)
EXISTING 2" PVC (1-DB6) SHOP COMM.
EXISTING 2" PVC (2-CABLES)
EXISTING 2" PVC (C.O, SPARE)

CONTINUED ON DRAWING E6.01

ENGINE GENERATOR SET

CONCRETE PAD
(PER MANUFACTURER'S RECOMMENDATIONS, EXCEPT MINIMUM 10" THICK WITH #5 REBAR @ O.C. EACH WAY, 4'6" GRAVEL CSTC PER WSDOT 9-03.9 (3) BEDDING BELOW)

COORDINATE EXACT STUB-UP LOCATION WITH GENERATOR SUPPLIER. ⚠

CONTINUED ON DRAWING E1.01

FRONT

EXISTING OPALCO PADMOUNT TRANSFORMER

WEST TOP EAST
3" PVC (3 * 350 KCMIL + 1 * 1/0 AWG GND) GEN. FWR
3" PVC (3 * 350 KCMIL + 1 * 1/0 AWG GND) GEN. FWR
3" PVC (3 * 350 KCMIL + 1 * 1/0 AWG GND) GEN. FWR
¾" PVC (4 * 12 AWG + 1 * 12 AWG GND) GEN-ATS CONTROLS
1¼" PVC (24 * 14 AWG + 1 * 14 AWG GND)
1" PVC (2 * 10 AWG & 2 * 8 AWG + 1 * 8 AWG GND) BATT. BLK. HEAT

EXISTING PHOTOVOLTAIC SYSTEM METER BASE
EXISTING PHOTOVOLTAIC SYSTEM DISCONNECT SWITCH
EXISTING METER BASE

CORE DRILL WALL & PROVIDE CONDULETS

EXISTING AUTOMATIC TRANSFER SWITCH (REPLACE ALL INTERNAL COMPONENTS WITH NEW)

EXISTING PUMP STATION 2 CONTROL PANEL PNL-9230 (PUMP STATION IS LOCATED OFF SITE)

EXISTING MOTOR CONTROL CENTER MCC A (MODIFY AS REQUIRED FOR NEW WORK)

TEMPORARY 3-4" FLEX (EACH WITH 3 * 600 KCMIL + 1 * 1/0 AWG GND) FOR ATS REPLACEMENT

1¼" EMT (24 * 14 AWG + 1 * 14 AWG GND)
1" EMT (2 * 10 AWG & 2 * 8 AWG + 1 * 8 AWG GND)
LDA-8, 10, 12
APC-1

EXISTING TRANSFORMER XPA (WALL MOUNTED)
EXISTING PANEL LPA
EXISTING TRANSFORMER XPC (WALL MOUNTED)
EXISTING PANEL LPC
EXISTING TRANSFORMER XPB (WALL MOUNTED)
EXISTING PANEL LPB

EXISTING SECURITY ALARM PANEL SAP
EXISTING FIRE ALARM PANEL FAP
EXISTING MAIN TELECOM ENCLOSURE CC-1
EXISTING AREA CONTROL PANEL APC-1 (MODIFY AS REQUIRED FOR NEW WORK)
EXISTING TELEPHONE SYSTEM
EXISTING UPDB POWER SELECT PANEL
EXISTING UPS-1

TO OPERATIONS BUILDING

WEST TO EAST
EXISTING 2" PVC (6 * 14 AWG + 1 * 14 AWG GND) PUMP STAT. 2 CONTROLS
EXISTING 2" PVC (3 * 2/0 AWG + 1 * 6 AWG GND) PUMP STAT. 2 POWER
EXISTING 2" PVC (3 * 2/0 AWG + 1 * 1 AWG GND) PUMP STAT. 2 PUMP 1 POWER
EXISTING 2" PVC (3 * 2/0 AWG + 1 * 1 AWG GND) PUMP STAT. 2 PUMP 2 POWER
EXISTING 2" PVC (POWER CABLES)
EXISTING 2" PVC (POWER CABLES)
EXISTING 2" PVC (POWER CABLES)

EXISTING 2" PVC (CABLES, REMOVE EFFLUENT FLOW METER FIT 5601 CABLES)
EXISTING 2" PVC (1 CAMERA CABLE)
EXISTING 2" PVC (2 * 14 AWG + 1 * 14 AWG GND) PUMP STAT. 2 COMM.

ELECTRICAL – OPERATION BUILDING POWER & CONTROLS PLAN

SCALE HORIZONTAL SCALE FEET
4 0 4 8

811 Call 811 two business days before you dig

CHANGE ORDER

NO.	REVISIONS	BY	DATE
⚠	ADDENDUM 1	STV	5/9/2025
⚠	ADD EQ BASIN	STV	11/7/2025
⚠	UV IMPROVEMENTS	STV	1/5/2026
⚠	RELOCATE GENERATOR	STV	3/18/2026

K ENGINEERS INC.
208 Third Street
Lynden, WA. 98264
Bus. (360) 354-4757
FAX (360) 354-6794

STEVEN B. TEVIS — STATE OF WASHINGTON — 21903 — REGISTERED PROFESSIONAL ENGINEER — 3/18/2026

WILSON ENGINEERING
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TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR, WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
ELECTRICAL – OPERATION BUILDING POWER & CONTROLS PLAN

DATE 2-28-2025 | SCALE AS SHOWN | JOB NUMBER 2149.10

SHEET E2.01 R4 | PAGE 90 OF 168

NO.	REVISIONS	BY	DATE
1	ADDENDUM 1	STV	5/9/2025
2	UV IMPROVEMENTS & PER SBR SUBMITTAL	STV	1/5/2026
3	RELOCATE GENERATOR	STV	3/18/2026

K ENGINEERS INC.
208 Third Street
Lynden, WA. 98264
Bus. (360) 354-4757
FAX (360) 354-6794

STEVEN B. TEW
STATE OF WASHINGTON
21903
REGISTERED PROFESSIONAL ENGINEER
3/8/2026

WILSON ENGINEERING
WILSONENGINEERING.COM

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DRAWN BY KL
CHECKED BY STV

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
ELECTRICAL – SBR NORTH & BLOWER BLDG. POWER & CONTROLS PLAN

DATE 2-28-2025
SCALE AS SHOWN
JOB NUMBER 2149.10
SHEET E5.03 R3
PAGE 96 OF 168

SCALE HORIZONTAL SCALE 4 0 4 8 FEET

811 Call 811 two business days before you dig

CHANGE ORDER

NO.	REVISIONS	BY	DATE
1	ADDENDUM 1	STV	5/9/2025
2	UV IMPROVEMENTS & PER GENERATOR SUBMITTALS	STV	1/5/2026
3	RELOCATE GENERATOR	STV	3/18/2026

K ENGINEERS INC.
208 Third Street
Lynden, WA. 98264
Bus. (360) 354-4757
FAX (360) 354-6794

STEVEN B. TEVEBAUGH — STATE OF WASHINGTON — 21903 — REGISTERED PROFESSIONAL ENGINEER — 3/8/2026

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EXISTING POWER MAN HOLE MH01E

EXISTING COMM HAND HOLE MH01C

NORTH TO SOUTH
EXISTING 4" PVC (C.O, SPARE)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 2" PVC (C.O, SPARE)
EXISTING 2" PVC (C.O, SPARE)
EXISTING 2½" PVC (3 * 350 KCMIL + 1 * 3 AWG GND) BIOSOLIDS BLDG. POWER
EXISTING 2" PVC (C.O, SPARE)

EXISTING 2" PVC (4 CABLES)
EXISTING 2" PVC (6 CABLES)
EXISTING 1" PVC (C.O, SPARE)

CONTINUED ON DRAWING E9.01

CONTINUED ON DRAWING E101

CONTINUED ON DRAWING E101

NORTH TO SOUTH
EXISTING 2" PVC (C.O, SPARE)
EXISTING 2" PVC (PROVIDE NEW 3 * 4/0 AWG + 1 * 4 AWG GND) HPE POWER
EXISTING 2" PVC (C.O, SPARE)
EXISTING 1½" PVC (2-CABLES)
EXISTING ¾" PVC (1-CABLE)
EXISTING ¾" PVC (C.O, SPARE)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 2" PVC (C.O, SPARE)

EXISTING 2" (3-CABLES)
EXISTING ¾" PVC (3-CABLES)
EXISTING 1½" PVC (C.O, SPARE)
EXISTING 2" PVC (PROVIDE NEW DB6) 3W COMM.

