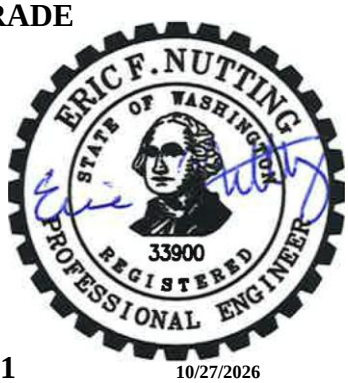
ADDENDUM 2
TO THE CONTRACT PROVISIONS AND CONTRACT PLANS

FOR

TAYLOR BAY BEACH CLUB HOA
WASTEWATER TREATMENT FACILITY UPGRADE

G&O #22848.01



10/27/2026

ISSUED THIS DATE: TUESDAY, OCTOBER 27, 2026

BID SUBMITTAL: 11:00 A.M. (LOCAL TIME) ON WEDNESDAY, NOVEMBER 11, 2026
TAYLOR BAY BEACH CLUB HOA
8215 175TH AVENUE SW
LONGBRANCH, WASHINGTON 98351

Bidder shall acknowledge receipt of this Addendum on Page 3R of the Proposal.

TO PROSPECTIVE BIDDERS:

The attention of all prospective bidders on the above project is directed to the following additions and modifications to the Contract Provisions and Contract Plans.

I. ADDITIONS, MODIFICATIONS, AND/OR DELETIONS TO THE PROPOSAL

ITEM 1:

DELETE the Proposal (pages 1R through 8R (Addendum 1)) in its entirety and **REPLACE** with the attached Proposal (pages 1R through 8R (Addendum 2)).

II. ADDITIONS, MODIFICATIONS, AND/OR DELETIONS TO PART 6 – FORMS USED DURING CONSTRUCTION

ITEM 1:

After Certification of Substantial Completion (C-625), **ADD** the attached Example Manufacturer's Certification of Compliance with AIS Requirements (RUS 1780-35 Exhibit D).

III. ADDITIONS, MODIFICATIONS, AND/OR DELETIONS TO THE TECHNICAL SPECIFICATIONS

ITEM 1:

Page i, Technical Specifications Table of Contents

Under Division 2, **ADD** the following new Sections:

"02420 Rock Anchoring System 02420-1
02952 Log Structures ..... 02952-1"

Under Division 2, **DELETE** the following:

"02245 Site Preload 02245-1
02255 Steel Sheet Pile Wall ..... 02255-1"

Under Division 5, **DELETE** the following:

"05400 Cold Formed Metal Framing ..... 05400-1"

ITEM 2:

Page 01110-2, Specification Section 01110-1.1, SCOPE OF WORK

REVISE the Subsection F. as shown below (added text is italicized, deleted text is shown as strike out):

"F. Install effluent piping system and connection to the new subsurface outfall in Case Inlet, which was installed as part of the Taylor ~~Bat~~ *Bay* Outfall Replacement Project, and has an existing capped connection point above the ordinary high water mark as discussed in Section 1.2. *Note that the Contractor shall not connect to the existing, new subsurface outfall until construction is complete. The Contractor shall, for dewatering, temporarily connect to the existing, operational outfall. Refer to Section 02240. Install shoreline outfall protection per Additive Item 1.*"

Page 01110-11, Specification Section 01110-1.8 A., SUGGESTED CONSTRUCTION PHASING

REVISE the second bullet as shown below (added text is italicized, deleted text is shown as strike out):

"Install temporary erosion and sedimentation control (TESC) system and dewatering system to include a temporary construction dewatering

discharge connection to the existing, *operational* outfall piping and associated temporary/permanent piping and pumping as required. *The Contractor shall not discharge to the existing, new subsurface outfall until the influent pump station, headworks, equalization basin, anoxic basin, aerobic basin, membrane basins, RAS pump station, odor control system, and all equipment in the new operations building are completed and operational and all excavation dewatering activities are complete. The existing outfall shall remain in operation until the new NPDES permit is issued by the Department of Ecology."*

ITEM 3:

Page 01160-2, Specification Section 01160-1.2, PERMIT AND LICENSES

ADD the following to the end of this Section:

"M. Exemption from Shoreline Management Act Substantial Development Permit Requirements (No. 1075083) (Obtained by Owner)"

ITEM 4:

Page 01160-2, Specification Section 01160-1.3, OTHER PERMIT REQUIREMENTS

ADD the following to the end of this Section:

"Work on the Additive Item "Shoreline Outfall Protection" will be completed in an area that is below the Ordinary High-Water Mark. Therefore, installation shall be completed during the In-water Work Window" between July 15 and September 15 2027; as specified in the HPA."

ITEM 5:

Page 01200-5, Specification Section 01200-1.4, INDIVIDUAL BID ITEMS

ADD the following:

"**B. ADDITIVE ITEM**

1. Shoreline Outfall Protection

a. Measurement: To be measured by lump sum for installation per the plans.

b. Payment: The lump sum contract price for Shoreline Outfall Protection shall include all coasts for the labor, materials, and equipment required to install the outfall protection as shown in the plans."

ITEM 6:

Page 01300-2, Specification Section 01300-1.2, RELATED WORK SPECIFIED ELSEWHERE

ADD the following to the table:

"02420	Rock Anchoring System
02952	Log Structures"

ITEM 7:

Page 02240-3, Specification Section 02240-3.1, INSTALLATION AND APPLICATION

REVISE the fifth paragraph as shown below (added text is italicized, deleted text is shown as strike out):

"The Contractor shall discharge all groundwater (as required) and stormwater to Baker Tanks or polyethylene storage tanks with a minimum volume of 5,000 gallons with a gravity overflow or pump overflow of clean water to the existing, *operational* outfall at all times until the *existing,* new outfall is complete and operational and all excavation dewatering activities are complete. Per the Construction Stormwater General Permit (GSGP) Section S9.D.10, if wellpoints are used for dewatering, the discharge from the wellpoints can be discharged directly into surface water, and therefore may be directly discharged to the existing, *operational* outfall. Contractor shall remove sediment from the storage tank when the sediment layer is 1/4 of the tank side water depth. Contractor shall provide and install all required piping and pumping to discharge clean water to the existing outfall until the permanent systems are operational. The Contractor shall connect the temporary dewatering Baker Tank overflow to a new wye connection to the existing outfall piping, downstream of the existing UV disinfection system. When testing and commissioning of the new effluent piping and outfall are complete, site stormwater can be directed to the new outfall via the new stormwater filter manhole. When site dewatering operations are complete, the contractor shall remove all temporary piping and the connection to the existing outfall. See Specification Section 02370 for stormwater discharge monitoring requirements."

ITEM 8:

ADD new Specification Section 02420, Rock Anchoring System.

ITEM 9:

ADD new Specification Section 02952, Log Structures.

ITEM 10:

Page 11960-6, Specification Section 11960-2.2, SYSTEM SUPPLIERS

REVISE the Subsections A and B as shown below (added text is italicized, deleted text is shown as strike out):

"A. ECS Environmental Solutions ~~or approved equal~~ *60-Series V1-500-TM or PureAir Filtration DS-500*.

B. ~~Or equal as manufactured by PureAir Filtration.~~ No other manufacturers *or models* shall be accepted."

Page 11960-13, Specification Section 11960-2.11, DAMPERS

ADD the following to the end of the first paragraph:

"All odor control dampers shall be balancing dampers."

ITEM 11:

Page 15050-5, Specification Section 15050-2.3 A., GRAVITY AND VENT PIPING

REVISE the Subsection A as shown below (added text is italicized, deleted text is shown as strike out):

"A. GRAVITY*, ODOR CONTROL,* AND VENT PIPING

Gravity PVC sewer, *odor control,* and vent pipe shall be solid wall PVC pipe or approved equal. PVC pipe and fittings shall conform to ASTM D3034 (15-inch and smaller) or ASTM F679 (18-inch and larger), for standard dimension ratio (SDR) 35 pipe. PVC pipe and fittings shall be furnished with integral, gasketed, bell-and-spigot, push-on type joints conforming to ASTM D3212. Elastomeric gaskets shall have a solid cross-section, be factory-installed and securely locked in place in the bell, and conform to

ASTM F477. Sizes and dimensions shall be as shown on the Plans. Nominal laying lengths shall be 13 or 20 feet."

IV. ADDITIONS, MODIFICATIONS, AND/OR DELETIONS TO THE CONTRACT PLANS

ITEM 1:

SHEET G-2, GENERAL

DELETE Sheet G-2 in its entirety and **REPLACE** with the revised Sheet G-2.

ITEM 2:

SHEET G-7, EXISTING SITE AND PROCESS PIPING PLAN, CONTOURS, AND CONTROL COORDINATES

DELETE Sheet G-7 in its entirety and **REPLACE** with the revised Sheet G-7.

ITEM 3:

SHEET G-8, EXISTING SITE, CLEARING AND GRUBBING, AND TESC PLAN

DELETE Sheet G-8 in its entirety and **REPLACE** with the revised Sheet G-8.

ITEM 4:

SHEET G-9, EXISTING SITE DEMOLITION PLAN

DELETE Sheet G-9 in its entirety and **REPLACE** with the revised Sheet G-9.

ITEM 5:

SHEET G-13, GRADING AND STORMWATER PIPING PLAN

DELETE Sheet G-13 in its entirety and **REPLACE** with the revised Sheet G-13.

ITEM 6:

SHEET G-16, OUTFALL PLAN, PROFILE, AND DETAILS

DELETE Sheet G-16 in its entirety and **REPLACE** with the revised Sheet G-16.

ITEM 7:

SHEET G-18, SHORELINE OUTFALL PROTECTION PLANS

ADD new Sheet G-18.

ITEM 8:

SHEET GD-10, SHORELINE OUTFALL PROTECTION DEVICES

ADD new Sheet GD-10.

ITEM 9:

SHEET M2-3, PROCESS TANKS AND HEADWORKS SECTIONS

DELETE Sheet M2-3 in its entirety and **REPLACE** with the revised Sheet M2-3.

ITEM 10:

SHEET M2-5, PUMP STATION AND HEADWORKS SECTION

DELETE Sheet M2-5 in its entirety and **REPLACE** with the revised Sheet M2-5.

BID FORM FOR CONSTRUCTION CONTRACT

The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 1—OWNER AND BIDDER

This Bid is submitted to:

QuestCDN
https://questcdn.com/#10400489
Taylor Bay Beach Club HOA

8215 175th Avenue

Longbranch, Washington 98351

1.01 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2—ATTACHMENTS TO THIS BID

2.01 The following documents are submitted with and made a condition of this Bid:

A. Required Bid security;

B. Attachment A – Scope of supply components that do not comply with BABA requirements.

C. Submit Supplemental Bidder Responsibility Criteria within 2 business days of bid. Reference Instructions to Bidders, Article 3, and Appendix E.

D. Deleted

E. Deleted

F. Deleted

G. If Bid amount exceeds $10,000, signed Compliance Statement (RD 400-6). Refer to specific equal opportunity requirements set forth in the Supplementary Conditions of the Construction Contract (EJCDC C-800);

H. If Bid amount exceeds $25,000, signed Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions (AD-1048);

I. If Bid amount exceeds $100,000, signed RD Instruction 1940-Q Exhibit A-1, Certification for Contracts, Grants, and Loans.

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ARTICLE 3—BASIS OF BID—LUMP SUM BID AND UNIT PRICES

3.01 *Unit Price Bids*

A. Bidder will perform the following Work at the indicated unit prices:

BASE BID:

Item No.	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Amount
1	Wastewater Treatment Facilities	1	LS	$	$
2	Membrane Equipment System: Supply, Construction Services and Post Construction Services	1	LS	$660,000.00	$660,000.00
3	Membrane System Installation	1	LS	$	$
4	Mobilization and Demobilization	1	LS	$	$
5	Trench Excavation Safety Systems	1	LS	$	$
6	Dewatering	1	LS	$	$
7	Erosion Control	1	LS	$	$
8	Unsuitable Excavation	10	CY	$	$
9	Peninsula Light Company Charges for Electrical Service Provisions	1	LS	$220,000.00	$220,000.00
10	Minor Change	1	LS	$40,000.00	$40,000.00
Total of all Unit and Lump Sum Price Bid Items					$
Washington State Sales Tax (8.2%)					$
TOTAL CONSTRUCTION COST, BASE BID					$

ADDITIVE ITEM:

Item No.	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Amount
1	Shoreline Outfall Protection	1	LS	$	$
Total of all Lump Sum Bid Items					$
Washington State Sales Tax (8.2%)					$
TOTAL CONSTRUCTION COST, ADDITIVE ITEM					$

B. Bidder acknowledges that:

1. Each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and

2. Estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Work will be based on actual quantities, determined as provided in the Contract Documents.

3. The Contractor shall be assigned the portion titled "Membrane Equipment System: Supply, Construction Services and Post-Construction Services" of the executed Contract titled "Taylor Bay Beach Club HOA Procurement of Membrane Equipment System and Services." The executed Contract titled "Taylor Bay Beach Club HOA Procurement of Membrane Equipment System and Services" is attached to these Contract Provisions as

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Appendix A. Bidder's attention is directed to the provisions of Article 5 of the Procurement Agreement which provide for the assignment of the Procurement Contract to the construction contractor. The Supplier (Kubota Water & Environment USA Corporation) will be required to perform the Procurement Contract after it has been assigned to the construction contractor (Contractor Assignee) in accordance with the provisions in the Procurement Contract. Timing of the assignment is addressed in the Procurement Agreement. Forms documenting the assignment of the Procurement Contract and for the agreement of the Seller's surety to such assignment are included as attachments to the Procurement Agreement. The Contractor shall be required to sign the Assignment of Procurement Contract, Consent to Assignment, and Acceptance of Assignment document included as Exhibit A in the Agreement of the Procurement Contract.

3.02 *Total Bid Prices*

Total Construction Cost, Base Bid	$
Total Construction Cost, Additive Item	$
Total Construction Cost, Base Bid and Additive Item	$

ARTICLE 4—Deleted

ARTICLE 5—Deleted

ARTICLE 6—TIME OF COMPLETION

6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of working days indicated in the Agreement.

6.02 Deleted

6.03 Deleted

6.04 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7—BIDDER'S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA

7.01 *Bid Acceptance Period*

A. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

7.02 *Instructions to Bidders*

A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.

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7.03 *Receipt of Addenda*

A. Bidder hereby acknowledges receipt of the following Addenda:

Addendum Number	Addendum Date

ARTICLE 8—BIDDER'S REPRESENTATIONS AND CERTIFICATIONS

8.01 *Bidder's Representations*

A. In submitting this Bid, Bidder represents the following:

1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work, including all **Domestic Preference requirements.**
4. Bidder has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.
5. Bidder has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
6. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, if selected as Contractor; and (c) Bidder's (Contractor's) safety precautions and programs.
7. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
8. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
9. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies

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between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.

10. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

11. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

8.02 *Bidder's Certifications*

A. The Bidder certifies the following:

1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.

2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.

3. Bidder has not solicited or induced any individual or entity to refrain from bidding.

4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 8.02.A:

a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.

b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.

c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.

d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

5. The undersigned is, and will remain in, full compliance with all Washington State administrative agency requirements including, but not limited to registration requirements of Washington State Department of Labor & Industries for contractors, including but not limited to requirements for bond, proof of insurance and annual registration fee.

6. The undersigned has reviewed all insurance requirements contained in the Contract and has verified the availability of, and the undersigned's eligibility for, all required insurance. The undersigned verifies that the cost for all required insurance has been included in this Bid Form.

7. In relation to claims related in whole or in part to workplace injuries to employees, the undersigned waives any immunity granted under State Industrial Insurance Law, RCW

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Title 51. This waiver has been specially negotiated by the parties, which is acknowledged by the undersigned in signing the Bid Form.

8. By signing the Bid Form, the undersigned declares, under penalty of perjury under the laws of the United States and the State of Washington, that the following statement is true and correct:

   The bidder hereby certifies that, within the three-year period immediately preceding the bid solicitation date, that the bidder is not a "willful" violator, as defined in RCW 49.48.082, of any provision of chapters 49.46, 49.48, or 49.52 RCW, as determined by a final and binding citation and notice of assessment issued by the Department of Labor and Industries or through a civil judgment entered by a court of limited or general jurisdiction.

8.03 *Subcontractor Identification*

Per RCW 39.03.060, for Proposals exceeding one million dollars, indicate who (either the Contractor submitting this bid or a subcontractor) will be completing the work for each of the five categories listed below. Information shall include their Washington State Department of Licensing Contractor's Registration No. This information shall be provided with the Bid or within one hour after the published Bid submittal time in accordance with RCW 39.30.060.

Work to be performed	**Subcontractor (Name and Registration Number)**

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BIDDER hereby submits this Bid as set forth above:

Bidder:

_____

(typed or printed name of organization)

By: _____

(individual's signature)

Name: _____

(typed or printed)

Title: _____

(typed or printed)

Date: _____

(typed or printed)

If Bidder is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.

Attest: _____

(individual's signature)

Name: _____

(typed or printed)

Title: _____

(typed or printed)

Date: _____

(typed or printed)

Address for giving notices:

_____

_____

Bidder's Contact:

Name: _____

(typed or printed)

Title: _____

(typed or printed)

Phone: _____

Email: _____

Address:

_____

_____

_____

Bidder's Contractor License No.: _____

Bidder's L&I Workmen's Comp. Account No.: _____

Bidder's Unified Business Identifier No.: _____

Bidder's Excise Tax Registration No.: _____

Bidder's Employment Security Account No.: _____

EJCDC® C-410, Bid Form for Construction Contract.
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ATTACHMENT A

SCOPE OF SUPPLY COMPONENTS THAT DO NOT COMPLY WITH BABA REQUIREMENTS

(PROVIDE ADDITIONAL PAGES IF REQUIRED)

Part Identification (Name)	Specification Section, Equipment Description and Type	Manufacturer	Number of Units	Total Lump Sum Equipment Cost for Line Item

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EXAMPLE OF A MANUFACTURER'S CERTIFICATION LETTER OF COMPLIANCE WITH PROVISIONS OF THE AMERICAN IRON AND STEEL (AIS) REQUIREMENTS OF SECTION 746 OF TITLE VII OF THE CONSOLIDATED APPROPRIATIONS ACT OF 2017 (DIVISION A - AGRICULTURE, RURAL DEVELOPMENT, FOOD AND DRUG ADMINISTRATION, AND RELATED AGENCIES APPROPRIATIONS ACT, 2017) AND SUBSEQUENT STATUTES MANDATING DOMESTIC PREFERENCE

Date:

Company Name:

Company Address:

Subject: AIS Step Certification for Project (X), Owner's Name, and Contract Number

I, (company representative), certify that the (melting, bending, galvanizing, cutting, etc.) processes for (manufacturing or fabricating) the following products and/or material shipped or provided for the subject project is in full compliance with the AIS requirement as mandated by Section 746 of Title VII of the Consolidated Appropriations Act of 2017 (Division A - Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations Act, 2017) and subsequent statutes mandating domestic preference.

Item, Products and/or Materials, and location of delivery (City, State):

1.
2.

Such processes for AIS took place at the following location:

_____
(City, State)

This certification is to be submitted upon request to interested parties (e.g. municipalities, consulting engineers, general contractors, etc.)

If any of the above compliance statements change while providing materials to this project, please immediately notify the person(s) who is requesting to use your product(s).

_____
Authorized Company Representative Signature
(Note: *Authorized signature shall be manufacturer's representative not the material distributor or supplier*)

SECTION 02420

ROCK ANCHORING SYSTEM

PART 1 GENERAL

1.1 SCOPE

The work specified in this Section includes bonded rock anchors as shown on the Plans and as specified herein.

1.2 RELATED WORK SPECIFIED ELSEWHERE

Section	Item
01200	Measurement and Payment
01300	Submittals

PART 2 PRODUCTS

2.1 MANUFACTURERS

Subject to compliance with the specifications, manufacturers may require approval by the Engineer.

2.2 MATERIALS

All materials required for the Rock Anchoring System shall be furnished complete with all accessories and shall be a standard product of a company regularly engaged in their manufacture. Provide certificates of compliance to verify that manufactured components comply with AIS and BABBA requirements.

A. ANCHOR BOULDERS

Boulders that are used in the "deadman" anchoring system should be a minimum Type 3 rock size (WSDOT 9-03.11(5)).

B. ANCHOR HARDWARE

1. Cable

Cable shall be 3/8-inch corrosion resistant 316 stainless steel wire rope, 7x7 strand core.

2. Staples

   5/8-inch or larger crown, 3/2-inch or larger length, 316 Stainless Steel.

3. Cable Clamps

   316 Stainless Steel and sized to accommodate two strands of cable.

4. All-Thread

   All-Thread Rebar shall be 3/4-inch Grade B8M (Type 316) stainless steel conforming to ASTM A193. The concentric thread of deformation height for each rebar diameter shall be in accordance with ASTM A193. The final working load should not exceed 60 percent of the guaranteed ultimate strength of the rebar steel. The size and required strength shall be as shown on the Plans.

C. ANCHOR NUTS

Nuts shall be the manufacturer's standard heavy-duty 3/4-inch 316 stainless steel hexagon head type conforming to ASTM A194 (Grade 8M) and designed for use with the Grade B8M (Type 316) All-Thread Rebar rock anchors. Anchor nuts shall develop in excess of 125 percent of yield of the rebar and the ultimate strength of not less than 100 percent of the guaranteed ultimate strength of the Grade B8M (Type 316) All-Thread Rebar rock bolt.

D. WASHERS

Washers shall be 3/4-inch marine grade (Grade B8M Type 316) stainless steel.

E. CABLE THIMBLE

Cable thimble shall be marine grade (Grade B8M Type 316) stainless steel and sized correctly for threaded rod and cable.

F. MECHANICAL COUPLINGS

When required mechanical couplings may be used to splice rock anchors and shall be capable of developing 100 percent of the guaranteed ultimate strength of the rock anchors. Couplings shall conform to ASTM A108.

PART 3 EXECUTION

3.1 INSTALLATION REQUIREMENTS

A. Boulders shall be approved by Engineer prior to drilling. Drilled holes shall be clean, straight, capable of passing two cables.

B. See plan sheets and Section 02952 Log Structures for more detail on installation of cables to logs and boulders.

3.2 ANCHOR BARS

Actual (major) diameters on some threaded bars may be larger than the advertised "nominal size." Additional clearances may be necessary in bearing surfaces and ducts. Fully threaded high tensile bars shall not be subjected to field bending, welding, used as ground for welding, or cut with (acetylene torch) high heat sources. If the exposed threaded section of the Grade B8M (Type 316) All-Thread Anchor Bars is to be field cut, it shall be sawn with a portable band saw or cut with an abrasive cutoff wheel to avoid overheating of the area of the soil nail where internal threaded tension components are intended for use. A cutting torch shall not be used. When the anchor bars have been epoxy coated or hot-dip galvanized, the exposed end of the anchor that has been field cut shall be repaired with an epoxy patch kit or zinc rich spray from the manufacturer. Tighten anchor bars after minimum grout setting time have been reached per manufacturer's recommendation.

***** END OF SECTION *****

SECTION 02952

LOG STRUCTURES

PART 1 GENERAL

1.1 GENERAL

As part of the outfall protection and bluff protection as shown on the Plans, the work specified herein shall include the placement of logs (with and without root wads), rock anchors (including chain), and backfill material.

The Contractor shall furnish, deliver to site and install per plans all of the logs and root wads required to construct these structures.

1.2 RELATED WORK SPECIFIED ELSEWHERE

Section	Item
01160	Regulatory Requirements
01200	Measurement and Payment
01300	Submittals
02300	Earthwork
02420	Rock Anchoring System

PART 2 PRODUCTS

2.1 MATERIALS

Rock anchors (including boulders, cables, , and hardware) as specified in Section 02420.

PART 3 EXECUTION

3.1 PREPARATION

A. A plan for installation of the logs and boulders shall be submitted to Engineer for review and approval. The plan shall provide methods and sequencing of placement of logs and boulders.

B. Contractor shall verify location of the two outfall pipelines and set up a system for assuring that the pipe are not damaged during installation of logs and boulders.

C. Logs and boulders shall be inspected by Engineer prior to delivery to site. Contractor shall notify Engineer where the logs and boulders are located

and available for inspection at least 2 weeks prior to the planned delivery date to the project site.

D. Contractor shall mark proposed location of notches for cables. All locations shall be reviewed and approved by the Engineer prior to notching the log. Notch logs to fit cables as shown in the Plans. Any logs that split as the result of notching must be replaced or repaired as approved by the Engineer.

E. Excavated material shall be managed properly and reused on site as per notes in plan set.

F. Final site grading shall restore surface elevations to match the surrounding undisturbed areas.

3.2 INSTALLATION

A. Place logs and boulders as shown on the Plans. However, final placement shall be verified and may be adjusted by the Engineer. Logs shall be placed level and have positive contact on firm ground or other logs below to minimize settlement of the structure. The Engineer and Owner must visually approve placement of logs. Final structure location will be staked by the Contractor with approval from the Engineer.

B. Dry-fit logs to provide a snug fit as shown on Plans or as directed by the Engineer. Adjoining logs shall be solid and sound as to provide for a secure cabling connection. The Engineer must visually approve logs prior to drilling and cabling.

C. Cables shall be wrapped around log and secured using suitable connectors (approved by Engineer) as shown in the plans, so that cable wrapped around logs and through boulders is snug. No slack is allowed in the cable used as part of the deadman anchoring system.