EXISTING 1½" PVC (INFLUENT CONTROL CABLES)
EXISTING 1" PVC (INFLUENT L-HH-1110 CABLES)
EXISTING 1" PVC (INFLUENT AE-1100 CABLES)
EXISTING 1½" PVC (INFLUENT PUMP P-1110 CABLES)
EXISTING 1½" PVC (INFLUENT PUMP P-1120 CABLES)
EXISTING 1½" PVC (INFLUENT PUMP P-1130 CABLES)

EXISTING 1" PVC (LT-1110 CABLES)
EXISTING 2" PVC (C.O, SPARE)

STUB UP & CAP FOR FUTURE EV CHARGER

1½" PVC (C.O, SPARE)

GFI 24 HP 22

EXISTING ¾" PVC (C.O, SPARE)

1" PVC (4 * 12 AWG + 1 * 12 AWG GND)

STUB UP & CAP FOR FUTURE EV CHARGER

INTERCEPT EXISTING & EXTEND WITH NEW

STUB UP & CAP FOR FOR FUTURE USE

WEST TO EAST
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1" PVC (1-CABLE)
EXISTING 1½" PVC (3-CABLES + 1 SMALLER)
EXISTING 1½" PVC (3-CABLES & 3 * 6 AWG + 1 * 10 AWG GND)
EXISTING 1½" PVC (C.O, SPARE)
EXISTING 2" PVC (C.O, SPARE)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 2½" PVC (3 * 350 KCMIL + 1 * 3 AWG GND)
EXISTING 1½" PVC (1-CABLE)
EXISTING 2" PVC (C.O, SPARE)
EXISTING 1" PVC (2-CABLES + 1 * 12 AWG GND)
EXISTING 2" PVC (C.O, SPARE)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1½" PVC (1-CABLE)
EXISTING 1" PVC (C.O, SPARE)
EXISTING 1" PVC (1-CABLE)
EXISTING 1½" PVC (1-CABLE)
EXISTING 1" PVC (2-CABLES)
EXISTING 1½" PVC (2-CABLES)
EXISTING 2" PVC (1 * 2/0 AWG GND)
EXISTING 2" PVC (PROVIDE NEW 3 * 4/0 AWG + 1 * 4 AWG GND) HPE POWER
EXISTING 2" PVC (3-CABLES)
EXISTING 2½" PVC (C.O, SPARE)
EXISTING 1" PVC (1-CABLE)
EXISTING 1" PVC (1-CABLE)

EXISTING 2" PVC (3-CABLES)
EXISTING 2" PVC (PROVIDE NEW DB6) 3W COMM.
EXISTING 2" PVC (C.O, SPARE)
EXISTING 2" PVC (4-CABLES)
EXISTING 2" PVC (2-CABLES)
EXISTING 2" PVC (3-CABLES)
EXISTING 1" PVC (1-CABLE)
EXISTING ¾" PVC (C.O, SPARE)

EXISTING 1" PVC (C.O, SPARE)

EXISTING 2" PVC (4 * 12 AWG + 1 * 12 AWG GND)

CONTINUED ON DRAWING E10Ø

EXISTING 1" PVC (C.O, SPARE)

CONTINUED ON DRAWING E10Ø

EXISTING 1" PVC (C.O, SPARE)

HANDHOLE (SMALL ROUND HDPE TYPE, TYPICAL FOR 3)

STUB UP & CAP FOR FUTURE EV CHARGER

CUT & PATCH CONCRETE TO MATCH EXISTING

STUB UP & CAP FOR FOR FUTURE USE

CORE DRILL

CONTINUED ON DRAWING E5Ø2

CONTINUED ON DRAWING E5Ø3

4 0 4 8
SCALE: 1/4" = 1'-0" FEET

N

811 Call 811 Two business days before you dig

CHANGE ORDER

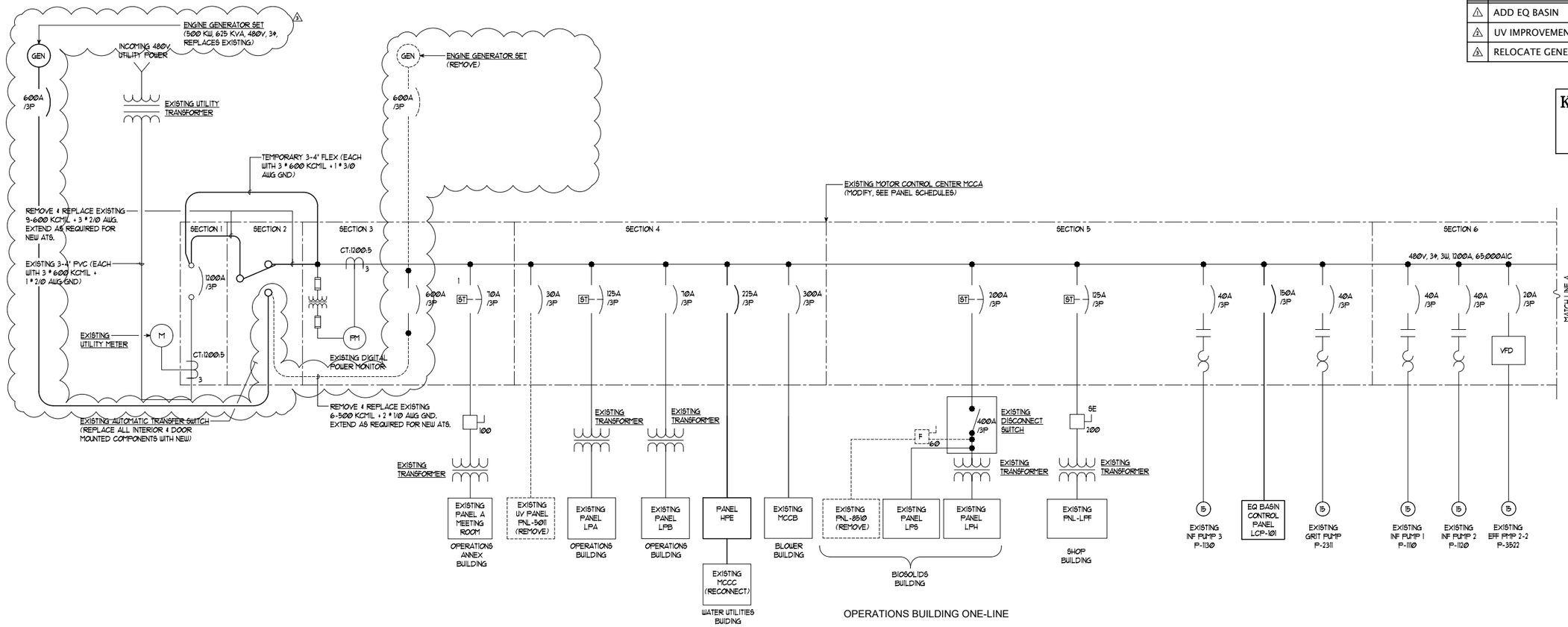
ELECTRICAL – BIOFILTER POWER & CONTROLS PLAN

DESIGNED BY STV
DRAWN BY KL
CHECKED BY STV

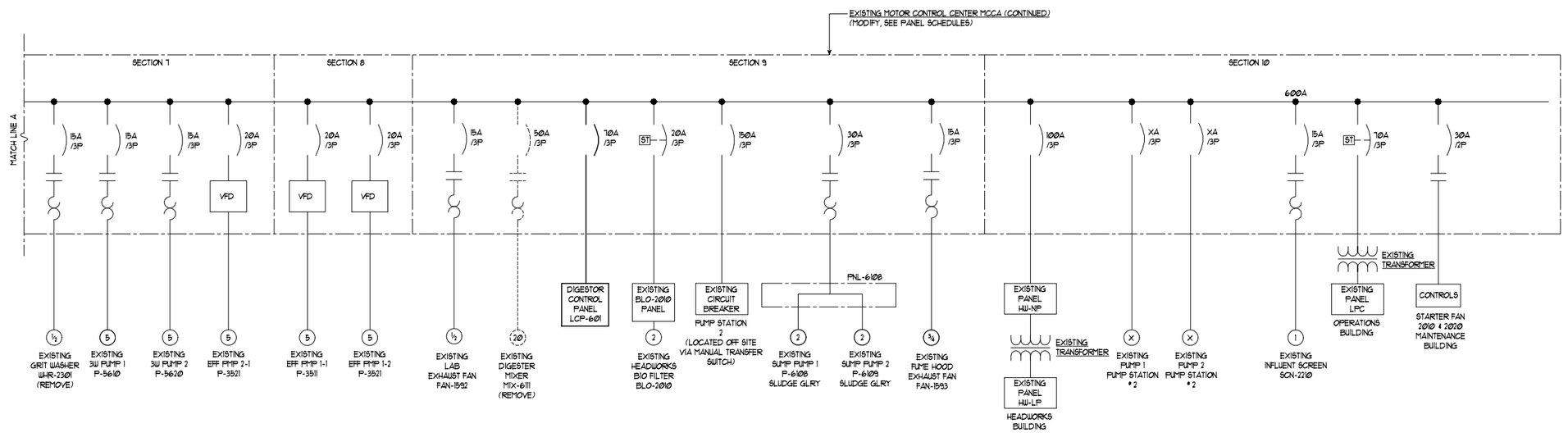
TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
ELECTRICAL – BIOFILTER POWER & CONTROLS PLAN

DATE 2-28-2025
SCALE AS SHOWN
JOB NUMBER 2149.10

SHEET E11.01 R3
PAGE 110 OF 168



OPERATIONS BUILDING ONE-LINE



OPERATIONS BUILDING ONE-LINE

ELECTRICAL – POWER SYSTEM ONE-LINE DIAGRAMS

CHANGE ORDER

NO.	REVISIONS	BY	DATE
1	ADD EQ BASIN	STV	11/7/2025
2	UV IMPROVEMENTS	STV	1/5/2026
3	RELOCATE GENERATOR	STV	3/18/2026

K ENGINEERS INC.
208 Third Street
Lynden, WA. 98264
Bus. (360) 354-4757
FAX (360) 354-6794

STEVEN B. TEVEBAUGH — STATE OF WASHINGTON — 17903 — REGISTERED PROFESSIONAL ENGINEER — 3/8/2016

WILSON ENGINEERING
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TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON

WASTEWATER TREATMENT PLANT IMPROVEMENTS

ELECTRICAL – POWER SYSTEM ONE-LINE DIAGRAMS

DATE 2-28-2025 | SCALE AS SHOWN | JOB NUMBER 2149.10

SHEET E15.01 R3 | PAGE 115 OF 168

NO.	REVISIONS	BY	DATE
1	ADD EQ BASIN	STV	11/7/2025
2	UV IMPROVEMENTS	STV	1/5/2026
3	RELOCATE GENERATOR	STV	3/18/2026

NEW ENGINE-GENERATOR SET (REPLACES EXISTING)

VOLTAGE: 480Y/277V, 3 PH, 4 W
RATING: 500 KW, 625 KVA
TYPE: DIESEL

ENCLOSURE: OUTDOOR, SOUND ATTENUATED

HEATER: ENGINE COOLANT (120V)

FUEL TANK: SUB-BASE, DOUBLE WALL
36 HOUR FULL LOAD RUNTIME
FUEL GAUGE

CONTROLS:
RUN-STOP-REMOTE SWITCH
COOLANT TEMP. GAUGE
FIELD CIRCUIT BREAKER
DC VOLTMETER
RUNNING TIME METER
OIL PRESSURE GAUGE
FAULT RESET SWITCH
CYCLE CRANKING
ENGINE FAULT & PRE-FAULT INDICATION PER NFPA 110
MAIN CIRCUIT BREAKER: 800A

EXTERIOR, NORTH OF BLOWER BUILDING

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting		1269.0	1269.0	1.25	1586.3
Gen. Purpose Outlets (First 10 KVA)		360.0	360.0	1.00	360.0
Gen. Purpose Outlets (Remainder)		0.0	0.0	0.50	0.0
Special Purpose Outlets		0.0	0.0	1.00	0.0
Mechanical Equipment		18562.9	18562.9	1.00	18562.9
Process Equipment		219123.0	219123.0	1.00	219123.0
Miscellaneous		4510.0	4510.0	1.00	4510.0
25% Largest Motor					0.0
Existing Max Load per Feb. 2020 OPALC	201777.8		201777.8	1.25	252222.2
Billing History = 181.6 KW @ 0.9 P.F. Meter # 147 651 262, See Note 1 Below.					
TOTAL LOAD	201777.8	243824.9	445602.6		496364.3
TOTAL AMPS	242.7	293.3	536.0		597.0

NOTES
(1) PEAK LOAD AS RECORDED BY OPALCO DEMAND METER FROM NOVEMBER, 2019 THROUGH DECEMBER 2021.

EXISTING AUTOMATIC TRANSFER SWITCH (REPLACE)

VOLTAGE: 480Y/277V, 3 PH, 4 W
RATING: 1200 AMPS, 3 POLE, 4 WIRE
APPLICATION: UTILITY TO GENERATOR
TYPE: ASCO, 7000 SERIES

ENCLOSURE: NEMA 1
MOUNTING: SURFACE

EXERCISER CLOCK
BATTERY CHARGER
MASTER NAMEPLATE

METERS (DOOR MOUNTED):
VOLTMETER
AMMETER
FREQUENCY METER
PHASE SELECTOR SWITCH

STATUS INDICATORS:
SOURCE 1 OK
SOURCE 2 OK
GENERATOR SET SIGNAL
TRANSFER TIMING
TRANSFER COMPLETE
RETRANSFER TIMING
TIMING FOR STOP

SEE NOTE #2 BELOW (2)

LOCATED INSIDE MCC A - OPERATIONS BUILDING

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting		1269.0	1269.0	1.25	1586.3
Gen. Purpose Outlets (First 10 KVA)		360.0	360.0	1.00	360.0
Gen. Purpose Outlets (Remainder)		0.0	0.0	0.50	0.0
Special Purpose Outlets		0.0	0.0	1.00	0.0
Mechanical Equipment		18562.9	18562.9	1.00	18562.9
Process Equipment		219123.0	219123.0	1.00	219123.0
Miscellaneous		4510.0	4510.0	1.00	4510.0
25% Largest Motor					0.0
Existing Max Load per Feb. 2020 OPALC	201777.8		201777.8	1.25	252222.2
Billing History = 181.6 KW @ 0.9 P.F. Meter # 147 651 262, See Note 1 Below.					
TOTAL LOAD	201777.8	243824.9	445602.6		496364.3
TOTAL AMPS	242.7	293.3	536.0		597.0

NOTES
(1) PEAK LOAD AS RECORDED BY OPALCO DEMAND METER FROM NOVEMBER, 2019 THROUGH DECEMBER 2021.
(2) REPLACE ALL INTERIOR AND DOOR MOUNTED COMPONENTS WITH NEW. THE EXISTING ATS IS ASCO, 7000 SERIES, SERIAL #: 214753-1 1200A BOM 735075, CATALOG #: H7ATSA31200N5X

EXISTING MOTOR CONTROL CENTER MCCA (MODIFY)

MCC ROOM - OPERATIONS BUILDING

VOLTAGE: 480V, 3 PH, 3 W
TYPE: NEMA STANDARD
ALLEN BRADLEY, 2100
S/N K BWYX42/7 M

ENCLOSURE: NEMA 1
MOUNTING: SURFACE/FLOOR
REAR ACCESS: NONE

STRUCTURE:
DEPTH: 20" WIDTH: 20"
SEPARATE WIREWAY DOORS: YES
BOTTOM PLATES REQUIRED: NO
FINISH: MANUFACTURER'S STANDARD

BUSSING:
MATERIAL: COPPER
HORIZONTAL BUS RATING: 1200A
VERTICAL BUSES RATING: 300A
NEUTRAL BUS RATING: NONE
HORIZONTAL GROUND BUS: 1"x 1/4"
VERTICAL GROUND BUS: NONE
SHORT CIRCUIT BRACING: 35,000A

MAIN: 600A, LUGS ONLY
LOCATION: BOTTOM, LEFT

UNITS:
WIRING: NEMA CLASS 1, TYPE B
TERM. BLOCKS TYPE: PULL-APART

FEEDERS: CIRCUIT BREAKERS

STARTERS & VFD'S: COMB. TYPE
STYLE: NEMA STANDARD
PROTECTION: CIRCUIT BREAKER

INTERRUPTING CAP: 35,000A
CONTROL VOLTAGE: 24VDC
CONTROL XFMR.: NONE
CONTROL CIRCUIT FUSE: YES
AUXILIARY CONTACTS: 2 N.O.
O/L RELAYS: THERMAL MAG
HEATERS BY: MANUFACTURER
DEVICES: "RUN" PILOT LIGHT

SPECIAL PROVISIONS:
MASTER NAMEPLATE
UNIT NAMEPLATES

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting		1269.0	1269.0	1.25	1586.3
Gen. Purpose Outlets (First 10 KVA)		360.0	360.0	1.00	360.0
Gen. Purpose Outlets (Remainder)		0.0	0.0	0.50	0.0
Special Purpose Outlets		0.0	0.0	1.00	0.0
Mechanical Equipment		18562.9	18562.9	1.00	18562.9
Process Equipment		219123.0	219123.0	1.00	219123.0
Miscellaneous		4510.0	4510.0	1.00	4510.0
25% Largest Motor					0.0
Existing Max Load per Feb. 2020 OPALC	201777.8		201777.8	1.25	252222.2
Billing History = 181.6 KW @ 0.9 P.F. Meter # 147 651 262, See Note 1 Below.					
TOTAL LOAD	201777.8	243824.9	445602.6		496364.3
TOTAL AMPS	242.7	293.3	536.0		597.0