D. See Notes on Plan sheets and Rock Anchoring System 02420 for more detail on the anchoring system.

***** END OF SECTION *****

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G-2	SHEET INDEX
G-3	ABBREVIATIONS, SYMBOLS, LEGEND, AND GENERAL NOTES
G-4	DESIGN CRITERIA
G-5	PROCESS FLOW DIAGRAM
G-6	HYDRAULIC PROFILE
G-7	EXISTING SITE AND PROCESS PIPING PLAN, CONTOURS, AND CONTROL COORDINATES
G-8	EXISTING SITE, CLEARING AND GRUBBING, AND TESC PLAN
G-9	EXISTING SITE DEMOLITION PLAN
G-10	DEMOLITION PHOTOS AND TEMPORARY BIOSOLIDS TANK RELOCATION
G-11	PROPOSED SITE PLAN AND AREA IDENTIFICATION
G-12	PROPOSED SITE PROCESS PIPING PLAN
G-13	GRADING AND STORMWATER PIPING PLAN
G-14	ENLARGED PAVING AND GRADING PLAN
G-15	LANDSCAPING, IRRIGATION, AND RESTORATION PLAN
G-16	OUTFALL PLAN, PROFILE, AND DETAILS
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GD-3	GENERAL DETAILS
GD-4	GENERAL DETAILS
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GD-7	GENERAL DETAILS
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STATE OF WASHINGTON
33900
REGISTERED PROFESSIONAL ENGINEER

10/27/2026

TAYLOR BAY BEACH CLUB

WASTEWATER TREATMENT FACILITY UPGRADE

8220 178TH AVENUE COURT SW, LONGBRANCH, WA 98351

No.	DATE	REVISION
1	10/2026	ADDENDUM NO. 2

ISSUED FOR:

BID SET

ISSUE DATE:	SEPTEMBER 2026
APPROVED BY:	EFN
CHECKED BY:	EFN
DRAWN BY:	CRR
DESIGNER:	JESP
G & O JOB NO.:	22848.01
FILE:	G-LEGEND.DWG

0 1" 2"
TWO INCHES AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

GENERAL

SHEET INDEX

DRAWING: **G-2** OF **18**
1

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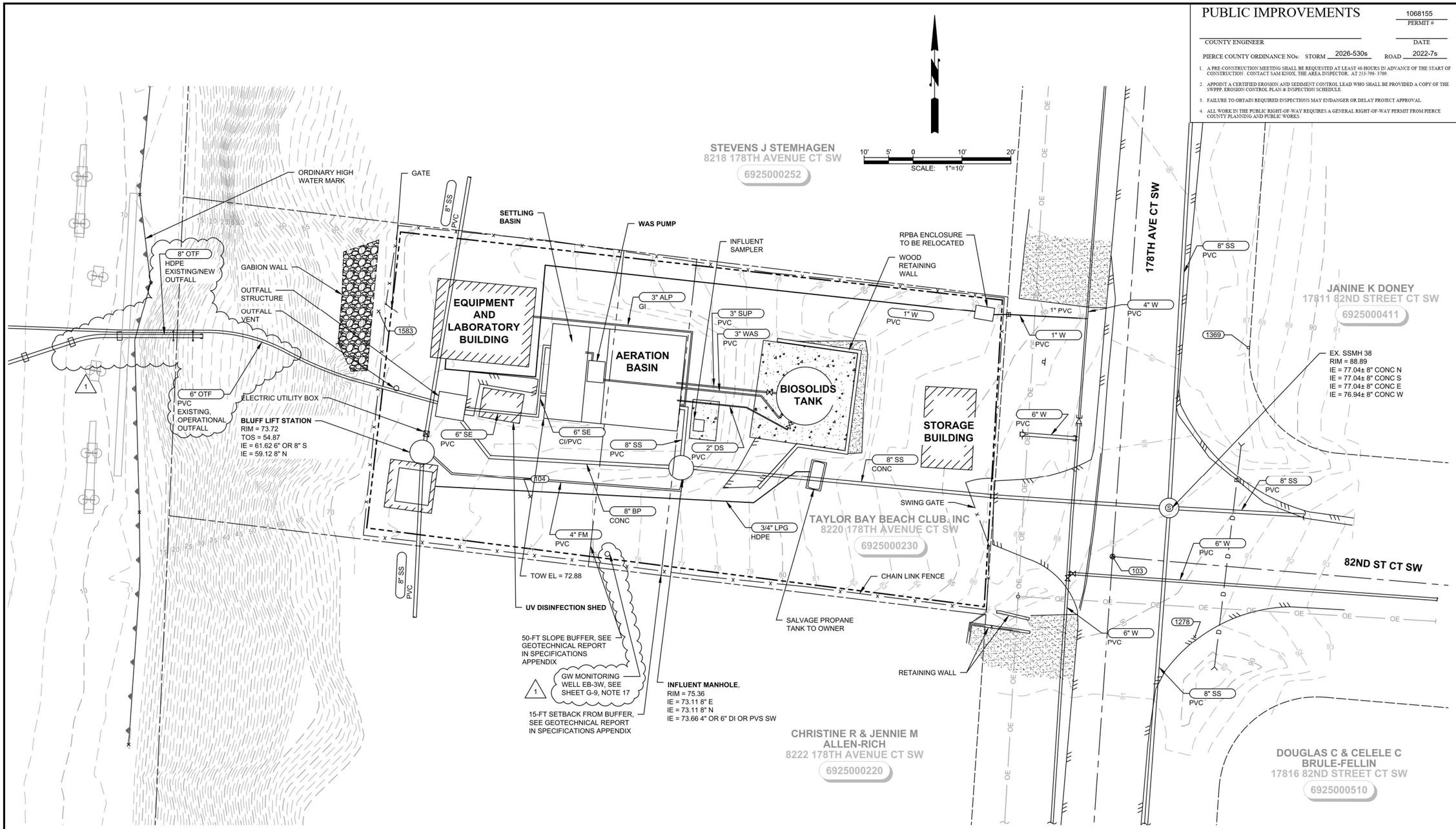
1068155
PERMIT #

COUNTY ENGINEER

DATE

PIERCE COUNTY ORDINANCE NOs: STORM 2026-530s ROAD 2022-7s

1. A PRE-CONSTRUCTION MEETING SHALL BE REQUESTED AT LEAST 48-HOURS IN ADVANCE OF THE START OF CONSTRUCTION. CONTACT SAM KNOX, THE AREA INSPECTOR, AT 253-798- 3709.
2. APPOINT A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD WHO SHALL BE PROVIDED A COPY OF THE SWPPP, EROSION CONTROL PLAN & INSPECTION SCHEDULE.
3. FAILURE TO OBTAIN REQUIRED INSPECTIONS MAY ENDANGER OR DELAY PROJECT APPROVAL.
4. ALL WORK IN THE PUBLIC RIGHT-OF-WAY REQUIRES A GENERAL RIGHT-OF-WAY PERMIT FROM PIERCE COUNTY PLANNING AND PUBLIC WORKS.



EXISTING SITE PLAN

SCALE: 1"=10'

NOTE:

1. (X) INDICATES CONTROL COORDINATE LOCATION, SEE TABLE.
2. REFER TO SHEET GD-3 FOR TESC NOTES.
3. CONTOURS ALONG THE BLUFF FROM THE ORDINARY HIGH WATER MARK TO ELEVATION 68 ARE BASED ON THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCE'S LIDAR PORTAL FOR THE FLIGHT SPECIFICALLY CALLED "PIERCE 2020 (COORDINATE SYSTEM : NAD 83 HARN STATE PLANE SOUTH, VERTICAL COORDINATE SYSTEM: NAVD88 HEIGHT) AND ARE CONSIDERED APPROXIMATE.

1

CONTROL COORDINATE TABLE

HORIZONTAL DATUM:	NAD83/2011, EPOCH 2010.00
WASHINGTON PLANE COORDINATE SYSTEM, SOUTH ZONE, GRID NORTH	
MODIFIED GROUND COORDINATES, SCALED TO GROUND USING AVG. CGF OF 0.99996708 AT BASE POINT G&O #1	
(WSDOT "TAYLOR BAY")	
VERTICAL DATUM:	NAVD88
HOLDING WSDOT "TAYLOR BAY" (G&O #1) PUBLISHED ELEVATION OF 115.781'.	

POINT	NORTHING	EASTING	ELEV.	DESCRIPTION
103	682425.43	1074541.56	89.13	SFM, COTTON GIN SPINDLE IN ASPHALT AT GRADE. INTX 82ND ST CT SW & 178TH AVE CT SW. 4.5' E OF W WEDGE CURB FLOWLINE. AT CENTERLINE 82ND ST CT SW EXTENDED.
104	682437.68	1074422.50	73.80	SSN=SET NAIL, 60-D NAIL W/ BLUE WHISKERS & PINK FLAGGING. DOWN 0.1' IN GRASS/GRAVEL OF WWTP SITE. 16' SSE OF SW CORNER OF SETTLING TANK.
1278	682409.06	1074558.35	90.60	SFNT=NAIL W/ TAG, NAIL W/ "ASPEN LS 28408" TAG.
1369	682468.09	1074569.32	87.20	SFRC, 5/8" REBAR W/ DESTROYED YELLOW PLASTIC CAP. BENT 0.15' TO W, SHOT AT BEND. UP 0.7' ABOVE GRADE.
1583	682475.47	1074391.53	68.62	SSN*TEMP, TEMPORARY CONTROL POINT.

RIGHT-OF-WAY DISCLAIMER

THE RIGHT-OF-WAY AND/OR PROPERTY LINES SHOWN HEREON ARE BASED ON AVAILABLE INFORMATION, NOT ON A SURVEYED LOCATION AND ARE ONLY APPROXIMATE.

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ERIC F. NUTTING
STATE OF WASHINGTON
33900
REGISTERED PROFESSIONAL ENGINEER
10/27/2026

TAYLOR BAY BEACH CLUB

WASTEWATER TREATMENT FACILITY UPGRADE

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0 1" 2"
TWO INCHES AT FULL SCALE. IF NOT, SCALE ACCORDINGLY

GENERAL

EXISTING SITE AND PROCESS PIPING PLAN, CONTOURS, AND CONTROL COORDINATES

DRAWING: G-7 OF 18

1

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GENERAL NOTES:

1. SEE SHEET G-9 FOR GENERAL NOTES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON-SITE. SEE SPECIFICATION SECTION 02370.
3. REFER TO SHEET GD-3 FOR TESC NOTES.
4. CONTRACTOR SHALL REFER TO SPECIFICATION SECTION 02240 FOR DEWATERING.
5. CONTRACTOR SHALL USE STRAW WATTLES AS NECESSARY TO PREVENT THE MOVEMENT OF SEDIMENT. SEE DETAIL (6/GD-3).
6. THE IMPLEMENTATION OF THIS CONSTRUCTION SWPPP AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE CONSTRUCTION STORMWATER BMPS IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED.
7. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
8. THE CONSTRUCTION STORMWATER BMPS SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
9. THE CONSTRUCTION STORMWATER BMPS SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE CONSTRUCTION STORMWATER BMPS SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE.
10. THE CONSTRUCTION STORMWATER BMPS SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
11. THE CONSTRUCTION STORMWATER BMPS ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 48 HOURS FOLLOWING A MAJOR STORM EVENT.
12. STABILIZED CONSTRUCTION ACCESSES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

(1)

PUBLIC IMPROVEMENTS

1068155 PERMIT #

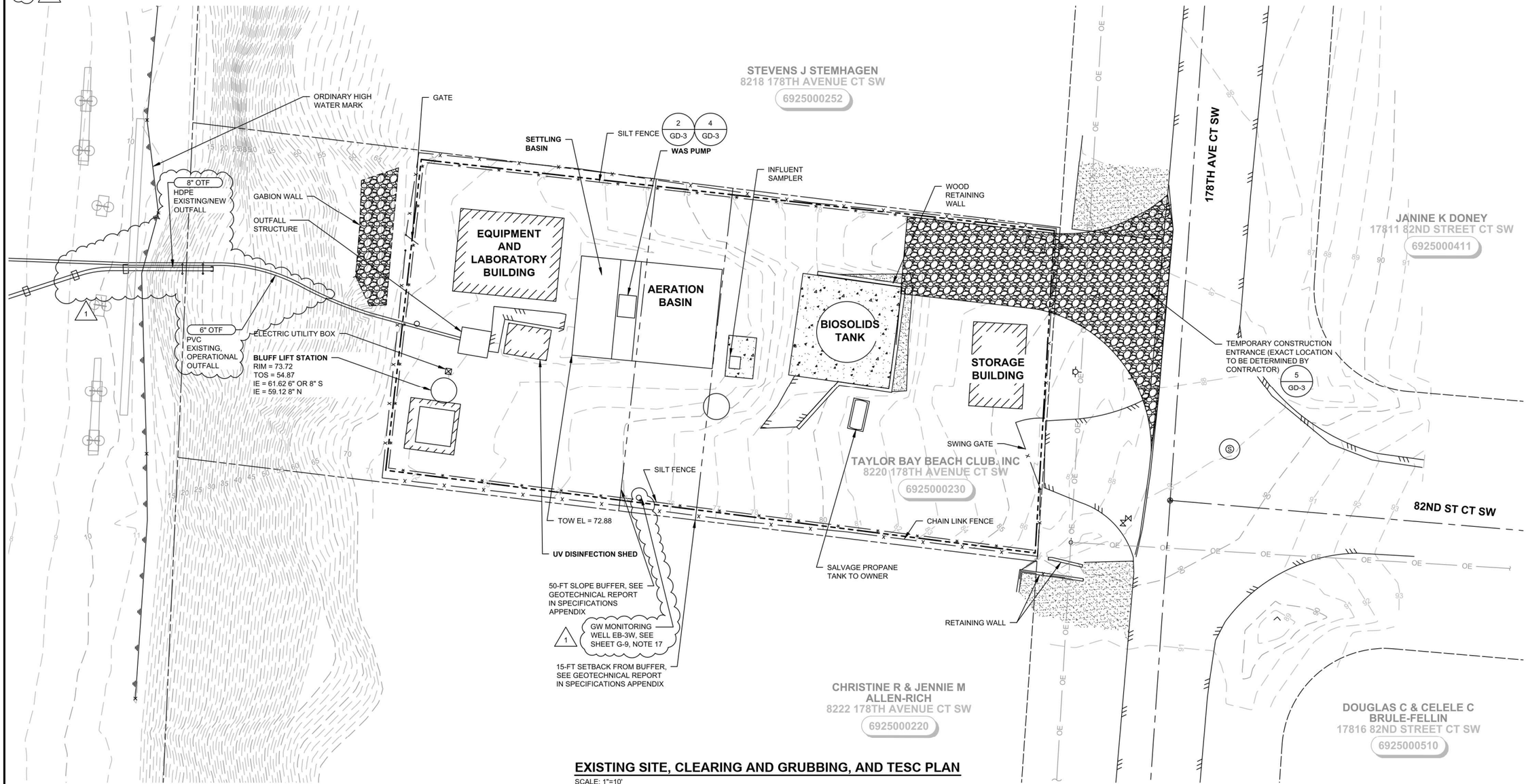
COUNTY ENGINEER _____ DATE _____

PIERCE COUNTY ORDINANCE NOs: STORM 2026-530s ROAD 2022-7s

1. A PRE-CONSTRUCTION MEETING SHALL BE REQUESTED AT LEAST 48-HOURS IN ADVANCE OF THE START OF CONSTRUCTION. CONTACT SAM KNOX, THE AREA INSPECTOR, AT 253-798- 3709.
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4. ALL WORK IN THE PUBLIC RIGHT-OF-WAY REQUIRES A GENERAL RIGHT-OF-WAY PERMIT FROM PIERCE COUNTY PLANNING AND PUBLIC WORKS.