MCC SPACE	EQUIP. NO.	DESCRIPTION	MOTOR HP	SF	FLA	LOAD KVA	CONN. LOAD (VA)	STARTER SIZE	STARTER TYPE	DISC. MEANS RATING	DISC. MEANS TYPE
1A		MAIN BREAKER									
2A		AUTOMATIC TRANSFER SWITCH (6)									
3A		PANEL A - OPERATIONS ANNEX BLDG.					1590.0	NONE	NONE	70/3	BREAKER
3C		POWER METER									
3E	EG-3700	SPARE (FORMERLY GEN. CKT. BREAKER) (3)					0.0	NONE	NONE	600/3	BREAKER
4A	PNL-5011	PANEL UV - UV SYSTEM					0.0	NONE	NONE	30/3	BREAKER
4C		PANEL LPA - OPERATIONS BUILDING					2620.0	NONE	NONE	125/3	BREAKER
4E		PANEL LPB - OPERATIONS BUILDING					0.0	NONE	NONE	70/3	BREAKER
4G		PANEL HPE - WATER UTILITIES BUILDING (4)					112998.2	NONE	NONE	225/3	BREAKER
4H		MCCB - BLOWER BUILDING					233873.2	NONE	NONE	300/3	BREAKER
5A		PANEL LPH - BIOSOLIDS BUILDING (5) (FORMERLY PANEL LPH & PANEL 8510 - BELT PRESS)					26792.5	NONE	NONE	200/3	BREAKER
5D		PANEL LPF - MAINTENANCE SHOP BUILDING					0.0	NONE	NONE	125/3	BREAKER
5F	P-1130	INFLUENT PUMP #3	15		21.0		16731.6	2	FVNR	30/3	INV BRKR
5H	P-2311	EQ BASIN (4)					0.0	NONE	NONE	150/3	INV BRKR
5J		SPACE									
6A	P-1110	INFLUENT PUMP #1	15		21.0		16731.6	2	FVNR	40/3	INV BRKR
6D	P-1120	INFLUENT PUMP #2	15		21.0		16731.6	2	FVNR	40/3	INV BRKR
6G	P-3522	EFLUENT PUMP 2-2	5		7.6		6055.2	0	VFD	20/3	INV BRKR
7A	WHR-2301	SPARE (ABANDONED GRIT WASHER) (2)					0.0	1	FVNR	15/3	INV BRKR
7C	P-5610	3W PUMP 1	5		7.6		6055.2	0	FVNR	15/3	INV BRKR
7E	P-5620	3W PUMP 2	5		7.6		6055.2	0	FVNR	15/3	INV BRKR
7G	P-3521	EFLUENT PUMP 2-1	5		7.6		6055.2	0	VFD	20/3	INV BRKR
8A	P-3511	EFLUENT PUMP 1-1	5		7.6		6055.2	0	VFD	20/3	INV BRKR
8G	P-3512	EFLUENT PUMP 1-2	5		7.6		6055.2	0	VFD	20/3	INV BRKR
9A	FAN-1592	LAB EXHAUST FAN					0.0	1	FVNR	3/3	INV BRKR
9C	MIX-6111	DIGESTER CONTROL PANEL LCP-601 (4) (FORMERLY DIGESTER MIXER)					38543.7	NONE	NONE	100/3	INV BRKR
9E	BLO-2010	BIO FILTER PANEL					0.0	NONE	NONE	20/3	BREAKER
9G		PUMP STATION 2 - LOCATED OFFSITE					0.0	NONE	NONE	150/3	BREAKER
9J	PNL-6108	PANEL 6108 SUMP PUMP 1&2 - SLUDGE GALLERY					5417.9	NONE	NONE	30/3	BREAKER
9L	1593	FUME HOOD EXHAUST FAN					15006.5	NONE	NONE	30/3	BREAKER
10A		PANEL HW-MP - HEADWORKS BUILDING					71768.3	NONE	NONE	100/3	BREAKER
10C 10E		PUMP STATION 2 - PUMP 1 PUMP STATION 2 - PUMP 2					0.0	NONE	NONE	300/3	BREAKER
10G	SCN-2210	SPARE (ABANDONED INFLUENT SCREEN) (2)					0.0	1	FVNR	3/3	INV BRKR
10J		PANEL LPC - OPERATIONS BUILDING					13142.2	NONE	NONE	70/3	BREAKER
10L		STARTER FAN 2010 & 2020 IN OLD SHOP					0.0	NONE	NONE	20/3	BREAKER

NOTES
(1) PEAK LOAD AS RECORDED BY OPALCO DEMAND METER FROM NOVEMBER, 2019 THROUGH DECEMBER 2021.
(2) REMOVE EXISTING ABANDONED WIRES, MAKE MCC BUCKET SPARE AND PROVIDE NEW LABEL.
(3) REMOVE EXISTING WIRES, MAKE MCC BUCKET SPARE AND PROVIDE NEW LABEL.
(4) REMOVE EXISTING CIRCUIT AND BUCKET/UNIT. PROVIDE NEW CIRCUIT AND NEW BUCKET/UNIT.
(5) REMOVE EXISTING LABEL AND PROVIDE UPDATED LABEL.
(6) REPLACE ALL ATS INTERIOR AND DOOR MOUNTED COMPONENTS WITH NEW. THE EXISTING ATS IS ASCO, 7000 SERIES, SERIAL #: 214753-1 1200A BOM 735075, CATALOG #: H7ATSA31200N5X

EXISTING TRANSFORMER XPA

MCC ROOM - OPERATIONS BUILDING

KVA: 75 PHASE: 3

PRIMARY: 480 DELTA
SECONDARY: 208Y/120
TAPS: 2 @ 2.5% FCAN
4 @ 2.5% FCBN

COOLING: OA

INSULATION: CLASS 220

TEMP. RISE: 150C (40C AMBIENT)

TYPE: DRY
ENCLOSURE: NEMA 1
MOUNTING: WALL

WINDINGS: MANUFACTURER'S STANDARD

SPECIAL PROVISIONS:
MASTER NAMEPLATE
VIBRATION ISOLATION PADS

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	0.0	0.0	0.0	1.25	0.0
Gen. Purpose Outlets (First 10 KVA)	0.0	0.0	0.0	1.00	0.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	0.0	0.0	0.0	1.00	0.0
Process Equipment	0.0	0.0	0.0	1.00	0.0
Miscellaneous	0.0	2620.0	2620.0	1.00	2620.0
25% Largest Motor					0.0
TOTAL LOAD	0.0	2620.0	2620.0		2620.0
TOTAL AMPS (PRIMARY)	0.0	3.2	3.2		3.2
TOTAL AMPS (SECONDARY)	0.0	7.3	7.3		7.3

EXISTING PANEL LPA

MCC ROOM - OPERATIONS BUILDING

VOLTAGE: 208Y/120V, 3 PH, 4 W
TYPE: PANELBOARD
SQUARE D, NQOD

ENCLOSURE: NEMA 1
MOUNTING: SURFACE

BUSSING: MANUFACTURER'S STANDARD
CONTINUOUS RATING: 200 A
FULL AIC RATING: 10,000 A
SERIES AIC RATING: NONE

MAIN: CIRCUIT BREAKER
CONTINUOUS RATING: 200 A
FULL AIC RATING: 10,000 A
SERIES AIC RATING: NONE
LOCATION: TOP

FEEDER/BRANCH CIRCUIT DEVICES:
BOLT-ON CIRCUIT BREAKERS
FULL AIC RATING: 10,000 A
SERIES AIC RATING: NONE

SPECIAL PROVISIONS:
MASTER NAMEPLATE
GROUND BAR
SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	0.0	0.0	0.0	1.25	0.0
Gen. Purpose Outlets (First 10 KVA)	0.0	0.0	0.0	1.00	0.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	0.0	0.0	0.0	1.00	0.0
Process Equipment	0.0	0.0	0.0	1.00	0.0
Miscellaneous	0.0	2620.0	2620.0	1.00	2620.0
25% Largest Motor					0.0
TOTAL LOAD	0.0	2620.0	2620.0		2620.0
TOTAL AMPS	0.0	7.3	7.3		7.3

CONN. LOAD (VA)	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	BKR AMP/P	CKT NO	BUS (PHASE)	CKT NO	BKR AMP/P	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	CONN. LOAD (VA)
			MAIN CIRCUIT BREAKER							
0.0	HALL/CLOSET RCP		20/1	1	A	2	20/1	OUTLETS - LAB SOUTH WALL		0.0
0.0	SALT MONITOR		20/1	3	B	4	20/1	OUTLETS - LAB SOUTH WALL		0.0
0.0	SPARE		20/1	5	C	6	20/1	OUTLETS - LAB SOUTH WALL		0.0
0.0	OUTLETS - OFFICE		20/1	7	A	8	20/1	GENERATOR BATTERY CHARGER	(1)	120.0
0.0	SPARE		20/1	9	B	10	20/2	GENERATOR BLOCK HEATER	(2)	1250.0
0.0	OUTLETS - INCUB		20/1	11	C	12	I			1250.0
0.0	REFRIGERATOR		20/1	13	A	14	20/1	DISHWASHER		0.0
0.0	SPARE		20/1	15	B	16	20/1	SPARE		0.0
0.0	SPARE		20/1	17	C	18	20/1	SPARE		0.0
0.0	LTG, FAN		20/1	19	A	20	20/1	SPARE		0.0
0.0	SPARE		20/1	21	B	22	20/1	OUTLETS - LAB ISLAND		0.0
0.0	OUTLETS - LAB EAST WALL		20/1	23	C	24	20/1	OUTLETS - LAB ISLAND		0.0
0.0	OUTLETS - LAB EAST WALL		20/1	25	A	26	20/1	OUTLETS - LAB ISLAND		0.0
0.0	OUTLETS - LAB EAST WALL		20/1	27	B	28	20/1	SPARE		0.0
0.0	OUTLETS - LAB DESK		20/1	29	C	30	20/1	OUTLETS - MCC ROOM		0.0
0.0	OUTLETS - LAB DESK		20/1	31	A	32	30/2	HOT WATER HEATER		0.0
0.0	LTG - MCC ROOM		20/1	33	B	34	I			0.0
0.0	LTG - LAB		20/1	35	C	36	20/1	LTG - SITE		0.0
0.0	LTG - OFFICE, HALL, BATH		20/1	37	A	38	20/1	LTG - SITE		0.0
0.0	LTG - EMERGENCY		20/1	39	B	40	20/1	LTG - SITE		0.0
0.0			SPACE	41	C	42	20/1	LTG - SITE		0.0

NOTES
(1) PROVIDE NEW CIRCUIT ON EXISTING SPARE CIRCUIT BREAKER.
(1) PROVIDE NEW CIRCUIT ON EXISTING SPARE CIRCUIT BREAKER.