10' 5' 0 10' 20'
SCALE: 1"=10'

LEGEND:
- CLEARING AND GRUBBING LIMITS
- SILT FENCE
- RIGHT-OF-WAY
- PROPERTY LINE



EXISTING SITE, CLEARING AND GRUBBING, AND TESC PLAN

SCALE: 1"=10'

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ERIC F. NUTTING — STATE OF WASHINGTON — 33900 — REGISTERED PROFESSIONAL ENGINEER

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GENERAL

EXISTING SITE, CLEARING AND GRUBBING, AND TESC PLAN

DRAWING: G-8 OF 18

(1)

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GENERAL NOTES:

1. EXISTING TREATMENT PLANT TO REMAIN IN SERVICE AT ALL TIMES. CONTRACTOR TO COORDINATE REMOVAL AND/OR ABANDONMENT OF EXISTING STRUCTURAL, PIPING AND UTILITIES WITH CONSTRUCTION OF NEW UTILITIES AND TREATMENT FACILITIES. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING ORDER OF WORK FOR DEMOLITION AND DISPOSAL AND SALVAGE OF EQUIPMENT.
2. ADDITIONAL DEMOLITION NOTES SHOWN ON THE MECHANICAL, ARCHITECTURAL, HVAC, PLUMBING, STRUCTURAL AND ELECTRICAL SHEETS.
3. REMOVE EXISTING ASPHALT PAVING AND CONCRETE AS REQUIRED TO CONSTRUCT NEW FACILITIES.
4. RECORD DRAWINGS ARE AVAILABLE FOR EXISTING STRUCTURES IF ADDITIONAL INFORMATION IS REQUIRED. THE OWNER/ENGINEER DOES NOT WARRANT THE ACCURACY OF THE RECORD DRAWINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND VERIFY EXISTING CONDITIONS PRIOR TO BIDDING. WHERE EXISTING CONDITIONS DIFFER FROM THOSE SHOWN TO THE EXTENT THAT THEY WILL IMPACT THE COST OF THE CONTRACTOR'S WORK, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING PRIOR TO BIDDING.
5. THE CONTRACTOR SHALL PROVIDE THE TREATMENT PLANT OPERATOR WITH ACCESS TO ALL EXISTING FACILITIES STILL IN SERVICE AT ALL TIMES. IF ACCESS CANNOT BE MAINTAINED, THE CONTRACTOR SHALL PROVIDE THE EQUIPMENT AND LABOR NECESSARY TO AID THE OPERATORS IN ACCESSING THE FACILITIES.
6. IN ADDITION TO THE ITEMS SHOWN TO BE DEMOLISHED, THE CONTRACTOR SHALL REMOVE ALL ASPHALT, CONCRETE WALLS, CONCRETE SLABS, PIPING, ELECTRICAL CONDUIT, CONCRETE ENCASEMENTS, AND ANY OTHER ITEMS REQUIRED TO CONSTRUCT THE NEW FACILITIES.
7. TEMPORARY SHORING SHALL BE INSTALLED AS REQUIRED TO PROTECT EXISTING FACILITIES.
8. PROTECTION OF THE ENVIRONMENT: NO CONSTRUCTION RELATED ACTIVITY SHALL CONTRIBUTE TO THE DEGRADATION OF THE ENVIRONMENT, ALLOW MATERIAL TO ENTER SURFACE OR GROUND WATERS, OR ALLOW PARTICULATE EMISSIONS TO THE ATMOSPHERE, WHICH EXCEED STATE OR FEDERAL STANDARDS. ANY ACTIONS THAT POTENTIALLY ALLOW A DISCHARGE TO STATE WATERS MUST HAVE PRIOR APPROVAL OF THE WASHINGTON STATE DEPARTMENT OF ECOLOGY.
9. SEE SECTION 01110 OF THE CONTRACT SPECIFICATIONS FOR INFORMATION REGARDING THE ORDER OF WORK REQUIREMENTS AND SUGGESTED CONSTRUCTION PHASING.
10. LOCATIONS SHOWN FOR EXISTING PIPING ARE BASED ON RECORD DRAWINGS AND ON-SITE SURVEY OF EXPOSED PIPES AND VALVES AND ARE FOR CONTRACTORS INFORMATION ONLY. THE OWNER/ENGINEER DOES NOT WARRANT THE ACCURACY OF THE RECORD DRAWINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND VERIFY EXISTING CONDITIONS PRIOR TO BIDDING. WHERE EXISTING CONDITIONS DIFFER FROM THOSE SHOWN TO THE EXTENT THEY WILL IMPACT THE COST OF THE CONTRACTOR'S WORK, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO BIDDING.
11. TREATMENT PLANT TO REMAIN IN SERVICE AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE REMOVAL AND/OR ABANDONMENT OF EXISTING PIPING AND UTILITIES WITH CONSTRUCTION OF NEW UTILITIES AND TREATMENT FACILITIES. CONTRACTOR TO PROVIDE TEMPORARY PUMPING AND PIPING AS REQUIRED DURING CONSTRUCTION. ACCESS TO THE EXISTING OPERATIONS AREAS SHALL BE MAINTAINED. ANY DISRUPTIONS TO THIS ACCESS OR TREATMENT OPERATIONS MUST BE PREARRANGED THROUGH THE ENGINEER WITH THE TREATMENT PLANT OPERATORS.
12. PLUG OPEN ENDS OF PIPE TO BE ABANDONED IN-PLACE WITH NON-SHRINK GROUT. CAP OR PLUG EXPOSED END OF ACTIVE PIPES. MATCH EXISTING SIZE, MATERIAL AND DUTY RATING. REMOVE EXPOSED VERTICAL PIPING SECTIONS, VALVES AND CLEANOUTS ON LINES TO BE ABANDONED TO FOUR FEET BELOW FINISHED GRADE.
13. TEMPORARY BYPASS PIPING FROM SSMH 38 AND FROM BLUFF LIFT STATION TO THE EXISTING AERATION BASIN SCREENS MUST BE INSTALLED AND IN OPERATIONAL BEFORE THIS PIPING IS DEMOLISHED. CONTRACTOR SHALL RELOCATE THE EXISTING PALMER-BOWLUS FLUME AND ASSOCIATED ULTRASONIC LEVEL TRANSMITTER TO THE BYPASS PIPING TO PROVIDE MEASUREMENT OF TOTAL PLANT INFLUENT WASTEWATER FLOW AT ALL TIMES.
14. RELOCATE RPBA AND ASSOCIATED ENCLOSURE TO NEW WATER SERVICE. PROVIDE PREMISE ISOLATION OF THE WWTF VIA RPBA AT ALL TIMES.
15. CONTRACTOR SHALL AT MINIMUM DEMOLISH THE EXISTING TANK AND APPURTENANCES TO 4 FEET BELOW FINISHED GRADE AND DRILL 4-INCH HOLES IN THE BASE OF THE TANK AND CONCRETE SLAB, AND 8 4-INCH HOLES IN THE REMAINING WALLS.
16. CONTRACTOR SHALL DEMOLISH THE PORTION OF THE EXISTING OUTFALL EXPOSED ON THE BLUFF FACE. THE REMAINING PORTION OF THE EXISTING OUTFALL ON THE BLUFF SHALL BE PLUGGED AND ABANDONED BY THE CONTRACTOR. THE PORTION OF THE EXISTING OUTFALL ON THE BEACH SHALL BE ABANDONED AS PART OF THE TAYLOR BAY OUTFALL REPLACEMENT PROJECT. SEE SPECIFICATION SECTION 01110 FOR ORDER OF WORK, AND SPECIFICATION SECTION 02240 FOR INFORMATION REGARDING USE OF THE EXISTING OUTFALL FOR CONSTRUCTION DEWATERING.
17. DECOMMISION EXISTING GROUNDWATER MONITORING WELL (EB-3W) PER CHAPTER 173-160 WAC AND CHAPTER 18.104 RCW. SEE GEOTECHNICAL REPORT IN SPECIFICATIONS FOR WELL SPECIFICATIONS.

PUBLIC IMPROVEMENTS

1068155 PERMIT #

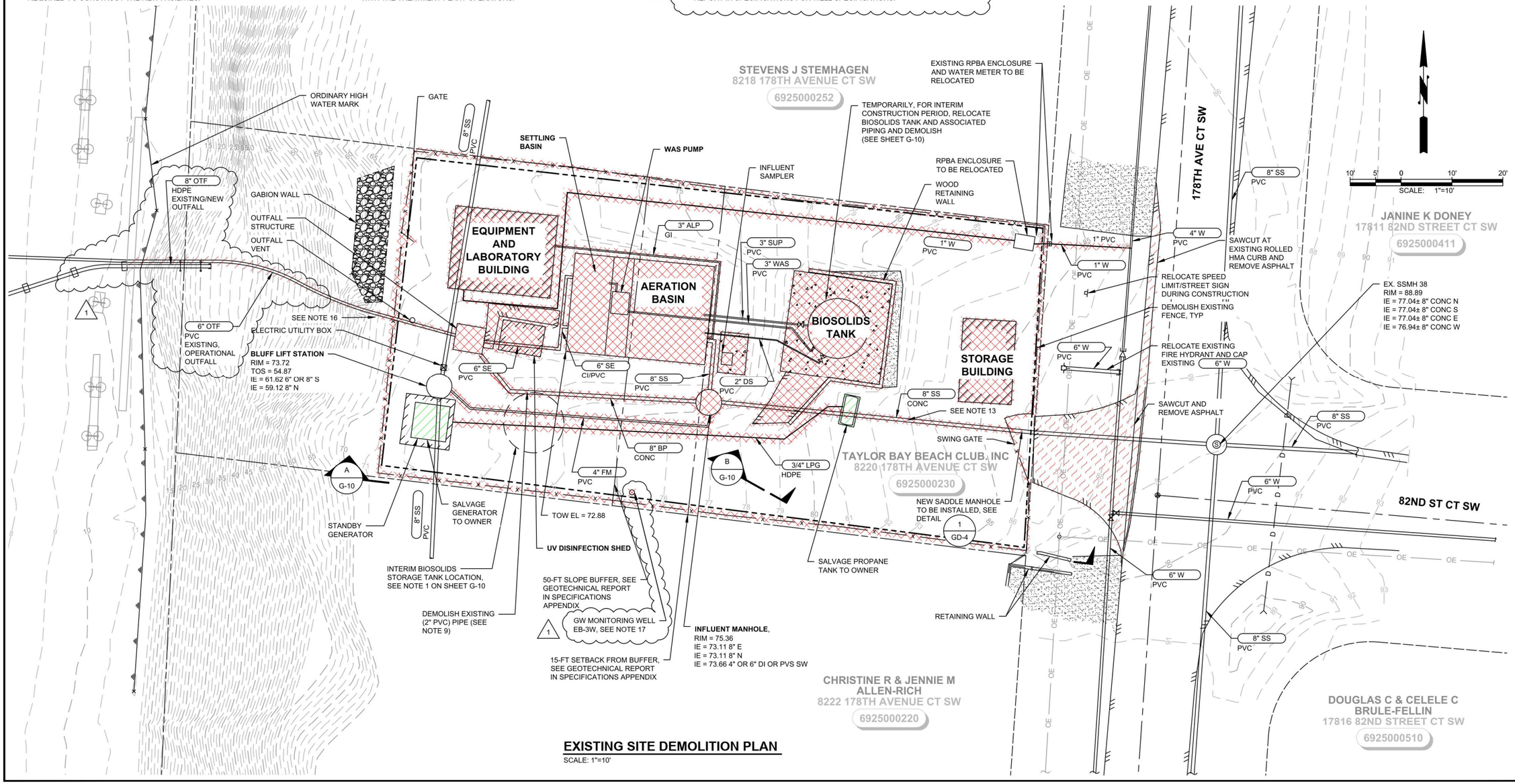
COUNTY ENGINEER _____ DATE _____

PIERCE COUNTY ORDINANCE NOs: STORM 2026-530s ROAD 2022-7s

1. A PRE-CONSTRUCTION MEETING SHALL BE REQUESTED AT LEAST 48-HOURS IN ADVANCE OF THE START OF CONSTRUCTION. CONTACT SAM KNOX, THE AREA INSPECTOR, AT 253-798- 3709.
2. APPOINT A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD WHO SHALL BE PROVIDED A COPY OF THE SWPPP, EROSION CONTROL PLAN & INSPECTION SCHEDULE.
3. FAILURE TO OBTAIN REQUIRED INSPECTIONS MAY ENDANGER OR DELAY PROJECT APPROVAL.
4. ALL WORK IN THE PUBLIC RIGHT-OF-WAY REQUIRES A GENERAL RIGHT-OF-WAY PERMIT FROM PIERCE COUNTY PLANNING AND PUBLIC WORKS.