CHANGE ORDER

K ENGINEERS INC.
208 Third Street
Lynden, WA. 98264
Bus. (360) 354-4757
FAX (360) 354-6794

STEVEN B. TEVIS — STATE OF WASHINGTON — 21903 — REGISTERED PROFESSIONAL ENGINEER — 3/8/2026

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TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
ELECTRICAL – PANEL SCHEDULES

DATE 2-28-2025 | SCALE AS SHOWN | JOB NUMBER 2149.10

SHEET E16.01 R3 | PAGE 118 OF 168

EXISTING MOTOR CONTROL CENTER MCCB (MODIFY) — BLOWER BUILDING

VOLTAGE: 480V, 3 PH, 3 W
TYPE: NEMA STANDARD, ALLEN BRADLEY, 2100 SN K BWYX42/4 M
ENCLOSURE: NEMA 1
MOUNTING: SURFACE/FLOOR
REAR ACCESS NONE

STRUCTURE: DEPTH: 20" WIDTH: 20"; SEPARATE WIREWAY DOORS: YES; BOTTOM PLATES REQUIRED: NO; FINISH: MANUFACTURER'S STANDARD

BUSSING: MATERIAL: COPPER; HORIZONTAL BUS RATING: 600A; VERTICAL BUSES RATING: 300A; NEUTRAL BUS RATING: NONE; HORIZONTAL GROUND BUS: 1"x 1/4"; VERTICAL GROUND BUS: NONE; SHORT CIRCUIT BRACING: 35,000A

MAIN: CIRCUIT BREAKER; CONTINUOUS RATING: 300 A; FULL AIC RATING: 35,000 A; SERIES AIC RATING: NONE; LOCATION: TOP LEFT

UNITS: WIRING: NEMA CLASS 1, TYPE B; TERM. BLOCKS TYPE: PULL-APART; FEEDERS: CIRCUIT BREAKERS; STARTERS & VFD'S: COMB. TYPE; STYLE: NEMA STANDARD; PROTECTION: CIRCUIT BREAKER; INTERRUPTING CAP: 35,000A; CONTROL VOLTAGE: 24VDC; CONTROL XFMR: NONE; CONTROL CIRCUIT FUSE: YES; AUXILIARY CONTACTS: 2 N.O.; O/L RELAYS: THERMAL MAG; HEATERS BY: MANUFACTURER; DEVICES: "RUN" PILOT LIGHT

SPECIAL PROVISIONS: MASTER NAMEPLATE; UNIT NAMEPLATES

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	756.0	624.0	1380.0	1.25	1725.0
Gen. Purpose Outlets (First 10 KVA)	2160.0	180.0	2340.0	1.00	2340.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	360.0	0.0	360.0	1.00	360.0
Mechanical Equipment	290.4	0.0	290.4	1.00	290.4
Process Equipment	128363.1	100389.7	228752.8	1.00	228752.8
Miscellaneous	300.0	450.0	750.0	1.00	750.0
25% Largest Motor					51788.3
TOTAL LOAD	132229.5	101643.7	233873.2		286006.5
TOTAL AMPS	159.0	122.3	281.3		344.0

MCC SPACE	EQUIP. NO.	DESCRIPTION	MOTOR HP	MOTOR SF	MOTOR FLA	LOAD KVA	CONN. LOAD (VA)	STARTER SIZE	STARTER TYPE	DISC. MEANS RATING	DISC. MEANS TYPE
1A		MAIN					0.0	NONE	NONE	300/3	BREAKER
1E		SBR VFD CONTROL PANEL LCP-300 (CPB) (2) (FORMERLY SBR CONTROL PANEL 3000)			195.0		155365.0	NONE	NONE	350/3	BREAKER
1G	2020	STARTER FAN					0.0	1	FVNR	15/3	INV BRKR
1J		SPACE									
1L		SPACE									
2A		DIGESTER BLOWER 1 (2, 3, 4) (FORMERLY AERATION BLOWER 4)	30		40.0		31869.7	3	FVNR	80/3	INV BRKR
2C		DIGESTER BLOWER 2 (2, 3, 4) (FORMERLY AERATION BLOWER 5)	30		40.0		31869.7	3	FVNR	80/3	INV BRKR
2E		SPARE (1) (FORMERLY SBR MOTIVE PUMP 1)					0.0	2	FVNR	70/3	INV BRKR
2G		SPARE (1) (FORMERLY SBR MOTIVE PUMP 2					0.0	2	FVNR	70/3	INV BRKR
2J		PANEL LPD (VIA XFMR XPD)					10944.4	NONE	FVNR	50/3	BREAKER
2L		SPACE									
3A	3921	EXHAUST FAN 3921 - ROOF	3		4.8		3824.4	NONE	NONE	20/3	BREAKER
3E		SPACE									
3G		SPACE									
3J		SPACE									
3L		SPACE									

NOTES
(1) REMOVE EXISTING WIRES, MAKE MCC BUCKET SPARE AND PROVIDE NEW LABEL.
(2) REMOVE EXISTING CIRCUIT AND BUCKET/UNIT & PROVIDE NEW CIRCUIT AND BUCKET/UNIT.
(3) INSTALL NEW VENDOR SUPPLIED KAISER RELAY, PROVIDE NEW INTERPOSING RELAY, AND CONNECT TO CONTROL SIGNAL FOR DIGESTER BLOWER OVERLOAD PROTECTION.
(4) CONNECT BLOWER COOLING FAN CONTROLS TO MOTOR STARTER AUXILARY CONTACT SO THAT COOLING FAN IS ON WHEN BLOWER IS ON AND TURNS OFF 15 MINUTES AFTER BLOWER TURNS OFF.

EXISTING TRANSFORMER XPD — BLOWER BUILDING

KVA: 15 PHASE: 3
PRIMARY: 480 DELTA
SECONDARY: 208Y/120V
TAPS: 2 @ 2.5% FCAN, 4 @ 2.5% FCBN
COOLING: OA
INSULATION: CLASS 220
TEMP. RISE: 150C (40C AMBIENT)

TYPE: DRY
ENCLOSURE: NEMA 1
MOUNTING: FLOOR
WINDINGS: MANUFACTURER'S STANDARD
SPECIAL PROVISIONS: MASTER NAMEPLATE

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	756.0	624.0	1380.0	1.25	1725.0
Gen. Purpose Outlets (First 10 KVA)	2160.0	180.0	2340.0	1.00	2340.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	360.0	0.0	360.0	1.00	360.0
Mechanical Equipment	290.4	0.0	290.4	1.00	290.4
Kitchen Equipment & Appliances	5824.0	0.0	5824.0	1.00	5824.0
Miscellaneous	300.0	450.0	750.0	1.00	750.0
25% Largest Motor					0.0
TOTAL LOAD	9690.4	1254.0	10944.4		11289.4
TOTAL AMPS (PRIMARY)	11.7	1.5	13.2		13.6
TOTAL AMPS (SECONDARY)	26.9	3.5	30.4		31.3

EXISTING PANEL LPD (MODIFY) — BLOWER BUILDING

VOLTAGE: 208Y/120V, 3 PH, 4 W
TYPE: PANELBOARD, SQUARE D, NQOD
ENCLOSURE: NEMA 1
MOUNTING: SURFACE

BUSSING: MANUFACTURER'S STANDARD; CONTINUOUS RATING: 100 A; FULL AIC RATING: 10,000 A; SERIES AIC RATING: NONE

MAIN: CIRCUIT BREAKER; CONTINUOUS RATING: 100 A; FULL AIC RATING: 10,000 A; SERIES AIC RATING: NONE; LOCATION: TOP

FEEDER/BRANCH CIRCUIT DEVICES: BOLT-ON CIRCUIT BREAKERS; FULL AIC RATING: 10,000 A; SERIES AIC RATING: 22,000 A

SPECIAL PROVISIONS: MASTER NAMEPLATE; GROUND BAR; PROVIDE HANDLE TIES FOR ALL MULTI-WIRE BRANCH CIRCUITS

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	756.0	624.0	1380.0	1.25	1725.0
Gen. Purpose Outlets (First 10 KVA)	2160.0	180.0	2340.0	1.00	2340.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	360.0	0.0	360.0	1.00	360.0
Mechanical Equipment	290.4	0.0	290.4	1.00	290.4
Process Equipment	5824.0	0.0	5824.0	1.00	5824.0
Miscellaneous	300.0	450.0	750.0	1.00	750.0
25% Largest Motor					0.0
TOTAL LOAD	9690.4	1254.0	10944.4		11289.4
TOTAL AMPS	26.9	3.5	30.4		31.3

CONN. LOAD (VA)	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	BKR AMP/P	CKT NO	BUS (PHASE)	CKT NO	BKR AMP/P	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	CONN. LOAD (VA)
	MAIN CIRCUIT BREAKER									
0.0	UNUSABLE SPACE		SPACE	1	A	2	20/1	OUTLETS - BLOWER ROOM		2160.0
0.0			|	3	B	4	20/1	SPARE (FORMERLY BLOWER 1 FAN)	(2)	0.0
0.0			|	5	C	6	20/1	SPARE (FORMERLY BLOWER 2 FAN)	(2)	0.0
0.0	MAIN BREAKER		100/3	7	A	8	20/1	SPARE (FORMERLY BLOWER 3 FAN)	(2)	0.0
0.0			|	9	B	10	20/1	SPARE (FORMERLY GEN. BATTERY CHARGER)	(2)	0.0
0.0			|	11	C	12	20/1	LTG - BLOWER BUILDING INTERIOR		756.0
180.0	DRUM RECEP		20/1	13	A	14	20/1	DIGESTER BLOWER 1 COOLING FAN	(3)	145.2
180.0	OUTLETS - FIBER		20/1	15	B	16	20/1	DIGESTER BLOWER 2 COOLING FAN	(3)	145.2
100.0	OUTLET - FILAMENT GROWTH SYSTEM	(1)	20/1	17	C	18	20/1	SPARE		0.0
50.0	PROBE CONTROLLERS - AERATION BASINS	(1)	20/1	19	A	20	20/1	FIRE ALARM		300.0
0.0	SPARE		20/1	21	B	22	20/1	LTG - BLOWER BUILDING EXTERIOR & SITE	(1)	624.0
0.0	SPARE		20/1	23	C	24	20/1	OUTLET - LIGHT POLE	(4)	180.0
300.0	OPERATOR INTERFACE PANEL OIT-302	(4)	20/1	25	A	26	SPACE			0.0
2912.0	SBR CONTROL PANEL CPA & CPB	(4)	40/2	27	B	28	SPACE			0.0
2912.0			|	29	C	30	SPACE			0.0

NOTES
(1) PROVIDE NEW CIRCUIT ON EXISTING SPARE CIRCUIT BREAKER.
(2) REMOVE EXISTING CIRCUIT AND MAKE CIRCUIT BREAKER SPARE.
(3) DISCONNECT EXISTING CIRCUIT, EXTEND CIRCUIT TO ROUTE THROUGH NEW TIME DELAY OFF TIMER & RECONNECT CIRCUIT.
(4) PROVIDE NEW CIRCUIT AND CIRCUIT BREAKER IN EXISTING SPACE.