LEGEND:

- DENOTES ITEM TO BE DEMOLISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS
- DENOTES ITEMS TO BE ABANDONED IN PLACE BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS
- DENOTES ITEMS TO BE SALVAGED TO OWNER
- DENOTES THE MINIMUM AREA OF EXISTING ASPHALT PAVING THAT SHALL BE REMOVED AS PART OF THIS PROJECT. IN ADDITION TO THE AREA SHOWN HERE THE CONTRACTOR SHALL REMOVE ANY ADDITIONAL PAVEMENT REQUIRED TO CONSTRUCT THE NEW FACILITIES.



EXISTING SITE DEMOLITION PLAN

SCALE: 1"=10'

Gray & Osborne, Inc.
CONSULTING ENGINEERS
1130 RAINIER AVENUE SOUTH, SUITE 300
SEATTLE, WASHINGTON 98144
(206) 284-0860

ERIC F. NUTTING — STATE OF WASHINGTON — 33900 — REGISTERED PROFESSIONAL ENGINEER

10/27/2026

TAYLOR BAY BEACH CLUB

WASTEWATER TREATMENT FACILITY UPGRADE

8220 178TH AVENUE COURT SW, LONGBRANCH, WA 98351

No.	DATE	REVISION
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ISSUED FOR:

BID SET

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DRAWN BY:	CRR
DESIGNER:	JESP
G & O JOB NO.:	22848.01
FILE:	G-SITE.DWG

0 1" 2"
TWO INCHES AT FULL SCALE. IF NOT, SCALE ACCORDINGLY

GENERAL

EXISTING SITE DEMOLITION PLAN

DRAWING: G-9 OF 18

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NOTES:

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2. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING TIMING OF DEMOLITION AND CONSTRUCTION ACTIVITIES, DISPOSAL, AND DISPOSITION OF SALVAGED VALVES AND EQUIPMENT.
3. FOR TYPICAL PIPE TRENCHING, SEE DETAIL (5/GD-2).
4. SEE SHEET G-17 FOR CATCH BASIN COORDINATE LOCATIONS.
5. CATCH BASINS SHALL CONFORM TO WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD PLANS.
6. ADJUST RIM ELEVATIONS OF CATCH BASINS TO MATCH FINISHED GRADE IN ACCORDANCE WITH THE DETAILS AND SPECIFICATIONS.

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5' 2.5' 0 5' 10'
SCALE: 1"=5'

STEVENS J STEMHAGEN
8218 178TH AVENUE CT SW
6925000252

JANINE K DONEY
17811 82ND STREET CT SW
6925000411

CHRISTINE R & JENNIE M ALLEN-RICH
8222 178TH AVENUE CT SW
6925000220

DOUGLAS C & CELELE C BRULE-FELLIN
17816 82ND STREET CT SW
6925000510

178TH AVE CT SW

82ND ST CT SW

PIPE PENETRATION, SEE DETAIL 4/GD-8
PIPE VENT ASSEMBLY, SEE DETAIL 5/GD-8
TRENCH PIPE ANCHOR, SEE DETAIL 2/GD-7
OUTFALL MANHOLE, SEE DETAILS 1/GD-8, 2/GD-8, 3/GD-8
8" SD
STORMWATER FILTER CATCH BASIN, SEE DETAIL 6/GD-4
TRENCH DRAIN, SEE DETAIL 3/GD-1
FIRE GATE ACCESS BOX
FIRE HYDRANT, SEE DETAIL 1/GD-5
ASPHALT THICKENED EDGE ALONG DRIVEWAY AND EDGE OF PAVING, SEE DETAIL 4/GD-2
8" OTF
GABION WALL
3'-0" ACCESS GATE
4" SD
6" SD
6" W
R10.00'
PROCESS TANKS
OPERATIONS BUILDING
WAS STORAGE TANK
WASTE SLUDGE PUMP
CATCH BASIN 3/GD-5
EFFLUENT SAMPLER
NEW SADDLE MANHOLE MH-38A
NEW MANHOLE MH-38B
EX. SSMH 38
RIM = 88.89
IE = 77.04± 8" CONC N
IE = 77.04± 8" CONC S
IE = 77.04± 8" CONC E
IE = 76.94± 8" CONC W
BLUFF LIFT STATION
RIM = 73.72
TOS = 54.87
IE = 61.62 6" OR 8" S
IE = 59.12 8" N
AUXILIARY GENERATOR
RAS PUMP STATION
INFLUENT PUMP STATION
HEADWORKS
1" W
RELOCATED RPBA ENCLOSURE AND WATER METER, SEE DETAIL 2/GD-5
RELOCATED SPEED LIMIT/ STREET SIGN
CONNECT TO EXISTING (6" W), SEE DETAIL 2/GD-5
OE
6" PVC

GRADING AND STORMWATER AND GROUNDWATER PIPING SITE PLAN

SCALE: 1"=10'

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33900
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TAYLOR BAY BEACH CLUB

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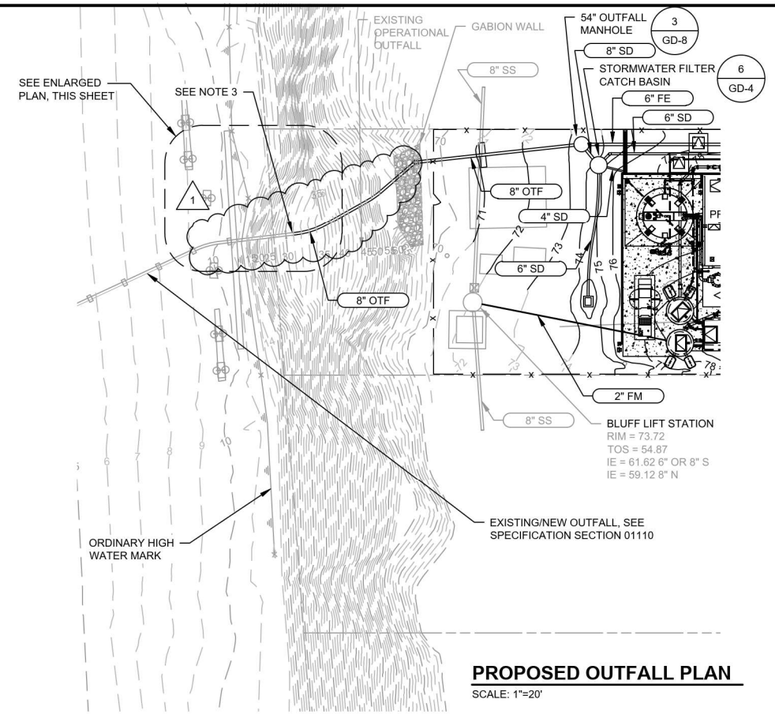
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GENERAL

GRADING AND STORMWATER PIPING PLAN

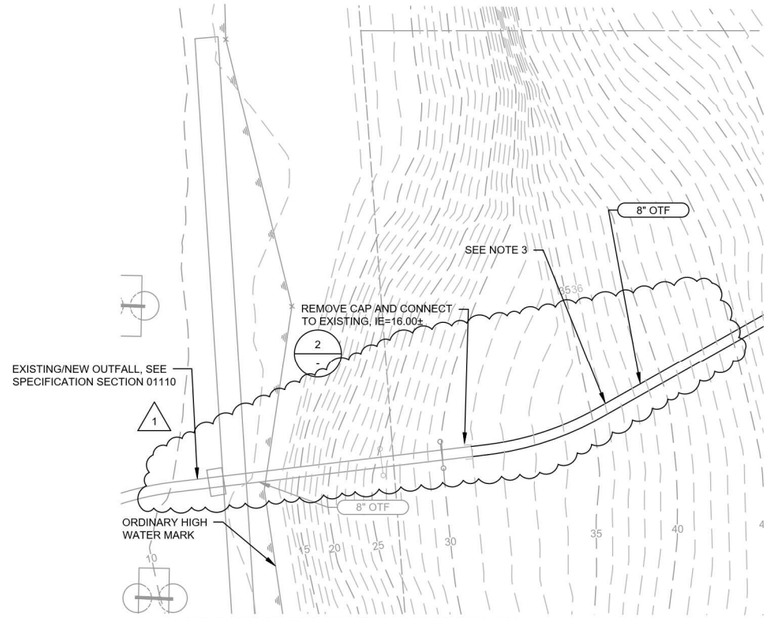
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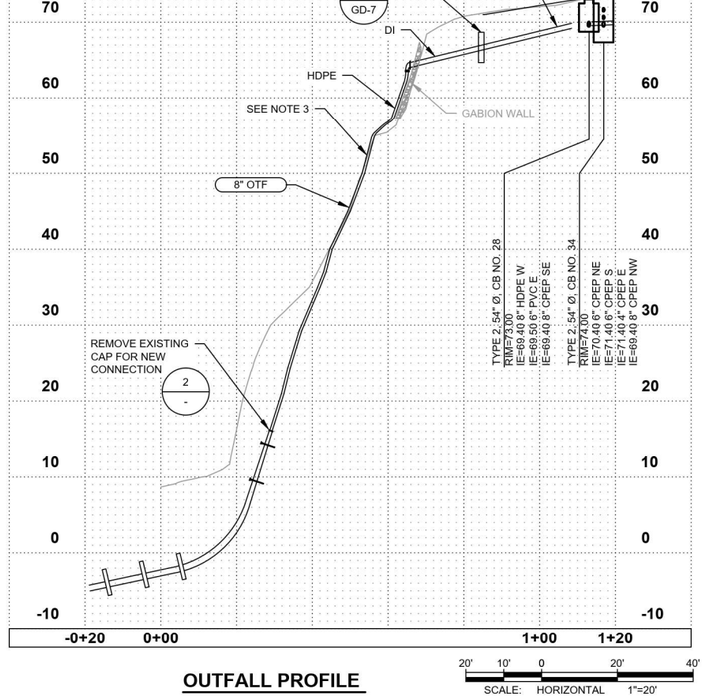
PROPOSED OUTFALL PLAN

SCALE: 1"=20'



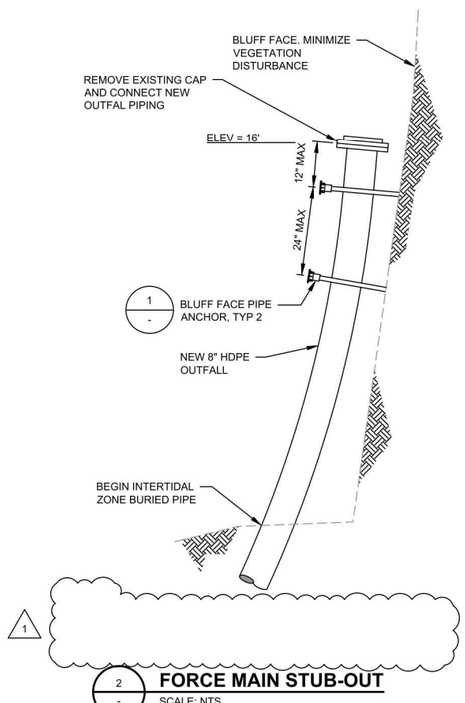
ENLARGED OUTFALL PIPING PLAN

SCALE: 1"=5'



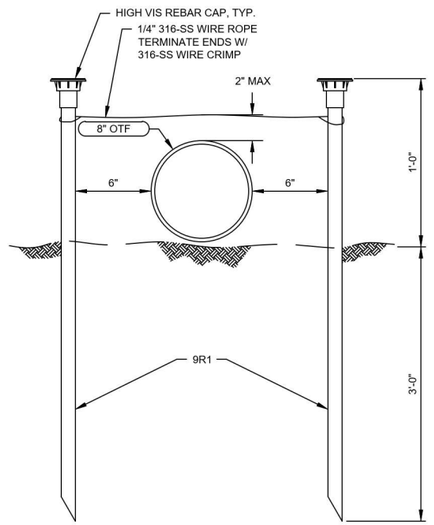
OUTFALL PROFILE

SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=10'



FORCE MAIN STUB-OUT

2 / - SCALE: NTS



NOTES FOR BLUFF FACE PIPE ANCHORS:

1. DRIVE REBAR STAKES TO A DEPTH OF 3' OR PRACTICAL REFUSAL.
2. MINIMIZE DISTURBANCE TO BLUFF FACE VEGETATION. PRESERVE ROOT ZONE AND 6" ABOVE.

BLUFF FACE PIPE ANCHORS

1 / - SCALE: NTS

NOTE:

1. CONTOURS ALONG THE BLUFF FROM THE ORDINARY HIGH WATER MARK TO ELEVATION 68 ARE BASED ON THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCE'S LIDAR PORTAL FOR THE FLIGHT SPECIFICALLY CALLED "PIERCE 2020 (COORDINATE SYSTEM : NAD 83 HARN STATE PLANE SOUTH, VERTICAL COORDINATE SYSTEM: NAVD88 HEIGHT) AND ARE CONSIDERED APPROXIMATE.
2. CONTRACTOR SHALL MAINTAIN A 6' MAXIMUM VEGETATION CLEARING LIMIT CENTERED ON THE (8" OTF) AND SHALL NOT REMOVE ROOT MASS OF CUT VEGETATION AND MINIMIZE DISTURBANCES TO THE GREATEST EXTENT POSSIBLE.
3. INSTALL BLUFF FACE PIPE ANCHORS ON (8" OTF) AT 15 LF OF PIPE MAX SPACING. SEE DETAIL 1. SEE ALSO NOTE 2.
4. THE CONTRACTOR SHALL PROTECT THE GABION WALL THROUGHOUT THE EXTENT OF CONSTRUCTION.

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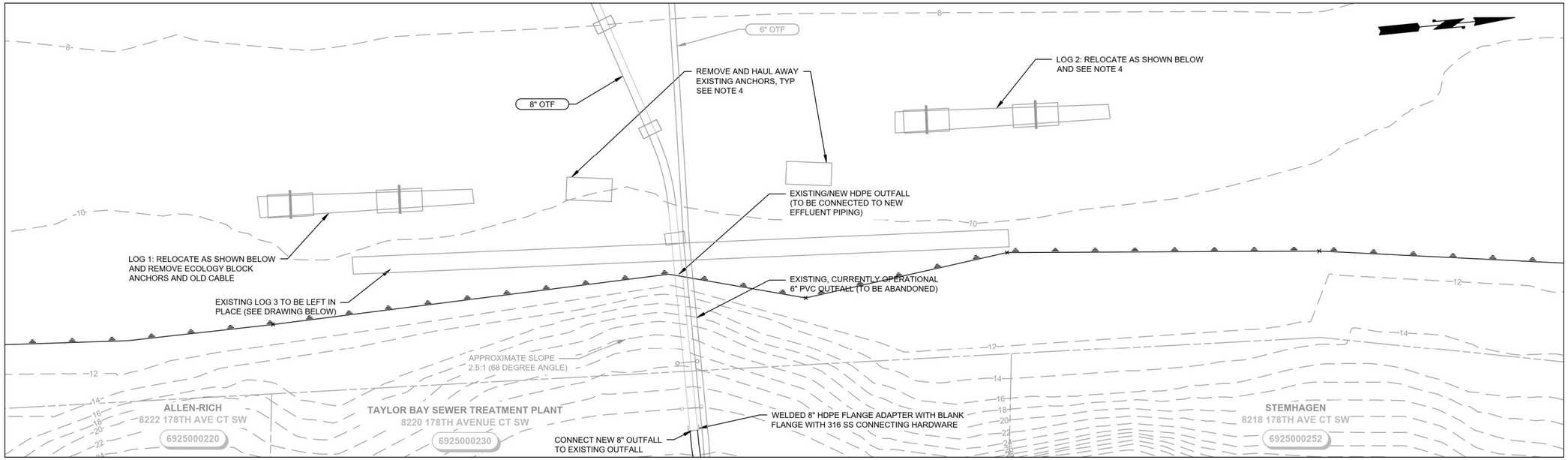
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GENERAL

OUTFALL PLAN, PROFILE, AND DETAILS

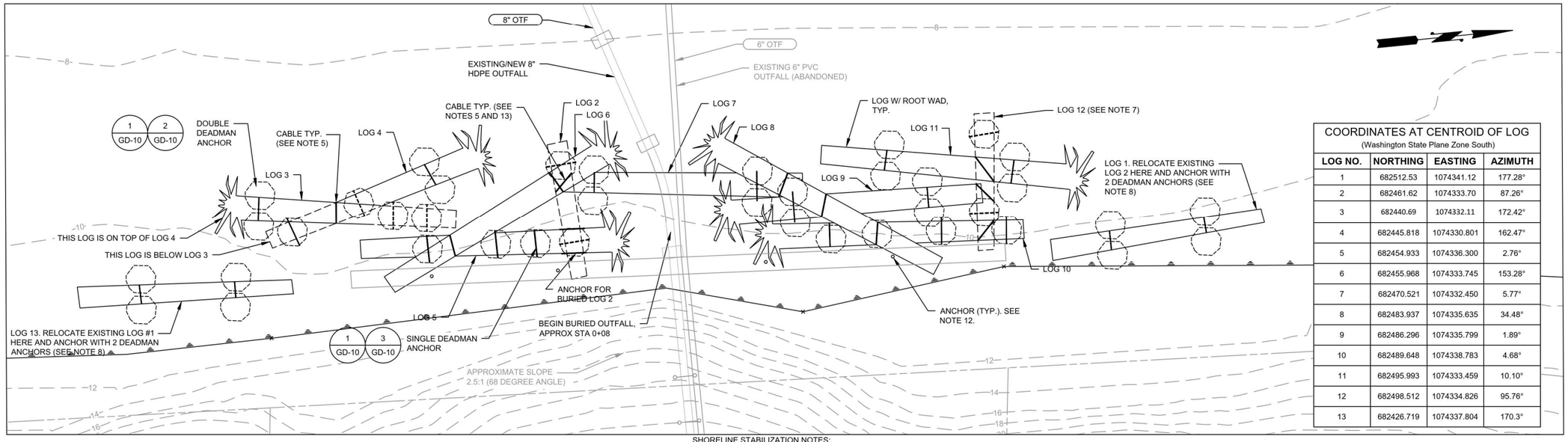
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EXISTING SHORELINE/OUTFALL PROTECTION PLAN ANCHORED WOOD DEBRIS

SCALE: 1" = 5'



COORDINATES AT CENTROID OF LOG (Washington State Plane Zone South)			
LOG NO.	NORTHING	EASTING	AZIMUTH
1	682512.53	1074341.12	177.28°
2	682461.62	1074333.70	87.26°
3	682440.69	1074332.11	172.42°
4	682445.818	1074330.801	162.47°
5	682454.933	1074336.300	2.76°
6	682455.968	1074333.745	153.28°
7	682470.521	1074332.450	5.77°
8	682483.937	1074335.635	34.48°
9	682486.296	1074335.799	1.89°
10	682489.648	1074338.783	4.68°
11	682495.993	1074333.459	10.10°
12	682498.512	1074334.826	95.76°
13	682426.719	1074337.804	170.3°

ADDITIVE BID ITEM 1
PROPOSED SHORELINE/OUTFALL PROTECTION PLAN ANCHORED WOOD DEBRIS

SCALE: 1" = 5'

WOODY DEBRIS/ ANCHORS LEGEND			
	LOG	BOULDER	CABLE
ABOVE GROUND	———		———
BELOW GROUND	- - - - - -	◌	— — —
BOULDER COUNT (TYPE 3)			
DOUBLE ROCK ANCHORS (12)		24	
SINGLE ROCK ANCHORS (13)		15	

LARGE WOODY DEBRIS SCHEDULE					
LOG TYPE	SPECIES	COUNT	DIAMETER (DBH,IN)	LENGTH (FT)	DELIVERED OR REUSED
LOG WITH ROOT WAD	DOUGLAS FIR	8	15-18	22	DELIVERED
LOG WITHOUT ROOT WAD	DOUGLAS FIR	1	18	12	DELIVERED
LOG WITHOUT ROOT WAD	DOUGLAS FIR	3	SEE PLANS	SEE PLANS	RE-USED
LOG WITHOUT ROOT WAD	DOUGLAS FIR	1	18	20	DELIVERED
	TOTAL	13			

SHORELINE STABILIZATION NOTES:

1. CONTRACTOR TO FIELD VERIFY EXISTING OUTFALL DEPTH, MATERIAL, AND CONDITION AT PROPOSED AREA OF PARALLEL PIPE INSTALLATION PRIOR TO BEGINNING CONSTRUCTION OF NEW OUTFALL.
2. CONTRACTOR SHALL BE PREPARED TO REPAIR THE EXISTING 50+ YEAR OLD OUTFALL PIPE IF DAMAGED AND PREVENT ANY SPILL OF WASTEWATER EFFLUENT INTO THE ENVIRONMENT.
3. IN THE INTERTIDAL ZONE, MINIMIZE DISTURBANCE TO NATURALLY OCCURRING WOODY DEBRIS (EXCEPT FOR THE TWO EXISTING LOGS WITH ANCHORS THAT WERE INSTALLED). REPLACE ANY RELOCATED WOOD DEBRIS TO ORIGINAL LOCATION UPON PROJECT COMPLETION, UNDER DIRECTION OF ENGINEER.
4. BELOW GRADE CONDITIONS WHERE LOGS AND/OR ANCHORS ARE BURIED ARE UNKNOWN. CONTRACTOR TO FIELD VERIFY AS REQUIRED.
5. BOTH LOGS SHALL BE NOTCHED IN ORDER TO FIT TWO STEEL CABLES (EACH 3/8" WIDE). CABLE SHALL BE WRAPPED AROUND BOTH LOGS SNUGLY. CONNECTOR SHALL BE USED TO COMPLETE CABLE LOOP. SEE DETAILS ON SHEET #.
6. EACH LOG SHALL BE DOUGLAS FIR, AND SHALL BE 2' DBH (I.E. MEASURED 4' FROM THE ROOT COLLAR). LOG LENGTHS ARE SPECIFIED IN TABLE ON THIS SHEET. LOG LENGTHS ARE MEASURED FROM ROOT COLLAR TO END OF LOG.
7. BURIED LOGS SHALL BE AT LEAST 12 FEET LONG AND PLACED PERPENDICULAR TO THE TOE OF THE BLUFF. BURIED LOGS SHALL HAVE GREATER THAN 1 FT OF NATIVE SEDIMENT/GRAVEL ABOVE THEM.
8. REMOVE EXISTING ANCHORS. ASSESS CONDITION OF BOULDERS AND REUSE UNDER THE DIRECTION OF ENGINEER. OTHERWISE, HAUL AWAY.
9. CONTRACTOR TO INSTALL AND MAINTAIN SEDIMENT CURTAIN AT ALL TIMES WHEN EARTH DISTURBING ACTIVITIES ARE OCCURRING IN WATER OR NEAR THE WATERS EDGE.
10. BURIED MATERIALS (I.E, ANCHORS OR LOGS) SHALL NOT BE PLACED WITHIN 5' OF THE PROPOSED OUTFALL.
11. LOGS SHALL BE PLACED IN ORIENTATIONS AS SHOWN ON PLANS. APPROXIMATELY 5 LOGS SHALL BE PLACED APPROXIMATELY PARALLEL TO THE TOE OF BLUFF, AND 6 LOGS SHALL BE PLACED AT VARYING ANGLES OBLIQUE TO THE TO TOE OF BLUFF. LOG INSTALLATION SHALL BE COMPLETED UNDER DIRECTION OF ENGINEER OR GEOMORPHOLOGIST.
12. SECURE EXISTING LOG WITH REBAR. CONTRACTOR SHALL DRILL HOLE IN LOG AND INSTALL 1 IN-DIAMETER MARINE-GRADE STAINLESS STEEL REBAR AND DRIVE INTO UNDERLYING BEACH SEDIMENT APPROXIMATELY 4 FT OR UNTIL REFUSAL BY COMPACT UNDERLYING DEPOSITS. CONTRACTOR SHALL CUT REBAR FLUSH WITH TOP OF LOG AND WELD STAINLESS STEEL PLATE TO PREVENT LOG FROM LOOSENING AROUND REBAR.
13. CABLE SHALL BE WRAPPED SNUGLY AROUND LOG 7 AND LOG 2 (BURIED LOG).
14. STACKED LOGS (LOGS 6 AND 8) ARE 1.25 FEET IN DIAMETER. ALL OTHER LOGS ARE 1.5 FEET IN DIAMETER

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ADAM J. MILLER — STATE OF WASHINGTON — 38803 — REGISTERED PROFESSIONAL ENGINEER

PETER SMILEY BURGOON — STATE OF WASHINGTON — 36588 — REGISTERED PROFESSIONAL ENGINEER

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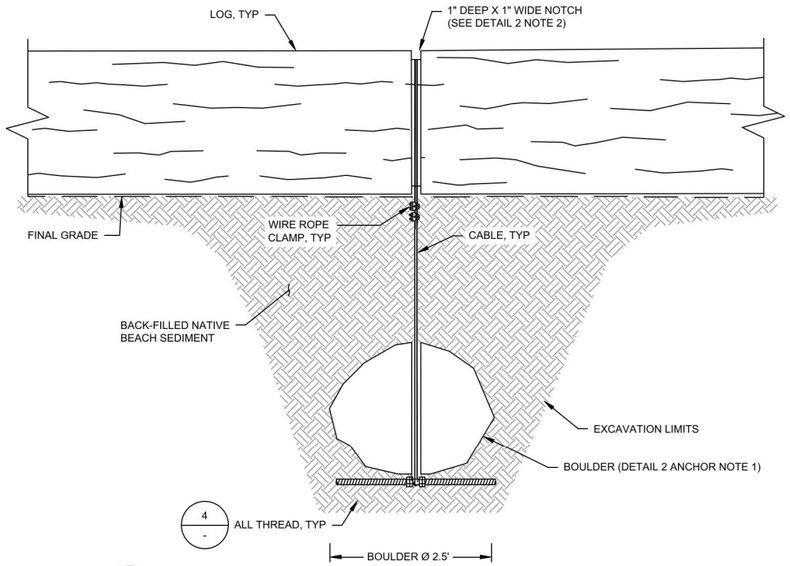
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IF NOT, SCALE ACCORDINGLY