NEW PANEL HPE — WATER UTILITIES BUILDING

VOLTAGE: 480V, 3 PH, 3 W
TYPE: PANELBOARD
ENCLOSURE: NEMA 1
MOUNTING: SURFACE

BUSSING: MANUFACTURER'S STANDARD; CONTINUOUS RATING: 225 A; FULL AIC RATING: 65,000 A; SERIES AIC RATING: NONE

MAIN: CIRCUIT BREAKER; CONTINUOUS RATING: 225 A; FULL AIC RATING: 65,000 A; SERIES AIC RATING: NONE; LOCATION: BOTTOM

FEEDER/BRANCH CIRCUIT DEVICES: BOLT-ON CIRCUIT BREAKERS; FULL AIC RATING: 14,000 A; SERIES AIC RATING: 65,000 A

SPECIAL PROVISIONS: MASTER NAMEPLATE; GROUND BAR; PROVIDE HANDLE TIES FOR ALL MULTI-WIRE BRANCH CIRCUITS

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	488.0	0.0	488.0	1.25	610.0
Gen. Purpose Outlets (First 10 KVA)	1800.0	0.0	1800.0	1.00	1800.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	7200.0	0.0	7200.0	1.00	7200.0
Process Equipment	56728.1	40515.1	97243.2	1.00	97243.2
Miscellaneous	6267.0	0.0	6267.0	1.00	6267.0
25% Largest Motor					2191.0
TOTAL LOAD	72483.1	40515.1	112998.2		115311.2
TOTAL AMPS	87.2	48.7	135.9		138.7

CONN. LOAD (VA)	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	BKR AMP/P	CKT NO	BUS (PHASE)	CKT NO	BKR AMP/P	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	CONN. LOAD (VA)
6096.8	UV POWER DISTRIBUTION CENTER PDC-1A		30/3	1	A	2	SPACE			0.0
6096.8			|	3	B	4	|			0.0
6096.8			|	5	C	6	|			0.0
6096.8	UV POWER DISTRIBUTION CENTER PDC-1B		30/3	7	A	8	SPACE			0.0
6096.8			|	9	B	10	|			0.0
6096.8			|	11	C	12	|			0.0
831.4	UV HYDRAULIC SYSTEMS CENTER HSC-1		15/3	13	A	14	SPACE			0.0
831.4			|	15	B	16	|			0.0
831.4			|	17	C	18	|			0.0
0.0			SPACE	19	A	20	SPACE			0.0
0.0			|	21	B	22	|			0.0
0.0			|	23	C	24	|			0.0
0.0			SPACE	25	A	26	SPACE			0.0
0.0			|	27	B	28	|			0.0
0.0			|	29	C	30	|			0.0
			SPACE	31	A	32	SPACE			0.0
0.0			|	33	B	34	|			0.0
0.0			|	35	C	36	|			0.0
24641.0	MCCC - LOCATED TO LEFT SIDE OF THIS PANEL		100/3	37	A	38	SPACE			0.0
24641.0			|	39	B	40	|			0.0
24641.0			|	41	C	42	|			0.0
	MAIN CIRCUIT BREAKER									

EXISTING MOTOR CONTROL CENTER MCCC (MODIFY & RECONNECT) — WATER UTILITIES BUILDING

VOLTAGE: 480V, 3 PH, 3 W
TYPE: NEMA STANDARD, ALLAN BRADLEY, CENTERLINE, 2100
ENCLOSURE: NEMA 1
MOUNTING: SURFACE/FLOOR
REAR ACCESS NONE

STRUCTURE: DEPTH: 20" WIDTH: 20"; SEPARATE WIREWAY DOORS: YES; BOTTOM PLATES REQUIRED: NO; FINISH: MANUFACTURER'S STANDARD

BUSSING: MATERIAL: COPPER; HORIZONTAL BUS RATING: 600A; VERTICAL BUSES RATING: 300A; NEUTRAL BUS RATING: NONE; HORIZONTAL GROUND BUS: 1"x 1/4"; VERTICAL GROUND BUS: NONE; SHORT CIRCUIT BRACING: 65,000A

MAIN: CIRCUIT BREAKER; CONTINUOUS RATING: 100 A; FULL AIC RATING: 65,000 A; SERIES AIC RATING: NONE; LOCATION: BOTTOM

UNITS: WIRING: NEMA CLASS 1, TYPE B; TERM. BLOCKS TYPE: PULL-APART; FEEDERS: CIRCUIT BREAKERS; STARTERS & VFD'S: COMB. TYPE; STYLE: NEMA STANDARD; PROTECTION: CIRCUIT BREAKER; INTERRUPTING CAP: 35,000A; CONTROL VOLTAGE: 24VDC; CONTROL XFMR: NONE; CONTROL CIRCUIT FUSE: YES; AUXILIARY CONTACTS: 2 N.O.; O/L RELAYS: THERMAL MAG; HEATERS BY: MANUFACTURER; DEVICES: "RUN" PILOT LIGHT

SPECIAL PROVISIONS: MASTER NAMEPLATE; UNIT NAMEPLATES

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	488.0	0.0	488.0	1.25	610.0
Gen. Purpose Outlets (First 10 KVA)	1800.0	0.0	1800.0	1.00	1800.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	7200.0	0.0	7200.0	1.00	7200.0
Process Equipment	56728.1	1440.0	58168.1	1.00	58168.1
Miscellaneous	6267.0	0.0	6267.0	1.00	6267.0
25% Largest Motor					2191.0
TOTAL LOAD	72483.1	1440.0	73923.1		76236.2
TOTAL AMPS	87.2	1.7	88.9		91.7

MCC SPACE	EQUIP. NO.	DESCRIPTION	MOTOR HP	MOTOR SF	MOTOR FLA	LOAD KVA	CONN. LOAD (VA)	STARTER SIZE	STARTER TYPE	DISC. MEANS RATING	DISC. MEANS TYPE
1A		SPARE (2) (FORMELRY 2W PUMP #1, P-1051					0.0	2	FVNR	40/3	BREAKER
1C		2W PUMP SKID (1) (FORMELRY 2W PUMP #2, P-1052)					33463.2	NONE	NONE	30/3	BREAKER
1E		PANEL LPE (VIA XFMR)					17195.0	NONE	NONE	30/3	BREAKER
1F		EFFLUENT DISC FILTER 01 (PANEL DCPI)					11154.4	NONE	NONE	30/3	BREAKER
1H		3W PUMP CONTROL PANEL LCP-501 (1) (FORMERLY PRIMARY 3W STRAINER)					12110.5	NONE	NONE	30/3	BREAKER
1J		MAIN BREAKER									

NOTES
(1) REMOVE EXISTING CIRCUIT AND BUCKET/UNIT. PROVIDE NEW CIRCUIT AND NEW BUCKET/UNIT.
(2) REMOVE EXISTING CIRCUIT AND MAKE BUCKET/UNIT SPARE.

EXISTING TRANSFORMER LPX — WATER UTILITIES BUILDING

KVA: 45 PHASE: 3
PRIMARY: 480 DELTA
SECONDARY: 208Y/120
TAPS: 2 @ 2.5% FCAN, 4 @ 2.5% FCBN
COOLING: OA
INSULATION: CLASS 220
TEMP. RISE: 150C (40C AMBIENT)

TYPE: DRY
ENCLOSURE: NEMA 1
MOUNTING: FLOOR
WINDINGS: MANUFACTURER'S STANDARD
SPECIAL PROVISIONS: MASTER NAMEPLATE

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	488.0	0.0	488.0	1.25	610.0
Gen. Purpose Outlets (First 10 KVA)	1800.0	0.0	1800.0	1.00	1800.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	7200.0	0.0	7200.0	1.00	7200.0
Kitchen Equipment & Appliances	0.0	1440.0	1440.0	1.00	1440.0
Miscellaneous	6267.0	0.0	6267.0	1.00	6267.0
25% Largest Motor					460.0
TOTAL LOAD	15755.0	1440.0	17195.0		17777.0
TOTAL AMPS (PRIMARY)	19.0	1.7	20.7		21.4
TOTAL AMPS (SECONDARY)	43.7	4.0	47.7		49.3