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SHORELINE OUTFALL PROTECTION PLANS

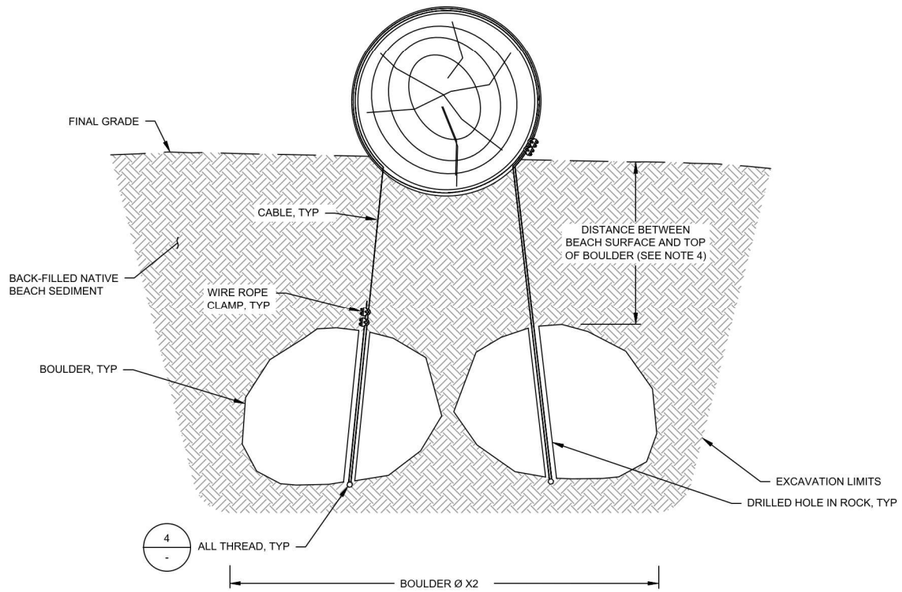
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1 G-18 **DEADMAN ANCHOR DETAIL (CROSS SECTION SIDE VIEW)**

SCALE: NTS

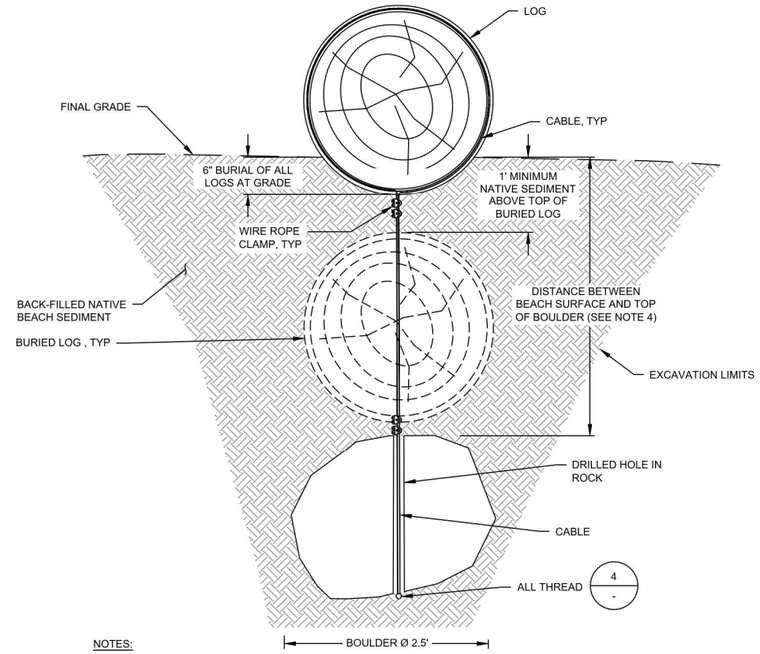


2 G-18 **DEADMAN ANCHOR - DOUBLE BOULDER DETAIL (CROSS SECTION END VIEW)**

SCALE: NTS

ANCHOR NOTES:

1. SIZE OF BOULDERS USED IN DEADMAN ANCHORS SHALL BE TYPE 3 BOULDERS (WSDOT 9-03.11(5)).
2. CONNECT TO CABLE WRAPPED AROUND LOG PERIMETER IN 1"X1" NOTCH, BOTH SIDES. CONNECTING LINKS SHALL HAVE BREAKING STRENGTH EQUAL TO OR GREATER THAN THAT OF THE CABLE. LINK MUST BE APPROVED BY ENGINEER. CABLE SHALL BE WRAPPED TIGHTLY AROUND THE LOG. CABLE AROUND LOG SHALL BE SNUG.
3. THERE ARE 12 DOUBLE BOULDER ANCHORS, THE APPROXIMATE LENGTH OF CABLE FOR THE DOUBLE BOULDER ANCHOR IS ABOUT 30 FT. CONTRACTOR WILL INDEPENDENTLY DETERMINE CABLE LENGTH REQUIRED AND RECOMMEND PREFERRED LOCATIONS FOR WIRE ROPE CLAMPS.
4. BOULDERS SHALL BE SET BELOW BEACH SURFACE AT A DEPTH EQUIVALENT TO THE DIAMETER OF ONE TYPE 3 BOULDER (ABOUT 2.7FT).
5. BOULDERS SHALL BE BACKFILLED WITH NATIVE BEACH SEDIMENT.
6. DRILL HOLE PRIOR TO DELIVERY. DIAMETER OF DRILLED HOLE SHALL BE MINIMIZED, BUT SHALL PROVIDE ENOUGH SPACE FOR TWO STRANDS OF CABLE (APPROXIMATELY 1" DIAMETER).
7. PULL CABLE THROUGH BOULDER AND SECURE WITH ALL-THREAD STOPPER OR ENGINEER APPROVED EQUIVALENT.
8. SLACK IN CABLE SHALL BE AVOIDED BY PLACING WIRE ROPE CLAMPS SNUGLY AGAINST BOTH SIDES (TOP AND BOTTOM) OF BOULDER, AS WELL AS AGAINST THE BOTTOM OF THE LOG.

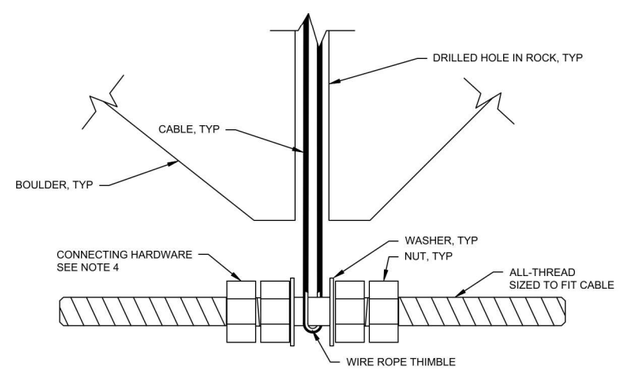


NOTES:

1. SIZE OF BOULDERS USED IN DEADMAN ANCHORS SHALL BE TYPE 3 BOULDERS (WSDOT 9-03.11(5)).
2. CONNECTIONS SHALL HAVE BREAKING STRENGTH EQUAL TO OR GREATER THAN THAT OF THE CABLE. LINK MUST BE APPROVED BY ENGINEER.
3. WRAP CABLE AROUND LOG IN 1" X 1" NOTCH. CABLE AROUND LOG SHALL BE SNUG.
4. BOULDER SHALL BE SET BELOW BEACH SURFACE AT A DEPTH EQUIVALENT TO THE DIAMETER OF ONE TYPE 3 BOULDER (ABOUT 2.7FT).
5. DRILL HOLE PRIOR TO DELIVERY. DIAMETER OF DRILLED HOLE SHALL BE MINIMIZED, BUT SHALL PROVIDE ENOUGH SPACE FOR TWO STRANDS OF CABLE (APPROXIMATELY 1" DIAMETER).
6. THERE ARE 13 SINGLE BOULDER ANCHORS, THE APPROXIMATE LENGTH OF CABLE FOR THE SINGLE BOULDER ANCHOR IS ABOUT 24 FT. CONTRACTOR WILL INDEPENDENTLY DETERMINE CABLE LENGTH REQUIRED AND RECOMMEND PREFERRED LOCATIONS FOR WIRE ROPE CLAMPS.
7. PULL CABLE THROUGH BOULDER AND SECURE WITH ALL-THREAD STOPPER OR ENGINEER APPROVED EQUIVALENT.

3 G-18 **DEADMAN ANCHOR DETAIL - SINGLE BOULDER DETAIL (CROSS SECTION END VIEW)**

SCALE: NTS



4 - **CONNECTION DETAIL**

SCALE: NTS

CONNECTION NOTES:

1. CABLE SHALL BE 3/8" STAINLESS STEEL WIRE ROPE (HIGHLY CORROSION RESISTANT TYPE 316, 7X7 STRAND CORE).
2. THREADED ROD SHALL BE 3/4" MARINE-GRADE (GRADE B8M, TYPE 316) STAINLESS STEEL, MEETING OR EXCEEDING ASTM A193.
3. 3/4" NUTS AND 3/4" WASHERS SHALL BE MARINE-GRADE (GRADE 8M, TYPE 316) STAINLESS STEEL, MEETING OR EXCEEDING ASTM A194.
4. CONNECTION MATERIAL INCLUDING ROD, NUT & WASHERS SHALL BE SIZED TO SECURELY CONNECT TO CABLE & PREVENT CABLE FROM SLIPPING THROUGH BOULDER DEADMAN ANCHOR.CONNECTION MATERIAL SHALL HAVE BREAKING STRENGTH EQUAL TO OR GREATER THAN THAT OF THE CABLE.

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8220 178TH AVENUE COURT SW,
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No.	DATE	REVISION

ISSUED FOR:

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ISSUE DATE:	SEPTEMBER 2026
APPROVED BY:	EFN
CHECKED BY:	EFN
DRAWN BY:	CRR
DESIGNER:	JESP
G & O JOB NO.:	22848.01
FILE:	GEN_DET_2.DWG

0 1" 2"
TWO INCHES AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

GENERAL

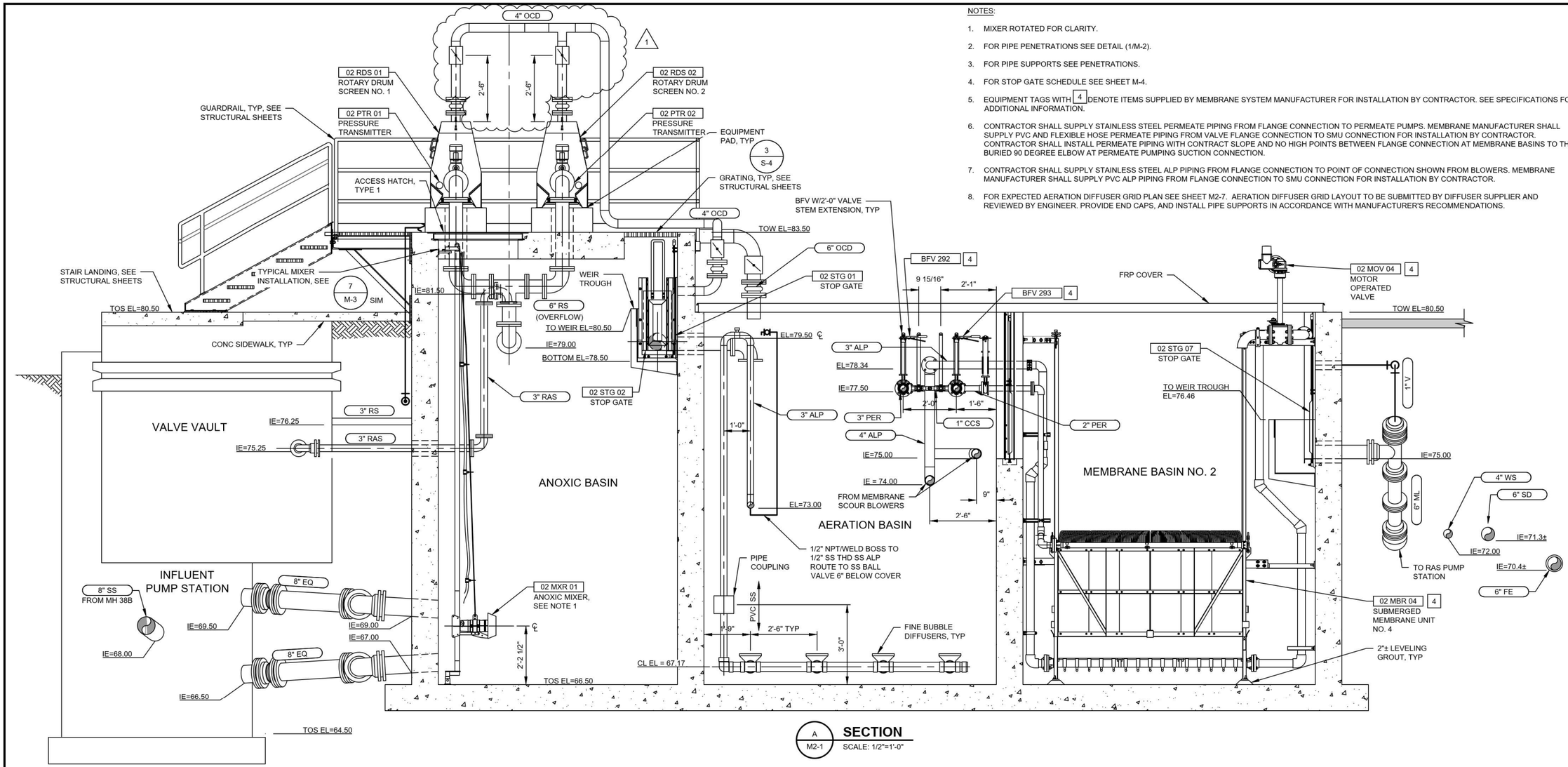
SHORELINE OUTFALL PROTECTION DETAILS

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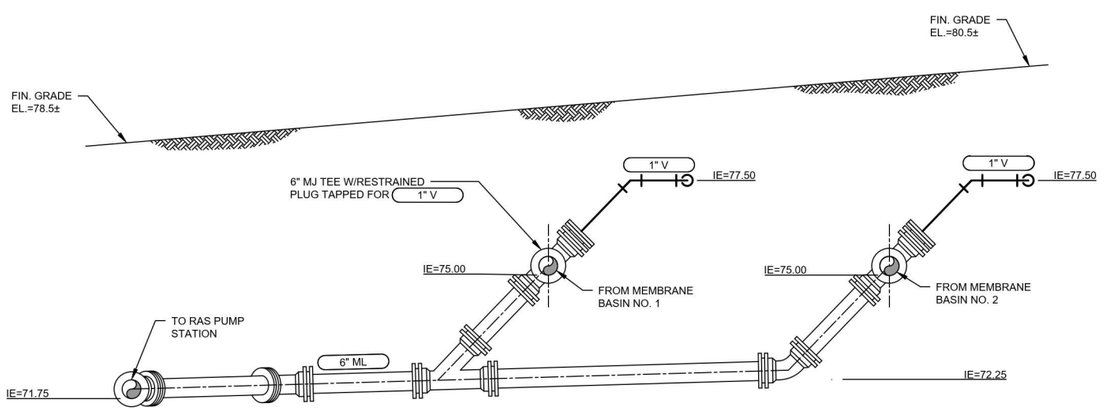
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NOTES:

1. MIXER ROTATED FOR CLARITY.
2. FOR PIPE PENETRATIONS SEE DETAIL (1/M-2).
3. FOR PIPE SUPPORTS SEE PENETRATIONS.
4. FOR STOP GATE SCHEDULE SEE SHEET M-4.
5. EQUIPMENT TAGS WITH [4] DENOTE ITEMS SUPPLIED BY MEMBRANE SYSTEM MANUFACTURER FOR INSTALLATION BY CONTRACTOR. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
6. CONTRACTOR SHALL SUPPLY STAINLESS STEEL PERMEATE PIPING FROM FLANGE CONNECTION TO PERMEATE PUMPS. MEMBRANE MANUFACTURER SHALL SUPPLY PVC AND FLEXIBLE HOSE PERMEATE PIPING FROM VALVE FLANGE CONNECTION TO SMU CONNECTION FOR INSTALLATION BY CONTRACTOR. CONTRACTOR SHALL INSTALL PERMEATE PIPING WITH CONTRACT SLOPE AND NO HIGH POINTS BETWEEN FLANGE CONNECTION AT MEMBRANE BASINS TO THE BURIED 90 DEGREE ELBOW AT PERMEATE PUMPING SUCTION CONNECTION.
7. CONTRACTOR SHALL SUPPLY STAINLESS STEEL ALP PIPING FROM FLANGE CONNECTION TO POINT OF CONNECTION SHOWN FROM BLOWERS. MEMBRANE MANUFACTURER SHALL SUPPLY PVC ALP PIPING FROM FLANGE CONNECTION TO SMU CONNECTION FOR INSTALLATION BY CONTRACTOR.
8. FOR EXPECTED AERATION DIFFUSER GRID PLAN SEE SHEET M2-7. AERATION DIFFUSER GRID LAYOUT TO BE SUBMITTED BY DIFFUSER SUPPLIER AND REVIEWED BY ENGINEER. PROVIDE END CAPS, AND INSTALL PIPE SUPPORTS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.



A M2-1 **SECTION**
SCALE: 1/2"=1'-0"



B M2-1 **SECTION**
SCALE: 1/2"=1'-0"

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WASTEWATER TREATMENT FACILITY UPGRADE

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No.	DATE	REVISION
1	10/2026	ADDENDUM NO. 2

ISSUED FOR:

BID SET

ISSUE DATE:	SEPTEMBER 2026
APPROVED BY:	EFN
CHECKED BY:	EFN
DRAWN BY:	CRR
DESIGNER:	JESP
G & O JOB NO.:	22848.01
FILE:	M2_PTANK.DWG

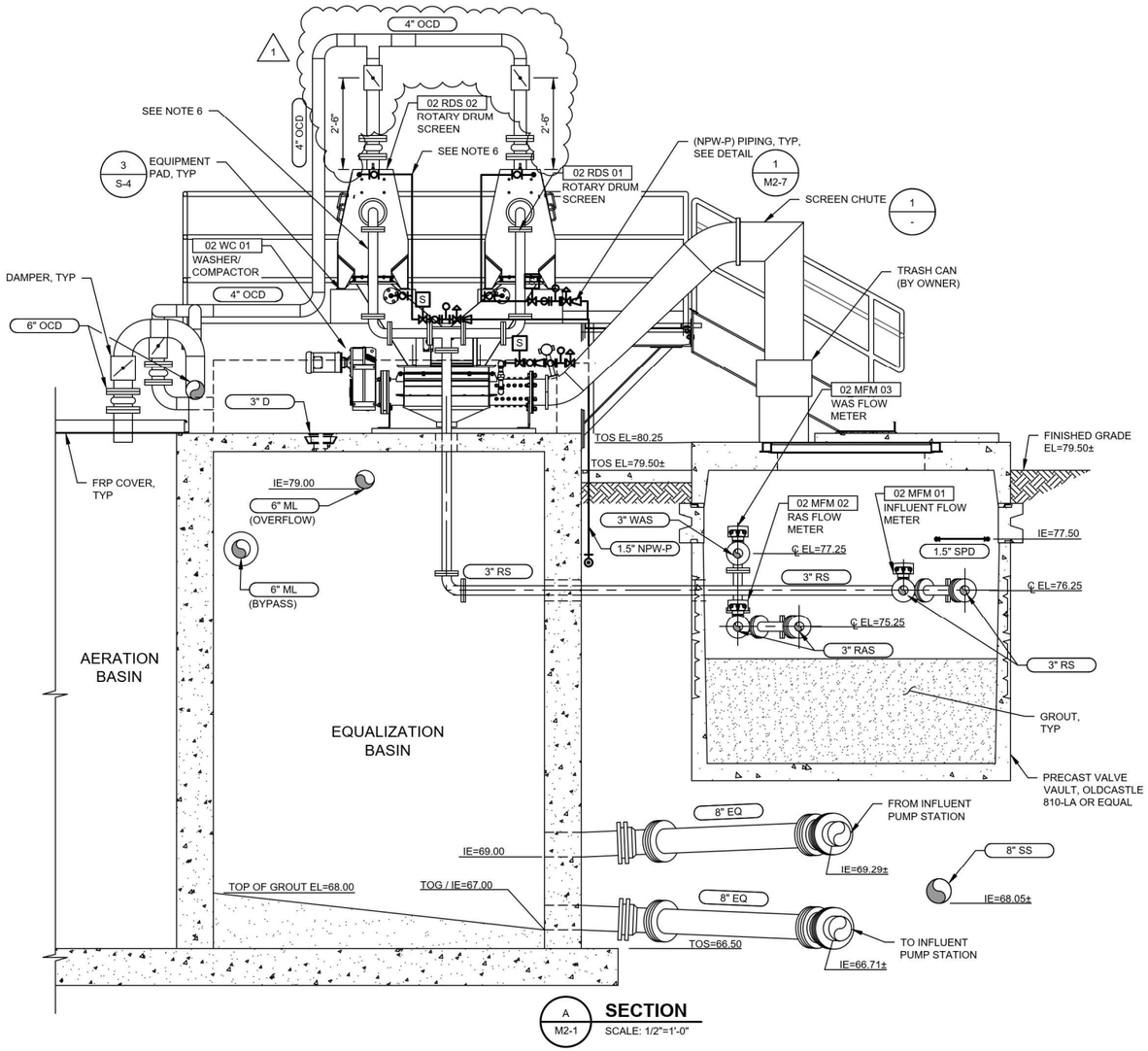
0 1" 2"
TWO INCHES AT FULL SCALE. IF NOT, SCALE ACCORDINGLY

MECHANICAL

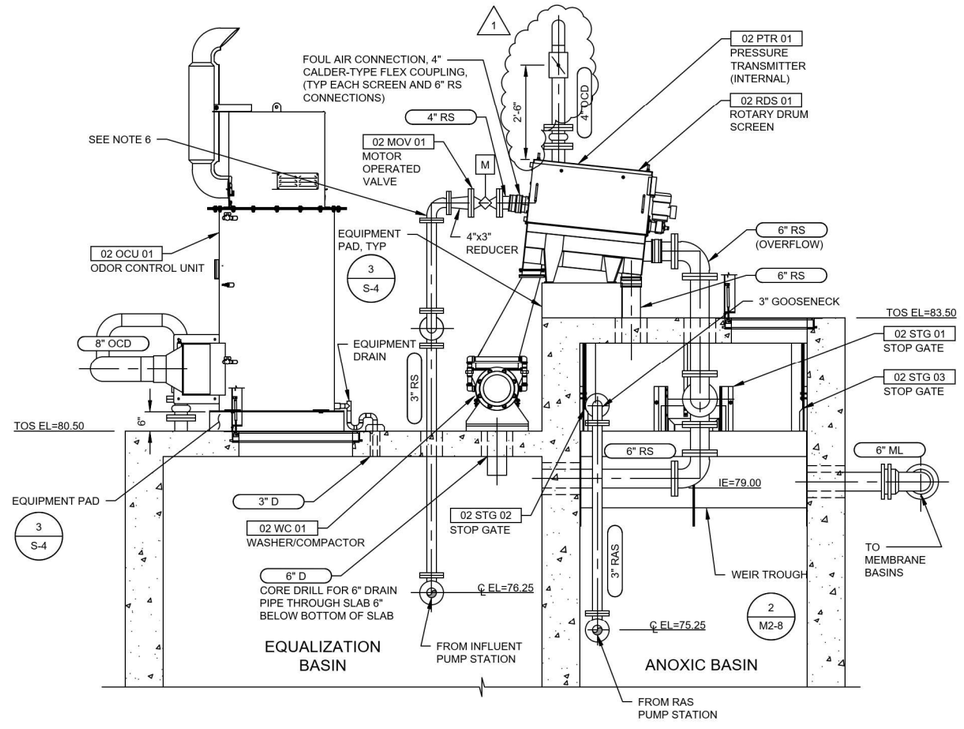
PROCESS TANKS AND HEADWORKS SECTIONS

DRAWING: **M2-3** OF: **11**

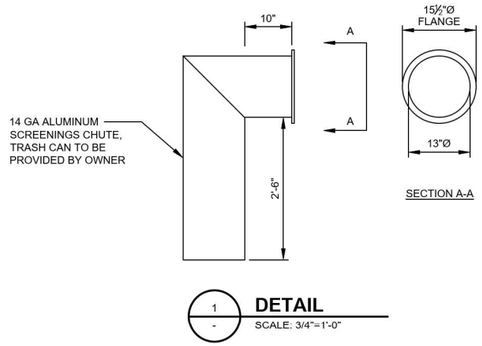
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A M2-1 **SECTION**
SCALE: 1/2"=1'-0"



B M2-2 **SECTION**
SCALE: 1/2"=1'-0"



1 - **DETAIL**
SCALE: 3/4"=1'-0"

NOTES:

1. HEAT TRACE AND INSULATE ALL ABOVE GRADE NPW PIPING, WASHER COMPACTOR DISCHARGE TRANSPORT TUBE AND SCREENING DISCHARGE CHUTE AS SPECIFIED IN SPECIFICATION SECTION 11330.
2. SEE STRUCTURAL SHEETS FOR GUARDRAIL.
3. FOR PIPE SUPPORTS SEE SPECIFICATIONS.
4. FOR PIPE PENETRATIONS SEE DETAIL (1/M-2).
5. NPW PIPING SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR SHALL INSTALL IN FIELD AS SPECIFIED. SEE SECTION 11330 FOR ADDITIONAL PIPING REQUIREMENTS FOR ROTARY DRUM SCREENS.
6. HEAT TRACE AND INSULATE ALL ABOVE GRADE NPW AND RS PIPING.

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0 1" 2"
TWO INCHES AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

MECHANICAL

PUMP STATION AND HEADWORKS SECTIONS

DRAWING: **M2-5** OF: **11**

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