EXISTING PANEL LPE (MODIFY) — WATER UTILITIES BUILDING

VOLTAGE: 208Y/120V, 3 PH, 4 W
TYPE: PANELBOARD
ENCLOSURE: NEMA 1
MOUNTING: SURFACE

BUSSING: MANUFACTURER'S STANDARD; CONTINUOUS RATING: 225 A; FULL AIC RATING: 10,000 A; SERIES AIC RATING: NONE

MAIN: CIRCUIT BREAKER; CONTINUOUS RATING: 70 A; FULL AIC RATING: 10,000 A; SERIES AIC RATING: NONE; LOCATION: TOP RIGHT

FEEDER/BRANCH CIRCUIT DEVICES: BOLT-ON CIRCUIT BREAKERS; FULL AIC RATING: 10,000 A; SERIES AIC RATING: NONE

SPECIAL PROVISIONS: MASTER NAMEPLATE; GROUND BAR; SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	488.0	0.0	488.0	1.25	610.0
Gen. Purpose Outlets (First 10 KVA)	1800.0	0.0	1800.0	1.00	1800.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	7200.0	0.0	7200.0	1.00	7200.0
Kitchen Equipment & Appliances	0.0	1440.0	1440.0	1.00	1440.0
Miscellaneous	6267.0	0.0	6267.0	1.00	6267.0
25% Largest Motor					460.0
TOTAL LOAD	15755.0	1440.0	17195.0		17777.0
TOTAL AMPS	43.7	4.0	47.7		49.3

CONN. LOAD (VA)	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	BKR AMP/P	CKT NO	BUS (PHASE)	CKT NO	BKR AMP/P	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	CONN. LOAD (VA)
	MAIN CIRCUIT BREAKER									
0.0	BREAKER LOCATED ON RIGHT EXTENDS TO THIS SPACE			1	A	2	70/3	MAIN BREAKER		0.0
0.0				3	B	4	|			0.0
0.0				5	C	6	|			0.0
2500.0	HEAT		20/2	7	A	8	20/2	HEAT		2500.0
2500.0			|	9	B	10	|			2500.0
667.0	AIR 110		20/1	11	C	12	20/1	OUTLETS		540.0
964.0	LTG & OUTLETS - CHLORINE ROOM		20/1	13	A	14	20/1	LTG		244.0
360.0	CHLORINE PUMP		20/1	15	B	16	20/1	3W OUTLET/HEAT TAPE		300.0
180.0	OUTLET - EXTERIOR		20/2	17	C	18	30/2	AIR COMPRESSOR		920.0
180.0			|	19	A	20	|			920.0
180.0	OUTLET - EXTERIOR		20/1	21	B	22	20/1	UV SYSTEM CONTROL CENTER SCC-1	(1)	1440.0
0.0	SPARE		20/1	23	C	24	SPACE			0.0
300.0	3W HEAT TRACE		20/1	25	A	26	SPACE			0.0
0.0			SPACE	27	B	28	SPACE			0.0
0.0			SPACE	29	C	30	SPACE			0.0

NOTES
(1) PROVIDE NEW CIRCUIT AND CIRCUIT BREAKER IN EXISTING SPACE

EXISTING PANEL A (MODIFY) — OPERATIONS ANNEX BUILDING

VOLTAGE: 208Y/120V, 3 PH, 4 W
TYPE: LOAD CENTER, SQAURE D, NQOE 24428
ENCLOSURE: NEMA 1
MOUNTING: SURFACE

BUSSING: MANUFACTURER'S STANDARD; CONTINUOUS RATING: 100 A; FULL AIC RATING: 10,000 A; SERIES AIC RATING: NONE

MAIN: CIRCUIT BREAKER; CONTINUOUS RATING: 100 A; FULL AIC RATING: 10,000 A; SERIES AIC RATING: NONE; LOCATION: TOP

FEEDER/BRANCH CIRCUIT DEVICES: BOLT-ON CIRCUIT BREAKERS; FULL AIC RATING: 200 A; SERIES AIC RATING: 10,000 A

SPECIAL PROVISIONS: MASTER NAMEPLATE; GROUND BAR; PROVIDE HANDLE TIES FOR ALL MULTI-WIRE BRANCH CIRCUITS

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	0.0	0.0	0.0	1.25	0.0
Gen. Purpose Outlets (First 10 KVA)	0.0	0.0	0.0	1.00	0.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	0.0	0.0	0.0	1.00	0.0
Mechanical Equipment	0.0	150.0	150.0	1.00	150.0
Kitchen Equipment & Appliances	0.0	0.0	0.0	1.00	0.0
Miscellaneous	0.0	1440.0	1440.0	1.00	1440.0
25% Largest Motor					0.0
TOTAL LOAD	0.0	1590.0	1590.0		1590.0
TOTAL AMPS	0.0	4.4	4.4		4.4

CONN. LOAD (VA)	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	BKR AMP/P	CKT NO	BUS (PHASE)	CKT NO	BKR AMP/P	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	CONN. LOAD (VA)
0.0	SPARE		30/2	1	A	2	30/2	HOT WATER HEATER		0.0
0.0			|	3	B	4	|			0.0
0.0	HOT PLATE		20/2	5	C	6	20/2	HEATING - LAB AND BATH		0.0
0.0			|	7	A	8	|			0.0
0.0	OUTLETS - WEST WALL		20/1	9	B	10	20/1	LTG - LAB, OUTSIDE		0.0
0.0	GFI		20/1	11	C	12	20/1	LTG - BATH, FANS		0.0
0.0	NORTH WALL		20/1	13	A	14	20/1	OUTLETS - DESK, BATH		0.0
1440.0	MOTORIZED GATE - NORTH ENTRANCE	(1)	20/1	15	B	16	SPACE			0.0
150.0	HOT BOX OUTLET - NEAR NORTH GATE	(1)	20/1	17	C	18	SPACE			0.0
0.0			SPACE	19	A	20	SPACE			0.0
0.0			SPACE	21	B	22	SPACE			0.0
0.0			SPACE	23	C	24	SPACE			0.0
	MAIN CIRCUIT BREAKER									

NOTES
(1) PROVIDE NEW CIRCUIT & CIRCUIT BREAKER IN EXISTING SPACE.

EXISTING DISCONNECT SWITCH (MODIFY) — BIOSOLIDS BUILDING

VOLTAGE: 480Y/277V, 3 PH, 4 W
SWITCH TYPE: HEAVY DUTY, FUSIBLE
FUSE TYPE: DUAL ELEMENT, CLASS RK5
ENCLOSURE: NEMA 3R
MOUNTING: SURFACE
SWITCH RATING: 400 A
FUSES RATING: 250 A

SPECIAL PROVISIONS: NAMEPLATE; GROUND BAR; SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT

ELECTRICAL LOAD CALCULATION	CONN. LOAD (VA) EXIST.	NEW	TOTAL	DEMAND FACTOR	DEMAND LOAD (VA)
Lighting	1600.0	645.0	2245.0	1.25	2806.3
Gen. Purpose Outlets (First 10 KVA)	1800.0	0.0	1800.0	1.00	1800.0
Gen. Purpose Outlets (Remainder)	0.0	0.0	0.0	0.50	0.0
Special Purpose Outlets	540.0	0.0	540.0	1.00	540.0
Mechanical Equipment	7705.2	0.0	7705.2	1.00	7705.2
Kitchen Equipment & Appliances	42057.9	5344.3	47402.2	1.00	47402.2
Miscellaneous	11770.8	0.0	11770.8	1.00	11770.8
25% Largest Motor					4182.9
TOTAL LOAD	65473.9	5989.3	71463.2		76207.4
TOTAL AMPS	78.8	7.2	86.0		91.7

NOTES
(1) REMOVE EXISTING CONVEYOR, DIGESTER SLUDGE, DRYER TAPS FROM SECONDARY SIDE AS INDICATED ON PLANS.

CHANGE ORDER

NO.	REVISIONS	BY	DATE
1	ADDENDUM 1	STV	5/9/2025
2	UV IMPROVEMENTS	STV	1/5/2026
3	RELOCATE GENERATOR	STV	3/18/2026

K ENGINEERS INC.
208 Third Street
Lynden, WA. 98264
Bus. (360) 354-4757
FAX (360) 354-6794

STEVEN B. TEVIS — STATE OF WASHINGTON — 21903 — REGISTERED PROFESSIONAL ENGINEER — 3/8/2026

WILSON ENGINEERING — WILSONENGINEERING.COM

DESIGNED BY STV | DRAWN BY KL | CHECKED BY STV

TOWN OF FRIDAY HARBOR, WA
FRIDAY HARBOR WASHINGTON
WASTEWATER TREATMENT PLANT IMPROVEMENTS
ELECTRICAL – PANEL SCHEDULES

DATE 2-28-2025 | SCALE AS SHOWN | JOB NUMBER 2149.10

SHEET E16.03 R3 | PAGE 120 OF 168

WILSON ENGINEERING

Kenna Wurden-Foster <kwurdenfoster@wilsonengineering.com>

Friday Harbor WWTP - Generator relocation and resizing

Kenna Wurden-Foster <kwurdenfoster@wilsonengineering.com> Fri, Mar 20, 2026 at 8:55 AM
To: Chris Hart <Chris@bossconstruction.biz>, Scott Wilson <swilson@wilsonengineering.com>, Michelle Fox <Michelle@bossconstruction.biz>, Julie Hart <julie@bossconstruction.biz>

Hi Chris,

I have attached drawings showing the generator relocation and resizing. In addition, there are a couple amendments to the specifications for this work:

CHANGES TO THE SPECIFICATIONS:

SECTION 26 32 13 – ENGINE GENERATOR AND AUTOMATIC TRANSFER SWITCH

- **CHANGE PARAGRAPH 2.03, A Engine Generator Set** to remove Kohler 350REOZJD and change to Kohler 500REOZJD.
- **CHANGE PARAGRAPH 2.03, H Fuel Tank, 5 Capacity** to remove 24hr full load runtime and change to 36hr full load runtime.

Could you please prepare a change order proposal for this work? Let us know if you have any questions.

Thank you!

Kenna Wurden-Foster, PE
P 360.733.6100 **D** 360.312.3148
805 Dupont Street, Suite 7, Bellingham, WA 98225
www.wilsonengineering.com

AB_V2021_2020-048 Gen Relocation Sheets.pdf
11658K

WILSON ENGINEERING

Kenna Wurden-Foster <kwurdenfoster@wilsonengineering.com>

Friday Harbor WWTP

3 messages

Chris Hart <Chris@bossconstruction.biz> Thu, May 7, 2026 at 4:07 PM
To: "Scott Wilson (swilson@wilsonengineering.com)" <swilson@wilsonengineering.com>, Kenna Wurden-Foster <kwurdenfoster@wilsonengineering.com>

Scott,

As you're aware, we have recently submitted change proposals to replace the existing UV system as well as moving and upsizing the facilities temporary generator. We do need to request additional contract time for this work. Both changes will require a project extension to May 31, 2027. This date is required regardless of whether one or both changes are accepted.

Regards,

Chris Hart

Kenna Wurden-Foster <kwurdenfoster@wilsonengineering.com> Thu, May 7, 2026 at 4:12 PM
To: Chris Hart <Chris@bossconstruction.biz>
Cc: "Scott Wilson (swilson@wilsonengineering.com)" <swilson@wilsonengineering.com>

Hi Chris,

Would May 31, 2027 need to be the new substantial completion date? Or the new final completion? Right now substantial completion is by 3-26-2027, and final completion is by 05-08-2027. We'd be looking at an additional 66 days to bring substantial completion to 5-31-2027, or an additional 23 days to bring final completion to 5-31-2027.

Kenna Wurden-Foster, PE
P 360.733.6100 **D** 360.312.3148
805 Dupont Street, Suite 7, Bellingham, WA 98225
www.wilsonengineering.com

[Quoted text hidden]

Chris Hart <Chris@bossconstruction.biz> Thu, May 7, 2026 at 4:36 PM
To: Kenna Wurden-Foster <kwurdenfoster@wilsonengineering.com>
Cc: "Scott Wilson (swilson@wilsonengineering.com)" <swilson@wilsonengineering.com>

Substantial.

[Quoted text hidden]

RESOLUTION NO. 3027

A RESOLUTION BY THE COUNCIL OF THE TOWN OF FRIDAY HARBOR AUTHORIZING THE MAYOR TO EXECUTE A CONSULTANT AGREEMENT WITH HEATHER LEE TO PROVIDE A COMPREHENSIVE OPERATIONAL ASSESSMENT FOR THE FINANCE DEPARTMENT.

WHEREAS, the Town has a need for a comprehensive operational assessment of the Finance Department; and

WHEREAS, the Town desires to contract with the Consultant to provide said support services for Town of Friday Harbor's Finance Department as described in Exhibit A to increase operational efficiencies, identify operational risks, and strengthen accountability and resiliency; and

WHEREAS, the Town desires to have the Consultant perform such services pursuant to certain terms and conditions; and

WHEREAS, Heather Lee has offered to perform said services; and

NOW, THEREFORE, BE IT RESOLVED by the Council of the Town of Friday Harbor that the Mayor is authorized to execute a consultant agreement with Heather Lee for a comprehensive operational assessment of the Town of Friday Harbor's Finance Department.

Said contract is attached hereto.
Said scope and services are attached hereto as Exhibit A.

DULY PASSED AND ADOPTED this 4th day of June, 2026.

TOWN OF FRIDAY HARBOR

_____
Evan Perrollaz, Mayor

SEAL of the
Town of Friday Harbor
ATTEST:

_____
Jennifer M. Krembs, Town Clerk

Docusign Envelope ID: 826029A5-BFD4-8523-8390-6B9DD1DA0EC7

AGREEMENT FOR PROFESSIONAL SERVICES BETWEEN THE TOWN OF FRIDAY HARBOR AND CONSULTANT HEATHER LEE

THIS AGREEMENT is made this 4th day of June, 2026, between the Town of Friday Harbor, (hereinafter the "Town") and Heather Lee (hereinafter "Consultant").

WHEREAS, Consultant is in the business of providing certain professional consulting services specified herein, and

WHEREAS, the Town desires to contract with Consultant for the provision of such services and Consultant agrees to contract with the Town for same;

NOW, THEREFORE, in consideration of the mutual promises set forth herein, it is agreed between the parties as follows:

TERMS

I. **Description of Work.** Consultant shall perform work as described in Exhibit A, "Scope of Work," which is attached hereto and incorporated herein by reference, according to the existing standard of care for such services. Consultant shall not perform any additional services without the express permission of the Town.

II. **Payment.**

A. The Town shall pay Consultant for time and materials as set forth in Exhibit A for the services described in this Agreement.

B. Consultant shall submit payment invoice to the Town after such services have been performed, and the Town shall make payment within thirty (30) days after the submittal of the approved invoice. Such invoice shall detail the work, and a description of the tasks performed.

C. If the Town objects to all or any portion of any invoice, it shall so notify Consultant of the same within five (5) days from the date of receipt and shall pay that portion of the invoice not in dispute. The parties shall immediately make every effort to settle the disputed portion.

III. **Relationship of Parties.** The parties intend that an independent contractor/client relationship will be created by this Agreement. The Consultant is customarily engaged in an independently established trade which encompasses the specific service provided to the Town hereunder; no agent or representative of Consultant shall be or shall be deemed to be the agent or representative of the Town. None of the benefits provided by the Town to its employees, including, but not limited to, compensation, insurance and unemployment insurance, are available to the Consultant or their agents or representatives. Consultant will be solely and entirely responsible for their acts and for the acts of Consultant's agents or representatives during

Docusign Envelope ID: 826029A5-BFD4-8523-8390-6B9DD1DA0EC7

the performance of this Agreement. The Consultant shall not employ another to perform work under this Agreement and is expressly prohibited from subcontracting any portion of the work to be performed under this Agreement.

IV. **Term; Termination.** This term of this Agreement shall be from June 15, 2026, until completion of the work as defined in the scope of work, or until December 31, 2026, whichever occurs first, unless the Agreement is sooner terminated by the Town. The Town reserves the right to terminate this Agreement for any reason. Upon termination, Consultant shall be paid for all services rendered to the date of termination.

V. **Discrimination.** Consultant, or any person acting on behalf of Consultant, in performing work under this Agreement shall not, by reason of race, religion, color, sex, national origin or the presence of any sensory, mental, or physical handicap discriminate against any person.

VI. **Indemnification**. Consultant hereby releases, covenants not to bring suit, and agrees to indemnify, defend, and hold harmless the Town, its officers, officials, employees, agents and representatives from any and all claims, costs, judgments, losses or suits including attorneys' fees, awards, or liabilities to any person, arising out of or in connection with the Consultant's negligent performance of this Agreement, except for injuries and damages caused by the sole negligence of the Town.

In the event of liability for any reason described above which is caused by or results from the concurrent negligence of the Consultant or their representatives and the Town, or its officers, officials, employees, agents or representatives, each party's liability shall only be to the extent of its negligence. Such indemnification obligations shall extend to claims which are not reduced to a suit and any claims which may be compromised prior to the culmination of any litigation or the institution of any litigation.

The Town's acceptance of any of Consultant's work when completed shall not be grounds to avoid any of these covenants of indemnification. It is further specifically and expressly understood that the indemnification provided herein constitutes Consultant's waiver of immunity under Title 51 RCW, solely for the purposes of indemnification. This waiver has been mutually negotiated by the parties.

VII. **Non-Waiver of Breach.** The failure of the Town to insist upon strict performance of any of the covenants and agreements contained herein, or to exercise any option herein conferred in one or more instances shall not be construed to be a waiver or relinquishment of said covenants, agreements or options, and the same shall be and remain in full force and effect.

IN WITNESS WHEREOF, the parties have executed this Agreement.

HEATHER LEE

DocuSigned by:

By _____
16182876F7DA453...
Consultant

TOWN OF FRIDAY HARBOR

By _____
Evan Perrollaz, Mayor

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EXHIBIT A
SCOPE OF WORK

A. The Consultant shall perform a comprehensive operational assessment of the Finance Department, including the following tasks:

- analyze current finance department workflows, systems, and organizational structure
- identify inefficiencies, bottlenecks, control gaps, and opportunities for improvements
- evaluate accounting, reporting, budgeting, forecasting, AP/AR, payroll, utility billing, grant administration, and cash management processes
- assess financial software, integrations, and reporting capabilities
- recommend improvements to increase accuracy, efficiency, scalability, and visibility, including workload distribution
- help develop standardized procedures, internal controls, and compliance measures

all of which is intended to increase operational efficiencies, identify operational risks, and strengthen accountability and resiliency.

B. The Town agrees to pay Consultant at an hourly rate of $80, not to exceed a total of $25,000. Should the Consultant require additional hours to complete the scope of work which will cause Consultant to exceed the maximum cost stated herein, a mutually agreed upon amendment to this Agreement is required.